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Also admitted in Massachusetts and New York

August 2, 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**
220 Winthrop Road, Deep River, 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 May of 2014 (TS-VER-036-140512). A copy of the Council's tower share approval is included in Attachment 1.

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

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Deep River's Chief Elected Official and Land Use Officer. The Town of Deep River is the owner of the property.

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

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

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

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

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

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

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

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Angus McDonald, Jr., First Selectman
John Guszkowski, Co Zoning Enforcement Officer
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

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

May 30, 2014

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

RE: **TS-VER-036-140512–** Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 220 Winthrop Road, Deep River, Connecticut.

Dear Attorney Baldwin:

At a public meeting held May 29, 2014, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the following conditions:

- The proposed coax and remote radio heads shall be installed in accordance with the recommendations made in the Structural Analysis Report prepared by FDH Engineering dated November 4, 2013 and stamped by Bradley Newman;
- Not more than 45 days following completion of the antenna installation, Cellco shall provide documentation certifying that its installation complied with the engineer's recommendation;
- Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
- Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65;
- Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

This decision is under the exclusive jurisdiction of the Council and applies only to this request for tower sharing dated May 9, 2014. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower. Any deviation from the approved tower sharing request is enforceable under the provisions of Connecticut General Statutes § 16-50u.

CSC
CONNECTICUT SITING COUNCIL

The proposed shared use is to be implemented as specified in your letter dated May 9, 2014, including the placement of all necessary equipment and shelters within the tower compound.

Please be advised that the validity of this action shall expire one year from the date of this letter.

Thank you for your attention and cooperation.

Very truly yours,

Robert Stein MAB

Robert Stein
Chairman

RS/MP/jb

c: The Honorable Richard H. Smith, First Selectman, Town of Deep River
Cathie Jefferson, Zoning Enforcement Officer, Town of Deep River
Sean Gormley, SBA

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

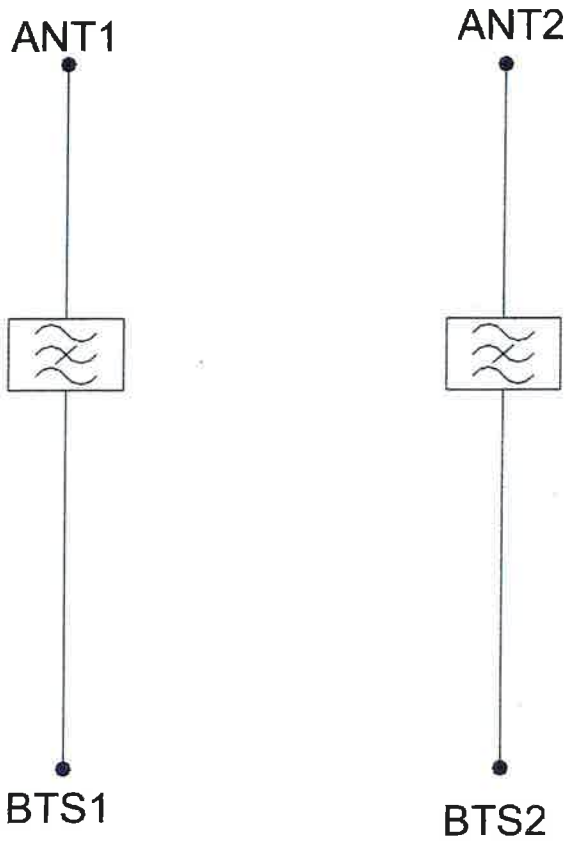
ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20°C to +60°C | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection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

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

ORDERING INFORMATION

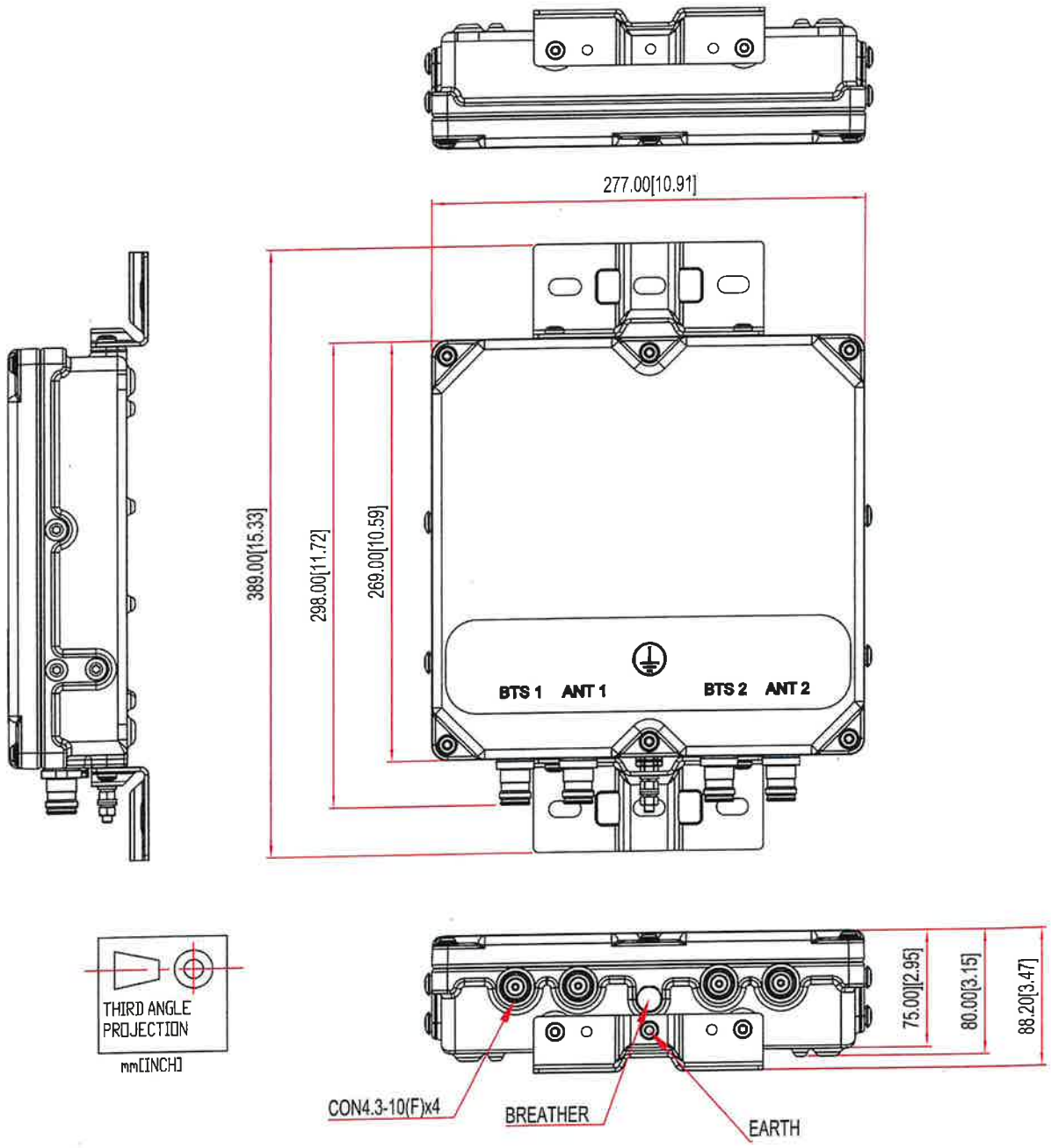
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 39071200 | www.kaelus.com

ATTACHMENT 3

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

Structural Analysis Report

Existing 180 ft Valmont Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT46130-A

Customer Site Name: Deep River-winthrop Rd

Carrier Name: Verizon (App#: 232290, V3)

Carrier Site ID / Name: 5000247497 / DEEP RIVER WEST CT

Site Location: 220 Winthrop Rd

Deep River, Connecticut

Middlesex County

Latitude: 41.365872

Longitude: -72.474849

Analysis Result:

Max Structural Usage: 99.8% [Pass]

Max Foundation Usage: 88.0% [Pass]

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

Report Prepared By : Jerin Tasnim

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

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Max Foundation Usage: 88.0% [Pass]

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

Report Prepared By : Jerin Tasnim

Introduction

The purpose of this report is to summarize the analysis results on the 180 ft Valmont 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	Original structural design report & permit drawings prepared by Valmont. Dated 10-27-2000. Order No 17593-98. CT750 Deep River Site. Project No F082. Previous structural report prepared by FDH Engineering, Inc. Dated 11-04-2013. Project No 13SFRX1400.
Foundation Drawing	Original foundation drawings prepared by Valmont Industries, Inc. Dated 08-11-1998. Project No 2633. Order No 17593-98. Drawing No 2633-F.
Geotechnical Report	Geotechnical report prepared by TECTONIC Engineering Consultants, P.C. Dated 07-13-1998. Work Order No 1170.C750.
Modification Drawings	N/A
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:	123.0 mph (3-Sec. Gust) (Ultimate wind speed)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Service Load Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-H / 2021 IBC / 2022 Connecticut State Building Code
Exposure Category:	C
Risk Category:	II
Topographic Category:	1
Crest Height:	0 ft
Seismic Parameters:	S_S = 0.21, 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
-	178.0	6	JMA MX06FRO660-03 - Panel	Platform w/ Handrails w/ (3) JMA 91900314	(2) 1 5/8" Hybrid	Verizon
-		3	Samsung VZS01 - Panel			
-		3	Samsung B5/B13 RRH BR04C			
-		3	Samsung B2/B66A RRH BR049			
-		1	Raycap RRFDS-6627-PF48			
6	166.0	3	RFS APXVTM14-C-I20 - Panel	Platform w/Handrails + Sitepro PRK-1245L + handrail kit + Sitepro PRK-SFS-H-L]	(4) 1-1/4" Hybrid	Sprint Nextel
7		3	Commscope NNVV-65B-R4 - Panel			
8		3	ALU 1900 Mhz			
9		6	ALU 800 Mhz			
10		3	ALU TD-RRH8x20-25			
11	160.0	3	EMS - RR90-17-02VDPL2/-R - Panel	(3) T-Arms w/ Reinforcements	(12) 1 5/8" Coax (1) 1 5/8" Fiber	T-Mobile
12		3	RFS - APXVAARR24_43-U-NA20 - Panel			
13		3	Ericsson - KRY 112 489/2 - TMA			
14		3	Ericsson - KRY 112 144/2 - TMA			
15		3	Ericsson - Radio 4449 B71+B12 - RRU			
16	150.0	3	Powerwave 7770	Low Profile Platform w/ Handrail kit HRK-12	(12) 1 1/4" (2) 1" DC (1) 0.39" Fiber	AT&T
17		1	Commscope SBNHH-1D65A			
18		2	Cci HPA-65R-BUU-H6			
19		1	Cci DMP65R-BU4DA			
20		2	Cci DMP65R-BU6DA			
21		6	Powerwave LGP21401			
22		3	Ericsson RRUS 8843 B2 B66A			
23		3	Ericsson RRUS 4449 B5/B12			
24		1	Raycap DC-6-48-60-18-8F			
25	140.0	3	JMA Wireless MX08FRO665-21 - Panel	platform w/HRK Sitepro1 SNP8HR-3XX	(1) 1.75" Hybrid	Dish Wireless
26		3	Fujitsu TA08025-B605 RRU			
27		3	Fujitsu TA08025-B604 RRU			
28		1	Raycap RDIDC-9181-PF-48 OVP			

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

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

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	178.0	6	JMA Wireless MX06FRO660-03 - Panel	Platform w/ Handrails w/ (3) JMA 91900314	(2) 1 5/8" Hybrid	Verizon
2		3	Samsung VZS01 - Panel			
3		3	Samsung B5/B13 RRH BR04C - RRU			
4		3	Samsung B2/B66A RRH BR049 - RRU			
5		1	Raycap RRFDS-6627-PF48 -OVP			
6		2	Kaelus BSF0020F3V1-1 - Filter			

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

Analysis Results

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

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	**99.8%**	**87.0%**	**65.7%**
Pass/Fail	**Pass**	**Pass**	**Pass**

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions	6336.9	50.8	64.9

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

Service Load Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by TIA-222 for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 1.9282 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

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

Standard Conditions

1. This analysis was performed based on the information supplied to **(TES) Tower Engineering Solutions, LLC.** Verification of the information provided was not included in the Scope of Work for **TES**. The accuracy of the analysis is dependent on the accuracy of the information provided.

2. The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

3. The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of **TES**. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, **TES** should be notified in writing and the applicable minimum values provided by the client.

4. The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. **TES** has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, **TES** should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

5. The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

6. If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

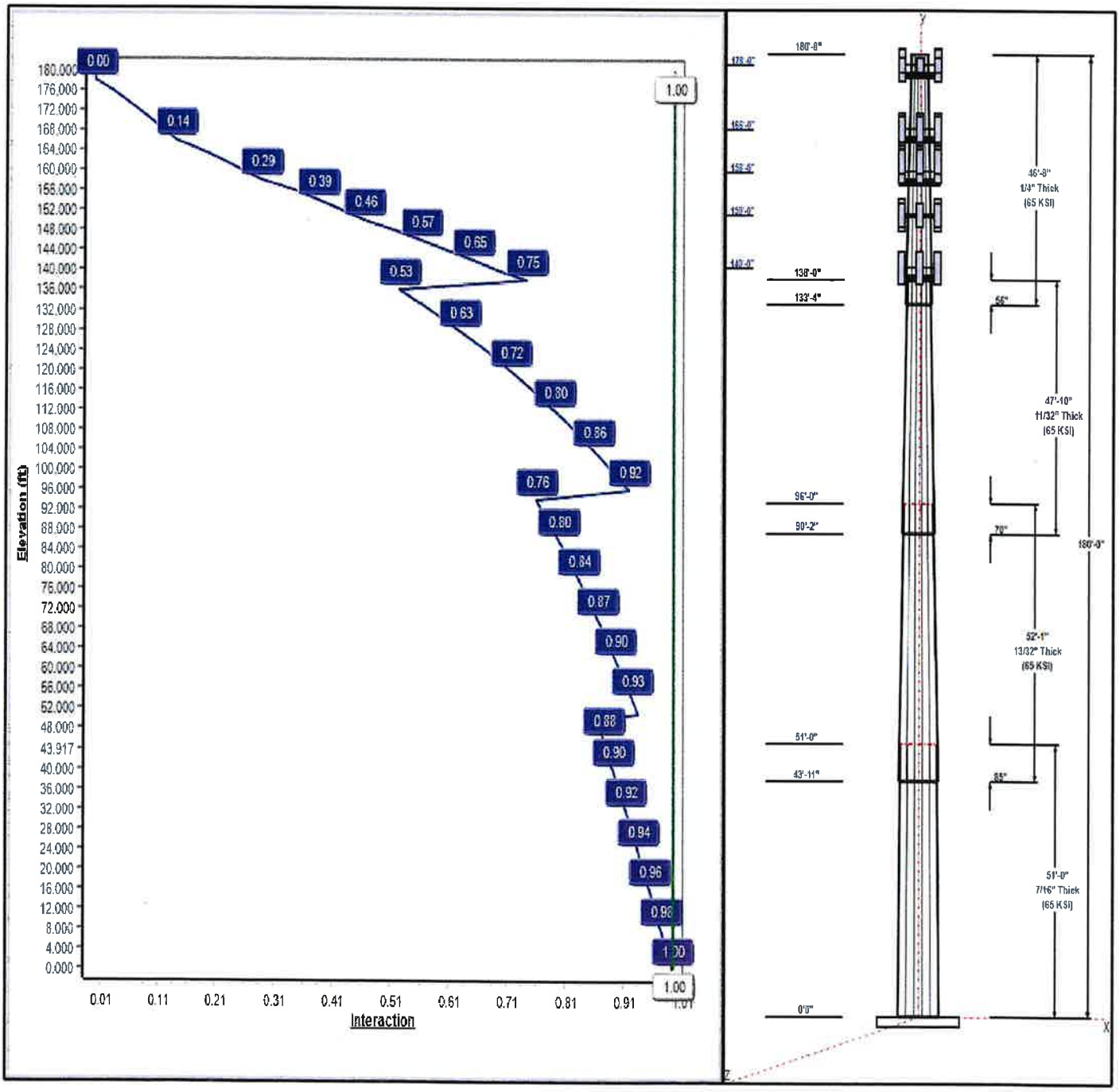
Usage Diagram - Max Ratio 99.85% at 0.0ft

Structure:	CT46130-A-SBA	**Code:**	EIA/TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Gh:**	1.1		
Base Elev:	0.000 (ft)			Page: 1	

Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	29
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 123 mph Wind



Structure: CT46130-A-SBA

Type: Tapered
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 12 Sided
Taper: 0.24800

7/11/2023

Tower Engineering Solutions

Shaft Properties

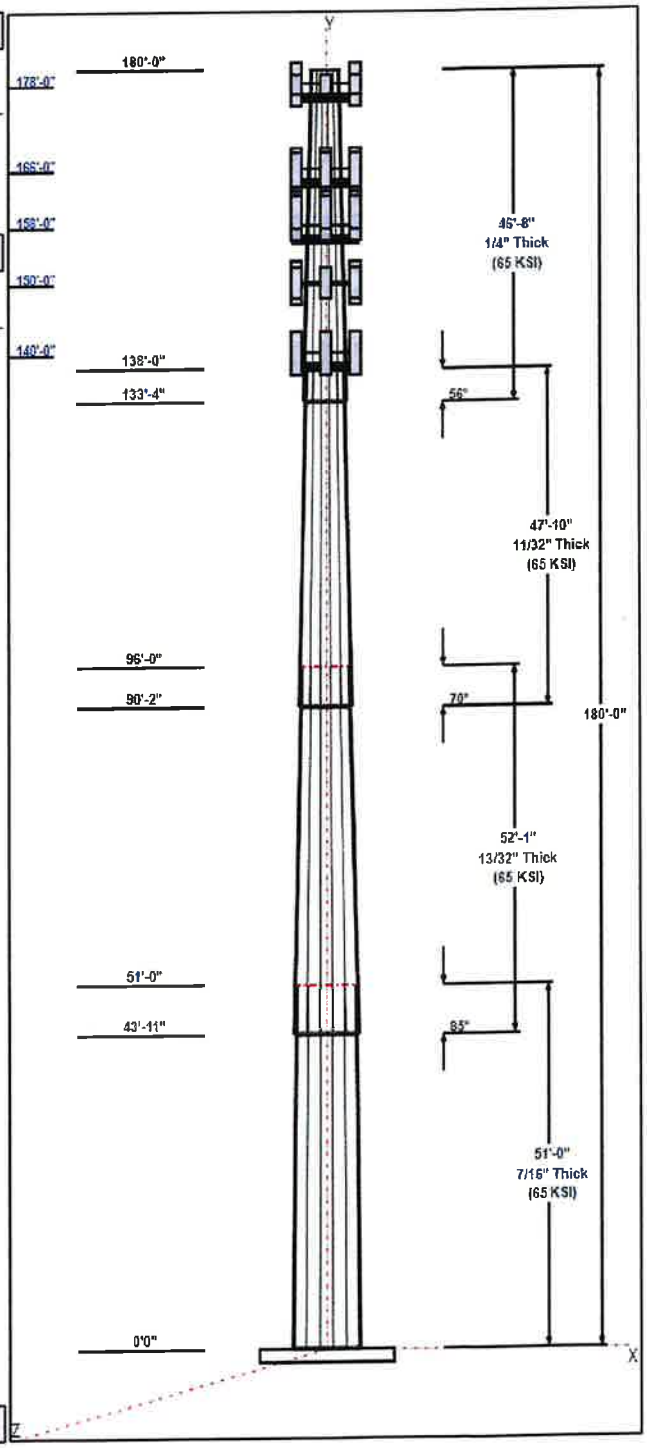
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	51.00	49.35	62.00	0.438		0.24800	65
2	52.08	39.00	51.92	0.406	Slip	0.24800	65
3	47.83	29.28	41.14	0.344	Slip	0.24800	65
4	46.67	19.36	30.93	0.250	Slip	0.24800	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
178.00	178.00	6	JMA MX06FRO660-03	Verizon
178.00	178.00	3	Samsung B2/B66A RRH	Verizon
178.00	178.00	3	Samsung B5/B13 RRH	Verizon
178.00	178.00	1	Raycap	Verizon
178.00	178.00	1	Platform w/ Handrails w/	Verizon
178.00	178.00	3	VZS01	Verizon
178.00	178.00	2	BSF0020F3V1-1	Verizon
178.00	178.00	3	91900314	Verizon
166.00	166.00	1	Platform w/ Hand Rails	Sprint Nextel
166.00	166.00	1	Sitepro	Sprint Nextel
166.00	166.00	1	Sitepro	Sprint Nextel
166.00	166.00	3	RFS APXVTM14-C-I20	Sprint Nextel
166.00	166.00	3	Commscope	Sprint Nextel
166.00	166.00	3	ALU 1900 Mhz	Sprint Nextel
166.00	166.00	6	ALU 800 Mhz	Sprint Nextel
166.00	166.00	3	ALU TD-RRH8x20-25	Sprint Nextel
158.00	158.00	3	T-Arms	T-Mobile
158.00	160.00	3	RR90-17-00VDPL2/-R	T-Mobile
158.00	160.00	3	APXVAARR24_43-U-NA20	T-Mobile
158.00	160.00	3	KRY 112 489/2	T-Mobile
158.00	160.00	3	KRY 112 144/2	T-Mobile
158.00	160.00	3	4449 B71+B12	T-Mobile
158.00	158.00	3	T-Arm Kit	T-Mobile
158.00	158.00	1	V-Brace	T-Mobile
150.00	150.00	2	DMP65R-BU6DA	AT&T
150.00	150.00	3	Powerwave 7770	AT&T
150.00	150.00	1	DMP65R-BU4DA	AT&T
150.00	150.00	6	Powerwave LGP21401	AT&T
150.00	150.00	3	B2 B66A 8843	AT&T
150.00	150.00	1	Raycap DC6-48-60-18-8F	AT&T
150.00	150.00	1	Platform w/ Hand Rail	AT&T
150.00	150.00	2	Cci HPA-65R-BUU-H6	AT&T
150.00	150.00	1	SBNHH-1D65A	AT&T
150.00	150.00	3	4449 B5/B12	AT&T
140.00	140.00	3	JMA Wireless	Dish Wireless
140.00	140.00	1	Sitepro1 SNP8HR-3XX	Dish Wireless
140.00	140.00	3	Fujitsu TA08025-B605	Dish Wireless
140.00	140.00	3	Fujitsu TA08025-B604	Dish Wireless
140.00	140.00	1	Raycap	Dish Wireless

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	180.00	Inside	Safety Cable	
0.00	180.00	Inside	Step bolts (ladder)	
3.00	178.00	Inside	1 5/8" Hybrid	Verizon



3.00	166.00	Inside	1-1/4" Hybrid	Sprint Nextel
3.00	160.00	Inside	1 5/8" Coax	T-Mobile
3.00	160.00	Inside	1 5/8" Fiber	T-Mobile
3.00	150.00	Inside	0.39" Fiber	AT&T
3.00	150.00	Inside	1 1/4" Coax	AT&T
3.00	150.00	Inside	1" DC	AT&T
3.00	140.00	Outside	1.75" Hybrid	Dish Wireless

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	76.7	60.0	Polygon

Reactions

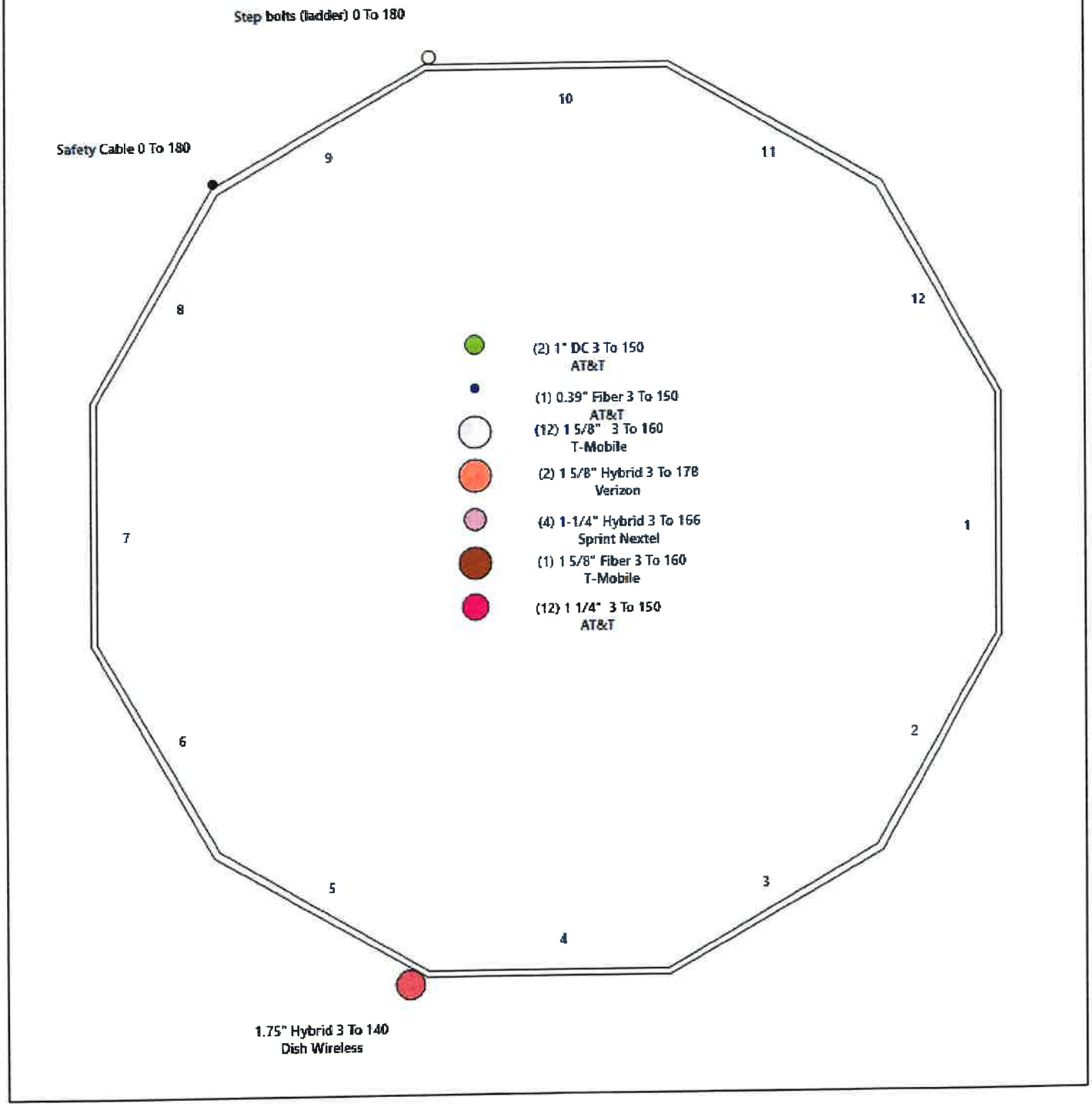
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 123 mph Wind	6336.9	50.8	64.9
0.9D + 1.0W 123 mph Wind	6241.0	50.7	48.6
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1432.0	11.1	87.1
1.2D + 1.0Ev + 1.0Eh	133.1	0.8	67.4
0.9D + 1.0Ev + 1.0Eh	131.1	0.8	51.1
1.0D + 1.0W 60 mph Wind	1339.3	10.8	54.1

Structure: CT46130-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)

7/11/2023

Tower Engineering Solutions



Shaft Properties

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 5	

Tower Engineering Solutions

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	12	51.000	0.4375	65		0.00	13,505
2	12	52.083	0.4063	65	Slip	85.00	10,446
3	12	47.833	0.3438	65	Slip	70.00	6,281
4	12	46.667	0.2500	65	Slip	56.00	3,183
					Total Shaft Weight:		**33,414**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	62.00	0.00	86.73	41953.54	35.83	141.71	49.35	51.00	68.91	21044.2	28.08	112.8	0.248000
2	51.92	43.92	67.39	22826.23	32.10	127.81	39.00	96.00	50.49	9601.48	23.58	96.01	0.248000
3	41.14	90.17	45.15	9591.86	29.92	119.68	29.28	138.00	32.02	3421.62	20.68	85.17	0.248000
4	30.93	133.3	24.70	2968.17	31.01	123.73	19.36	180.00	15.38	717.07	18.61	77.44	0.248000

Load Summary

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	178.00	JMA MX06FRO660-03	6	60.00	9.87	0.87	232.86	10.736	0.87	0.00	0.00
2	178.00	Samsung B2/B66A RRH BR049	3	84.40	1.88	0.50	168.63	2.475	0.50	0.00	0.00
3	178.00	Samsung B5/B13 RRH BR04C	3	70.30	2.22	0.50	109.57	2.640	0.50	0.00	0.00
4	178.00	Raycap RRFDS-6627-PF48	1	32.00	2.61	1.00	82.34	3.046	1.00	0.00	0.00
5	178.00	Platform w/ Handrails w/ 91900314	1	2202.20	40.00	1.00	3766.06	54.203	1.00	0.00	0.00
6	178.00	VZS01	3	87.10	4.30	0.69	157.26	4.889	0.69	0.00	0.00
7	178.00	BSF0020F3V1-1	2	17.60	0.96	0.90	36.56	1.238	0.90	0.00	0.00
8	178.00	91900314	3	25.35	0.00	1.00	37.35	0.000	1.00	0.00	0.00
9	166.00	Platform w/ Hand Rails	1	2000.00	40.00	1.00	3410.39	54.104	1.00	0.00	0.00
10	166.00	Sitepro	1	230.00	6.70	1.00	446.26	11.425	1.00	0.00	0.00
11	166.00	Sitepro	1	406.61	7.00	1.00	731.58	11.607	1.00	0.00	0.00
12	166.00	RFS APXVTM14-C-I20	3	56.20	6.34	0.77	157.19	7.074	0.77	0.00	0.00
13	166.00	Commscope NNVV-65B-R4	3	77.40	12.27	0.74	269.71	13.251	0.74	0.00	0.00
14	166.00	ALU 1900 Mhz	3	44.00	3.80	0.50	117.52	4.736	0.50	0.00	0.00
15	166.00	ALU 800 Mhz	6	53.00	2.49	0.50	102.81	3.260	0.50	0.00	0.00
16	166.00	ALU TD-RRH8x20-25	3	70.00	4.05	0.50	139.42	4.583	0.50	0.00	0.00
17	158.00	T-Arms	3	350.00	8.00	0.75	513.74	12.678	0.75	0.00	0.00
18	158.00	RR90-17-00VDPL2/-R	3	13.50	4.36	0.68	73.30	4.997	0.68	0.00	2.00
19	158.00	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	396.42	21.498	0.70	0.00	2.00
20	158.00	KRY 112 489/2	3	15.40	0.65	0.50	27.21	1.060	0.50	0.00	2.00
21	158.00	KRY 112 144/2	3	15.40	0.65	0.50	27.21	1.060	0.50	0.00	2.00
22	158.00	4449 B71+B12	3	70.00	1.65	0.50	111.95	1.997	0.50	0.00	2.00
23	158.00	T-Arm Kit	3	500.00	4.00	0.75	897.64	6.620	0.75	0.00	0.00
24	158.00	V-Brace	1	197.00	5.30	1.00	381.32	9.019	1.00	0.00	0.00
25	150.00	DMP65R-BU6DA	2	79.40	12.71	0.72	275.76	13.686	0.72	0.00	0.00
26	150.00	Powerwave 7770	3	35.00	5.51	0.73	118.38	6.195	0.73	0.00	0.00
27	150.00	DMP65R-BU4DA	1	79.40	12.71	0.72	275.76	13.686	0.72	0.00	0.00
28	150.00	Powerwave LGP21401 TMA's	6	14.10	1.22	0.50	30.77	1.747	0.50	0.00	0.00
29	150.00	B2 B66A 8843	3	70.00	1.64	0.50	100.66	1.984	0.50	0.00	0.00
30	150.00	Raycap DC6-48-60-18-8F	1	31.80	1.81	0.67	73.02	2.385	0.67	0.00	0.00
31	150.00	Platform w/ Hand Rail	1	1600.00	35.00	1.00	2999.90	55.361	1.00	0.00	0.00
32	150.00	Cci HPA-65R-BUU-H6	2	51.00	9.66	0.85	207.49	10.552	0.85	0.00	0.00
33	150.00	SBNHH-1D65A	1	33.50	5.88	0.83	132.07	6.584	0.83	0.00	0.00
34	150.00	4449 B5/B12	3	71.00	1.97	0.50	106.59	2.335	0.50	0.00	0.00
35	140.00	JMA Wireless MX08FRO665-21	3	64.50	12.49	0.74	257.08	13.460	0.74	0.00	0.00
36	140.00	Sitepro1 SNP8HR-3XX	1	1876.00	37.59	1.00	3089.90	68.863	1.00	0.00	0.00
37	140.00	Fujitsu TA08025-B605 RRU	3	75.00	1.96	0.50	109.63	2.331	0.50	0.00	0.00
38	140.00	Fujitsu TA08025-B604 RRU	3	63.90	1.96	0.50	97.42	2.331	0.50	0.00	0.00
39	140.00	Raycap RDIDC-9181-PF-48 OVP	1	21.90	2.01	1.00	57.15	2.386	1.00	0.00	0.00
		Totals:	**99**	**15,728.36**			**30,665.63**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	180.00	(1) Safety Cable	0.00	Inside
0.00	180.00	(1) Step bolts (ladder)	0.00	Inside

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
3.00	178.00	(2) 1 5/8" Hybrid			0.00	Inside					
3.00	166.00	(4) 1-1/4" Hybrid			0.00	Inside					
3.00	160.00	(12) 1 5/8" Coax			0.00	Inside					
3.00	160.00	(1) 1 5/8" Fiber			0.00	Inside					
3.00	150.00	(1) 0.39" Fiber			0.00	Inside					
3.00	150.00	(12) 1 1/4" Coax			0.00	Inside					
3.00	150.00	(2) 1" DC			0.00	Inside					
3.00	140.00	(1) 1.75" Hybrid			1.75	Outside					

Shaft Section Properties

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

TES Tower Engineering Solutions

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	62.000	86.726	41953.5	35.83	141.71	65.6	1307.	0.0
2.00		0.4375	61.504	86.027	40947.6	35.52	140.58	66.0	1286.	587.8
4.00		0.4375	61.008	85.329	39958.0	35.22	139.45	66.3	1265.	583.1
6.00		0.4375	60.512	84.630	38984.4	34.92	138.31	66.6	1244.	578.3
8.00		0.4375	60.016	83.931	38026.7	34.61	137.18	67.0	1224.	573.6
10.00		0.4375	59.520	83.232	37084.8	34.31	136.05	67.3	1203.	568.8
12.00		0.4375	59.024	82.534	36158.7	34.01	134.91	67.6	1183.	564.1
14.00		0.4375	58.528	81.835	35248.1	33.70	133.78	68.0	1163.	559.3
16.00		0.4375	58.032	81.136	34352.9	33.40	132.64	68.3	1143.	554.6
18.00		0.4375	57.536	80.438	33472.9	33.09	131.51	68.6	1123.	549.8
20.00		0.4375	57.040	79.739	32608.2	32.79	130.38	69.0	1104.	545.0
22.00		0.4375	56.544	79.040	31758.5	32.49	129.24	69.3	1085.	540.3
24.00		0.4375	56.048	78.341	30923.6	32.18	128.11	69.6	1065.	535.5
26.00		0.4375	55.552	77.643	30103.5	31.88	126.98	69.9	1046.	530.8
28.00		0.4375	55.056	76.944	29298.1	31.58	125.84	70.3	1028.	526.0
30.00		0.4375	54.560	76.245	28507.1	31.27	124.71	70.6	1009.	521.3
32.00		0.4375	54.064	75.546	27730.5	30.97	123.57	70.9	990.9	516.5
34.00		0.4375	53.568	74.848	26968.2	30.66	122.44	71.3	972.6	511.8
36.00		0.4375	53.072	74.149	26219.9	30.36	121.31	71.6	954.4	507.0
38.00		0.4375	52.576	73.450	25485.6	30.06	120.17	71.9	936.4	502.2
40.00		0.4375	52.080	72.751	24765.2	29.75	119.04	72.3	918.6	497.5
42.00		0.4375	51.584	72.053	24058.4	29.45	117.91	72.6	901.0	492.7
43.92	Bot - Section 2	0.4375	51.109	71.383	23393.9	29.16	116.82	72.9	884.3	467.7
44.00		0.4375	51.088	71.354	23365.3	29.15	116.77	72.9	883.5	39.3
46.00		0.4375	50.592	70.655	22685.6	28.84	115.64	73.3	866.2	939.4
48.00		0.4375	50.096	69.956	22019.2	28.54	114.51	73.6	849.1	930.3
50.00		0.4375	49.600	69.258	21365.9	28.23	113.37	73.9	832.2	921.1
51.00	Top - Section 1	0.4063	50.165	65.090	20569.8	30.94	123.48	0.0	0.0	457.1
52.00		0.4063	49.917	64.766	20263.8	30.78	122.87	71.1	784.2	220.9
54.00		0.4063	49.421	64.117	19660.8	30.45	121.65	71.5	768.5	438.6
56.00		0.4063	48.925	63.468	19070.0	30.13	120.43	71.9	753.0	434.1
58.00		0.4063	48.429	62.819	18491.1	29.80	119.21	72.2	737.6	429.7
60.00		0.4063	47.933	62.170	17924.0	29.47	117.99	72.6	722.4	425.3
62.00		0.4063	47.437	61.521	17368.7	29.14	116.77	72.9	707.3	420.9
64.00		0.4063	46.941	60.873	16824.9	28.82	115.55	73.3	692.4	416.5
66.00		0.4063	46.445	60.224	16292.6	28.49	114.32	73.6	677.7	412.1
68.00		0.4063	45.949	59.575	15771.7	28.16	113.10	74.0	663.1	407.6
70.00		0.4063	45.453	58.926	15262.0	27.84	111.88	74.4	648.7	403.2
72.00		0.4063	44.957	58.277	14763.4	27.51	110.66	74.7	634.4	398.8
74.00		0.4063	44.461	57.628	14275.7	27.18	109.44	75.1	620.3	394.4
76.00		0.4063	43.965	56.980	13799.0	26.85	108.22	75.4	606.3	390.0
78.00		0.4063	43.469	56.331	13332.9	26.53	107.00	75.8	592.5	385.6
80.00		0.4063	42.973	55.682	12877.5	26.20	105.78	76.1	578.9	381.2
82.00		0.4063	42.477	55.033	12432.6	25.87	104.56	76.5	565.4	376.7
84.00		0.4063	41.981	54.384	11998.0	25.55	103.34	76.9	552.1	372.3
86.00		0.4063	41.485	53.735	11573.7	25.22	102.12	77.2	539.0	367.9
88.00		0.4063	40.989	53.087	11159.5	24.89	100.89	77.6	526.0	363.5
90.00		0.4063	40.493	52.438	10755.3	24.56	99.67	77.9	513.1	359.1
90.17	Bot - Section 3	0.4063	40.451	52.384	10722.0	24.54	99.57	78.0	512.1	29.7
92.00		0.4063	39.997	51.789	10361.0	24.24	98.45	78.3	500.4	605.1

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
94.00		0.4063	39.501	51.140	9976.4	23.91	97.23	78.6	487.9	652.3
96.00	Top - Section 2	0.3438	39.692	43.554	8607.2	28.80	115.47	0.0	0.0	644.1
98.00		0.3438	39.196	43.005	8285.8	28.41	114.02	73.7	408.4	294.5
100.00		0.3438	38.700	42.456	7972.5	28.02	112.58	74.2	398.0	290.8
102.00		0.3438	38.204	41.907	7667.2	27.64	111.14	74.6	387.7	287.1
104.00		0.3438	37.708	41.358	7369.8	27.25	109.70	75.0	377.6	283.3
106.00		0.3438	37.212	40.809	7080.1	26.86	108.25	75.4	367.6	279.6
108.00		0.3438	36.716	40.260	6798.2	26.48	106.81	75.8	357.7	275.9
110.00		0.3438	36.220	39.711	6523.9	26.09	105.37	76.3	348.0	272.1
112.00		0.3438	35.724	39.162	6257.0	25.70	103.92	76.7	338.4	268.4
114.00		0.3438	35.228	38.613	5997.5	25.32	102.48	77.1	328.9	264.6
116.00		0.3438	34.732	38.063	5745.3	24.93	101.04	77.5	319.6	260.9
118.00		0.3438	34.236	37.514	5500.3	24.54	99.60	77.9	310.4	257.2
120.00		0.3438	33.740	36.965	5262.3	24.16	98.15	78.4	301.3	253.4
122.00		0.3438	33.244	36.416	5031.3	23.77	96.71	78.8	292.4	249.7
124.00		0.3438	32.748	35.867	4807.2	23.38	95.27	79.2	283.6	246.0
126.00		0.3438	32.252	35.318	4589.8	23.00	93.82	79.6	274.9	242.2
128.00		0.3438	31.756	34.769	4379.1	22.61	92.38	80.1	266.4	238.5
130.00		0.3438	31.260	34.220	4174.9	22.22	90.94	80.5	258.0	234.8
132.00		0.3438	30.764	33.671	3977.2	21.84	89.50	80.9	249.7	231.0
133.33	Bot - Section 4	0.3438	30.433	33.305	3848.9	21.58	88.53	81.2	244.3	151.9
134.00		0.3438	30.268	33.122	3785.8	21.45	88.05	81.3	241.6	131.2
136.00		0.3438	29.772	32.573	3600.6	21.06	86.61	81.7	233.6	389.4
138.00	Top - Section 3	0.2500	29.776	23.768	2644.8	29.77	119.10	0.0	0.0	382.9
140.00		0.2500	29.280	23.369	2513.8	29.24	117.12	72.8	165.9	160.4
142.00		0.2500	28.784	22.970	2387.1	28.71	115.14	73.4	160.2	157.7
144.00		0.2500	28.288	22.571	2264.8	28.18	113.15	74.0	154.7	155.0
146.00		0.2500	27.792	22.171	2146.7	27.64	111.17	74.6	149.2	152.2
148.00		0.2500	27.296	21.772	2032.8	27.11	109.18	75.1	143.9	149.5
150.00		0.2500	26.800	21.373	1923.0	26.58	107.20	75.7	138.6	146.8
152.00		0.2500	26.304	20.973	1817.2	26.05	105.22	76.3	133.5	144.1
154.00		0.2500	25.808	20.574	1715.4	25.52	103.23	76.9	128.4	141.4
156.00		0.2500	25.312	20.175	1617.4	24.99	101.25	77.5	123.4	138.7
158.00		0.2500	24.816	19.776	1523.3	24.45	99.26	78.0	118.6	135.9
160.00		0.2500	24.320	19.376	1432.9	23.92	97.28	78.6	113.8	133.2
162.00		0.2500	23.824	18.977	1346.1	23.39	95.30	79.2	109.2	130.5
164.00		0.2500	23.328	18.578	1262.9	22.86	93.31	79.8	104.6	127.8
166.00		0.2500	22.832	18.179	1183.2	22.33	91.33	80.4	100.1	125.1
168.00		0.2500	22.336	17.779	1107.0	21.80	89.34	80.9	95.7	122.4
170.00		0.2500	21.840	17.380	1034.0	21.26	87.36	81.5	91.5	119.6
172.00		0.2500	21.344	16.981	964.4	20.73	85.38	81.9	87.3	116.9
174.00		0.2500	20.848	16.581	898.0	20.20	83.39	81.9	83.2	114.2
176.00		0.2500	20.352	16.182	834.6	19.67	81.41	81.9	79.2	111.5
178.00		0.2500	19.856	15.783	774.4	19.14	79.42	81.9	75.3	108.8
180.00		0.2500	19.360	15.384	717.1	18.61	77.44	81.9	71.6	106.1
										33413.9

Wind Loading - Shaft

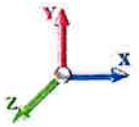
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 29

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	31.009	34.11	603.99	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	31.009	34.11	599.16	0.950	0.000	2.00	10.655	10.12	345.3	0.0	705.4
4.00		1.00	0.85	31.009	34.11	594.33	0.950	0.000	2.00	10.569	10.04	342.5	0.0	699.7
6.00		1.00	0.85	31.009	34.11	589.49	0.950	0.000	2.00	10.484	9.96	339.7	0.0	694.0
8.00		1.00	0.85	31.009	34.11	584.66	0.950	0.000	2.00	10.398	9.88	337.0	0.0	688.3
10.00		1.00	0.85	31.009	34.11	579.83	0.950	0.000	2.00	10.313	9.80	334.2	0.0	682.6
12.00		1.00	0.85	31.009	34.11	575.00	0.950	0.000	2.00	10.227	9.72	331.4	0.0	676.9
14.00		1.00	0.85	31.009	34.11	570.17	0.950	0.000	2.00	10.142	9.63	328.6	0.0	671.2
16.00		1.00	0.86	31.392	34.53	568.81	0.950	0.000	2.00	10.056	9.55	329.9	0.0	665.5
18.00		1.00	0.88	32.180	35.40	570.99	0.950	0.000	2.00	9.970	9.47	335.3	0.0	659.8
20.00		1.00	0.90	32.902	36.19	572.38	0.950	0.000	2.00	9.885	9.39	339.9	0.0	654.1
22.00		1.00	0.92	33.569	36.93	573.12	0.950	0.000	2.00	9.799	9.31	343.8	0.0	648.3
24.00		1.00	0.94	34.189	37.61	573.32	0.950	0.000	2.00	9.714	9.23	347.0	0.0	642.6
26.00		1.00	0.95	34.770	38.25	573.06	0.950	0.000	2.00	9.628	9.15	349.8	0.0	636.9
28.00		1.00	0.97	35.317	38.85	572.39	0.950	0.000	2.00	9.542	9.07	352.2	0.0	631.2
30.00		1.00	0.98	35.834	39.42	571.37	0.950	0.000	2.00	9.457	8.98	354.1	0.0	625.5
32.00		1.00	1.00	36.324	39.96	570.03	0.950	0.000	2.00	9.371	8.90	355.7	0.0	619.8
34.00		1.00	1.01	36.791	40.47	568.42	0.950	0.000	2.00	9.286	8.82	357.0	0.0	614.1
36.00		1.00	1.02	37.236	40.96	566.55	0.950	0.000	2.00	9.200	8.74	358.0	0.0	608.4
38.00		1.00	1.03	37.662	41.43	564.46	0.950	0.000	2.00	9.115	8.66	358.7	0.0	602.7
40.00		1.00	1.04	38.071	41.88	562.16	0.950	0.000	2.00	9.029	8.58	359.2	0.0	597.0
42.00		1.00	1.05	38.464	42.31	559.68	0.950	0.000	2.00	8.943	8.50	359.5	0.0	591.3
43.92	Bot - Section 2	1.00	1.06	38.827	42.71	557.13	0.950	0.000	1.92	8.490	8.07	344.5	0.0	561.3
44.00		1.00	1.06	38.843	42.73	557.02	0.950	0.000	0.08	0.373	0.35	15.1	0.0	47.2
46.00		1.00	1.07	39.208	43.13	554.19	0.950	0.000	2.00	8.912	8.47	365.2	0.0	1127.3
48.00		1.00	1.08	39.561	43.52	551.23	0.950	0.000	2.00	8.827	8.39	364.9	0.0	1116.3
50.00		1.00	1.09	39.902	43.89	548.12	0.950	0.000	2.00	8.741	8.30	364.5	0.0	1105.3
51.00	Top - Section 1	1.00	1.10	40.069	44.08	546.52	0.950	0.000	1.00	4.339	4.12	181.7	0.0	548.5
52.00		1.00	1.10	40.233	44.26	553.90	0.950	0.000	1.00	4.317	4.10	181.5	0.0	265.1
54.00		1.00	1.11	40.554	44.61	550.58	0.950	0.000	2.00	8.570	8.14	363.2	0.0	526.3
56.00		1.00	1.12	40.866	44.95	547.14	0.950	0.000	2.00	8.485	8.06	362.3	0.0	521.0
58.00		1.00	1.13	41.169	45.29	543.60	0.950	0.000	2.00	8.399	7.98	361.3	0.0	515.7
60.00		1.00	1.14	41.464	45.61	539.95	0.950	0.000	2.00	8.313	7.90	360.2	0.0	510.4
62.00		1.00	1.14	41.751	45.93	536.21	0.950	0.000	2.00	8.228	7.82	359.0	0.0	505.1
64.00		1.00	1.15	42.031	46.23	532.38	0.950	0.000	2.00	8.142	7.74	357.6	0.0	499.8
66.00		1.00	1.16	42.304	46.53	528.47	0.950	0.000	2.00	8.057	7.65	356.2	0.0	494.5
68.00		1.00	1.17	42.571	46.83	524.47	0.950	0.000	2.00	7.971	7.57	354.6	0.0	489.2
70.00		1.00	1.17	42.831	47.11	520.39	0.950	0.000	2.00	7.885	7.49	352.9	0.0	483.9
72.00		1.00	1.18	43.086	47.39	516.24	0.950	0.000	2.00	7.800	7.41	351.2	0.0	478.6
74.00		1.00	1.19	43.335	47.67	512.02	0.950	0.000	2.00	7.714	7.33	349.3	0.0	473.3
76.00		1.00	1.19	43.579	47.94	507.73	0.950	0.000	2.00	7.629	7.25	347.4	0.0	468.0
78.00		1.00	1.20	43.818	48.20	503.38	0.950	0.000	2.00	7.543	7.17	345.4	0.0	462.7
80.00		1.00	1.21	44.053	48.46	498.96	0.950	0.000	2.00	7.458	7.08	343.3	0.0	457.4
82.00		1.00	1.21	44.282	48.71	494.49	0.950	0.000	2.00	7.372	7.00	341.1	0.0	452.1
84.00		1.00	1.22	44.507	48.96	489.96	0.950	0.000	2.00	7.286	6.92	338.9	0.0	446.8
86.00		1.00	1.23	44.728	49.20	485.37	0.950	0.000	2.00	7.201	6.84	336.6	0.0	441.5
88.00		1.00	1.23	44.945	49.44	480.73	0.950	0.000	2.00	7.115	6.76	334.2	0.0	436.2

Wind Loading - Shaft

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

TES Tower Engineering Solutions

90.00	1.00	1.24	45.159	49.67	476.03	0.950	0.000	2.00	7.030	6.68	331.7	0.0	430.9
90.17 Bot - Section 3	1.00	1.24	45.176	49.69	475.64	0.950	0.000	0.17	0.582	0.55	27.5	0.0	35.7
92.00	1.00	1.24	45.368	49.90	471.29	0.950	0.000	1.83	6.471	6.15	306.8	0.0	726.1
94.00	1.00	1.25	45.574	50.13	466.50	0.950	0.000	2.00	6.977	6.63	332.3	0.0	782.7
96.00 Top - Section 2	1.00	1.25	45.776	50.35	461.67	0.950	0.000	2.00	6.891	6.55	329.7	0.0	772.9
98.00	1.00	1.26	45.975	50.57	464.94	0.950	0.000	2.00	6.806	6.47	327.0	0.0	353.4
100.00	1.00	1.27	46.171	50.79	460.03	0.950	0.000	2.00	6.720	6.38	324.2	0.0	349.0
102.00	1.00	1.27	46.364	51.00	455.09	0.950	0.000	2.00	6.635	6.30	321.5	0.0	344.5
104.00	1.00	1.28	46.554	51.21	450.10	0.950	0.000	2.00	6.549	6.22	318.6	0.0	340.0
106.00	1.00	1.28	46.741	51.42	445.07	0.950	0.000	2.00	6.464	6.14	315.7	0.0	335.5
108.00	1.00	1.29	46.926	51.62	440.00	0.950	0.000	2.00	6.378	6.06	312.8	0.0	331.0
110.00	1.00	1.29	47.107	51.82	434.90	0.950	0.000	2.00	6.292	5.98	309.8	0.0	326.5
112.00	1.00	1.30	47.286	52.01	429.75	0.950	0.000	2.00	6.207	5.90	306.7	0.0	322.1
114.00	1.00	1.30	47.463	52.21	424.58	0.950	0.000	2.00	6.121	5.82	303.6	0.0	317.6
116.00	1.00	1.31	47.637	52.40	419.37	0.950	0.000	2.00	6.036	5.73	300.5	0.0	313.1
118.00	1.00	1.31	47.809	52.59	414.12	0.950	0.000	2.00	5.950	5.65	297.3	0.0	308.6
120.00	1.00	1.32	47.978	52.78	408.85	0.950	0.000	2.00	5.864	5.57	294.0	0.0	304.1
122.00	1.00	1.32	48.145	52.96	403.54	0.950	0.000	2.00	5.779	5.49	290.7	0.0	299.6
124.00	1.00	1.32	48.310	53.14	398.20	0.950	0.000	2.00	5.693	5.41	287.4	0.0	295.2
126.00	1.00	1.33	48.473	53.32	392.83	0.950	0.000	2.00	5.608	5.33	284.1	0.0	290.7
128.00	1.00	1.33	48.634	53.50	387.43	0.950	0.000	2.00	5.522	5.25	280.7	0.0	286.2
130.00	1.00	1.34	48.793	53.67	382.00	0.950	0.000	2.00	5.437	5.16	277.2	0.0	281.7
132.00	1.00	1.34	48.950	53.85	376.54	0.950	0.000	2.00	5.351	5.08	273.7	0.0	277.2
133.33 Bot - Section 4	1.00	1.34	49.054	53.96	372.89	0.950	0.000	1.33	3.520	3.34	180.4	0.0	182.3
134.00	1.00	1.35	49.106	54.02	371.06	0.950	0.000	0.67	1.774	1.69	91.1	0.0	157.5
136.00	1.00	1.35	49.259	54.19	365.55	0.950	0.000	2.00	5.266	5.00	271.1	0.0	467.3
138.00 Top - Section 3	1.00	1.35	49.411	54.35	360.01	0.950	0.000	2.00	5.181	4.92	267.5	0.0	459.5
140.00 Appurtenance(s)	1.00	1.36	49.561	54.52	360.61	0.950	0.000	2.00	5.095	4.84	263.9	0.0	192.5
142.00	1.00	1.36	49.709	54.68	355.03	0.950	0.000	2.00	5.009	4.76	260.2	0.0	189.2
144.00	1.00	1.37	49.855	54.84	349.42	0.950	0.000	2.00	4.924	4.68	256.5	0.0	186.0
146.00	1.00	1.37	50.000	55.00	343.80	0.950	0.000	2.00	4.838	4.60	252.8	0.0	182.7
148.00	1.00	1.37	50.144	55.16	338.14	0.950	0.000	2.00	4.753	4.51	249.0	0.0	179.4
150.00 Appurtenance(s)	1.00	1.38	50.286	55.31	332.47	0.950	0.000	2.00	4.667	4.43	245.2	0.0	176.2
152.00	1.00	1.38	50.426	55.47	326.77	0.950	0.000	2.00	4.581	4.35	241.4	0.0	172.9
154.00	1.00	1.39	50.565	55.62	321.05	0.950	0.000	2.00	4.496	4.27	237.6	0.0	169.7
156.00	1.00	1.39	50.703	55.77	315.31	0.950	0.000	2.00	4.410	4.19	233.7	0.0	166.4
158.00 Appurtenance(s)	1.00	1.39	50.839	55.92	309.54	0.950	0.000	2.00	4.325	4.11	229.8	0.0	163.1
160.00	1.00	1.40	50.974	56.07	303.76	0.950	0.000	2.00	4.239	4.03	225.8	0.0	159.9
162.00	1.00	1.40	51.107	56.22	297.95	0.950	0.000	2.00	4.154	3.95	221.8	0.0	156.6
164.00	1.00	1.40	51.239	56.36	292.13	0.950	0.000	2.00	4.068	3.86	217.8	0.0	153.3
166.00 Appurtenance(s)	1.00	1.41	51.370	56.51	286.28	0.950	0.000	2.00	3.982	3.78	213.8	0.0	150.1
168.00	1.00	1.41	51.500	56.65	280.42	0.950	0.000	2.00	3.897	3.70	209.7	0.0	146.8
170.00	1.00	1.42	51.628	56.79	274.53	0.950	0.000	2.00	3.811	3.62	205.6	0.0	143.6
172.00	1.00	1.42	51.756	56.93	268.63	0.950	0.000	2.00	3.726	3.54	201.5	0.0	140.3
174.00	1.00	1.42	51.882	57.07	262.70	0.950	0.000	2.00	3.640	3.46	197.3	0.0	137.0
176.00	1.00	1.43	52.007	57.21	256.76	0.950	0.000	2.00	3.554	3.38	193.2	0.0	133.8
178.00 Appurtenance(s)	1.00	1.43	52.131	57.34	250.80	0.950	0.000	2.00	3.469	3.30	189.0	0.0	130.5
180.00	1.00	1.43	52.253	57.48	244.83	0.950	0.000	2.00	3.383	3.21	184.7	0.0	127.3
							Totals:	**180.00**			**27,684.8**		**40,096.7**

Discrete Appurtenance Forces

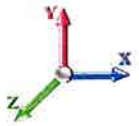
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 29

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	BSF0020F3V1-1	2	52.131	57.344	0.68	0.75	1.30	42.24	0.000	0.000	74.32	0.00	0.00
2	178.00	VZS01	3	52.131	57.344	0.52	0.75	6.68	313.56	0.000	0.000	382.81	0.00	0.00
3	178.00	Platform w/ Handrails w/	1	52.131	57.344	1.00	1.00	40.00	2642.64	0.000	0.000	2293.75	0.00	0.00
4	178.00	Raycap	1	52.131	57.344	0.75	0.75	1.96	38.40	0.000	0.000	112.25	0.00	0.00
5	178.00	Samsung B5/B13 RRH	3	52.131	57.344	0.38	0.75	2.50	253.08	0.000	0.000	143.22	0.00	0.00
6	178.00	Samsung B2/B66A RRH	3	52.131	57.344	0.38	0.75	2.11	303.84	0.000	0.000	121.28	0.00	0.00
7	178.00	JMA MX06FRO660-03	6	52.131	57.344	0.65	0.75	38.64	432.00	0.000	0.000	2215.82	0.00	0.00
8	178.00	91900314	3	52.131	57.344	1.00	1.00	0.00	91.26	0.000	0.000	0.00	0.00	0.00
9	166.00	Sitepro	1	51.370	56.507	0.75	0.75	5.03	276.00	0.000	0.000	283.95	0.00	0.00
10	166.00	Sitepro	1	51.370	56.507	0.75	0.75	5.25	487.93	0.000	0.000	296.66	0.00	0.00
11	166.00	RFS APXVTM14-C-I20	3	51.370	56.507	0.58	0.75	10.98	202.32	0.000	0.000	620.68	0.00	0.00
12	166.00	Platform w/ Hand Rails	1	51.370	56.507	1.00	1.00	40.00	2400.00	0.000	0.000	2260.29	0.00	0.00
13	166.00	ALU 800 Mhz	6	51.370	56.507	0.38	0.75	5.60	381.60	0.000	0.000	316.58	0.00	0.00
14	166.00	Commscope	3	51.370	56.507	0.55	0.75	20.43	278.64	0.000	0.000	1154.42	0.00	0.00
15	166.00	ALU 1900 Mhz	3	51.370	56.507	0.38	0.75	4.27	158.40	0.000	0.000	241.57	0.00	0.00
16	166.00	ALU TD-RRH8x20-25	3	51.370	56.507	0.38	0.75	4.56	252.00	0.000	0.000	257.46	0.00	0.00
17	158.00	V-Brace	1	50.839	55.923	0.75	0.75	3.97	236.40	0.000	0.000	222.29	0.00	0.00
18	158.00	T-Arm Kit	3	50.839	55.923	0.56	0.75	6.75	1800.00	0.000	0.000	377.48	0.00	0.00
19	158.00	4449 B71+B12	3	50.974	56.071	0.40	0.80	1.98	252.00	0.000	2.000	111.02	0.00	222.04
20	158.00	KRY 112 144/2	3	50.974	56.071	0.40	0.80	0.78	55.44	0.000	2.000	43.74	0.00	87.47
21	158.00	KRY 112 489/2	3	50.974	56.071	0.40	0.80	0.78	55.44	0.000	2.000	43.74	0.00	87.47
22	158.00	APXVAARR24_43-U-NA2	3	50.974	56.071	0.56	0.80	34.00	460.80	0.000	2.000	1906.59	0.00	3813.19
23	158.00	RR90-17-00VDPL2/-R	3	50.974	56.071	0.54	0.80	7.12	48.60	0.000	2.000	398.97	0.00	797.95
24	158.00	T-Arms	3	50.839	55.923	0.56	0.75	13.50	1260.00	0.000	0.000	754.96	0.00	0.00
25	150.00	DMP65R-BU6DA	2	50.286	55.314	0.54	0.75	13.73	190.56	0.000	0.000	759.29	0.00	0.00
26	150.00	Powerwave 7770	3	50.286	55.314	0.55	0.75	9.05	126.00	0.000	0.000	500.60	0.00	0.00
27	150.00	DMP65R-BU4DA	1	50.286	55.314	0.54	0.75	6.86	95.28	0.000	0.000	379.64	0.00	0.00
28	150.00	Powerwave LGP21401	6	50.286	55.314	0.38	0.75	2.75	101.52	0.000	0.000	151.84	0.00	0.00
29	150.00	B2 B66A 8843	3	50.286	55.314	0.38	0.75	1.84	252.00	0.000	0.000	102.05	0.00	0.00
30	150.00	Raycap DC6-48-60-18-8F	1	50.286	55.314	0.50	0.75	0.91	38.16	0.000	0.000	50.31	0.00	0.00
31	150.00	Platform w/ Hand Rail	1	50.286	55.314	1.00	1.00	35.00	1920.00	0.000	0.000	1936.00	0.00	0.00
32	150.00	Cci HPA-65R-BUU-H6	2	50.286	55.314	0.64	0.75	12.32	122.40	0.000	0.000	681.28	0.00	0.00
33	150.00	SBNHH-1D65A	1	50.286	55.314	0.62	0.75	3.66	40.20	0.000	0.000	202.47	0.00	0.00
34	150.00	4449 B5/B12	3	50.286	55.314	0.38	0.75	2.22	255.60	0.000	0.000	122.59	0.00	0.00
35	140.00	Raycap	1	49.561	54.517	0.75	0.75	1.51	26.28	0.000	0.000	82.18	0.00	0.00
36	140.00	Fujitsu TA08025-B604	3	49.561	54.517	0.38	0.75	2.21	230.04	0.000	0.000	120.21	0.00	0.00
37	140.00	Fujitsu TA08025-B605	3	49.561	54.517	0.38	0.75	2.21	270.00	0.000	0.000	120.21	0.00	0.00
38	140.00	Sitepro1 SNP8HR-3XX	1	49.561	54.517	1.00	1.00	37.59	2251.20	0.000	0.000	2049.28	0.00	0.00
39	140.00	JMA Wireless	3	49.561	54.517	0.55	0.75	20.80	232.20	0.000	0.000	1133.72	0.00	0.00
							Totals:		**18,874.03**			**23,025.53**		

Total Applied Force Summary

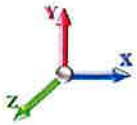
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Tower Engineering Solutions

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 29

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		345.27	708.56	0.00	0.00
4.00		342.50	739.32	0.00	0.00
6.00		339.73	770.08	0.00	0.00
8.00		336.95	764.37	0.00	0.00
10.00		334.18	758.66	0.00	0.00
12.00		331.41	752.96	0.00	0.00
14.00		328.63	747.25	0.00	0.00
16.00		329.88	741.54	0.00	0.00
18.00		335.29	735.84	0.00	0.00
20.00		339.86	730.13	0.00	0.00
22.00		343.75	724.42	0.00	0.00
24.00		347.05	718.72	0.00	0.00
26.00		349.84	713.01	0.00	0.00
28.00		352.18	707.31	0.00	0.00
30.00		354.13	701.60	0.00	0.00
32.00		355.72	695.89	0.00	0.00
34.00		357.00	690.19	0.00	0.00
36.00		357.99	684.48	0.00	0.00
38.00		358.72	678.77	0.00	0.00
40.00		359.21	673.07	0.00	0.00
42.00		359.48	667.36	0.00	0.00
43.92		344.50	634.20	0.00	0.00
44.00		15.15	50.38	0.00	0.00
46.00		365.16	1203.41	0.00	0.00
48.00		364.91	1192.41	0.00	0.00
50.00		364.49	1181.40	0.00	0.00
51.00		181.66	586.57	0.00	0.00
52.00		181.51	303.16	0.00	0.00
54.00		363.19	602.35	0.00	0.00
56.00		362.33	597.05	0.00	0.00
58.00		361.33	591.75	0.00	0.00
60.00		360.21	586.45	0.00	0.00
62.00		358.98	581.15	0.00	0.00
64.00		357.62	575.85	0.00	0.00
66.00		356.16	570.55	0.00	0.00
68.00		354.60	565.26	0.00	0.00
70.00		352.94	559.96	0.00	0.00
72.00		351.19	554.66	0.00	0.00
74.00		349.34	549.36	0.00	0.00
76.00		347.41	544.06	0.00	0.00
78.00		345.40	538.76	0.00	0.00
80.00		343.31	533.46	0.00	0.00
82.00		341.14	528.16	0.00	0.00
84.00		338.89	522.87	0.00	0.00
86.00		336.57	517.57	0.00	0.00
88.00		334.19	512.27	0.00	0.00

Total Applied Force Summary

Structure:	CT46130-A-SBA		**Code:**	TIA-222-H	7/11/2023
Site Name:	Deep River-winthrop Rd		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 14

Tower Engineering Solutions

90.00		331.73	506.97	0.00	0.00
90.17		27.47	42.01	0.00	0.00
92.00		306.78	795.81	0.00	0.00
94.00		332.28	858.78	0.00	0.00
96.00		329.66	849.00	0.00	0.00
98.00		326.99	429.52	0.00	0.00
100.00		324.25	425.04	0.00	0.00
102.00		321.46	420.56	0.00	0.00
104.00		318.61	416.07	0.00	0.00
106.00		315.71	411.59	0.00	0.00
108.00		312.76	407.11	0.00	0.00
110.00		309.76	402.62	0.00	0.00
112.00		306.70	398.14	0.00	0.00
114.00		303.61	393.65	0.00	0.00
116.00		300.46	389.17	0.00	0.00
118.00		297.27	384.69	0.00	0.00
120.00		294.03	380.20	0.00	0.00
122.00		290.75	375.72	0.00	0.00
124.00		287.42	371.24	0.00	0.00
126.00		284.06	366.75	0.00	0.00
128.00		280.65	362.27	0.00	0.00
130.00		277.21	357.79	0.00	0.00
132.00		273.72	353.30	0.00	0.00
133.33		180.43	233.04	0.00	0.00
134.00		91.05	182.83	0.00	0.00
136.00		271.08	543.34	0.00	0.00
138.00		267.49	535.59	0.00	0.00
140.00	(11) attachments	3769.48	3278.28	0.00	0.00
142.00		260.21	262.90	0.00	0.00
144.00		256.52	259.63	0.00	0.00
146.00		252.80	256.37	0.00	0.00
148.00		249.04	253.11	0.00	0.00
150.00	(23) attachments	5131.32	3391.57	0.00	0.00
152.00		241.42	222.66	0.00	0.00
154.00		237.56	219.40	0.00	0.00
156.00		233.68	216.14	0.00	0.00
158.00	(22) attachments	4088.54	4381.56	0.00	5008.12
160.00		225.81	209.62	0.00	0.00
162.00		221.83	173.91	0.00	0.00
164.00		217.82	170.65	0.00	0.00
166.00	(21) attachments	5645.39	4604.28	0.00	0.00
168.00		209.71	154.97	0.00	0.00
170.00		205.62	151.71	0.00	0.00
172.00		201.50	148.45	0.00	0.00
174.00		197.35	145.19	0.00	0.00
176.00		193.17	141.93	0.00	0.00
178.00	(22) attachments	5532.42	4255.69	0.00	0.00
180.00		184.74	130.41	0.00	0.00
	Totals:	**50,710.31**	**64,907.86**	**0.00**	**5,008.12**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

TES Tower Engineering Solutions

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 29

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)
4.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.014	0.000	31.009	0.00	1.20
6.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	31.009	0.00	2.40
8.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	31.009	0.00	2.40
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	31.009	0.00	2.40
12.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	31.009	0.00	2.40
14.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	31.009	0.00	2.40
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	31.392	0.00	2.40
18.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	32.180	0.00	2.40
20.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	32.902	0.00	2.40
22.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	33.569	0.00	2.40
24.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	34.189	0.00	2.40
26.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	34.770	0.00	2.40
28.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	35.317	0.00	2.40
30.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	35.834	0.00	2.40
32.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	36.324	0.00	2.40
34.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	36.791	0.00	2.40
36.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	37.236	0.00	2.40
38.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	37.662	0.00	2.40
40.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	38.071	0.00	2.40
42.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	38.464	0.00	2.40
43.92	1.75" Hybrid	Yes	1.92	0.000	1.75	0.28	0.00	0.033	0.000	38.827	0.00	2.30
44.00	1.75" Hybrid	Yes	0.08	0.000	1.75	0.01	0.00	0.033	0.000	38.843	0.00	0.10
46.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	39.208	0.00	2.40
48.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	39.561	0.00	2.40
50.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	39.902	0.00	2.40
51.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.034	0.000	40.069	0.00	1.20
52.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.034	0.000	40.233	0.00	1.20
54.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	40.554	0.00	2.40
56.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	40.866	0.00	2.40
58.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	41.169	0.00	2.40
60.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	41.464	0.00	2.40
62.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	41.751	0.00	2.40
64.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	42.031	0.00	2.40
66.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	42.304	0.00	2.40
68.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	42.571	0.00	2.40
70.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	42.831	0.00	2.40
72.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	43.086	0.00	2.40
74.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	43.335	0.00	2.40
76.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	43.579	0.00	2.40
78.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	43.818	0.00	2.40
80.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	44.053	0.00	2.40
82.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	44.282	0.00	2.40
84.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	44.507	0.00	2.40
86.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	44.728	0.00	2.40
88.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	44.945	0.00	2.40
90.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	45.159	0.00	2.40
90.17	1.75" Hybrid	Yes	0.17	0.000	1.75	0.02	0.00	0.042	0.000	45.176	0.00	0.20

Linear Appurtenance Segment Forces (Factored)

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

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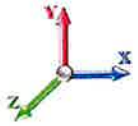
TES Tower Engineering Solutions

Load Case: 1.2D + 1.0W 123 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00



Iterations 29

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
92.00	1.75" Hybrid	Yes	1.83	0.000	1.75	0.27	0.00	0.042	0.000	45.368	0.00	2.20
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	45.574	0.00	2.40
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	45.776	0.00	2.40
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	45.975	0.00	2.40
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	46.171	0.00	2.40
102.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	46.364	0.00	2.40
104.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	46.554	0.00	2.40
106.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	46.741	0.00	2.40
108.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	46.926	0.00	2.40
110.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	47.107	0.00	2.40
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	47.286	0.00	2.40
114.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	47.463	0.00	2.40
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	47.637	0.00	2.40
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	47.809	0.00	2.40
120.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	47.978	0.00	2.40
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	48.145	0.00	2.40
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	48.310	0.00	2.40
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.052	0.000	48.473	0.00	2.40
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.053	0.000	48.634	0.00	2.40
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.054	0.000	48.793	0.00	2.40
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.055	0.000	48.950	0.00	2.40
133.33	1.75" Hybrid	Yes	1.33	0.000	1.75	0.19	0.00	0.055	0.000	49.054	0.00	1.60
134.00	1.75" Hybrid	Yes	0.67	0.000	1.75	0.10	0.00	0.056	0.000	49.106	0.00	0.80
136.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.056	0.000	49.259	0.00	2.40
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.057	0.000	49.411	0.00	2.40
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.057	0.000	49.561	0.00	2.40
										Totals:	**0.0**	**164.4**

Calculated Forces

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

TES Tower Engineering Solutions

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 29

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-64.87	-50.76	0.00	-6336.8	0.00	6336.89	5123.29	1522.04	7808.40	6435.29	0.00	0.000	0.000	0.998
2.00	-64.08	-50.51	0.00	-6235.3	0.00	6235.37	5107.67	1509.78	7683.09	6363.61	0.02	-0.085	0.000	0.994
4.00	-63.27	-50.26	0.00	-6134.3	0.00	6134.35	5091.62	1497.52	7558.79	6291.73	0.07	-0.171	0.000	0.989
6.00	-62.43	-50.01	0.00	-6033.8	0.00	6033.84	5075.16	1485.26	7435.50	6219.67	0.16	-0.258	0.000	0.984
8.00	-61.59	-49.77	0.00	-5933.8	0.00	5933.81	5058.29	1472.99	7313.22	6147.44	0.29	-0.345	0.000	0.979
10.00	-60.75	-49.52	0.00	-5834.2	0.00	5834.28	5041.00	1460.73	7191.96	6075.05	0.46	-0.433	0.000	0.974
12.00	-59.93	-49.28	0.00	-5735.2	0.00	5735.24	5023.29	1448.47	7071.72	6002.51	0.66	-0.522	0.000	0.969
14.00	-59.11	-49.03	0.00	-5636.6	0.00	5636.69	5005.16	1436.20	6952.48	5929.84	0.90	-0.611	0.000	0.964
16.00	-58.29	-48.79	0.00	-5538.6	0.00	5538.63	4986.62	1423.94	6834.27	5857.05	1.17	-0.702	0.000	0.958
18.00	-57.48	-48.53	0.00	-5441.0	0.00	5441.06	4967.66	1411.68	6717.06	5784.16	1.49	-0.793	0.000	0.953
20.00	-56.68	-48.27	0.00	-5343.9	0.00	5343.99	4948.29	1399.42	6600.87	5711.17	1.84	-0.884	0.000	0.948
22.00	-55.88	-48.01	0.00	-5247.4	0.00	5247.44	4928.49	1387.15	6485.69	5638.10	2.23	-0.977	0.000	0.943
24.00	-55.09	-47.74	0.00	-5151.4	0.00	5151.43	4908.28	1374.89	6371.53	5564.95	2.66	-1.070	0.000	0.938
26.00	-54.31	-47.47	0.00	-5055.9	0.00	5055.95	4887.66	1362.63	6258.37	5491.76	3.13	-1.164	0.000	0.933
28.00	-53.53	-47.19	0.00	-4961.0	0.00	4961.02	4866.62	1350.36	6146.24	5418.52	3.64	-1.258	0.000	0.928
30.00	-52.76	-46.91	0.00	-4866.6	0.00	4866.65	4845.16	1338.10	6035.11	5345.24	4.18	-1.354	0.000	0.923
32.00	-51.99	-46.62	0.00	-4772.8	0.00	4772.84	4823.28	1325.84	5925.00	5271.95	4.77	-1.450	0.000	0.917
34.00	-51.24	-46.33	0.00	-4679.6	0.00	4679.60	4800.99	1313.58	5815.91	5198.66	5.40	-1.547	0.000	0.912
36.00	-50.48	-46.04	0.00	-4586.9	0.00	4586.94	4778.28	1301.31	5707.83	5125.37	6.07	-1.645	0.000	0.907
38.00	-49.74	-45.75	0.00	-4494.8	0.00	4494.86	4755.15	1289.05	5600.76	5052.10	6.78	-1.743	0.000	0.901
40.00	-49.00	-45.45	0.00	-4403.3	0.00	4403.36	4731.61	1276.79	5494.70	4978.87	7.53	-1.843	0.000	0.896
42.00	-48.26	-45.16	0.00	-4312.4	0.00	4312.45	4707.65	1264.52	5389.66	4905.68	8.33	-1.943	0.000	0.891
43.92	-47.60	-44.83	0.00	-4225.9	0.00	4225.91	4684.30	1252.77	5289.95	4835.60	9.13	-2.040	0.000	0.885
44.00	-47.51	-44.86	0.00	-4222.1	0.00	4222.17	4683.27	1252.26	5285.64	4832.55	9.16	-2.044	0.000	0.885
46.00	-46.24	-44.53	0.00	-4132.4	0.00	4132.45	4658.48	1240.00	5182.62	4759.49	10.04	-2.146	0.000	0.879
48.00	-44.98	-44.20	0.00	-4043.3	0.00	4043.39	4633.27	1227.74	5080.62	4686.52	10.96	-2.248	0.000	0.874
50.00	-43.76	-43.85	0.00	-3954.9	0.00	3954.99	4607.64	1215.47	4979.64	4613.64	11.93	-2.351	0.000	0.868
51.00	-43.14	-43.68	0.00	-3911.1	0.00	3911.14	4157.28	1142.33	4736.69	4216.21	12.42	-2.404	0.000	0.939
52.00	-42.78	-43.55	0.00	-3867.4	0.00	3867.45	4146.96	1136.64	4689.60	4184.61	12.93	-2.456	0.000	0.936
54.00	-42.12	-43.24	0.00	-3780.3	0.00	3780.35	4126.01	1125.25	4596.10	4121.41	13.99	-2.564	0.000	0.929
56.00	-41.46	-42.93	0.00	-3693.8	0.00	3693.87	4104.64	1113.86	4503.55	4058.23	15.08	-2.672	0.000	0.922
58.00	-40.80	-42.62	0.00	-3608.0	0.00	3608.02	4082.85	1102.48	4411.95	3995.08	16.23	-2.781	0.000	0.915
60.00	-40.15	-42.31	0.00	-3522.7	0.00	3522.78	4060.64	1091.09	4321.28	3931.97	17.41	-2.891	0.000	0.907
62.00	-39.51	-42.00	0.00	-3438.1	0.00	3438.17	4038.02	1079.70	4231.55	3868.91	18.65	-3.001	0.000	0.900
64.00	-38.87	-41.68	0.00	-3354.1	0.00	3354.18	4014.98	1068.31	4142.77	3805.92	19.93	-3.112	0.000	0.893
66.00	-38.24	-41.37	0.00	-3270.8	0.00	3270.82	3991.52	1056.93	4054.92	3743.01	21.26	-3.224	0.000	0.885
68.00	-37.62	-41.06	0.00	-3188.0	0.00	3188.08	3967.65	1045.54	3968.02	3680.19	22.63	-3.337	0.000	0.877
70.00	-37.00	-40.75	0.00	-3105.9	0.00	3105.96	3943.36	1034.15	3882.06	3617.47	24.05	-3.451	0.000	0.870
72.00	-36.38	-40.44	0.00	-3024.4	0.00	3024.47	3918.66	1022.77	3797.04	3554.87	25.52	-3.565	0.000	0.862
74.00	-35.78	-40.12	0.00	-2943.6	0.00	2943.60	3893.54	1011.38	3712.96	3492.40	27.04	-3.680	0.000	0.854
76.00	-35.18	-39.81	0.00	-2863.3	0.00	2863.35	3868.00	999.99	3629.83	3430.07	28.61	-3.796	0.000	0.845
78.00	-34.58	-39.50	0.00	-2783.7	0.00	2783.72	3842.04	988.61	3547.63	3367.90	30.22	-3.912	0.000	0.837
80.00	-33.99	-39.19	0.00	-2704.7	0.00	2704.72	3815.67	977.22	3466.38	3305.90	31.88	-4.029	0.000	0.829
82.00	-33.41	-38.88	0.00	-2626.3	0.00	2626.33	3788.88	965.83	3386.07	3244.07	33.60	-4.147	0.000	0.820
84.00	-32.83	-38.58	0.00	-2548.5	0.00	2548.56	3761.67	954.44	3306.69	3182.44	35.36	-4.265	0.000	0.811
86.00	-32.26	-38.27	0.00	-2471.4	0.00	2471.41	3734.05	943.06	3228.26	3121.02	37.17	-4.384	0.000	0.802
88.00	-31.70	-37.96	0.00	-2394.8	0.00	2394.88	3706.01	931.67	3150.77	3059.82	39.03	-4.504	0.000	0.793
90.00	-31.18	-37.63	0.00	-2318.9	0.00	2318.95	3677.55	920.28	3074.23	2998.84	40.94	-4.624	0.000	0.783

Calculated Forces

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

Tower Engineering Solutions

90.17	-31.10	-37.63	0.00	-2312.6	0.00	2312.68	3675.16	919.33	3067.89	2993.77	41.10	-4.634	0.000	0.783
92.00	-30.25	-37.32	0.00	-2243.7	0.00	2243.70	3648.68	908.90	2998.62	2938.12	42.90	-4.745	0.000	0.774
94.00	-29.35	-36.98	0.00	-2169.0	0.00	2169.06	3619.39	897.51	2923.96	2877.64	44.92	-4.866	0.000	0.764
96.00	-28.45	-36.64	0.00	-2095.1	0.00	2095.10	2873.56	764.37	2506.37	2303.28	46.98	-4.988	0.000	0.922
98.00	-27.97	-36.34	0.00	-2021.8	0.00	2021.83	2853.66	754.73	2443.58	2258.25	49.09	-5.110	0.000	0.907
100.00	-27.49	-36.04	0.00	-1949.1	0.00	1949.15	2833.34	745.10	2381.59	2213.29	51.26	-5.246	0.000	0.893
102.00	-27.02	-35.75	0.00	-1877.0	0.00	1877.07	2812.61	735.46	2320.39	2168.43	53.48	-5.383	0.000	0.878
104.00	-26.55	-35.45	0.00	-1805.5	0.00	1805.58	2791.46	725.83	2259.99	2123.68	55.76	-5.520	0.000	0.862
106.00	-26.09	-35.16	0.00	-1734.6	0.00	1734.67	2769.89	716.19	2200.39	2079.04	58.10	-5.656	0.000	0.846
108.00	-25.63	-34.87	0.00	-1664.3	0.00	1664.34	2747.90	706.55	2141.58	2034.53	60.50	-5.793	0.000	0.830
110.00	-25.18	-34.58	0.00	-1594.6	0.00	1594.60	2725.50	696.92	2083.57	1990.17	62.95	-5.929	0.000	0.813
112.00	-24.73	-34.29	0.00	-1525.4	0.00	1525.44	2702.68	687.28	2026.36	1945.97	65.46	-6.065	0.000	0.796
114.00	-24.29	-34.01	0.00	-1456.8	0.00	1456.85	2679.45	677.65	1969.94	1901.93	68.03	-6.201	0.000	0.778
116.00	-23.86	-33.72	0.00	-1388.8	0.00	1388.84	2655.79	668.01	1914.32	1858.08	70.65	-6.336	0.000	0.759
118.00	-23.43	-33.44	0.00	-1321.3	0.00	1321.39	2631.73	658.38	1859.50	1814.42	73.33	-6.470	0.000	0.740
120.00	-23.01	-33.16	0.00	-1254.5	0.00	1254.51	2607.24	648.74	1805.47	1770.96	76.06	-6.603	0.000	0.720
122.00	-22.60	-32.88	0.00	-1188.2	0.00	1188.20	2582.34	639.11	1752.24	1727.73	78.85	-6.735	0.000	0.699
124.00	-22.19	-32.60	0.00	-1122.4	0.00	1122.45	2557.02	629.47	1699.80	1684.74	81.69	-6.866	0.000	0.678
126.00	-21.79	-32.32	0.00	-1057.2	0.00	1057.25	2531.28	619.84	1648.16	1641.98	84.59	-6.995	0.000	0.655
128.00	-21.39	-32.04	0.00	-992.61	0.00	992.61	2505.13	610.20	1597.32	1599.49	87.54	-7.122	0.000	0.632
130.00	-21.00	-31.77	0.00	-928.52	0.00	928.52	2478.56	600.57	1547.28	1557.27	90.54	-7.247	0.000	0.608
132.00	-20.63	-31.49	0.00	-864.98	0.00	864.98	2451.58	590.93	1498.03	1515.33	93.60	-7.369	0.000	0.582
133.33	-20.39	-31.30	0.00	-823.00	0.00	823.00	2433.35	584.51	1465.64	1487.53	95.66	-7.450	0.000	0.565
134.00	-20.18	-31.22	0.00	-802.13	0.00	802.13	2424.17	581.30	1449.58	1473.69	96.70	-7.490	0.000	0.556
136.00	-19.62	-30.92	0.00	-739.70	0.00	739.70	2396.35	571.66	1401.92	1432.35	99.86	-7.606	0.000	0.528
138.00	-19.06	-30.62	0.00	-677.87	0.00	677.87	1545.45	417.14	1026.36	929.77	103.06	-7.718	0.000	0.747
140.00	-16.27	-26.47	0.00	-616.64	0.00	616.64	1531.69	410.13	992.17	905.88	106.31	-7.825	0.000	0.695
142.00	-15.98	-26.21	0.00	-563.69	0.00	563.69	1517.50	403.12	958.56	882.03	109.60	-7.959	0.000	0.654
144.00	-15.70	-25.96	0.00	-511.27	0.00	511.27	1502.90	396.11	925.52	858.22	112.96	-8.087	0.000	0.610
146.00	-15.43	-25.70	0.00	-459.35	0.00	459.35	1487.88	389.11	893.06	834.49	116.36	-8.209	0.000	0.565
148.00	-15.17	-25.45	0.00	-407.94	0.00	407.94	1472.45	382.10	861.19	810.82	119.81	-8.324	0.000	0.518
150.00	-12.53	-19.90	0.00	-357.04	0.00	357.04	1456.60	375.09	829.89	787.25	123.31	-8.431	0.000	0.465
152.00	-12.31	-19.65	0.00	-317.24	0.00	317.24	1440.33	368.08	799.17	763.78	126.85	-8.531	0.000	0.427
154.00	-12.10	-19.40	0.00	-277.94	0.00	277.94	1423.65	361.08	769.03	740.42	130.43	-8.624	0.000	0.387
156.00	-11.89	-19.16	0.00	-239.13	0.00	239.13	1406.55	354.07	739.47	717.20	134.05	-8.710	0.000	0.345
158.00	-8.17	-14.46	0.00	-195.81	0.00	195.81	1389.03	347.06	710.49	694.11	137.71	-8.787	0.000	0.290
160.00	-7.98	-14.21	0.00	-166.90	0.00	166.90	1371.10	340.05	682.09	671.17	141.39	-8.855	0.000	0.256
162.00	-7.83	-13.97	0.00	-138.47	0.00	138.47	1352.75	333.05	654.27	648.41	145.10	-8.915	0.000	0.221
164.00	-7.68	-13.74	0.00	-110.52	0.00	110.52	1333.98	326.04	627.03	625.81	148.83	-8.968	0.000	0.184
166.00	-4.01	-7.45	0.00	-83.05	0.00	83.05	1314.79	319.03	600.37	603.42	152.58	-9.012	0.000	0.141
168.00	-3.88	-7.22	0.00	-68.15	0.00	68.15	1295.19	312.03	574.28	581.22	156.35	-9.048	0.000	0.121
170.00	-3.76	-6.99	0.00	-53.72	0.00	53.72	1275.17	305.02	548.78	559.24	160.13	-9.079	0.000	0.100
172.00	-3.65	-6.77	0.00	-39.74	0.00	39.74	1251.65	298.01	523.85	536.17	163.92	-9.105	0.000	0.078
174.00	-3.53	-6.55	0.00	-26.20	0.00	26.20	1222.21	291.00	499.51	511.11	167.72	-9.124	0.000	0.055
176.00	-3.42	-6.34	0.00	-13.09	0.00	13.09	1192.78	284.00	475.74	486.64	171.53	-9.137	0.000	0.030
178.00	-0.10	-0.20	0.00	-0.41	0.00	0.41	1163.35	276.99	452.55	462.78	175.35	-9.141	0.000	0.001
180.00	0.00	-0.18	0.00	0.00	0.00	0.00	1133.92	269.98	429.95	439.52	179.16	-9.142	0.000	0.000

Wind Loading - Shaft

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 29

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	31.009	34.11	603.99	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	31.009	34.11	599.16	0.950	0.000	2.00	10.655	10.12	345.3	0.0	529.1
4.00		1.00	0.85	31.009	34.11	594.33	0.950	0.000	2.00	10.569	10.04	342.5	0.0	524.8
6.00		1.00	0.85	31.009	34.11	589.49	0.950	0.000	2.00	10.484	9.96	339.7	0.0	520.5
8.00		1.00	0.85	31.009	34.11	584.66	0.950	0.000	2.00	10.398	9.88	337.0	0.0	516.2
10.00		1.00	0.85	31.009	34.11	579.83	0.950	0.000	2.00	10.313	9.80	334.2	0.0	511.9
12.00		1.00	0.85	31.009	34.11	575.00	0.950	0.000	2.00	10.227	9.72	331.4	0.0	507.7
14.00		1.00	0.85	31.009	34.11	570.17	0.950	0.000	2.00	10.142	9.63	328.6	0.0	503.4
16.00		1.00	0.86	31.392	34.53	568.81	0.950	0.000	2.00	10.056	9.55	329.9	0.0	499.1
18.00		1.00	0.88	32.180	35.40	570.99	0.950	0.000	2.00	9.970	9.47	335.3	0.0	494.8
20.00		1.00	0.90	32.902	36.19	572.38	0.950	0.000	2.00	9.885	9.39	339.9	0.0	490.5
22.00		1.00	0.92	33.569	36.93	573.12	0.950	0.000	2.00	9.799	9.31	343.8	0.0	486.3
24.00		1.00	0.94	34.189	37.61	573.32	0.950	0.000	2.00	9.714	9.23	347.0	0.0	482.0
26.00		1.00	0.95	34.770	38.25	573.06	0.950	0.000	2.00	9.628	9.15	349.8	0.0	477.7
28.00		1.00	0.97	35.317	38.85	572.39	0.950	0.000	2.00	9.542	9.07	352.2	0.0	473.4
30.00		1.00	0.98	35.834	39.42	571.37	0.950	0.000	2.00	9.457	8.98	354.1	0.0	469.1
32.00		1.00	1.00	36.324	39.96	570.03	0.950	0.000	2.00	9.371	8.90	355.7	0.0	464.9
34.00		1.00	1.01	36.791	40.47	568.42	0.950	0.000	2.00	9.286	8.82	357.0	0.0	460.6
36.00		1.00	1.02	37.236	40.96	566.55	0.950	0.000	2.00	9.200	8.74	358.0	0.0	456.3
38.00		1.00	1.03	37.662	41.43	564.46	0.950	0.000	2.00	9.115	8.66	358.7	0.0	452.0
40.00		1.00	1.04	38.071	41.88	562.16	0.950	0.000	2.00	9.029	8.58	359.2	0.0	447.7
42.00		1.00	1.05	38.464	42.31	559.68	0.950	0.000	2.00	8.943	8.50	359.5	0.0	443.5
43.92	Bot - Section 2	1.00	1.06	38.827	42.71	557.13	0.950	0.000	1.92	8.490	8.07	344.5	0.0	421.0
44.00		1.00	1.06	38.843	42.73	557.02	0.950	0.000	0.08	0.373	0.35	15.1	0.0	35.4
46.00		1.00	1.07	39.208	43.13	554.19	0.950	0.000	2.00	8.912	8.47	365.2	0.0	845.5
48.00		1.00	1.08	39.561	43.52	551.23	0.950	0.000	2.00	8.827	8.39	364.9	0.0	837.2
50.00		1.00	1.09	39.902	43.89	548.12	0.950	0.000	2.00	8.741	8.30	364.5	0.0	829.0
51.00	Top - Section 1	1.00	1.10	40.069	44.08	546.52	0.950	0.000	1.00	4.339	4.12	181.7	0.0	411.4
52.00		1.00	1.10	40.233	44.26	553.90	0.950	0.000	1.00	4.317	4.10	181.5	0.0	198.8
54.00		1.00	1.11	40.554	44.61	550.58	0.950	0.000	2.00	8.570	8.14	363.2	0.0	394.7
56.00		1.00	1.12	40.866	44.95	547.14	0.950	0.000	2.00	8.485	8.06	362.3	0.0	390.7
58.00		1.00	1.13	41.169	45.29	543.60	0.950	0.000	2.00	8.399	7.98	361.3	0.0	386.8
60.00		1.00	1.14	41.464	45.61	539.95	0.950	0.000	2.00	8.313	7.90	360.2	0.0	382.8
62.00		1.00	1.14	41.751	45.93	536.21	0.950	0.000	2.00	8.228	7.82	359.0	0.0	378.8
64.00		1.00	1.15	42.031	46.23	532.38	0.950	0.000	2.00	8.142	7.74	357.6	0.0	374.8
66.00		1.00	1.16	42.304	46.53	528.47	0.950	0.000	2.00	8.057	7.65	356.2	0.0	370.9
68.00		1.00	1.17	42.571	46.83	524.47	0.950	0.000	2.00	7.971	7.57	354.6	0.0	366.9
70.00		1.00	1.17	42.831	47.11	520.39	0.950	0.000	2.00	7.885	7.49	352.9	0.0	362.9
72.00		1.00	1.18	43.086	47.39	516.24	0.950	0.000	2.00	7.800	7.41	351.2	0.0	358.9
74.00		1.00	1.19	43.335	47.67	512.02	0.950	0.000	2.00	7.714	7.33	349.3	0.0	355.0
76.00		1.00	1.19	43.579	47.94	507.73	0.950	0.000	2.00	7.629	7.25	347.4	0.0	351.0
78.00		1.00	1.20	43.818	48.20	503.38	0.950	0.000	2.00	7.543	7.17	345.4	0.0	347.0
80.00		1.00	1.21	44.053	48.46	498.96	0.950	0.000	2.00	7.458	7.08	343.3	0.0	343.0
82.00		1.00	1.21	44.282	48.71	494.49	0.950	0.000	2.00	7.372	7.00	341.1	0.0	339.1
84.00		1.00	1.22	44.507	48.96	489.96	0.950	0.000	2.00	7.286	6.92	338.9	0.0	335.1
86.00		1.00	1.23	44.728	49.20	485.37	0.950	0.000	2.00	7.201	6.84	336.6	0.0	331.1
88.00		1.00	1.23	44.945	49.44	480.73	0.950	0.000	2.00	7.115	6.76	334.2	0.0	327.1

Wind Loading - Shaft

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1

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

7/11/2023

Tower Engineering Solutions

90.00	1.00	1.24	45.159	49.67	476.03	0.950	0.000	2.00	7.030	6.68	331.7	0.0	323.2
90.17 Bot - Section 3	1.00	1.24	45.176	49.69	475.64	0.950	0.000	0.17	0.582	0.55	27.5	0.0	26.8
92.00	1.00	1.24	45.368	49.90	471.29	0.950	0.000	1.83	6.471	6.15	306.8	0.0	544.6
94.00	1.00	1.25	45.574	50.13	466.50	0.950	0.000	2.00	6.977	6.63	332.3	0.0	587.0
96.00 Top - Section 2	1.00	1.25	45.776	50.35	461.67	0.950	0.000	2.00	6.891	6.55	329.7	0.0	579.7
98.00	1.00	1.26	45.975	50.57	464.94	0.950	0.000	2.00	6.806	6.47	327.0	0.0	265.1
100.00	1.00	1.27	46.171	50.79	460.03	0.950	0.000	2.00	6.720	6.38	324.2	0.0	261.7
102.00	1.00	1.27	46.364	51.00	455.09	0.950	0.000	2.00	6.635	6.30	321.5	0.0	258.4
104.00	1.00	1.28	46.554	51.21	450.10	0.950	0.000	2.00	6.549	6.22	318.6	0.0	255.0
106.00	1.00	1.28	46.741	51.42	445.07	0.950	0.000	2.00	6.464	6.14	315.7	0.0	251.6
108.00	1.00	1.29	46.926	51.62	440.00	0.950	0.000	2.00	6.378	6.06	312.8	0.0	248.3
110.00	1.00	1.29	47.107	51.82	434.90	0.950	0.000	2.00	6.292	5.98	309.8	0.0	244.9
112.00	1.00	1.30	47.286	52.01	429.75	0.950	0.000	2.00	6.207	5.90	306.7	0.0	241.5
114.00	1.00	1.30	47.463	52.21	424.58	0.950	0.000	2.00	6.121	5.82	303.6	0.0	238.2
116.00	1.00	1.31	47.637	52.40	419.37	0.950	0.000	2.00	6.036	5.73	300.5	0.0	234.8
118.00	1.00	1.31	47.809	52.59	414.12	0.950	0.000	2.00	5.950	5.65	297.3	0.0	231.5
120.00	1.00	1.32	47.978	52.78	408.85	0.950	0.000	2.00	5.864	5.57	294.0	0.0	228.1
122.00	1.00	1.32	48.145	52.96	403.54	0.950	0.000	2.00	5.779	5.49	290.7	0.0	224.7
124.00	1.00	1.32	48.310	53.14	398.20	0.950	0.000	2.00	5.693	5.41	287.4	0.0	221.4
126.00	1.00	1.33	48.473	53.32	392.83	0.950	0.000	2.00	5.608	5.33	284.1	0.0	218.0
128.00	1.00	1.33	48.634	53.50	387.43	0.950	0.000	2.00	5.522	5.25	280.7	0.0	214.6
130.00	1.00	1.34	48.793	53.67	382.00	0.950	0.000	2.00	5.437	5.16	277.2	0.0	211.3
132.00	1.00	1.34	48.950	53.85	376.54	0.950	0.000	2.00	5.351	5.08	273.7	0.0	207.9
133.33 Bot - Section 4	1.00	1.34	49.054	53.96	372.89	0.950	0.000	1.33	3.520	3.34	180.4	0.0	136.7
134.00	1.00	1.35	49.106	54.02	371.06	0.950	0.000	0.67	1.774	1.69	91.1	0.0	118.1
136.00	1.00	1.35	49.259	54.19	365.55	0.950	0.000	2.00	5.266	5.00	271.1	0.0	350.4
138.00 Top - Section 3	1.00	1.35	49.411	54.35	360.01	0.950	0.000	2.00	5.181	4.92	267.5	0.0	344.6
140.00 Appurtenance(s)	1.00	1.36	49.561	54.52	360.61	0.950	0.000	2.00	5.095	4.84	263.9	0.0	144.4
142.00	1.00	1.36	49.709	54.68	355.03	0.950	0.000	2.00	5.009	4.76	260.2	0.0	141.9
144.00	1.00	1.37	49.855	54.84	349.42	0.950	0.000	2.00	4.924	4.68	256.5	0.0	139.5
146.00	1.00	1.37	50.000	55.00	343.80	0.950	0.000	2.00	4.838	4.60	252.8	0.0	137.0
148.00	1.00	1.37	50.144	55.16	338.14	0.950	0.000	2.00	4.753	4.51	249.0	0.0	134.6
150.00 Appurtenance(s)	1.00	1.38	50.286	55.31	332.47	0.950	0.000	2.00	4.667	4.43	245.2	0.0	132.1
152.00	1.00	1.38	50.426	55.47	326.77	0.950	0.000	2.00	4.581	4.35	241.4	0.0	129.7
154.00	1.00	1.39	50.565	55.62	321.05	0.950	0.000	2.00	4.496	4.27	237.6	0.0	127.2
156.00	1.00	1.39	50.703	55.77	315.31	0.950	0.000	2.00	4.410	4.19	233.7	0.0	124.8
158.00 Appurtenance(s)	1.00	1.39	50.839	55.92	309.54	0.950	0.000	2.00	4.325	4.11	229.8	0.0	122.3
160.00	1.00	1.40	50.974	56.07	303.76	0.950	0.000	2.00	4.239	4.03	225.8	0.0	119.9
162.00	1.00	1.40	51.107	56.22	297.95	0.950	0.000	2.00	4.154	3.95	221.8	0.0	117.5
164.00	1.00	1.40	51.239	56.36	292.13	0.950	0.000	2.00	4.068	3.86	217.8	0.0	115.0
166.00 Appurtenance(s)	1.00	1.41	51.370	56.51	286.28	0.950	0.000	2.00	3.982	3.78	213.8	0.0	112.6
168.00	1.00	1.41	51.500	56.65	280.42	0.950	0.000	2.00	3.897	3.70	209.7	0.0	110.1
170.00	1.00	1.42	51.628	56.79	274.53	0.950	0.000	2.00	3.811	3.62	205.6	0.0	107.7
172.00	1.00	1.42	51.756	56.93	268.63	0.950	0.000	2.00	3.726	3.54	201.5	0.0	105.2
174.00	1.00	1.42	51.882	57.07	262.70	0.950	0.000	2.00	3.640	3.46	197.3	0.0	102.8
176.00	1.00	1.43	52.007	57.21	256.76	0.950	0.000	2.00	3.554	3.38	193.2	0.0	100.3
178.00 Appurtenance(s)	1.00	1.43	52.131	57.34	250.80	0.950	0.000	2.00	3.469	3.30	189.0	0.0	97.9
180.00	1.00	1.43	52.253	57.48	244.83	0.950	0.000	2.00	3.383	3.21	184.7	0.0	95.4
							Totals:	**180.00**			**27,684.8**		**30,072.5**

Discrete Appurtenance Forces

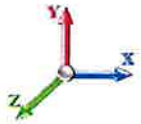
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

TES Tower Engineering Solutions

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 29

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	BSF0020F3V1-1	2	52.131	57.344	0.68	0.75	1.30	31.68	0.000	0.000	74.32	0.00	0.00
2	178.00	VZS01	3	52.131	57.344	0.52	0.75	6.68	235.17	0.000	0.000	382.81	0.00	0.00
3	178.00	Platform w/ Handrails w/	1	52.131	57.344	1.00	1.00	40.00	1981.98	0.000	0.000	2293.75	0.00	0.00
4	178.00	Raycap	1	52.131	57.344	0.75	0.75	1.96	28.80	0.000	0.000	112.25	0.00	0.00
5	178.00	Samsung B5/B13 RRH	3	52.131	57.344	0.38	0.75	2.50	189.81	0.000	0.000	143.22	0.00	0.00
6	178.00	Samsung B2/B66A RRH	3	52.131	57.344	0.38	0.75	2.11	227.88	0.000	0.000	121.28	0.00	0.00
7	178.00	JMA MX06FRO660-03	6	52.131	57.344	0.65	0.75	38.64	324.00	0.000	0.000	2215.82	0.00	0.00
8	178.00	91900314	3	52.131	57.344	1.00	1.00	0.00	68.45	0.000	0.000	0.00	0.00	0.00
9	166.00	Sitepro	1	51.370	56.507	0.75	0.75	5.03	207.00	0.000	0.000	283.95	0.00	0.00
10	166.00	Sitepro	1	51.370	56.507	0.75	0.75	5.25	365.95	0.000	0.000	296.66	0.00	0.00
11	166.00	RFS APXVTM14-C-I20	3	51.370	56.507	0.58	0.75	10.98	151.74	0.000	0.000	620.68	0.00	0.00
12	166.00	Platform w/ Hand Rails	1	51.370	56.507	1.00	1.00	40.00	1800.00	0.000	0.000	2260.29	0.00	0.00
13	166.00	ALU 800 Mhz	6	51.370	56.507	0.38	0.75	5.60	286.20	0.000	0.000	316.58	0.00	0.00
14	166.00	Commscope	3	51.370	56.507	0.55	0.75	20.43	208.98	0.000	0.000	1154.42	0.00	0.00
15	166.00	ALU 1900 Mhz	3	51.370	56.507	0.38	0.75	4.27	118.80	0.000	0.000	241.57	0.00	0.00
16	166.00	ALU TD-RRH8x20-25	3	51.370	56.507	0.38	0.75	4.56	189.00	0.000	0.000	257.46	0.00	0.00
17	158.00	V-Brace	1	50.839	55.923	0.75	0.75	3.97	177.30	0.000	0.000	222.29	0.00	0.00
18	158.00	T-Arm Kit	3	50.839	55.923	0.56	0.75	6.75	1350.00	0.000	0.000	377.48	0.00	0.00
19	158.00	4449 B71+B12	3	50.974	56.071	0.40	0.80	1.98	189.00	0.000	2.000	111.02	0.00	222.04
20	158.00	KRY 112 144/2	3	50.974	56.071	0.40	0.80	0.78	41.58	0.000	2.000	43.74	0.00	87.47
21	158.00	KRY 112 489/2	3	50.974	56.071	0.40	0.80	0.78	41.58	0.000	2.000	43.74	0.00	87.47
22	158.00	APXVAARR24_43-U-NA2	3	50.974	56.071	0.56	0.80	34.00	345.60	0.000	2.000	1906.59	0.00	3813.19
23	158.00	RR90-17-00VDPL2/-R	3	50.974	56.071	0.54	0.80	7.12	36.45	0.000	2.000	398.97	0.00	797.95
24	158.00	T-Arms	3	50.839	55.923	0.56	0.75	13.50	945.00	0.000	0.000	754.96	0.00	0.00
25	150.00	DMP65R-BU6DA	2	50.286	55.314	0.54	0.75	13.73	142.92	0.000	0.000	759.29	0.00	0.00
26	150.00	Powerwave 7770	3	50.286	55.314	0.55	0.75	9.05	94.50	0.000	0.000	500.60	0.00	0.00
27	150.00	DMP65R-BU4DA	1	50.286	55.314	0.54	0.75	6.86	71.46	0.000	0.000	379.64	0.00	0.00
28	150.00	Powerwave LGP21401	6	50.286	55.314	0.38	0.75	2.75	76.14	0.000	0.000	151.84	0.00	0.00
29	150.00	B2 B66A 8843	3	50.286	55.314	0.38	0.75	1.84	189.00	0.000	0.000	102.05	0.00	0.00
30	150.00	Raycap DC6-48-60-18-8F	1	50.286	55.314	0.50	0.75	0.91	28.62	0.000	0.000	50.31	0.00	0.00
31	150.00	Platform w/ Hand Rail	1	50.286	55.314	1.00	1.00	35.00	1440.00	0.000	0.000	1936.00	0.00	0.00
32	150.00	Cci HPA-65R-BUU-H6	2	50.286	55.314	0.64	0.75	12.32	91.80	0.000	0.000	681.28	0.00	0.00
33	150.00	SBNHH-1D65A	1	50.286	55.314	0.62	0.75	3.66	30.15	0.000	0.000	202.47	0.00	0.00
34	150.00	4449 B5/B12	3	50.286	55.314	0.38	0.75	2.22	191.70	0.000	0.000	122.59	0.00	0.00
35	140.00	Raycap	1	49.561	54.517	0.75	0.75	1.51	19.71	0.000	0.000	82.18	0.00	0.00
36	140.00	Fujitsu TA08025-B604	3	49.561	54.517	0.38	0.75	2.21	172.53	0.000	0.000	120.21	0.00	0.00
37	140.00	Fujitsu TA08025-B605	3	49.561	54.517	0.38	0.75	2.21	202.50	0.000	0.000	120.21	0.00	0.00
38	140.00	Sitepro1 SNP8HR-3XX	1	49.561	54.517	1.00	1.00	37.59	1688.40	0.000	0.000	2049.28	0.00	0.00
39	140.00	JMA Wireless	3	49.561	54.517	0.55	0.75	20.80	174.15	0.000	0.000	1133.72	0.00	0.00
							Totals:		**14,155.52**			**23,025.53**		

Total Applied Force Summary

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

TES Tower Engineering Solutions

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 29

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		345.27	531.42	0.00	0.00
4.00		342.50	554.49	0.00	0.00
6.00		339.73	577.56	0.00	0.00
8.00		336.95	573.28	0.00	0.00
10.00		334.18	569.00	0.00	0.00
12.00		331.41	564.72	0.00	0.00
14.00		328.63	560.44	0.00	0.00
16.00		329.88	556.16	0.00	0.00
18.00		335.29	551.88	0.00	0.00
20.00		339.86	547.60	0.00	0.00
22.00		343.75	543.32	0.00	0.00
24.00		347.05	539.04	0.00	0.00
26.00		349.84	534.76	0.00	0.00
28.00		352.18	530.48	0.00	0.00
30.00		354.13	526.20	0.00	0.00
32.00		355.72	521.92	0.00	0.00
34.00		357.00	517.64	0.00	0.00
36.00		357.99	513.36	0.00	0.00
38.00		358.72	509.08	0.00	0.00
40.00		359.21	504.80	0.00	0.00
42.00		359.48	500.52	0.00	0.00
43.92		344.50	475.65	0.00	0.00
44.00		15.15	37.79	0.00	0.00
46.00		365.16	902.56	0.00	0.00
48.00		364.91	894.31	0.00	0.00
50.00		364.49	886.05	0.00	0.00
51.00		181.66	439.93	0.00	0.00
52.00		181.51	227.37	0.00	0.00
54.00		363.19	451.76	0.00	0.00
56.00		362.33	447.79	0.00	0.00
58.00		361.33	443.81	0.00	0.00
60.00		360.21	439.84	0.00	0.00
62.00		358.98	435.86	0.00	0.00
64.00		357.62	431.89	0.00	0.00
66.00		356.16	427.92	0.00	0.00
68.00		354.60	423.94	0.00	0.00
70.00		352.94	419.97	0.00	0.00
72.00		351.19	415.99	0.00	0.00
74.00		349.34	412.02	0.00	0.00
76.00		347.41	408.05	0.00	0.00
78.00		345.40	404.07	0.00	0.00
80.00		343.31	400.10	0.00	0.00
82.00		341.14	396.12	0.00	0.00
84.00		338.89	392.15	0.00	0.00
86.00		336.57	388.18	0.00	0.00
88.00		334.19	384.20	0.00	0.00

Total Applied Force Summary

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Tower Engineering Solutions

90.00		331.73	380.23	0.00	0.00
90.17		27.47	31.51	0.00	0.00
92.00		306.78	596.86	0.00	0.00
94.00		332.28	644.09	0.00	0.00
96.00		329.66	636.75	0.00	0.00
98.00		326.99	322.14	0.00	0.00
100.00		324.25	318.78	0.00	0.00
102.00		321.46	315.42	0.00	0.00
104.00		318.61	312.05	0.00	0.00
106.00		315.71	308.69	0.00	0.00
108.00		312.76	305.33	0.00	0.00
110.00		309.76	301.97	0.00	0.00
112.00		306.70	298.60	0.00	0.00
114.00		303.61	295.24	0.00	0.00
116.00		300.46	291.88	0.00	0.00
118.00		297.27	288.52	0.00	0.00
120.00		294.03	285.15	0.00	0.00
122.00		290.75	281.79	0.00	0.00
124.00		287.42	278.43	0.00	0.00
126.00		284.06	275.07	0.00	0.00
128.00		280.65	271.70	0.00	0.00
130.00		277.21	268.34	0.00	0.00
132.00		273.72	264.98	0.00	0.00
133.33		180.43	174.78	0.00	0.00
134.00		91.05	137.12	0.00	0.00
136.00		271.08	407.50	0.00	0.00
138.00		267.49	401.69	0.00	0.00
140.00	(11) attachments	3769.48	2458.71	0.00	0.00
142.00		260.21	197.17	0.00	0.00
144.00		256.52	194.73	0.00	0.00
146.00		252.80	192.28	0.00	0.00
148.00		249.04	189.83	0.00	0.00
150.00	(23) attachments	5131.32	2543.68	0.00	0.00
152.00		241.42	167.00	0.00	0.00
154.00		237.56	164.55	0.00	0.00
156.00		233.68	162.11	0.00	0.00
158.00	(22) attachments	4088.54	3286.17	0.00	5008.12
160.00		225.81	157.22	0.00	0.00
162.00		221.83	130.43	0.00	0.00
164.00		217.82	127.99	0.00	0.00
166.00	(21) attachments	5645.39	3453.21	0.00	0.00
168.00		209.71	116.23	0.00	0.00
170.00		205.62	113.78	0.00	0.00
172.00		201.50	111.34	0.00	0.00
174.00		197.35	108.89	0.00	0.00
176.00		193.17	106.45	0.00	0.00
178.00	(22) attachments	5532.42	3191.77	0.00	0.00
180.00		184.74	97.81	0.00	0.00
	Totals:	**50,710.31**	**48,680.89**	**0.00**	**5,008.12**

Linear Appurtenance Segment Forces (Factored)

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 123 mph Wind
Dead Load Factor 0.90
Wind Load Factor 1.00

Iterations 29

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)
4.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.014	0.000	31.009	0.00	0.90
6.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	31.009	0.00	1.80
8.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	31.009	0.00	1.80
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	31.009	0.00	1.80
12.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	31.009	0.00	1.80
14.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	31.009	0.00	1.80
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	31.392	0.00	1.80
18.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	32.180	0.00	1.80
20.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	32.902	0.00	1.80
22.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	33.569	0.00	1.80
24.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	34.189	0.00	1.80
26.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	34.770	0.00	1.80
28.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	35.317	0.00	1.80
30.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	35.834	0.00	1.80
32.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	36.324	0.00	1.80
34.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	36.791	0.00	1.80
36.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	37.236	0.00	1.80
38.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	37.662	0.00	1.80
40.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	38.071	0.00	1.80
42.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	38.464	0.00	1.80
43.92	1.75" Hybrid	Yes	1.92	0.000	1.75	0.28	0.00	0.033	0.000	38.827	0.00	1.73
44.00	1.75" Hybrid	Yes	0.08	0.000	1.75	0.01	0.00	0.033	0.000	38.843	0.00	0.07
46.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	39.208	0.00	1.80
48.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	39.561	0.00	1.80
50.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	39.902	0.00	1.80
51.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.034	0.000	40.069	0.00	0.90
52.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.034	0.000	40.233	0.00	0.90
54.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	40.554	0.00	1.80
56.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	40.866	0.00	1.80
58.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	41.169	0.00	1.80
60.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	41.464	0.00	1.80
62.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	41.751	0.00	1.80
64.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	42.031	0.00	1.80
66.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	42.304	0.00	1.80
68.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	42.571	0.00	1.80
70.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	42.831	0.00	1.80
72.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	43.086	0.00	1.80
74.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	43.335	0.00	1.80
76.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	43.579	0.00	1.80
78.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	43.818	0.00	1.80
80.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	44.053	0.00	1.80
82.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	44.282	0.00	1.80
84.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	44.507	0.00	1.80
86.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	44.728	0.00	1.80
88.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	44.945	0.00	1.80
90.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	45.159	0.00	1.80
90.17	1.75" Hybrid	Yes	0.17	0.000	1.75	0.02	0.00	0.042	0.000	45.176	0.00	0.15

Linear Appurtenance Segment Forces (Factored)

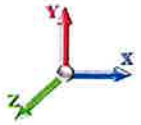
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 29

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
92.00	1.75" Hybrid	Yes	1.83	0.000	1.75	0.27	0.00	0.042	0.000	45.368	0.00	1.65
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	45.574	0.00	1.80
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	45.776	0.00	1.80
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	45.975	0.00	1.80
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	46.171	0.00	1.80
102.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	46.364	0.00	1.80
104.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	46.554	0.00	1.80
106.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	46.741	0.00	1.80
108.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	46.926	0.00	1.80
110.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	47.107	0.00	1.80
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	47.286	0.00	1.80
114.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	47.463	0.00	1.80
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	47.637	0.00	1.80
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	47.809	0.00	1.80
120.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	47.978	0.00	1.80
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	48.145	0.00	1.80
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	48.310	0.00	1.80
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.052	0.000	48.473	0.00	1.80
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.053	0.000	48.634	0.00	1.80
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.054	0.000	48.793	0.00	1.80
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.055	0.000	48.950	0.00	1.80
133.33	1.75" Hybrid	Yes	1.33	0.000	1.75	0.19	0.00	0.055	0.000	49.054	0.00	1.20
134.00	1.75" Hybrid	Yes	0.67	0.000	1.75	0.10	0.00	0.056	0.000	49.106	0.00	0.60
136.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.056	0.000	49.259	0.00	1.80
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.057	0.000	49.411	0.00	1.80
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.057	0.000	49.561	0.00	1.80
										Totals:	**0.0**	**123.3**

Calculated Forces

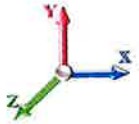
Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

Tower Engineering Solutions

Load Case: 0.9D + 1.0W 123 mph Wind
Dead Load Factor 0.90
Wind Load Factor 1.00



Iterations 29

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-48.64	-50.75	0.00	-6241.0	0.00	6241.04	5123.29	1522.04	7808.40	6435.29	0.00	0.000	0.000	0.980
2.00	-48.04	-50.47	0.00	-6139.5	0.00	6139.55	5107.67	1509.78	7683.09	6363.61	0.02	-0.084	0.000	0.975
4.00	-47.41	-50.20	0.00	-6038.6	0.00	6038.61	5091.62	1497.52	7558.79	6291.73	0.07	-0.169	0.000	0.970
6.00	-46.76	-49.93	0.00	-5938.2	0.00	5938.21	5075.16	1485.26	7435.50	6219.67	0.16	-0.254	0.000	0.965
8.00	-46.11	-49.66	0.00	-5838.3	0.00	5838.36	5058.29	1472.99	7313.22	6147.44	0.29	-0.340	0.000	0.960
10.00	-45.47	-49.39	0.00	-5739.0	0.00	5739.05	5041.00	1460.73	7191.96	6075.05	0.45	-0.426	0.000	0.955
12.00	-44.83	-49.12	0.00	-5640.2	0.00	5640.28	5023.29	1448.47	7071.72	6002.51	0.65	-0.514	0.000	0.950
14.00	-44.20	-48.85	0.00	-5542.0	0.00	5542.04	5005.16	1436.20	6952.48	5929.84	0.88	-0.602	0.000	0.945
16.00	-43.57	-48.59	0.00	-5444.3	0.00	5444.34	4986.62	1423.94	6834.27	5857.05	1.15	-0.690	0.000	0.939
18.00	-42.95	-48.31	0.00	-5347.1	0.00	5347.17	4967.66	1411.68	6717.06	5784.16	1.46	-0.780	0.000	0.934
20.00	-42.33	-48.03	0.00	-5250.5	0.00	5250.55	4948.29	1399.42	6600.87	5711.17	1.81	-0.870	0.000	0.929
22.00	-41.72	-47.74	0.00	-5154.4	0.00	5154.49	4928.49	1387.15	6485.69	5638.10	2.19	-0.961	0.000	0.924
24.00	-41.11	-47.45	0.00	-5059.0	0.00	5059.01	4908.28	1374.89	6371.53	5564.95	2.62	-1.052	0.000	0.919
26.00	-40.50	-47.16	0.00	-4964.1	0.00	4964.10	4887.66	1362.63	6258.37	5491.76	3.08	-1.144	0.000	0.913
28.00	-39.90	-46.86	0.00	-4869.7	0.00	4869.79	4866.62	1350.36	6146.24	5418.52	3.58	-1.237	0.000	0.908
30.00	-39.31	-46.56	0.00	-4776.0	0.00	4776.07	4845.16	1338.10	6035.11	5345.24	4.12	-1.331	0.000	0.903
32.00	-38.72	-46.25	0.00	-4682.9	0.00	4682.95	4823.28	1325.84	5925.00	5271.95	4.69	-1.425	0.000	0.898
34.00	-38.14	-45.95	0.00	-4590.4	0.00	4590.45	4800.99	1313.58	5815.91	5198.66	5.31	-1.520	0.000	0.892
36.00	-37.56	-45.64	0.00	-4498.5	0.00	4498.55	4778.28	1301.31	5707.83	5125.37	5.97	-1.616	0.000	0.887
38.00	-36.98	-45.33	0.00	-4407.2	0.00	4407.27	4755.15	1289.05	5600.76	5052.10	6.67	-1.713	0.000	0.881
40.00	-36.41	-45.02	0.00	-4316.6	0.00	4316.62	4731.61	1276.79	5494.70	4978.87	7.41	-1.810	0.000	0.876
42.00	-35.85	-44.70	0.00	-4226.5	0.00	4226.59	4707.65	1264.52	5389.66	4905.68	8.19	-1.909	0.000	0.870
43.92	-35.34	-44.37	0.00	-4140.9	0.00	4140.91	4684.30	1252.77	5289.95	4835.60	8.97	-2.003	0.000	0.865
44.00	-35.27	-44.39	0.00	-4137.2	0.00	4137.21	4683.27	1252.26	5285.64	4832.55	9.01	-2.008	0.000	0.865
46.00	-34.30	-44.05	0.00	-4048.4	0.00	4048.44	4658.48	1240.00	5182.62	4759.49	9.87	-2.107	0.000	0.859
48.00	-33.34	-43.71	0.00	-3960.3	0.00	3960.34	4633.27	1227.74	5080.62	4686.52	10.77	-2.208	0.000	0.854
50.00	-32.42	-43.35	0.00	-3872.9	0.00	3872.92	4607.64	1215.47	4979.64	4613.64	11.72	-2.309	0.000	0.848
51.00	-31.95	-43.18	0.00	-3829.5	0.00	3829.57	4157.28	1142.33	4736.69	4216.21	12.21	-2.360	0.000	0.917
52.00	-31.67	-43.04	0.00	-3786.3	0.00	3786.39	4146.96	1136.64	4689.60	4184.61	12.71	-2.412	0.000	0.914
54.00	-31.15	-42.71	0.00	-3700.3	0.00	3700.32	4126.01	1125.25	4596.10	4121.41	13.74	-2.517	0.000	0.907
56.00	-30.64	-42.39	0.00	-3614.9	0.00	3614.90	4104.64	1113.86	4503.55	4058.23	14.82	-2.623	0.000	0.900
58.00	-30.14	-42.06	0.00	-3530.1	0.00	3530.13	4082.85	1102.48	4411.95	3995.08	15.94	-2.729	0.000	0.892
60.00	-29.64	-41.74	0.00	-3446.0	0.00	3446.01	4060.64	1091.09	4321.28	3931.97	17.11	-2.837	0.000	0.885
62.00	-29.14	-41.41	0.00	-3362.5	0.00	3362.54	4038.02	1079.70	4231.55	3868.91	18.32	-2.945	0.000	0.878
64.00	-28.65	-41.08	0.00	-3279.7	0.00	3279.72	4014.98	1068.31	4142.77	3805.92	19.58	-3.053	0.000	0.870
66.00	-28.17	-40.76	0.00	-3197.5	0.00	3197.55	3991.52	1056.93	4054.92	3743.01	20.88	-3.163	0.000	0.863
68.00	-27.68	-40.44	0.00	-3116.0	0.00	3116.03	3967.65	1045.54	3968.02	3680.19	22.23	-3.273	0.000	0.855
70.00	-27.21	-40.11	0.00	-3035.1	0.00	3035.16	3943.36	1034.15	3882.06	3617.47	23.62	-3.384	0.000	0.847
72.00	-26.74	-39.79	0.00	-2954.9	0.00	2954.94	3918.66	1022.77	3797.04	3554.87	25.06	-3.496	0.000	0.840
74.00	-26.27	-39.47	0.00	-2875.3	0.00	2875.37	3893.54	1011.38	3712.96	3492.40	26.55	-3.608	0.000	0.832
76.00	-25.81	-39.14	0.00	-2796.4	0.00	2796.43	3868.00	999.99	3629.83	3430.07	28.09	-3.721	0.000	0.823
78.00	-25.35	-38.82	0.00	-2718.1	0.00	2718.15	3842.04	988.61	3547.63	3367.90	29.67	-3.835	0.000	0.815
80.00	-24.90	-38.50	0.00	-2640.5	0.00	2640.50	3815.67	977.22	3466.38	3305.90	31.30	-3.949	0.000	0.807
82.00	-24.45	-38.19	0.00	-2563.4	0.00	2563.49	3788.88	965.83	3386.07	3244.07	32.98	-4.064	0.000	0.798
84.00	-24.00	-37.87	0.00	-2487.1	0.00	2487.12	3761.67	954.44	3306.69	3182.44	34.71	-4.180	0.000	0.789
86.00	-23.57	-37.55	0.00	-2411.3	0.00	2411.39	3734.05	943.06	3228.26	3121.02	36.48	-4.296	0.000	0.781
88.00	-23.13	-37.24	0.00	-2336.2	0.00	2336.29	3706.01	931.67	3150.77	3059.82	38.30	-4.413	0.000	0.771
90.00	-22.74	-36.90	0.00	-2261.8	0.00	2261.82	3677.55	920.28	3074.23	2998.84	40.18	-4.530	0.000	0.762

Calculated Forces

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Tower Engineering Solutions

90.17	-22.67	-36.89	0.00	-2255.6	0.00	2255.67	3675.16	919.33	3067.89	2993.77	40.33	-4.540	0.000	0.761
92.00	-22.03	-36.58	0.00	-2188.0	0.00	2188.03	3648.68	908.90	2998.62	2938.12	42.10	-4.648	0.000	0.752
94.00	-21.34	-36.24	0.00	-2114.8	0.00	2114.86	3619.39	897.51	2923.96	2877.64	44.07	-4.766	0.000	0.742
96.00	-20.66	-35.91	0.00	-2042.3	0.00	2042.37	2873.56	764.37	2506.37	2303.28	46.09	-4.885	0.000	0.896
98.00	-20.29	-35.60	0.00	-1970.5	0.00	1970.56	2853.66	754.73	2443.58	2258.25	48.16	-5.004	0.000	0.882
100.00	-19.92	-35.29	0.00	-1899.3	0.00	1899.37	2833.34	745.10	2381.59	2213.29	50.28	-5.136	0.000	0.867
102.00	-19.55	-34.99	0.00	-1828.7	0.00	1828.79	2812.61	735.46	2320.39	2168.43	52.46	-5.269	0.000	0.853
104.00	-19.19	-34.69	0.00	-1758.8	0.00	1758.81	2791.46	725.83	2259.99	2123.68	54.69	-5.403	0.000	0.837
106.00	-18.83	-34.39	0.00	-1689.4	0.00	1689.44	2769.89	716.19	2200.39	2079.04	56.98	-5.536	0.000	0.822
108.00	-18.48	-34.09	0.00	-1620.6	0.00	1620.66	2747.90	706.55	2141.58	2034.53	59.32	-5.669	0.000	0.806
110.00	-18.13	-33.79	0.00	-1552.4	0.00	1552.49	2725.50	696.92	2083.57	1990.17	61.72	-5.801	0.000	0.789
112.00	-17.79	-33.50	0.00	-1484.9	0.00	1484.90	2702.68	687.28	2026.36	1945.97	64.18	-5.934	0.000	0.772
114.00	-17.45	-33.21	0.00	-1417.9	0.00	1417.91	2679.45	677.65	1969.94	1901.93	66.69	-6.066	0.000	0.754
116.00	-17.12	-32.92	0.00	-1351.5	0.00	1351.50	2655.79	668.01	1914.32	1858.08	69.26	-6.197	0.000	0.736
118.00	-16.79	-32.63	0.00	-1285.6	0.00	1285.67	2631.73	658.38	1859.50	1814.42	71.87	-6.328	0.000	0.717
120.00	-16.46	-32.34	0.00	-1220.4	0.00	1220.42	2607.24	648.74	1805.47	1770.96	74.55	-6.458	0.000	0.698
122.00	-16.15	-32.05	0.00	-1155.7	0.00	1155.74	2582.34	639.11	1752.24	1727.73	77.28	-6.586	0.000	0.678
124.00	-15.83	-31.77	0.00	-1091.6	0.00	1091.63	2557.02	629.47	1699.80	1684.74	80.06	-6.713	0.000	0.657
126.00	-15.52	-31.49	0.00	-1028.0	0.00	1028.09	2531.28	619.84	1648.16	1641.98	82.89	-6.839	0.000	0.635
128.00	-15.22	-31.21	0.00	-965.10	0.00	965.10	2505.13	610.20	1597.32	1599.49	85.78	-6.962	0.000	0.612
130.00	-14.92	-30.94	0.00	-902.68	0.00	902.68	2478.56	600.57	1547.28	1557.27	88.71	-7.083	0.000	0.588
132.00	-14.64	-30.66	0.00	-840.81	0.00	840.81	2451.58	590.93	1498.03	1515.33	91.70	-7.202	0.000	0.564
133.33	-14.46	-30.47	0.00	-799.93	0.00	799.93	2433.35	584.51	1465.64	1487.53	93.72	-7.280	0.000	0.546
134.00	-14.30	-30.38	0.00	-779.62	0.00	779.62	2424.17	581.30	1449.58	1473.69	94.73	-7.319	0.000	0.538
136.00	-13.87	-30.09	0.00	-718.86	0.00	718.86	2396.35	571.66	1401.92	1432.35	97.81	-7.432	0.000	0.510
138.00	-13.45	-29.80	0.00	-658.68	0.00	658.68	1545.45	417.14	1026.36	929.77	100.94	-7.541	0.000	0.722
140.00	-11.46	-25.76	0.00	-599.09	0.00	599.09	1531.69	410.13	992.17	905.88	104.12	-7.645	0.000	0.673
142.00	-11.24	-25.50	0.00	-547.58	0.00	547.58	1517.50	403.12	958.56	882.03	107.34	-7.775	0.000	0.632
144.00	-11.03	-25.24	0.00	-496.58	0.00	496.58	1502.90	396.11	925.52	858.22	110.61	-7.900	0.000	0.590
146.00	-10.82	-24.99	0.00	-446.10	0.00	446.10	1487.88	389.11	893.06	834.49	113.94	-8.018	0.000	0.546
148.00	-10.62	-24.73	0.00	-396.13	0.00	396.13	1472.45	382.10	861.19	810.82	117.31	-8.130	0.000	0.500
150.00	-8.80	-19.31	0.00	-346.67	0.00	346.67	1456.60	375.09	829.89	787.25	120.73	-8.234	0.000	0.449
152.00	-8.64	-19.06	0.00	-308.06	0.00	308.06	1440.33	368.08	799.17	763.78	124.19	-8.331	0.000	0.412
154.00	-8.49	-18.81	0.00	-269.94	0.00	269.94	1423.65	361.08	769.03	740.42	127.69	-8.421	0.000	0.373
156.00	-8.33	-18.57	0.00	-232.32	0.00	232.32	1406.55	354.07	739.47	717.20	131.22	-8.504	0.000	0.333
158.00	-5.68	-14.04	0.00	-190.18	0.00	190.18	1389.03	347.06	710.49	694.11	134.79	-8.580	0.000	0.280
160.00	-5.54	-13.80	0.00	-162.09	0.00	162.09	1371.10	340.05	682.09	671.17	138.38	-8.645	0.000	0.247
162.00	-5.43	-13.57	0.00	-134.48	0.00	134.48	1352.75	333.05	654.27	648.41	142.00	-8.704	0.000	0.213
164.00	-5.33	-13.34	0.00	-107.34	0.00	107.34	1333.98	326.04	627.03	625.81	145.65	-8.755	0.000	0.177
166.00	-2.77	-7.23	0.00	-80.67	0.00	80.67	1314.79	319.03	600.37	603.42	149.31	-8.798	0.000	0.136
168.00	-2.68	-7.01	0.00	-66.20	0.00	66.20	1295.19	312.03	574.28	581.22	152.99	-8.833	0.000	0.116
170.00	-2.60	-6.79	0.00	-52.18	0.00	52.18	1275.17	305.02	548.78	559.24	156.68	-8.863	0.000	0.096
172.00	-2.52	-6.58	0.00	-38.59	0.00	38.59	1251.65	298.01	523.85	536.17	160.39	-8.888	0.000	0.074
174.00	-2.44	-6.37	0.00	-25.44	0.00	25.44	1222.21	291.00	499.51	511.11	164.10	-8.907	0.000	0.052
176.00	-2.36	-6.16	0.00	-12.71	0.00	12.71	1192.78	284.00	475.74	486.64	167.82	-8.919	0.000	0.029
178.00	-0.07	-0.20	0.00	-0.40	0.00	0.40	1163.35	276.99	452.55	462.78	171.54	-8.924	0.000	0.001
180.00	0.00	-0.18	0.00	0.00	0.00	0.00	1133.92	269.98	429.95	439.52	175.27	-8.924	0.000	0.000

Wind Loading - Shaft

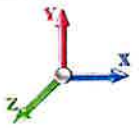
Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

IES Tower Engineering Solutions

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



Iterations 28

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	5.124	5.64	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	5.124	5.64	0.00	1.200	0.756	2.00	10.907	13.09	73.8	121.9	827.3
4.00		1.00	0.85	5.124	5.64	0.00	1.200	0.810	2.00	10.839	13.01	73.3	129.7	829.4
6.00		1.00	0.85	5.124	5.64	0.00	1.200	0.843	2.00	10.765	12.92	72.8	134.1	828.1
8.00		1.00	0.85	5.124	5.64	0.00	1.200	0.868	2.00	10.688	12.83	72.3	136.9	825.2
10.00		1.00	0.85	5.124	5.64	0.00	1.200	0.887	2.00	10.609	12.73	71.8	138.9	821.5
12.00		1.00	0.85	5.124	5.64	0.00	1.200	0.904	2.00	10.528	12.63	71.2	140.4	817.2
14.00		1.00	0.85	5.124	5.64	0.00	1.200	0.918	2.00	10.448	12.54	70.7	141.4	812.6
16.00		1.00	0.86	5.187	5.71	0.00	1.200	0.930	2.00	10.366	12.44	71.0	142.1	807.6
18.00		1.00	0.88	5.318	5.85	0.00	1.200	0.941	2.00	10.284	12.34	72.2	142.6	802.4
20.00		1.00	0.90	5.437	5.98	0.00	1.200	0.951	2.00	10.202	12.24	73.2	142.9	797.0
22.00		1.00	0.92	5.547	6.10	0.00	1.200	0.960	2.00	10.119	12.14	74.1	143.1	791.4
24.00		1.00	0.94	5.650	6.21	0.00	1.200	0.969	2.00	10.037	12.04	74.8	143.1	785.8
26.00		1.00	0.95	5.746	6.32	0.00	1.200	0.976	2.00	9.954	11.94	75.5	143.0	780.0
28.00		1.00	0.97	5.836	6.42	0.00	1.200	0.984	2.00	9.870	11.84	76.0	142.8	774.1
30.00		1.00	0.98	5.921	6.51	0.00	1.200	0.991	2.00	9.787	11.74	76.5	142.6	768.1
32.00		1.00	1.00	6.002	6.60	0.00	1.200	0.997	2.00	9.704	11.64	76.9	142.2	762.0
34.00		1.00	1.01	6.079	6.69	0.00	1.200	1.003	2.00	9.620	11.54	77.2	141.8	755.9
36.00		1.00	1.02	6.153	6.77	0.00	1.200	1.009	2.00	9.536	11.44	77.5	141.4	749.8
38.00		1.00	1.03	6.224	6.85	0.00	1.200	1.014	2.00	9.453	11.34	77.7	140.8	743.5
40.00		1.00	1.04	6.291	6.92	0.00	1.200	1.019	2.00	9.369	11.24	77.8	140.3	737.2
42.00		1.00	1.05	6.356	6.99	0.00	1.200	1.024	2.00	9.285	11.14	77.9	139.6	730.9
43.92	Bot - Section 2	1.00	1.06	6.416	7.06	0.00	1.200	1.029	1.92	8.819	10.58	74.7	133.2	694.5
44.00		1.00	1.06	6.419	7.06	0.00	1.200	1.029	0.08	0.388	0.47	3.3	5.9	53.1
46.00		1.00	1.07	6.479	7.13	0.00	1.200	1.034	2.00	9.257	11.11	79.2	140.5	1267.8
48.00		1.00	1.08	6.537	7.19	0.00	1.200	1.038	2.00	9.173	11.01	79.2	139.7	1256.1
50.00		1.00	1.09	6.594	7.25	0.00	1.200	1.042	2.00	9.089	10.91	79.1	139.0	1244.3
51.00	Top - Section 1	1.00	1.10	6.621	7.28	0.00	1.200	1.044	1.00	4.513	5.42	39.4	69.3	617.8
52.00		1.00	1.10	6.648	7.31	0.00	1.200	1.047	1.00	4.492	5.39	39.4	69.1	334.2
54.00		1.00	1.11	6.701	7.37	0.00	1.200	1.050	2.00	8.920	10.70	78.9	137.4	663.6
56.00		1.00	1.12	6.753	7.43	0.00	1.200	1.054	2.00	8.836	10.60	78.8	136.5	657.5
58.00		1.00	1.13	6.803	7.48	0.00	1.200	1.058	2.00	8.752	10.50	78.6	135.7	651.3
60.00		1.00	1.14	6.852	7.54	0.00	1.200	1.062	2.00	8.667	10.40	78.4	134.8	645.1
62.00		1.00	1.14	6.899	7.59	0.00	1.200	1.065	2.00	8.583	10.30	78.2	133.8	638.9
64.00		1.00	1.15	6.945	7.64	0.00	1.200	1.068	2.00	8.498	10.20	77.9	132.9	632.7
66.00		1.00	1.16	6.991	7.69	0.00	1.200	1.072	2.00	8.414	10.10	77.6	131.9	626.4
68.00		1.00	1.17	7.035	7.74	0.00	1.200	1.075	2.00	8.329	10.00	77.3	131.0	620.1
70.00		1.00	1.17	7.078	7.79	0.00	1.200	1.078	2.00	8.245	9.89	77.0	130.0	613.8
72.00		1.00	1.18	7.120	7.83	0.00	1.200	1.081	2.00	8.160	9.79	76.7	128.9	607.5
74.00		1.00	1.19	7.161	7.88	0.00	1.200	1.084	2.00	8.076	9.69	76.3	127.9	601.2
76.00		1.00	1.19	7.201	7.92	0.00	1.200	1.087	2.00	7.991	9.59	76.0	126.9	594.9
78.00		1.00	1.20	7.241	7.96	0.00	1.200	1.090	2.00	7.906	9.49	75.6	125.8	588.5
80.00		1.00	1.21	7.279	8.01	0.00	1.200	1.093	2.00	7.822	9.39	75.2	124.7	582.1
82.00		1.00	1.21	7.317	8.05	0.00	1.200	1.095	2.00	7.737	9.28	74.7	123.6	575.7
84.00		1.00	1.22	7.355	8.09	0.00	1.200	1.098	2.00	7.652	9.18	74.3	122.5	569.3
86.00		1.00	1.23	7.391	8.13	0.00	1.200	1.101	2.00	7.568	9.08	73.8	121.4	562.9
88.00		1.00	1.23	7.427	8.17	0.00	1.200	1.103	2.00	7.483	8.98	73.4	120.3	556.5

Wind Loading - Shaft

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Tower Engineering Solutions

90.00	1.00	1.24	7.462	8.21	0.00	1.200	1.106	2.00	7.398	8.88	72.9	119.1	550.0
90.17 Bot - Section 3	1.00	1.24	7.465	8.21	0.00	1.200	1.106	0.17	0.613	0.74	6.0	9.9	45.6
92.00	1.00	1.24	7.497	8.25	0.00	1.200	1.108	1.83	6.809	8.17	67.4	110.0	836.0
94.00	1.00	1.25	7.531	8.28	0.00	1.200	1.110	2.00	7.347	8.82	73.0	118.8	901.5
96.00 Top - Section 2	1.00	1.25	7.564	8.32	0.00	1.200	1.113	2.00	7.262	8.71	72.5	117.6	890.5
98.00	1.00	1.26	7.597	8.36	0.00	1.200	1.115	2.00	7.178	8.61	72.0	116.4	469.9
100.00	1.00	1.27	7.630	8.39	0.00	1.200	1.117	2.00	7.093	8.51	71.4	115.2	464.2
102.00	1.00	1.27	7.661	8.43	0.00	1.200	1.119	2.00	7.008	8.41	70.9	114.0	458.5
104.00	1.00	1.28	7.693	8.46	0.00	1.200	1.122	2.00	6.923	8.31	70.3	112.8	452.8
106.00	1.00	1.28	7.724	8.50	0.00	1.200	1.124	2.00	6.838	8.21	69.7	111.6	447.1
108.00	1.00	1.29	7.754	8.53	0.00	1.200	1.126	2.00	6.753	8.10	69.1	110.4	441.4
110.00	1.00	1.29	7.784	8.56	0.00	1.200	1.128	2.00	6.668	8.00	68.5	109.1	435.7
112.00	1.00	1.30	7.814	8.60	0.00	1.200	1.130	2.00	6.583	7.90	67.9	107.9	429.9
114.00	1.00	1.30	7.843	8.63	0.00	1.200	1.132	2.00	6.499	7.80	67.3	106.6	424.2
116.00	1.00	1.31	7.872	8.66	0.00	1.200	1.134	2.00	6.414	7.70	66.6	105.3	418.4
118.00	1.00	1.31	7.900	8.69	0.00	1.200	1.136	2.00	6.329	7.59	66.0	104.1	412.7
120.00	1.00	1.32	7.928	8.72	0.00	1.200	1.138	2.00	6.244	7.49	65.3	102.8	406.9
122.00	1.00	1.32	7.956	8.75	0.00	1.200	1.140	2.00	6.159	7.39	64.7	101.5	401.1
124.00	1.00	1.32	7.983	8.78	0.00	1.200	1.142	2.00	6.074	7.29	64.0	100.2	395.3
126.00	1.00	1.33	8.010	8.81	0.00	1.200	1.143	2.00	5.989	7.19	63.3	98.9	389.6
128.00	1.00	1.33	8.037	8.84	0.00	1.200	1.145	2.00	5.904	7.08	62.6	97.6	383.8
130.00	1.00	1.34	8.063	8.87	0.00	1.200	1.147	2.00	5.819	6.98	61.9	96.3	378.0
132.00	1.00	1.34	8.089	8.90	0.00	1.200	1.149	2.00	5.734	6.88	61.2	94.9	372.2
133.33 Bot - Section 4	1.00	1.34	8.106	8.92	0.00	1.200	1.150	1.33	3.775	4.53	40.4	62.7	245.0
134.00	1.00	1.35	8.115	8.93	0.00	1.200	1.150	0.67	1.902	2.28	20.4	31.7	189.2
136.00	1.00	1.35	8.140	8.95	0.00	1.200	1.152	2.00	5.650	6.78	60.7	93.8	561.0
138.00 Top - Section 3	1.00	1.35	8.165	8.98	0.00	1.200	1.154	2.00	5.565	6.68	60.0	92.4	551.9
140.00 Appurtenance(s)	1.00	1.36	8.190	9.01	0.00	1.200	1.155	2.00	5.480	6.58	59.2	91.1	283.5
142.00	1.00	1.36	8.214	9.04	0.00	1.200	1.157	2.00	5.395	6.47	58.5	89.7	278.9
144.00	1.00	1.37	8.238	9.06	0.00	1.200	1.159	2.00	5.310	6.37	57.7	88.4	274.3
146.00	1.00	1.37	8.262	9.09	0.00	1.200	1.160	2.00	5.225	6.27	57.0	87.0	269.7
148.00	1.00	1.37	8.286	9.11	0.00	1.200	1.162	2.00	5.140	6.17	56.2	85.6	265.0
150.00 Appurtenance(s)	1.00	1.38	8.309	9.14	0.00	1.200	1.163	2.00	5.055	6.07	55.4	84.2	260.4
152.00	1.00	1.38	8.333	9.17	0.00	1.200	1.165	2.00	4.970	5.96	54.7	82.9	255.8
154.00	1.00	1.39	8.356	9.19	0.00	1.200	1.167	2.00	4.885	5.86	53.9	81.5	251.1
156.00	1.00	1.39	8.378	9.22	0.00	1.200	1.168	2.00	4.800	5.76	53.1	80.1	246.5
158.00 Appurtenance(s)	1.00	1.39	8.401	9.24	0.00	1.200	1.170	2.00	4.715	5.66	52.3	78.7	241.8
160.00	1.00	1.40	8.423	9.27	0.00	1.200	1.171	2.00	4.629	5.56	51.5	77.3	237.1
162.00	1.00	1.40	8.445	9.29	0.00	1.200	1.172	2.00	4.544	5.45	50.7	75.9	232.5
164.00	1.00	1.40	8.467	9.31	0.00	1.200	1.174	2.00	4.459	5.35	49.8	74.5	227.8
166.00 Appurtenance(s)	1.00	1.41	8.489	9.34	0.00	1.200	1.175	2.00	4.374	5.25	49.0	73.0	223.1
168.00	1.00	1.41	8.510	9.36	0.00	1.200	1.177	2.00	4.289	5.15	48.2	71.6	218.4
170.00	1.00	1.42	8.531	9.38	0.00	1.200	1.178	2.00	4.204	5.04	47.3	70.2	213.8
172.00	1.00	1.42	8.552	9.41	0.00	1.200	1.180	2.00	4.119	4.94	46.5	68.8	209.1
174.00	1.00	1.42	8.573	9.43	0.00	1.200	1.181	2.00	4.034	4.84	45.6	67.3	204.4
176.00	1.00	1.43	8.594	9.45	0.00	1.200	1.182	2.00	3.949	4.74	44.8	65.9	199.7
178.00 Appurtenance(s)	1.00	1.43	8.614	9.48	0.00	1.200	1.184	2.00	3.863	4.64	43.9	64.4	195.0
180.00	1.00	1.43	8.635	9.50	0.00	1.200	1.185	2.00	3.778	4.53	43.1	63.0	190.3
							Totals:	**180.00**			**6,091.7**		**50,333.6**

Discrete Appurtenance Forces

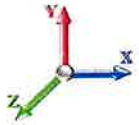
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	BSF0020F3V1-1	2	8.614	9.476	0.68	0.75	1.67	80.17	0.000	0.000	15.83	0.00	0.00
2	178.00	VZS01	3	8.614	9.476	0.52	0.75	7.59	524.05	0.000	0.000	71.92	0.00	0.00
3	178.00	Platform w/ Handrails w/	1	8.614	9.476	1.00	1.00	54.20	3808.70	0.000	0.000	513.61	0.00	0.00
4	178.00	Raycap	1	8.614	9.476	0.75	0.75	2.28	70.34	0.000	0.000	21.65	0.00	0.00
5	178.00	Samsung B5/B13 RRH	3	8.614	9.476	0.38	0.75	2.97	319.30	0.000	0.000	28.15	0.00	0.00
6	178.00	Samsung B2/B66A RRH	3	8.614	9.476	0.38	0.75	2.78	596.43	0.000	0.000	26.39	0.00	0.00
7	178.00	JMA MX06FRO660-03	6	8.614	9.476	0.65	0.75	42.03	1469.15	0.000	0.000	398.27	0.00	0.00
8	178.00	91900314	3	8.614	9.476	1.00	1.00	0.00	123.81	0.000	0.000	0.00	0.00	0.00
9	166.00	Sitepro	1	8.489	9.338	0.75	0.75	8.57	391.26	0.000	0.000	80.01	0.00	0.00
10	166.00	Sitepro	1	8.489	9.338	0.75	0.75	8.71	1219.51	0.000	0.000	81.29	0.00	0.00
11	166.00	RFS APXVTM14-C-I20	3	8.489	9.338	0.58	0.75	12.26	505.30	0.000	0.000	114.44	0.00	0.00
12	166.00	Platform w/ Hand Rails	1	8.489	9.338	1.00	1.00	54.10	3210.39	0.000	0.000	505.20	0.00	0.00
13	166.00	ALU 800 Mhz	6	8.489	9.338	0.38	0.75	7.34	553.85	0.000	0.000	68.50	0.00	0.00
14	166.00	Commscope	3	8.489	9.338	0.55	0.75	22.06	658.17	0.000	0.000	206.01	0.00	0.00
15	166.00	ALU 1900 Mhz	3	8.489	9.338	0.38	0.75	5.33	285.35	0.000	0.000	49.75	0.00	0.00
16	166.00	ALU TD-RRH8x20-25	3	8.489	9.338	0.38	0.75	5.16	460.26	0.000	0.000	48.14	0.00	0.00
17	158.00	V-Brace	1	8.401	9.241	0.75	0.75	6.76	333.72	0.000	0.000	62.51	0.00	0.00
18	158.00	T-Arm Kit	3	8.401	9.241	0.56	0.75	11.17	2542.93	0.000	0.000	103.23	0.00	0.00
19	158.00	4449 B71+B12	3	8.423	9.265	0.40	0.80	2.40	377.86	0.000	2.000	22.21	0.00	44.41
20	158.00	KRY 112 144/2	3	8.423	9.265	0.40	0.80	1.27	75.86	0.000	2.000	11.79	0.00	23.58
21	158.00	KRY 112 489/2	3	8.423	9.265	0.40	0.80	1.27	75.86	0.000	2.000	11.79	0.00	23.58
22	158.00	APXVAARR24_43-U-NA2	3	8.423	9.265	0.56	0.80	36.12	1266.06	0.000	2.000	334.63	0.00	669.27
23	158.00	RR90-17-00VDPL2/-R	3	8.423	9.265	0.54	0.80	8.16	228.01	0.000	2.000	75.57	0.00	151.13
24	158.00	T-Arms	3	8.401	9.241	0.56	0.75	21.39	1541.21	0.000	0.000	197.71	0.00	0.00
25	150.00	DMP65R-BU6DA	2	8.309	9.140	0.54	0.75	14.78	448.69	0.000	0.000	135.10	0.00	0.00
26	150.00	Powerwave 7770	3	8.309	9.140	0.55	0.75	10.18	376.13	0.000	0.000	93.01	0.00	0.00
27	150.00	DMP65R-BU4DA	1	8.309	9.140	0.54	0.75	7.39	224.34	0.000	0.000	67.55	0.00	0.00
28	150.00	Powerwave LGP21401	6	8.309	9.140	0.38	0.75	3.93	158.93	0.000	0.000	35.93	0.00	0.00
29	150.00	B2 B66A 8843	3	8.309	9.140	0.38	0.75	2.23	310.07	0.000	0.000	20.40	0.00	0.00
30	150.00	Raycap DC6-48-60-18-8F	1	8.309	9.140	0.50	0.75	1.20	61.68	0.000	0.000	10.95	0.00	0.00
31	150.00	Platform w/ Hand Rail	1	8.309	9.140	1.00	1.00	55.36	2719.90	0.000	0.000	506.02	0.00	0.00
32	150.00	Cci HPA-65R-BUU-H6	2	8.309	9.140	0.64	0.75	13.45	435.37	0.000	0.000	122.98	0.00	0.00
33	150.00	SBNHH-1D65A	1	8.309	9.140	0.62	0.75	4.10	138.77	0.000	0.000	37.46	0.00	0.00
34	150.00	4449 B5/B12	3	8.309	9.140	0.38	0.75	2.63	321.56	0.000	0.000	24.01	0.00	0.00
35	140.00	Raycap	1	8.190	9.009	0.75	0.75	1.79	48.83	0.000	0.000	16.12	0.00	0.00
36	140.00	Fujitsu TA08025-B604	3	8.190	9.009	0.38	0.75	2.62	294.30	0.000	0.000	23.63	0.00	0.00
37	140.00	Fujitsu TA08025-B605	3	8.190	9.009	0.38	0.75	2.62	336.09	0.000	0.000	23.63	0.00	0.00
38	140.00	Sitepro1 SNP8HR-3XX	1	8.190	9.009	1.00	1.00	68.86	3241.10	0.000	0.000	620.36	0.00	0.00
39	140.00	JMA Wireless	3	8.190	9.009	0.55	0.75	22.41	608.34	0.000	0.000	201.89	0.00	0.00
							Totals:		**30,441.67**			**4,987.63**		

Total Applied Force Summary

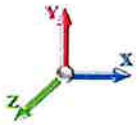
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		73.77	830.47	0.00	0.00
4.00		73.32	871.21	0.00	0.00
6.00		72.81	908.70	0.00	0.00
8.00		72.29	906.02	0.00	0.00
10.00		71.75	902.44	0.00	0.00
12.00		71.21	898.28	0.00	0.00
14.00		70.67	893.71	0.00	0.00
16.00		70.98	888.83	0.00	0.00
18.00		72.19	883.70	0.00	0.00
20.00		73.22	878.38	0.00	0.00
22.00		74.10	872.89	0.00	0.00
24.00		74.85	867.27	0.00	0.00
26.00		75.49	861.54	0.00	0.00
28.00		76.04	855.70	0.00	0.00
30.00		76.50	849.78	0.00	0.00
32.00		76.88	843.78	0.00	0.00
34.00		77.20	837.71	0.00	0.00
36.00		77.46	831.58	0.00	0.00
38.00		77.65	825.39	0.00	0.00
40.00		77.80	819.15	0.00	0.00
42.00		77.90	812.86	0.00	0.00
43.92		74.69	773.07	0.00	0.00
44.00		3.28	56.51	0.00	0.00
46.00		79.17	1349.81	0.00	0.00
48.00		79.15	1338.11	0.00	0.00
50.00		79.11	1326.38	0.00	0.00
51.00		39.44	658.88	0.00	0.00
52.00		39.42	375.27	0.00	0.00
54.00		78.91	745.78	0.00	0.00
56.00		78.76	739.67	0.00	0.00
58.00		78.59	733.53	0.00	0.00
60.00		78.39	727.36	0.00	0.00
62.00		78.16	721.17	0.00	0.00
64.00		77.91	714.96	0.00	0.00
66.00		77.64	708.73	0.00	0.00
68.00		77.34	702.48	0.00	0.00
70.00		77.03	696.21	0.00	0.00
72.00		76.69	689.92	0.00	0.00
74.00		76.34	683.61	0.00	0.00
76.00		75.96	677.29	0.00	0.00
78.00		75.57	670.95	0.00	0.00
80.00		75.16	664.59	0.00	0.00
82.00		74.73	658.22	0.00	0.00
84.00		74.29	651.84	0.00	0.00
86.00		73.83	645.44	0.00	0.00
88.00		73.36	639.03	0.00	0.00

Total Applied Force Summary

Structure:	CT46130-A-SBA		**Code:**	TIA-222-H	7/11/2023
Site Name:	Deep River-winthrop Rd		**Exposure:**	C	
Height:	180.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 32

TES Tower Engineering Solutions

90.00		72.87	632.61	0.00	0.00
90.17		6.04	52.47	0.00	0.00
92.00		67.38	911.75	0.00	0.00
94.00		73.04	984.12	0.00	0.00
96.00		72.51	973.18	0.00	0.00
98.00		71.98	552.53	0.00	0.00
100.00		71.43	546.87	0.00	0.00
102.00		70.87	541.20	0.00	0.00
104.00		70.30	535.52	0.00	0.00
106.00		69.72	529.83	0.00	0.00
108.00		69.12	524.13	0.00	0.00
110.00		68.52	518.43	0.00	0.00
112.00		67.90	512.71	0.00	0.00
114.00		67.28	506.98	0.00	0.00
116.00		66.64	501.25	0.00	0.00
118.00		66.00	495.50	0.00	0.00
120.00		65.34	489.75	0.00	0.00
122.00		64.68	484.00	0.00	0.00
124.00		64.00	478.23	0.00	0.00
126.00		63.32	472.46	0.00	0.00
128.00		62.63	466.68	0.00	0.00
130.00		61.93	460.89	0.00	0.00
132.00		61.22	455.10	0.00	0.00
133.33		40.40	300.32	0.00	0.00
134.00		20.37	216.82	0.00	0.00
136.00		60.71	643.98	0.00	0.00
138.00		59.98	634.91	0.00	0.00
140.00	(11) attachments	944.87	4895.21	0.00	0.00
142.00		58.50	352.61	0.00	0.00
144.00		57.74	347.98	0.00	0.00
146.00		56.99	343.36	0.00	0.00
148.00		56.22	338.73	0.00	0.00
150.00	(23) attachments	1108.86	5529.51	0.00	0.00
152.00		54.66	305.52	0.00	0.00
154.00		53.88	300.87	0.00	0.00
156.00		53.08	296.22	0.00	0.00
158.00	(22) attachments	871.71	6733.06	0.00	911.97
160.00		51.47	286.89	0.00	0.00
162.00		50.66	249.78	0.00	0.00
164.00		49.84	245.11	0.00	0.00
166.00	(21) attachments	1202.35	7524.54	0.00	0.00
168.00		48.18	226.59	0.00	0.00
170.00		47.34	221.90	0.00	0.00
172.00		46.50	217.21	0.00	0.00
174.00		45.65	212.51	0.00	0.00
176.00		44.79	207.81	0.00	0.00
178.00	(22) attachments	1119.75	7195.06	0.00	0.00
180.00		43.06	193.41	0.00	0.00
	Totals:	**11,079.29**	**87,134.30**	**0.00**	**911.97**

Linear Appurtenance Segment Forces (Factored)

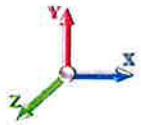
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 33	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

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)
4.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.28	0.00	0.014	0.000	5.124	0.00	3.36
6.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.57	0.00	0.028	0.000	5.124	0.00	6.94
8.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.58	0.00	0.028	0.000	5.124	0.00	7.11
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.59	0.00	0.028	0.000	5.124	0.00	7.25
12.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.59	0.00	0.029	0.000	5.124	0.00	7.37
14.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.60	0.00	0.029	0.000	5.124	0.00	7.47
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.60	0.00	0.029	0.000	5.187	0.00	7.56
18.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.61	0.00	0.029	0.000	5.318	0.00	7.64
20.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.61	0.00	0.030	0.000	5.437	0.00	7.71
22.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.61	0.00	0.030	0.000	5.547	0.00	7.78
24.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.61	0.00	0.030	0.000	5.650	0.00	7.84
26.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.030	0.000	5.746	0.00	7.90
28.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.031	0.000	5.836	0.00	7.95
30.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.031	0.000	5.921	0.00	8.00
32.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.62	0.00	0.031	0.000	6.002	0.00	8.05
34.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.031	0.000	6.079	0.00	8.10
36.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.032	0.000	6.153	0.00	8.14
38.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.032	0.000	6.224	0.00	8.19
40.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.032	0.000	6.291	0.00	8.23
42.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.63	0.00	0.033	0.000	6.356	0.00	8.26
43.92	1.75" Hybrid	Yes	1.92	0.000	1.75	0.61	0.00	0.033	0.000	6.416	0.00	7.95
44.00	1.75" Hybrid	Yes	0.08	0.000	1.75	0.03	0.00	0.033	0.000	6.419	0.00	0.35
46.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.033	0.000	6.479	0.00	8.34
48.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.034	0.000	6.537	0.00	8.37
50.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.034	0.000	6.594	0.00	8.40
51.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.32	0.00	0.034	0.000	6.621	0.00	4.21
52.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.32	0.00	0.034	0.000	6.648	0.00	4.22
54.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.034	0.000	6.701	0.00	8.47
56.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.034	0.000	6.753	0.00	8.50
58.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.64	0.00	0.035	0.000	6.803	0.00	8.53
60.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.035	0.000	6.852	0.00	8.55
62.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.035	0.000	6.899	0.00	8.58
64.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.036	0.000	6.945	0.00	8.61
66.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.036	0.000	6.991	0.00	8.64
68.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.037	0.000	7.035	0.00	8.66
70.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.037	0.000	7.078	0.00	8.69
72.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.037	0.000	7.120	0.00	8.71
74.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.038	0.000	7.161	0.00	8.73
76.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.038	0.000	7.201	0.00	8.76
78.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.65	0.00	0.039	0.000	7.241	0.00	8.78
80.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.039	0.000	7.279	0.00	8.80
82.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.040	0.000	7.317	0.00	8.82
84.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.040	0.000	7.355	0.00	8.85
86.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.041	0.000	7.391	0.00	8.87
88.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.041	0.000	7.427	0.00	8.89
90.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.041	0.000	7.462	0.00	8.91
90.17	1.75" Hybrid	Yes	0.17	0.000	1.75	0.06	0.00	0.042	0.000	7.465	0.00	0.74

Linear Appurtenance Segment Forces (Factored)

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

TES Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
92.00	1.75" Hybrid	Yes	1.83	0.000	1.75	0.61	0.00	0.042	0.000	7.497	0.00	8.18
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.043	0.000	7.531	0.00	8.95
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.043	0.000	7.564	0.00	8.97
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.043	0.000	7.597	0.00	8.98
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.043	0.000	7.630	0.00	9.00
102.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.66	0.00	0.044	0.000	7.661	0.00	9.02
104.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.045	0.000	7.693	0.00	9.04
106.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.045	0.000	7.724	0.00	9.06
108.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.046	0.000	7.754	0.00	9.07
110.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.046	0.000	7.784	0.00	9.09
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.047	0.000	7.814	0.00	9.11
114.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.048	0.000	7.843	0.00	9.12
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.048	0.000	7.872	0.00	9.14
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.049	0.000	7.900	0.00	9.16
120.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.050	0.000	7.928	0.00	9.17
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.050	0.000	7.956	0.00	9.19
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.051	0.000	7.983	0.00	9.20
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.052	0.000	8.010	0.00	9.22
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.053	0.000	8.037	0.00	9.23
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.054	0.000	8.063	0.00	9.25
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.055	0.000	8.089	0.00	9.26
133.33	1.75" Hybrid	Yes	1.33	0.000	1.75	0.45	0.00	0.055	0.000	8.106	0.00	6.18
134.00	1.75" Hybrid	Yes	0.67	0.000	1.75	0.23	0.00	0.056	0.000	8.115	0.00	3.09
136.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.056	0.000	8.140	0.00	9.29
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.057	0.000	8.165	0.00	9.31
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.057	0.000	8.190	0.00	9.32
										Totals:	**0.0**	**586.4**

Calculated Forces

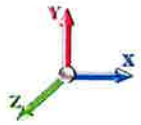
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-87.13	-11.09	0.00	-1432.0	0.00	1432.03	5123.29	1522.04	7808.40	6435.29	0.00	0.000	0.000	0.240
2.00	-86.30	-11.05	0.00	-1409.8	0.00	1409.85	5107.67	1509.78	7683.09	6363.61	0.00	-0.019	0.000	0.238
4.00	-85.42	-11.00	0.00	-1387.7	0.00	1387.75	5091.62	1497.52	7558.79	6291.73	0.02	-0.039	0.000	0.237
6.00	-84.51	-10.96	0.00	-1365.7	0.00	1365.74	5075.16	1485.26	7435.50	6219.67	0.04	-0.058	0.000	0.236
8.00	-83.60	-10.92	0.00	-1343.8	0.00	1343.83	5058.29	1472.99	7313.22	6147.44	0.07	-0.078	0.000	0.235
10.00	-82.69	-10.87	0.00	-1322.0	0.00	1322.00	5041.00	1460.73	7191.96	6075.05	0.10	-0.098	0.000	0.234
12.00	-81.79	-10.83	0.00	-1300.2	0.00	1300.26	5023.29	1448.47	7071.72	6002.51	0.15	-0.118	0.000	0.233
14.00	-80.90	-10.78	0.00	-1278.6	0.00	1278.60	5005.16	1436.20	6952.48	5929.84	0.20	-0.138	0.000	0.232
16.00	-80.00	-10.74	0.00	-1257.0	0.00	1257.04	4986.62	1423.94	6834.27	5857.05	0.27	-0.159	0.000	0.231
18.00	-79.12	-10.69	0.00	-1235.5	0.00	1235.56	4967.66	1411.68	6717.06	5784.16	0.34	-0.180	0.000	0.230
20.00	-78.23	-10.64	0.00	-1214.1	0.00	1214.18	4948.29	1399.42	6600.87	5711.17	0.42	-0.200	0.000	0.228
22.00	-77.36	-10.60	0.00	-1192.8	0.00	1192.89	4928.49	1387.15	6485.69	5638.10	0.50	-0.221	0.000	0.227
24.00	-76.49	-10.55	0.00	-1171.7	0.00	1171.70	4908.28	1374.89	6371.53	5564.95	0.60	-0.243	0.000	0.226
26.00	-75.62	-10.49	0.00	-1150.6	0.00	1150.61	4887.66	1362.63	6258.37	5491.76	0.71	-0.264	0.000	0.225
28.00	-74.76	-10.44	0.00	-1129.6	0.00	1129.62	4866.62	1350.36	6146.24	5418.52	0.82	-0.285	0.000	0.224
30.00	-73.91	-10.39	0.00	-1108.7	0.00	1108.73	4845.16	1338.10	6035.11	5345.24	0.95	-0.307	0.000	0.223
32.00	-73.06	-10.34	0.00	-1087.9	0.00	1087.95	4823.28	1325.84	5925.00	5271.95	1.08	-0.329	0.000	0.222
34.00	-72.22	-10.28	0.00	-1067.2	0.00	1067.28	4800.99	1313.58	5815.91	5198.66	1.22	-0.351	0.000	0.220
36.00	-71.39	-10.23	0.00	-1046.7	0.00	1046.72	4778.28	1301.31	5707.83	5125.37	1.38	-0.374	0.000	0.219
38.00	-70.56	-10.17	0.00	-1026.2	0.00	1026.26	4755.15	1289.05	5600.76	5052.10	1.54	-0.396	0.000	0.218
40.00	-69.73	-10.12	0.00	-1005.9	0.00	1005.92	4731.61	1276.79	5494.70	4978.87	1.71	-0.419	0.000	0.217
42.00	-68.92	-10.06	0.00	-985.69	0.00	985.69	4707.65	1264.52	5389.66	4905.68	1.89	-0.442	0.000	0.216
43.92	-68.14	-9.99	0.00	-966.41	0.00	966.41	4684.30	1252.77	5289.95	4835.60	2.07	-0.464	0.000	0.214
44.00	-68.08	-10.00	0.00	-965.57	0.00	965.57	4683.27	1252.26	5285.64	4832.55	2.08	-0.465	0.000	0.214
46.00	-66.73	-9.94	0.00	-945.57	0.00	945.57	4658.48	1240.00	5182.62	4759.49	2.28	-0.488	0.000	0.213
48.00	-65.39	-9.88	0.00	-925.69	0.00	925.69	4633.27	1227.74	5080.62	4686.52	2.49	-0.511	0.000	0.212
50.00	-64.06	-9.80	0.00	-905.94	0.00	905.94	4607.64	1215.47	4979.64	4613.64	2.71	-0.535	0.000	0.210
51.00	-63.40	-9.77	0.00	-896.13	0.00	896.13	4157.28	1142.33	4736.69	4216.21	2.82	-0.547	0.000	0.228
52.00	-63.02	-9.75	0.00	-886.36	0.00	886.36	4146.96	1136.64	4689.60	4184.61	2.94	-0.559	0.000	0.227
54.00	-62.27	-9.69	0.00	-866.86	0.00	866.86	4126.01	1125.25	4596.10	4121.41	3.18	-0.584	0.000	0.225
56.00	-61.53	-9.63	0.00	-847.49	0.00	847.49	4104.64	1113.86	4503.55	4058.23	3.43	-0.609	0.000	0.224
58.00	-60.79	-9.57	0.00	-828.23	0.00	828.23	4082.85	1102.48	4411.95	3995.08	3.69	-0.634	0.000	0.222
60.00	-60.06	-9.51	0.00	-809.09	0.00	809.09	4060.64	1091.09	4321.28	3931.97	3.96	-0.659	0.000	0.221
62.00	-59.34	-9.45	0.00	-790.07	0.00	790.07	4038.02	1079.70	4231.55	3868.91	4.24	-0.684	0.000	0.219
64.00	-58.62	-9.39	0.00	-771.17	0.00	771.17	4014.98	1068.31	4142.77	3805.92	4.53	-0.710	0.000	0.217
66.00	-57.91	-9.33	0.00	-752.39	0.00	752.39	3991.52	1056.93	4054.92	3743.01	4.83	-0.735	0.000	0.216
68.00	-57.20	-9.27	0.00	-733.73	0.00	733.73	3967.65	1045.54	3968.02	3680.19	5.15	-0.761	0.000	0.214
70.00	-56.50	-9.21	0.00	-715.19	0.00	715.19	3943.36	1034.15	3882.06	3617.47	5.47	-0.788	0.000	0.212
72.00	-55.81	-9.15	0.00	-696.78	0.00	696.78	3918.66	1022.77	3797.04	3554.87	5.81	-0.814	0.000	0.210
74.00	-55.12	-9.09	0.00	-678.48	0.00	678.48	3893.54	1011.38	3712.96	3492.40	6.16	-0.840	0.000	0.209
76.00	-54.44	-9.03	0.00	-660.31	0.00	660.31	3868.00	999.99	3629.83	3430.07	6.51	-0.867	0.000	0.207
78.00	-53.77	-8.97	0.00	-642.26	0.00	642.26	3842.04	988.61	3547.63	3367.90	6.88	-0.894	0.000	0.205
80.00	-53.10	-8.91	0.00	-624.33	0.00	624.33	3815.67	977.22	3466.38	3305.90	7.26	-0.921	0.000	0.203
82.00	-52.44	-8.84	0.00	-606.52	0.00	606.52	3788.88	965.83	3386.07	3244.07	7.65	-0.948	0.000	0.201
84.00	-51.79	-8.78	0.00	-588.83	0.00	588.83	3761.67	954.44	3306.69	3182.44	8.06	-0.976	0.000	0.199
86.00	-51.14	-8.72	0.00	-571.26	0.00	571.26	3734.05	943.06	3228.26	3121.02	8.47	-1.003	0.000	0.197
88.00	-50.50	-8.66	0.00	-553.81	0.00	553.81	3706.01	931.67	3150.77	3059.82	8.90	-1.031	0.000	0.195
90.00	-49.86	-8.59	0.00	-536.48	0.00	536.48	3677.55	920.28	3074.23	2998.84	9.34	-1.058	0.000	0.193

Calculated Forces

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 36	

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90.17	-49.81	-8.60	0.00	-535.05	0.00	535.05	3675.16	919.33	3067.89	2993.77	9.37	-1.061	0.000	0.192
92.00	-48.89	-8.54	0.00	-519.29	0.00	519.29	3648.68	908.90	2998.62	2938.12	9.79	-1.086	0.000	0.190
94.00	-47.91	-8.47	0.00	-502.22	0.00	502.22	3619.39	897.51	2923.96	2877.64	10.25	-1.115	0.000	0.188
96.00	-46.93	-8.40	0.00	-485.28	0.00	485.28	2873.56	764.37	2506.37	2303.28	10.72	-1.143	0.000	0.227
98.00	-46.38	-8.34	0.00	-468.49	0.00	468.49	2853.66	754.73	2443.58	2258.25	11.21	-1.171	0.000	0.224
100.00	-45.83	-8.28	0.00	-451.81	0.00	451.81	2833.34	745.10	2381.59	2213.29	11.70	-1.203	0.000	0.220
102.00	-45.28	-8.23	0.00	-435.24	0.00	435.24	2812.61	735.46	2320.39	2168.43	12.21	-1.234	0.000	0.217
104.00	-44.74	-8.17	0.00	-418.79	0.00	418.79	2791.46	725.83	2259.99	2123.68	12.74	-1.266	0.000	0.213
106.00	-44.21	-8.11	0.00	-402.45	0.00	402.45	2769.89	716.19	2200.39	2079.04	13.27	-1.298	0.000	0.210
108.00	-43.68	-8.05	0.00	-386.23	0.00	386.23	2747.90	706.55	2141.58	2034.53	13.82	-1.329	0.000	0.206
110.00	-43.16	-8.00	0.00	-370.12	0.00	370.12	2725.50	696.92	2083.57	1990.17	14.39	-1.361	0.000	0.202
112.00	-42.65	-7.94	0.00	-354.13	0.00	354.13	2702.68	687.28	2026.36	1945.97	14.97	-1.393	0.000	0.198
114.00	-42.14	-7.88	0.00	-338.25	0.00	338.25	2679.45	677.65	1969.94	1901.93	15.56	-1.424	0.000	0.194
116.00	-41.64	-7.83	0.00	-322.48	0.00	322.48	2655.79	668.01	1914.32	1858.08	16.16	-1.455	0.000	0.189
118.00	-41.14	-7.77	0.00	-306.82	0.00	306.82	2631.73	658.38	1859.50	1814.42	16.78	-1.487	0.000	0.185
120.00	-40.65	-7.72	0.00	-291.28	0.00	291.28	2607.24	648.74	1805.47	1770.96	17.40	-1.517	0.000	0.180
122.00	-40.16	-7.66	0.00	-275.85	0.00	275.85	2582.34	639.11	1752.24	1727.73	18.05	-1.548	0.000	0.175
124.00	-39.68	-7.60	0.00	-260.54	0.00	260.54	2557.02	629.47	1699.80	1684.74	18.70	-1.578	0.000	0.170
126.00	-39.20	-7.55	0.00	-245.33	0.00	245.33	2531.28	619.84	1648.16	1641.98	19.37	-1.608	0.000	0.165
128.00	-38.74	-7.49	0.00	-230.24	0.00	230.24	2505.13	610.20	1597.32	1599.49	20.05	-1.638	0.000	0.160
130.00	-38.27	-7.43	0.00	-215.26	0.00	215.26	2478.56	600.57	1547.28	1557.27	20.74	-1.667	0.000	0.154
132.00	-37.82	-7.38	0.00	-200.39	0.00	200.39	2451.58	590.93	1498.03	1515.33	21.45	-1.695	0.000	0.148
133.33	-37.52	-7.34	0.00	-190.55	0.00	190.55	2433.35	584.51	1465.64	1487.53	21.92	-1.714	0.000	0.144
134.00	-37.30	-7.32	0.00	-185.66	0.00	185.66	2424.17	581.30	1449.58	1473.69	22.16	-1.723	0.000	0.142
136.00	-36.65	-7.26	0.00	-171.02	0.00	171.02	2396.35	571.66	1401.92	1432.35	22.89	-1.750	0.000	0.135
138.00	-36.02	-7.19	0.00	-156.51	0.00	156.51	1545.45	417.14	1026.36	929.77	23.63	-1.776	0.000	0.192
140.00	-31.15	-6.11	0.00	-142.12	0.00	142.12	1531.69	410.13	992.17	905.88	24.38	-1.801	0.000	0.177
142.00	-30.80	-6.06	0.00	-129.90	0.00	129.90	1517.50	403.12	958.56	882.03	25.14	-1.831	0.000	0.168
144.00	-30.45	-6.00	0.00	-117.79	0.00	117.79	1502.90	396.11	925.52	858.22	25.91	-1.861	0.000	0.158
146.00	-30.10	-5.95	0.00	-105.78	0.00	105.78	1487.88	389.11	893.06	834.49	26.70	-1.889	0.000	0.147
148.00	-29.76	-5.90	0.00	-93.88	0.00	93.88	1472.45	382.10	861.19	810.82	27.50	-1.915	0.000	0.136
150.00	-24.27	-4.61	0.00	-82.09	0.00	82.09	1456.60	375.09	829.89	787.25	28.30	-1.940	0.000	0.121
152.00	-23.97	-4.56	0.00	-72.86	0.00	72.86	1440.33	368.08	799.17	763.78	29.12	-1.963	0.000	0.112
154.00	-23.67	-4.50	0.00	-63.75	0.00	63.75	1423.65	361.08	769.03	740.42	29.95	-1.984	0.000	0.103
156.00	-23.37	-4.45	0.00	-54.75	0.00	54.75	1406.55	354.07	739.47	717.20	30.78	-2.004	0.000	0.093
158.00	-16.67	-3.34	0.00	-44.95	0.00	44.95	1389.03	347.06	710.49	694.11	31.63	-2.022	0.000	0.077
160.00	-16.39	-3.28	0.00	-38.26	0.00	38.26	1371.10	340.05	682.09	671.17	32.48	-2.037	0.000	0.069
162.00	-16.14	-3.23	0.00	-31.69	0.00	31.69	1352.75	333.05	654.27	648.41	33.33	-2.051	0.000	0.061
164.00	-15.89	-3.17	0.00	-25.24	0.00	25.24	1333.98	326.04	627.03	625.81	34.20	-2.063	0.000	0.052
166.00	-8.42	-1.70	0.00	-18.89	0.00	18.89	1314.79	319.03	600.37	603.42	35.06	-2.073	0.000	0.038
168.00	-8.19	-1.65	0.00	-15.49	0.00	15.49	1295.19	312.03	574.28	581.22	35.93	-2.081	0.000	0.033
170.00	-7.97	-1.59	0.00	-12.20	0.00	12.20	1275.17	305.02	548.78	559.24	36.81	-2.088	0.000	0.028
172.00	-7.76	-1.54	0.00	-9.01	0.00	9.01	1251.65	298.01	523.85	536.17	37.68	-2.094	0.000	0.023
174.00	-7.55	-1.49	0.00	-5.94	0.00	5.94	1222.21	291.00	499.51	511.11	38.56	-2.099	0.000	0.018
176.00	-7.34	-1.43	0.00	-2.97	0.00	2.97	1192.78	284.00	475.74	486.64	39.44	-2.102	0.000	0.012
178.00	-0.19	-0.05	0.00	-0.10	0.00	0.10	1163.35	276.99	452.55	462.78	40.32	-2.103	0.000	0.000
180.00	0.00	-0.04	0.00	0.00	0.00	0.00	1133.92	269.98	429.95	439.52	41.20	-2.103	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 37	

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Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.22	**Iterations**	25
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.21
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.28	**SA**	0.02	**S1**	0.05
						Seismic Importance Factor	1.00

R: 1.50

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)
0.00		0.00	0.00	0.00	0.00
2.00		590.99	1.00	26.48	0.00
4.00		622.70	3.00	27.90	0.00
6.00		654.41	5.00	29.32	0.01
8.00		649.65	7.00	29.10	0.01
10.00		644.90	9.00	28.89	0.02
12.00		640.14	11.00	28.68	0.03
14.00		635.39	13.00	28.47	0.03
16.00		630.63	15.00	28.25	0.05
18.00		625.88	17.00	28.04	0.06
20.00		621.12	19.00	27.83	0.07
22.00		616.37	21.00	27.61	0.08
24.00		611.61	23.00	27.40	0.10
26.00		606.86	25.00	27.19	0.12
28.00		602.10	27.00	26.97	0.13
30.00		597.35	29.00	26.76	0.15
32.00		592.59	31.00	26.55	0.17
34.00		587.83	33.00	26.33	0.19
36.00		583.08	35.00	26.12	0.21
38.00		578.32	37.00	25.91	0.23
40.00		573.57	39.00	25.70	0.25
42.00		568.81	41.00	25.48	0.28
43.92	Bot - Section 2	540.65	42.96	24.22	0.27
44.00		42.51	43.96	1.90	0.00
46.00		1015.5	45.00	45.50	1.06
48.00		1006.3	47.00	45.08	1.13
50.00		997.18	49.00	44.67	1.21
51.00	Top - Section 1	495.15	50.50	22.18	0.32
52.00		258.97	51.50	11.60	0.09
54.00		514.64	53.00	23.06	0.38
56.00		510.22	55.00	22.86	0.40
58.00		505.80	57.00	22.66	0.42
60.00		501.39	59.00	22.46	0.44
62.00		496.97	61.00	22.26	0.47
64.00		492.56	63.00	22.07	0.49
66.00		488.14	65.00	21.87	0.51
68.00		483.73	67.00	21.67	0.53
70.00		479.31	69.00	21.47	0.55
72.00		474.89	71.00	21.28	0.58
74.00		470.48	73.00	21.08	0.60
76.00		466.06	75.00	20.88	0.62
78.00		461.65	77.00	20.68	0.64
80.00		457.23	79.00	20.48	0.66
82.00		452.82	81.00	20.29	0.68
84.00		448.40	83.00	20.09	0.70
86.00		443.99	85.00	19.89	0.72

Seismic Segment Forces (Factored)

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 38	

88.00		439.57	87.00	19.69	0.74	
90.00		435.15	89.00	19.49	0.76	
90.17	Bot - Section 3	36.06	90.08	1.62	0.01	
92.00		674.80	91.08	30.23	1.91	
94.00		728.33	93.00	32.63	2.32	
96.00	Top - Section 2	720.18	95.00	32.26	2.37	
98.00		370.62	97.00	16.60	0.65	
100.00		366.88	99.00	16.44	0.67	
102.00		363.14	101.00	16.27	0.68	
104.00		359.41	103.00	16.10	0.69	
106.00		355.67	105.00	15.93	0.71	
108.00		351.93	107.00	15.77	0.72	
110.00		348.20	109.00	15.60	0.73	
112.00		344.46	111.00	15.43	0.74	
114.00		340.73	113.00	15.26	0.75	
116.00		336.99	115.00	15.10	0.76	
118.00		333.25	117.00	14.93	0.77	
120.00		329.52	119.00	14.76	0.78	
122.00		325.78	121.00	14.59	0.79	
124.00		322.04	123.00	14.43	0.79	
126.00		318.31	125.00	14.26	0.80	
128.00		314.57	127.00	14.09	0.81	
130.00		310.83	129.00	13.93	0.81	
132.00		307.10	131.00	13.76	0.82	
133.33	Bot - Section 4	202.66	132.67	9.08	0.37	
134.00		156.59	133.67	7.02	0.22	
136.00		465.46	135.00	20.85	2.00	
138.00	Top - Section 3	459.01	137.00	20.56	2.00	
140.00	Appurtenance(s)	2744.5	139.00	122.96	73.67	
142.00		231.36	141.00	10.36	0.54	
144.00		228.64	143.00	10.24	0.54	
146.00		225.92	145.00	10.12	0.54	
148.00		223.21	147.00	10.00	0.54	
150.00	Appurtenance(s)	2838.5	149.00	127.17	90.55	
152.00		193.84	151.00	8.68	0.43	
154.00		191.13	153.00	8.56	0.43	
156.00		188.41	155.00	8.44	0.43	
158.00	Appurtenance(s)	3659.5	157.00	163.95	167.11	
160.00		182.98	159.00	8.20	0.43	
162.00		147.81	161.00	6.62	0.29	
164.00		145.09	163.00	6.50	0.28	
166.00	Appurtenance(s)	3839.7	165.00	172.02	203.20	
168.00		130.50	167.00	5.85	0.24	
170.00		127.78	169.00	5.72	0.24	
172.00		125.06	171.00	5.60	0.23	
174.00		122.35	173.00	5.48	0.23	
176.00		119.63	175.00	5.36	0.22	
178.00	Appurtenance(s)	3547.7	177.00	158.94	199.61	
180.00		109.20	179.00	4.89	0.19	
	Totals:	**55,079.4**		**2,467.6**	**781.8**	**Total Wind:** **50,710.3**

Calculated Forces

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 39	

TES Tower Engineering Solutions

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.22			**Iterations**	25
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.21
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.28	**SA**	0.02			**S1**	0.05
								Seismic Importance Factor	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-67.38	-0.78	0.00	-133.12	0.00	133.12	5123.29	1522.04	7808.40	6435.29		0.00	0.00	0.034
2.00	-66.64	-0.78	0.00	-131.56	0.00	131.56	5107.67	1509.78	7683.09	6363.61		0.00	0.00	0.034
4.00	-65.87	-0.79	0.00	-129.99	0.00	129.99	5091.62	1497.52	7558.79	6291.73		0.00	0.00	0.034
6.00	-65.07	-0.79	0.00	-128.42	0.00	128.42	5075.16	1485.26	7435.50	6219.67		0.00	-0.01	0.033
8.00	-64.28	-0.79	0.00	-126.85	0.00	126.85	5058.29	1472.99	7313.22	6147.44		0.01	-0.01	0.033
10.00	-63.49	-0.79	0.00	-125.27	0.00	125.27	5041.00	1460.73	7191.96	6075.05		0.01	-0.01	0.033
12.00	-62.71	-0.79	0.00	-123.69	0.00	123.69	5023.29	1448.47	7071.72	6002.51		0.01	-0.01	0.033
14.00	-61.94	-0.80	0.00	-122.10	0.00	122.10	5005.16	1436.20	6952.48	5929.84		0.02	-0.01	0.033
16.00	-61.17	-0.80	0.00	-120.51	0.00	120.51	4986.62	1423.94	6834.27	5857.05		0.02	-0.02	0.033
18.00	-60.40	-0.80	0.00	-118.92	0.00	118.92	4967.66	1411.68	6717.06	5784.16		0.03	-0.02	0.033
20.00	-59.64	-0.80	0.00	-117.32	0.00	117.32	4948.29	1399.42	6600.87	5711.17		0.04	-0.02	0.033
22.00	-58.89	-0.80	0.00	-115.72	0.00	115.72	4928.49	1387.15	6485.69	5638.10		0.05	-0.02	0.032
24.00	-58.15	-0.80	0.00	-114.11	0.00	114.11	4908.28	1374.89	6371.53	5564.95		0.06	-0.02	0.032
26.00	-57.41	-0.81	0.00	-112.51	0.00	112.51	4887.66	1362.63	6258.37	5491.76		0.07	-0.03	0.032
28.00	-56.67	-0.81	0.00	-110.89	0.00	110.89	4866.62	1350.36	6146.24	5418.52		0.08	-0.03	0.032
30.00	-55.94	-0.81	0.00	-109.28	0.00	109.28	4845.16	1338.10	6035.11	5345.24		0.09	-0.03	0.032
32.00	-55.22	-0.81	0.00	-107.66	0.00	107.66	4823.28	1325.84	5925.00	5271.95		0.10	-0.03	0.032
34.00	-54.50	-0.81	0.00	-106.04	0.00	106.04	4800.99	1313.58	5815.91	5198.66		0.12	-0.03	0.032
36.00	-53.79	-0.81	0.00	-104.42	0.00	104.42	4778.28	1301.31	5707.83	5125.37		0.13	-0.04	0.032
38.00	-53.09	-0.81	0.00	-102.79	0.00	102.79	4755.15	1289.05	5600.76	5052.10		0.15	-0.04	0.032
40.00	-52.39	-0.82	0.00	-101.16	0.00	101.16	4731.61	1276.79	5494.70	4978.87		0.16	-0.04	0.031
42.00	-51.70	-0.82	0.00	-99.53	0.00	99.53	4707.65	1264.52	5389.66	4905.68		0.18	-0.04	0.031
43.92	-51.04	-0.82	0.00	-97.96	0.00	97.96	4684.30	1252.77	5289.95	4835.60		0.20	-0.05	0.031
44.00	-50.99	-0.82	0.00	-97.89	0.00	97.89	4683.27	1252.26	5285.64	4832.55		0.20	-0.05	0.031
46.00	-49.74	-0.82	0.00	-96.26	0.00	96.26	4658.48	1240.00	5182.62	4759.49		0.22	-0.05	0.031
48.00	-48.50	-0.82	0.00	-94.62	0.00	94.62	4633.27	1227.74	5080.62	4686.52		0.24	-0.05	0.031
50.00	-47.27	-0.82	0.00	-92.98	0.00	92.98	4607.64	1215.47	4979.64	4613.64		0.26	-0.05	0.030
51.00	-46.66	-0.82	0.00	-92.16	0.00	92.16	4157.28	1142.33	4736.69	4216.21		0.27	-0.05	0.033
52.00	-46.35	-0.82	0.00	-91.35	0.00	91.35	4146.96	1136.64	4689.60	4184.61		0.28	-0.05	0.033
54.00	-45.72	-0.82	0.00	-89.71	0.00	89.71	4126.01	1125.25	4596.10	4121.41		0.31	-0.06	0.033
56.00	-45.10	-0.82	0.00	-88.07	0.00	88.07	4104.64	1113.86	4503.55	4058.23		0.33	-0.06	0.033
58.00	-44.49	-0.82	0.00	-86.42	0.00	86.42	4082.85	1102.48	4411.95	3995.08		0.36	-0.06	0.033
60.00	-43.88	-0.82	0.00	-84.78	0.00	84.78	4060.64	1091.09	4321.28	3931.97		0.38	-0.07	0.032
62.00	-43.28	-0.82	0.00	-83.13	0.00	83.13	4038.02	1079.70	4231.55	3868.91		0.41	-0.07	0.032
64.00	-42.68	-0.82	0.00	-81.49	0.00	81.49	4014.98	1068.31	4142.77	3805.92		0.44	-0.07	0.032
66.00	-42.09	-0.83	0.00	-79.84	0.00	79.84	3991.52	1056.93	4054.92	3743.01		0.47	-0.07	0.032
68.00	-41.50	-0.83	0.00	-78.19	0.00	78.19	3967.65	1045.54	3968.02	3680.19		0.50	-0.08	0.032
70.00	-40.92	-0.83	0.00	-76.53	0.00	76.53	3943.36	1034.15	3882.06	3617.47		0.53	-0.08	0.032
72.00	-40.34	-0.83	0.00	-74.88	0.00	74.88	3918.66	1022.77	3797.04	3554.87		0.57	-0.08	0.031
74.00	-39.77	-0.83	0.00	-73.23	0.00	73.23	3893.54	1011.38	3712.96	3492.40		0.60	-0.08	0.031
76.00	-39.21	-0.83	0.00	-71.57	0.00	71.57	3868.00	999.99	3629.83	3430.07		0.64	-0.09	0.031
78.00	-38.65	-0.83	0.00	-69.91	0.00	69.91	3842.04	988.61	3547.63	3367.90		0.68	-0.09	0.031
80.00	-38.09	-0.83	0.00	-68.25	0.00	68.25	3815.67	977.22	3466.38	3305.90		0.71	-0.09	0.031
82.00	-37.54	-0.83	0.00	-66.60	0.00	66.60	3788.88	965.83	3386.07	3244.07		0.75	-0.10	0.030
84.00	-37.00	-0.83	0.00	-64.94	0.00	64.94	3761.67	954.44	3306.69	3182.44		0.79	-0.10	0.030
86.00	-36.46	-0.83	0.00	-63.27	0.00	63.27	3734.05	943.06	3228.26	3121.02		0.84	-0.10	0.030
88.00	-35.93	-0.83	0.00	-61.61	0.00	61.61	3706.01	931.67	3150.77	3059.82		0.88	-0.11	0.030

Calculated Forces

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

Tower Engineering Solutions

90.00	-35.41	-0.83	0.00	-59.95	0.00	59.95	3677.55	920.28	3074.23	2998.84	0.93	-0.11	0.030
90.17	-35.36	-0.83	0.00	-59.81	0.00	59.81	3675.16	919.33	3067.89	2993.77	0.93	-0.11	0.030
92.00	-34.54	-0.83	0.00	-58.29	0.00	58.29	3648.68	908.90	2998.62	2938.12	0.97	-0.11	0.029
94.00	-33.64	-0.83	0.00	-56.63	0.00	56.63	3619.39	897.51	2923.96	2877.64	1.02	-0.11	0.029
96.00	-32.76	-0.82	0.00	-54.98	0.00	54.98	2873.56	764.37	2506.37	2303.28	1.07	-0.12	0.035
98.00	-32.32	-0.83	0.00	-53.33	0.00	53.33	2853.66	754.73	2443.58	2258.25	1.12	-0.12	0.035
100.00	-31.88	-0.83	0.00	-51.68	0.00	51.68	2833.34	745.10	2381.59	2213.29	1.17	-0.12	0.035
102.00	-31.44	-0.83	0.00	-50.03	0.00	50.03	2812.61	735.46	2320.39	2168.43	1.22	-0.13	0.034
104.00	-31.01	-0.83	0.00	-48.37	0.00	48.37	2791.46	725.83	2259.99	2123.68	1.28	-0.13	0.034
106.00	-30.58	-0.83	0.00	-46.72	0.00	46.72	2769.89	716.19	2200.39	2079.04	1.33	-0.14	0.034
108.00	-30.16	-0.83	0.00	-45.07	0.00	45.07	2747.90	706.55	2141.58	2034.53	1.39	-0.14	0.033
110.00	-29.74	-0.83	0.00	-43.42	0.00	43.42	2725.50	696.92	2083.57	1990.17	1.45	-0.14	0.033
112.00	-29.32	-0.83	0.00	-41.76	0.00	41.76	2702.68	687.28	2026.36	1945.97	1.51	-0.15	0.032
114.00	-28.92	-0.83	0.00	-40.11	0.00	40.11	2679.45	677.65	1969.94	1901.93	1.57	-0.15	0.032
116.00	-28.51	-0.83	0.00	-38.45	0.00	38.45	2655.79	668.01	1914.32	1858.08	1.64	-0.15	0.031
118.00	-28.11	-0.83	0.00	-36.80	0.00	36.80	2631.73	658.38	1859.50	1814.42	1.70	-0.16	0.031
120.00	-27.72	-0.83	0.00	-35.14	0.00	35.14	2607.24	648.74	1805.47	1770.96	1.77	-0.16	0.030
122.00	-27.33	-0.83	0.00	-33.49	0.00	33.49	2582.34	639.11	1752.24	1727.73	1.84	-0.17	0.030
124.00	-26.94	-0.83	0.00	-31.84	0.00	31.84	2557.02	629.47	1699.80	1684.74	1.91	-0.17	0.029
126.00	-26.56	-0.83	0.00	-30.18	0.00	30.18	2531.28	619.84	1648.16	1641.98	1.98	-0.17	0.029
128.00	-26.18	-0.83	0.00	-28.53	0.00	28.53	2505.13	610.20	1597.32	1599.49	2.05	-0.18	0.028
130.00	-25.81	-0.83	0.00	-26.88	0.00	26.88	2478.56	600.57	1547.28	1557.27	2.13	-0.18	0.028
132.00	-25.44	-0.83	0.00	-25.22	0.00	25.22	2451.58	590.93	1498.03	1515.33	2.20	-0.18	0.027
133.33	-25.20	-0.83	0.00	-24.12	0.00	24.12	2433.35	584.51	1465.64	1487.53	2.26	-0.19	0.027
134.00	-25.01	-0.83	0.00	-23.57	0.00	23.57	2424.17	581.30	1449.58	1473.69	2.28	-0.19	0.026
136.00	-24.45	-0.82	0.00	-21.92	0.00	21.92	2396.35	571.66	1401.92	1432.35	2.36	-0.19	0.026
138.00	-23.89	-0.82	0.00	-20.28	0.00	20.28	1545.45	417.14	1026.36	929.77	2.44	-0.19	0.037
140.00	-20.49	-0.74	0.00	-18.64	0.00	18.64	1531.69	410.13	992.17	905.88	2.52	-0.20	0.034
142.00	-20.22	-0.74	0.00	-17.16	0.00	17.16	1517.50	403.12	958.56	882.03	2.61	-0.20	0.033
144.00	-19.95	-0.74	0.00	-15.69	0.00	15.69	1502.90	396.11	925.52	858.22	2.69	-0.21	0.032
146.00	-19.68	-0.74	0.00	-14.22	0.00	14.22	1487.88	389.11	893.06	834.49	2.78	-0.21	0.030
148.00	-19.42	-0.74	0.00	-12.74	0.00	12.74	1472.45	382.10	861.19	810.82	2.87	-0.21	0.029
150.00	-15.90	-0.63	0.00	-11.27	0.00	11.27	1456.60	375.09	829.89	787.25	2.96	-0.22	0.025
152.00	-15.67	-0.63	0.00	-10.01	0.00	10.01	1440.33	368.08	799.17	763.78	3.05	-0.22	0.024
154.00	-15.44	-0.63	0.00	-8.74	0.00	8.74	1423.65	361.08	769.03	740.42	3.14	-0.22	0.023
156.00	-15.22	-0.63	0.00	-7.48	0.00	7.48	1406.55	354.07	739.47	717.20	3.23	-0.22	0.021
158.00	-10.67	-0.45	0.00	-6.21	0.00	6.21	1389.03	347.06	710.49	694.11	3.33	-0.23	0.017
160.00	-10.45	-0.45	0.00	-5.32	0.00	5.32	1371.10	340.05	682.09	671.17	3.42	-0.23	0.016
162.00	-10.27	-0.45	0.00	-4.43	0.00	4.43	1352.75	333.05	654.27	648.41	3.52	-0.23	0.014
164.00	-10.09	-0.44	0.00	-3.54	0.00	3.54	1333.98	326.04	627.03	625.81	3.62	-0.23	0.013
166.00	-5.32	-0.22	0.00	-2.65	0.00	2.65	1314.79	319.03	600.37	603.42	3.71	-0.23	0.008
168.00	-5.16	-0.22	0.00	-2.20	0.00	2.20	1295.19	312.03	574.28	581.22	3.81	-0.24	0.008
170.00	-5.00	-0.22	0.00	-1.76	0.00	1.76	1275.17	305.02	548.78	559.24	3.91	-0.24	0.007
172.00	-4.85	-0.22	0.00	-1.32	0.00	1.32	1251.65	298.01	523.85	536.17	4.01	-0.24	0.006
174.00	-4.70	-0.22	0.00	-0.88	0.00	0.88	1222.21	291.00	499.51	511.11	4.11	-0.24	0.006
176.00	-4.55	-0.22	0.00	-0.44	0.00	0.44	1192.78	284.00	475.74	486.64	4.21	-0.24	0.005
178.00	-0.14	0.00	0.00	0.00	0.00	0.00	1163.35	276.99	452.55	462.78	4.31	-0.24	0.000
180.00	0.00	0.00	0.00	0.00	0.00	0.00	1133.92	269.98	429.95	439.52	4.41	-0.24	0.000

Seismic Segment Forces (Factored)

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 41	

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Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.22	**Iterations**	25
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.21
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.28	**SA**	0.02	**S1**	0.05
						Seismic Importance Factor	1.00

R: 1.50

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)
0.00		0.00	0.00	0.00	0.00
2.00		590.21	1.00	26.44	0.00
4.00		612.80	3.00	27.45	0.00
6.00		635.39	5.00	28.47	0.01
8.00		630.63	7.00	28.25	0.01
10.00		625.88	9.00	28.04	0.02
12.00		621.12	11.00	27.83	0.02
14.00		616.37	13.00	27.61	0.03
16.00		611.61	15.00	27.40	0.04
18.00		606.86	17.00	27.19	0.05
20.00		602.10	19.00	26.97	0.07
22.00		597.35	21.00	26.76	0.08
24.00		592.59	23.00	26.55	0.10
26.00		587.84	25.00	26.34	0.11
28.00		583.08	27.00	26.12	0.13
30.00		578.33	29.00	25.91	0.14
32.00		573.57	31.00	25.70	0.16
34.00		568.82	33.00	25.48	0.18
36.00		564.06	35.00	25.27	0.20
38.00		559.30	37.00	25.06	0.22
40.00		554.55	39.00	24.84	0.24
42.00		549.79	41.00	24.63	0.26
43.92	Bot - Section 2	522.42	42.96	23.40	0.26
44.00		41.72	43.96	1.87	0.00
46.00		996.50	45.00	44.64	1.03
48.00		987.33	47.00	44.23	1.10
50.00		978.16	49.00	43.82	1.17
51.00	Top - Section 1	485.64	50.50	21.76	0.31
52.00		249.46	51.50	11.18	0.08
54.00		495.62	53.00	22.20	0.35
56.00		491.20	55.00	22.01	0.37
58.00		486.78	57.00	21.81	0.39
60.00		482.37	59.00	21.61	0.41
62.00		477.95	61.00	21.41	0.43
64.00		473.54	63.00	21.21	0.46
66.00		469.12	65.00	21.02	0.48
68.00		464.71	67.00	20.82	0.50
70.00		460.29	69.00	20.62	0.52
72.00		455.88	71.00	20.42	0.54
74.00		451.46	73.00	20.23	0.56
76.00		447.04	75.00	20.03	0.57
78.00		442.63	77.00	19.83	0.59
80.00		438.21	79.00	19.63	0.61
82.00		433.80	81.00	19.43	0.63
84.00		429.38	83.00	19.24	0.65
86.00		424.97	85.00	19.04	0.67

Seismic Segment Forces (Factored)

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 42	

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88.00		420.55	87.00	18.84	0.68	
90.00		416.13	89.00	18.64	0.70	
90.17	Bot - Section 3	34.48	90.08	1.54	0.00	
92.00		657.37	91.08	29.45	1.83	
94.00		709.31	93.00	31.78	2.23	
96.00	Top - Section 2	701.16	95.00	31.41	2.27	
98.00		351.60	97.00	15.75	0.59	
100.00		347.86	99.00	15.58	0.61	
102.00		344.12	101.00	15.42	0.62	
104.00		340.39	103.00	15.25	0.63	
106.00		336.65	105.00	15.08	0.64	
108.00		332.91	107.00	14.91	0.65	
110.00		329.18	109.00	14.75	0.66	
112.00		325.44	111.00	14.58	0.67	
114.00		321.71	113.00	14.41	0.68	
116.00		317.97	115.00	14.25	0.68	
118.00		314.23	117.00	14.08	0.69	
120.00		310.50	119.00	13.91	0.70	
122.00		306.76	121.00	13.74	0.70	
124.00		303.02	123.00	13.58	0.71	
126.00		299.29	125.00	13.41	0.72	
128.00		295.55	127.00	13.24	0.72	
130.00		291.82	129.00	13.07	0.72	
132.00		288.08	131.00	12.91	0.73	
133.33	Bot - Section 4	189.98	132.67	8.51	0.32	
134.00		150.25	133.67	6.73	0.21	
136.00		446.44	135.00	20.00	1.86	
138.00	Top - Section 3	439.99	137.00	19.71	1.86	
140.00	Appurtenance(s)	2725.5	139.00	122.10	73.41	
142.00		212.94	141.00	9.54	0.46	
144.00		210.22	143.00	9.42	0.46	
146.00		207.50	145.00	9.30	0.46	
148.00		204.79	147.00	9.17	0.46	
150.00	Appurtenance(s)	2820.1	149.00	126.34	90.31	
152.00		181.41	151.00	8.13	0.38	
154.00		178.69	153.00	8.01	0.38	
156.00		175.97	155.00	7.88	0.38	
158.00	Appurtenance(s)	3647.1	157.00	163.39	167.69	
160.00		170.54	159.00	7.64	0.38	
162.00		143.48	161.00	6.43	0.27	
164.00		140.77	163.00	6.31	0.27	
166.00	Appurtenance(s)	3835.4	165.00	171.83	204.84	
168.00		128.46	167.00	5.76	0.24	
170.00		125.75	169.00	5.63	0.23	
172.00		123.03	171.00	5.51	0.23	
174.00		120.31	173.00	5.39	0.22	
176.00		117.59	175.00	5.27	0.22	
178.00	Appurtenance(s)	3545.7	177.00	158.85	201.45	
180.00		108.42	179.00	4.86	0.19	
	Totals:	**53,595.1**		**2,401.1**	**781.8**	**Total Wind:** **50,710.3**

Calculated Forces

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 43	

Tower Engineering Solutions

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.22			**Iterations**	25
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.21
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.28	**SA**	0.02	**Seismic Importance Factor**	1.00	**S1**	0.05

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-51.08	-0.78	0.00	-131.07	0.00	131.07	5123.29	1522.04	7808.40	6435.29		0.00	0.00	0.030
2.00	-50.52	-0.78	0.00	-129.51	0.00	129.51	5107.67	1509.78	7683.09	6363.61		0.00	0.00	0.030
4.00	-49.94	-0.78	0.00	-127.95	0.00	127.95	5091.62	1497.52	7558.79	6291.73		0.00	0.00	0.030
6.00	-49.34	-0.79	0.00	-126.38	0.00	126.38	5075.16	1485.26	7435.50	6219.67		0.00	-0.01	0.030
8.00	-48.73	-0.79	0.00	-124.81	0.00	124.81	5058.29	1472.99	7313.22	6147.44		0.01	-0.01	0.030
10.00	-48.14	-0.79	0.00	-123.23	0.00	123.23	5041.00	1460.73	7191.96	6075.05		0.01	-0.01	0.030
12.00	-47.54	-0.79	0.00	-121.66	0.00	121.66	5023.29	1448.47	7071.72	6002.51		0.01	-0.01	0.030
14.00	-46.96	-0.79	0.00	-120.08	0.00	120.08	5005.16	1436.20	6952.48	5929.84		0.02	-0.01	0.030
16.00	-46.37	-0.79	0.00	-118.49	0.00	118.49	4986.62	1423.94	6834.27	5857.05		0.02	-0.01	0.030
18.00	-45.79	-0.79	0.00	-116.91	0.00	116.91	4967.66	1411.68	6717.06	5784.16		0.03	-0.02	0.029
20.00	-45.22	-0.80	0.00	-115.32	0.00	115.32	4948.29	1399.42	6600.87	5711.17		0.04	-0.02	0.029
22.00	-44.65	-0.80	0.00	-113.73	0.00	113.73	4928.49	1387.15	6485.69	5638.10		0.05	-0.02	0.029
24.00	-44.08	-0.80	0.00	-112.14	0.00	112.14	4908.28	1374.89	6371.53	5564.95		0.06	-0.02	0.029
26.00	-43.52	-0.80	0.00	-110.54	0.00	110.54	4887.66	1362.63	6258.37	5491.76		0.07	-0.02	0.029
28.00	-42.97	-0.80	0.00	-108.94	0.00	108.94	4866.62	1350.36	6146.24	5418.52		0.08	-0.03	0.029
30.00	-42.41	-0.80	0.00	-107.34	0.00	107.34	4845.16	1338.10	6035.11	5345.24		0.09	-0.03	0.029
32.00	-41.87	-0.80	0.00	-105.74	0.00	105.74	4823.28	1325.84	5925.00	5271.95		0.10	-0.03	0.029
34.00	-41.32	-0.80	0.00	-104.13	0.00	104.13	4800.99	1313.58	5815.91	5198.66		0.11	-0.03	0.029
36.00	-40.78	-0.80	0.00	-102.53	0.00	102.53	4778.28	1301.31	5707.83	5125.37		0.13	-0.04	0.029
38.00	-40.25	-0.81	0.00	-100.92	0.00	100.92	4755.15	1289.05	5600.76	5052.10		0.14	-0.04	0.028
40.00	-39.72	-0.81	0.00	-99.31	0.00	99.31	4731.61	1276.79	5494.70	4978.87		0.16	-0.04	0.028
42.00	-39.20	-0.81	0.00	-97.69	0.00	97.69	4707.65	1264.52	5389.66	4905.68		0.18	-0.04	0.028
43.92	-38.70	-0.81	0.00	-96.14	0.00	96.14	4684.30	1252.77	5289.95	4835.60		0.19	-0.04	0.028
44.00	-38.66	-0.81	0.00	-96.08	0.00	96.08	4683.27	1252.26	5285.64	4832.55		0.20	-0.04	0.028
46.00	-37.71	-0.81	0.00	-94.46	0.00	94.46	4658.48	1240.00	5182.62	4759.49		0.21	-0.05	0.028
48.00	-36.77	-0.81	0.00	-92.84	0.00	92.84	4633.27	1227.74	5080.62	4686.52		0.23	-0.05	0.028
50.00	-35.84	-0.81	0.00	-91.23	0.00	91.23	4607.64	1215.47	4979.64	4613.64		0.26	-0.05	0.028
51.00	-35.38	-0.81	0.00	-90.42	0.00	90.42	4157.28	1142.33	4736.69	4216.21		0.27	-0.05	0.030
52.00	-35.14	-0.81	0.00	-89.61	0.00	89.61	4146.96	1136.64	4689.60	4184.61		0.28	-0.05	0.030
54.00	-34.67	-0.81	0.00	-88.00	0.00	88.00	4126.01	1125.25	4596.10	4121.41		0.30	-0.06	0.030
56.00	-34.20	-0.81	0.00	-86.38	0.00	86.38	4104.64	1113.86	4503.55	4058.23		0.33	-0.06	0.030
58.00	-33.73	-0.81	0.00	-84.76	0.00	84.76	4082.85	1102.48	4411.95	3995.08		0.35	-0.06	0.029
60.00	-33.27	-0.81	0.00	-83.14	0.00	83.14	4060.64	1091.09	4321.28	3931.97		0.38	-0.06	0.029
62.00	-32.81	-0.81	0.00	-81.52	0.00	81.52	4038.02	1079.70	4231.55	3868.91		0.40	-0.07	0.029
64.00	-32.36	-0.81	0.00	-79.90	0.00	79.90	4014.98	1068.31	4142.77	3805.92		0.43	-0.07	0.029
66.00	-31.91	-0.81	0.00	-78.28	0.00	78.28	3991.52	1056.93	4054.92	3743.01		0.46	-0.07	0.029
68.00	-31.47	-0.81	0.00	-76.65	0.00	76.65	3967.65	1045.54	3968.02	3680.19		0.49	-0.07	0.029
70.00	-31.02	-0.81	0.00	-75.03	0.00	75.03	3943.36	1034.15	3882.06	3617.47		0.52	-0.08	0.029
72.00	-30.59	-0.81	0.00	-73.40	0.00	73.40	3918.66	1022.77	3797.04	3554.87		0.56	-0.08	0.028
74.00	-30.16	-0.81	0.00	-71.77	0.00	71.77	3893.54	1011.38	3712.96	3492.40		0.59	-0.08	0.028
76.00	-29.73	-0.81	0.00	-70.15	0.00	70.15	3868.00	999.99	3629.83	3430.07		0.63	-0.09	0.028
78.00	-29.30	-0.81	0.00	-68.52	0.00	68.52	3842.04	988.61	3547.63	3367.90		0.66	-0.09	0.028
80.00	-28.88	-0.81	0.00	-66.89	0.00	66.89	3815.67	977.22	3466.38	3305.90		0.70	-0.09	0.028
82.00	-28.47	-0.81	0.00	-65.26	0.00	65.26	3788.88	965.83	3386.07	3244.07		0.74	-0.09	0.028
84.00	-28.06	-0.81	0.00	-63.63	0.00	63.63	3761.67	954.44	3306.69	3182.44		0.78	-0.10	0.027
86.00	-27.65	-0.81	0.00	-62.00	0.00	62.00	3734.05	943.06	3228.26	3121.02		0.82	-0.10	0.027
88.00	-27.25	-0.81	0.00	-60.37	0.00	60.37	3706.01	931.67	3150.77	3059.82		0.87	-0.10	0.027

Calculated Forces

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

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90.00	-26.85	-0.81	0.00	-58.74	0.00	58.74	3677.55	920.28	3074.23	2998.84	0.91	-0.11	0.027
90.17	-26.81	-0.81	0.00	-58.61	0.00	58.61	3675.16	919.33	3067.89	2993.77	0.91	-0.11	0.027
92.00	-26.19	-0.81	0.00	-57.12	0.00	57.12	3648.68	908.90	2998.62	2938.12	0.95	-0.11	0.027
94.00	-25.51	-0.81	0.00	-55.49	0.00	55.49	3619.39	897.51	2923.96	2877.64	1.00	-0.11	0.026
96.00	-24.84	-0.81	0.00	-53.87	0.00	53.87	2873.56	764.37	2506.37	2303.28	1.05	-0.12	0.032
98.00	-24.51	-0.81	0.00	-52.25	0.00	52.25	2853.66	754.73	2443.58	2258.25	1.10	-0.12	0.032
100.00	-24.17	-0.81	0.00	-50.63	0.00	50.63	2833.34	745.10	2381.59	2213.29	1.15	-0.12	0.031
102.00	-23.84	-0.81	0.00	-49.01	0.00	49.01	2812.61	735.46	2320.39	2168.43	1.20	-0.13	0.031
104.00	-23.51	-0.81	0.00	-47.40	0.00	47.40	2791.46	725.83	2259.99	2123.68	1.25	-0.13	0.031
106.00	-23.19	-0.81	0.00	-45.78	0.00	45.78	2769.89	716.19	2200.39	2079.04	1.31	-0.13	0.030
108.00	-22.87	-0.81	0.00	-44.16	0.00	44.16	2747.90	706.55	2141.58	2034.53	1.37	-0.14	0.030
110.00	-22.55	-0.81	0.00	-42.54	0.00	42.54	2725.50	696.92	2083.57	1990.17	1.42	-0.14	0.030
112.00	-22.24	-0.81	0.00	-40.92	0.00	40.92	2702.68	687.28	2026.36	1945.97	1.48	-0.14	0.029
114.00	-21.93	-0.81	0.00	-39.30	0.00	39.30	2679.45	677.65	1969.94	1901.93	1.54	-0.15	0.029
116.00	-21.62	-0.81	0.00	-37.68	0.00	37.68	2655.79	668.01	1914.32	1858.08	1.61	-0.15	0.028
118.00	-21.32	-0.81	0.00	-36.06	0.00	36.06	2631.73	658.38	1859.50	1814.42	1.67	-0.15	0.028
120.00	-21.02	-0.81	0.00	-34.44	0.00	34.44	2607.24	648.74	1805.47	1770.96	1.74	-0.16	0.028
122.00	-20.73	-0.81	0.00	-32.83	0.00	32.83	2582.34	639.11	1752.24	1727.73	1.80	-0.16	0.027
124.00	-20.43	-0.81	0.00	-31.21	0.00	31.21	2557.02	629.47	1699.80	1684.74	1.87	-0.17	0.027
126.00	-20.15	-0.81	0.00	-29.59	0.00	29.59	2531.28	619.84	1648.16	1641.98	1.94	-0.17	0.026
128.00	-19.86	-0.81	0.00	-27.97	0.00	27.97	2505.13	610.20	1597.32	1599.49	2.01	-0.17	0.025
130.00	-19.58	-0.81	0.00	-26.36	0.00	26.36	2478.56	600.57	1547.28	1557.27	2.09	-0.18	0.025
132.00	-19.30	-0.81	0.00	-24.74	0.00	24.74	2451.58	590.93	1498.03	1515.33	2.16	-0.18	0.024
133.33	-19.12	-0.81	0.00	-23.66	0.00	23.66	2433.35	584.51	1465.64	1487.53	2.21	-0.18	0.024
134.00	-18.97	-0.81	0.00	-23.13	0.00	23.13	2424.17	581.30	1449.58	1473.69	2.24	-0.18	0.024
136.00	-18.55	-0.80	0.00	-21.51	0.00	21.51	2396.35	571.66	1401.92	1432.35	2.32	-0.19	0.023
138.00	-18.13	-0.80	0.00	-19.90	0.00	19.90	1545.45	417.14	1026.36	929.77	2.40	-0.19	0.033
140.00	-15.54	-0.72	0.00	-18.30	0.00	18.30	1531.69	410.13	992.17	905.88	2.48	-0.19	0.030
142.00	-15.34	-0.72	0.00	-16.85	0.00	16.85	1517.50	403.12	958.56	882.03	2.56	-0.20	0.029
144.00	-15.13	-0.72	0.00	-15.41	0.00	15.41	1502.90	396.11	925.52	858.22	2.64	-0.20	0.028
146.00	-14.93	-0.72	0.00	-13.97	0.00	13.97	1487.88	389.11	893.06	834.49	2.73	-0.20	0.027
148.00	-14.73	-0.72	0.00	-12.53	0.00	12.53	1472.45	382.10	861.19	810.82	2.81	-0.21	0.025
150.00	-12.06	-0.62	0.00	-11.08	0.00	11.08	1456.60	375.09	829.89	787.25	2.90	-0.21	0.022
152.00	-11.89	-0.62	0.00	-9.84	0.00	9.84	1440.33	368.08	799.17	763.78	2.99	-0.21	0.021
154.00	-11.72	-0.62	0.00	-8.60	0.00	8.60	1423.65	361.08	769.03	740.42	3.08	-0.22	0.020
156.00	-11.55	-0.62	0.00	-7.36	0.00	7.36	1406.55	354.07	739.47	717.20	3.17	-0.22	0.018
158.00	-8.10	-0.44	0.00	-6.12	0.00	6.12	1389.03	347.06	710.49	694.11	3.27	-0.22	0.015
160.00	-7.93	-0.44	0.00	-5.24	0.00	5.24	1371.10	340.05	682.09	671.17	3.36	-0.22	0.014
162.00	-7.80	-0.44	0.00	-4.36	0.00	4.36	1352.75	333.05	654.27	648.41	3.45	-0.23	0.012
164.00	-7.66	-0.44	0.00	-3.48	0.00	3.48	1333.98	326.04	627.03	625.81	3.55	-0.23	0.011
166.00	-4.04	-0.22	0.00	-2.61	0.00	2.61	1314.79	319.03	600.37	603.42	3.65	-0.23	0.007
168.00	-3.91	-0.22	0.00	-2.17	0.00	2.17	1295.19	312.03	574.28	581.22	3.74	-0.23	0.007
170.00	-3.80	-0.22	0.00	-1.73	0.00	1.73	1275.17	305.02	548.78	559.24	3.84	-0.23	0.006
172.00	-3.68	-0.22	0.00	-1.30	0.00	1.30	1251.65	298.01	523.85	536.17	3.94	-0.23	0.005
174.00	-3.56	-0.22	0.00	-0.86	0.00	0.86	1222.21	291.00	499.51	511.11	4.03	-0.23	0.005
176.00	-3.45	-0.22	0.00	-0.43	0.00	0.43	1192.78	284.00	475.74	486.64	4.13	-0.23	0.004
178.00	-0.10	0.00	0.00	0.00	0.00	0.00	1163.35	276.99	452.55	462.78	4.23	-0.23	0.000
180.00	0.00	0.00	0.00	0.00	0.00	0.00	1133.92	269.98	429.95	439.52	4.33	-0.23	0.000

Wind Loading - Shaft

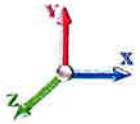
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 45	

IES Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 27

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	6.602	7.26	294.63	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	6.602	7.26	292.27	0.950	0.000	2.00	10.655	10.12	73.5	0.0	587.8
4.00		1.00	0.85	6.602	7.26	289.91	0.950	0.000	2.00	10.569	10.04	72.9	0.0	583.1
6.00		1.00	0.85	6.602	7.26	287.56	0.950	0.000	2.00	10.484	9.96	72.3	0.0	578.3
8.00		1.00	0.85	6.602	7.26	285.20	0.950	0.000	2.00	10.398	9.88	71.7	0.0	573.6
10.00		1.00	0.85	6.602	7.26	282.84	0.950	0.000	2.00	10.313	9.80	71.1	0.0	568.8
12.00		1.00	0.85	6.602	7.26	280.49	0.950	0.000	2.00	10.227	9.72	70.6	0.0	564.1
14.00		1.00	0.85	6.602	7.26	278.13	0.950	0.000	2.00	10.142	9.63	70.0	0.0	559.3
16.00		1.00	0.86	6.684	7.35	277.47	0.950	0.000	2.00	10.056	9.55	70.2	0.0	554.6
18.00		1.00	0.88	6.851	7.54	278.53	0.950	0.000	2.00	9.970	9.47	71.4	0.0	549.8
20.00		1.00	0.90	7.005	7.71	279.21	0.950	0.000	2.00	9.885	9.39	72.4	0.0	545.0
22.00		1.00	0.92	7.147	7.86	279.57	0.950	0.000	2.00	9.799	9.31	73.2	0.0	540.3
24.00		1.00	0.94	7.279	8.01	279.67	0.950	0.000	2.00	9.714	9.23	73.9	0.0	535.5
26.00		1.00	0.95	7.403	8.14	279.54	0.950	0.000	2.00	9.628	9.15	74.5	0.0	530.8
28.00		1.00	0.97	7.519	8.27	279.21	0.950	0.000	2.00	9.542	9.07	75.0	0.0	526.0
30.00		1.00	0.98	7.629	8.39	278.72	0.950	0.000	2.00	9.457	8.98	75.4	0.0	521.3
32.00		1.00	1.00	7.734	8.51	278.06	0.950	0.000	2.00	9.371	8.90	75.7	0.0	516.5
34.00		1.00	1.01	7.833	8.62	277.28	0.950	0.000	2.00	9.286	8.82	76.0	0.0	511.8
36.00		1.00	1.02	7.928	8.72	276.37	0.950	0.000	2.00	9.200	8.74	76.2	0.0	507.0
38.00		1.00	1.03	8.019	8.82	275.35	0.950	0.000	2.00	9.115	8.66	76.4	0.0	502.2
40.00		1.00	1.04	8.106	8.92	274.23	0.950	0.000	2.00	9.029	8.58	76.5	0.0	497.5
42.00		1.00	1.05	8.189	9.01	273.01	0.950	0.000	2.00	8.943	8.50	76.5	0.0	492.7
43.92 Bot - Section 2		1.00	1.06	8.267	9.09	271.77	0.950	0.000	1.92	8.490	8.07	73.3	0.0	467.7
44.00		1.00	1.06	8.270	9.10	271.71	0.950	0.000	0.08	0.373	0.35	3.2	0.0	39.3
46.00		1.00	1.07	8.348	9.18	270.34	0.950	0.000	2.00	8.912	8.47	77.7	0.0	939.4
48.00		1.00	1.08	8.423	9.27	268.89	0.950	0.000	2.00	8.827	8.39	77.7	0.0	930.3
50.00		1.00	1.09	8.495	9.34	267.37	0.950	0.000	2.00	8.741	8.30	77.6	0.0	921.1
51.00 Top - Section 1		1.00	1.10	8.531	9.38	266.59	0.950	0.000	1.00	4.339	4.12	38.7	0.0	457.1
52.00		1.00	1.10	8.566	9.42	270.19	0.950	0.000	1.00	4.317	4.10	38.6	0.0	220.9
54.00		1.00	1.11	8.634	9.50	268.57	0.950	0.000	2.00	8.570	8.14	77.3	0.0	438.6
56.00		1.00	1.12	8.701	9.57	266.90	0.950	0.000	2.00	8.485	8.06	77.1	0.0	434.1
58.00		1.00	1.13	8.765	9.64	265.17	0.950	0.000	2.00	8.399	7.98	76.9	0.0	429.7
60.00		1.00	1.14	8.828	9.71	263.39	0.950	0.000	2.00	8.313	7.90	76.7	0.0	425.3
62.00		1.00	1.14	8.889	9.78	261.57	0.950	0.000	2.00	8.228	7.82	76.4	0.0	420.9
64.00		1.00	1.15	8.949	9.84	259.70	0.950	0.000	2.00	8.142	7.74	76.1	0.0	416.5
66.00		1.00	1.16	9.007	9.91	257.79	0.950	0.000	2.00	8.057	7.65	75.8	0.0	412.1
68.00		1.00	1.17	9.064	9.97	255.84	0.950	0.000	2.00	7.971	7.57	75.5	0.0	407.6
70.00		1.00	1.17	9.119	10.03	253.85	0.950	0.000	2.00	7.885	7.49	75.1	0.0	403.2
72.00		1.00	1.18	9.173	10.09	251.83	0.950	0.000	2.00	7.800	7.41	74.8	0.0	398.8
74.00		1.00	1.19	9.226	10.15	249.77	0.950	0.000	2.00	7.714	7.33	74.4	0.0	394.4
76.00		1.00	1.19	9.278	10.21	247.67	0.950	0.000	2.00	7.629	7.25	74.0	0.0	390.0
78.00		1.00	1.20	9.329	10.26	245.55	0.950	0.000	2.00	7.543	7.17	73.5	0.0	385.6
80.00		1.00	1.21	9.379	10.32	243.40	0.950	0.000	2.00	7.458	7.08	73.1	0.0	381.2
82.00		1.00	1.21	9.428	10.37	241.21	0.950	0.000	2.00	7.372	7.00	72.6	0.0	376.7
84.00		1.00	1.22	9.476	10.42	239.00	0.950	0.000	2.00	7.286	6.92	72.2	0.0	372.3
86.00		1.00	1.23	9.523	10.48	236.76	0.950	0.000	2.00	7.201	6.84	71.7	0.0	367.9
88.00		1.00	1.23	9.569	10.53	234.50	0.950	0.000	2.00	7.115	6.76	71.2	0.0	363.5

Wind Loading - Shaft

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1
Topography: 1

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

7/11/2023

Tower Engineering Solutions

90.00	1.00	1.24	9.615	10.58	232.21	0.950	0.000	2.00	7.030	6.68	70.6	0.0	359.1
90.17 Bot - Section 3	1.00	1.24	9.618	10.58	232.02	0.950	0.000	0.17	0.582	0.55	5.8	0.0	29.7
92.00	1.00	1.24	9.659	10.63	229.90	0.950	0.000	1.83	6.471	6.15	65.3	0.0	605.1
94.00	1.00	1.25	9.703	10.67	227.56	0.950	0.000	2.00	6.977	6.63	70.7	0.0	652.3
96.00 Top - Section 2	1.00	1.25	9.746	10.72	225.20	0.950	0.000	2.00	6.891	6.55	70.2	0.0	644.1
98.00	1.00	1.26	9.788	10.77	226.80	0.950	0.000	2.00	6.806	6.47	69.6	0.0	294.5
100.00	1.00	1.27	9.830	10.81	224.41	0.950	0.000	2.00	6.720	6.38	69.0	0.0	290.8
102.00	1.00	1.27	9.871	10.86	221.99	0.950	0.000	2.00	6.635	6.30	68.4	0.0	287.1
104.00	1.00	1.28	9.912	10.90	219.56	0.950	0.000	2.00	6.549	6.22	67.8	0.0	283.3
106.00	1.00	1.28	9.951	10.95	217.11	0.950	0.000	2.00	6.464	6.14	67.2	0.0	279.6
108.00	1.00	1.29	9.991	10.99	214.63	0.950	0.000	2.00	6.378	6.06	66.6	0.0	275.9
110.00	1.00	1.29	10.029	11.03	212.14	0.950	0.000	2.00	6.292	5.98	65.9	0.0	272.1
112.00	1.00	1.30	10.068	11.07	209.64	0.950	0.000	2.00	6.207	5.90	65.3	0.0	268.4
114.00	1.00	1.30	10.105	11.12	207.11	0.950	0.000	2.00	6.121	5.82	64.6	0.0	264.6
116.00	1.00	1.31	10.142	11.16	204.57	0.950	0.000	2.00	6.036	5.73	64.0	0.0	260.9
118.00	1.00	1.31	10.179	11.20	202.01	0.950	0.000	2.00	5.950	5.65	63.3	0.0	257.2
120.00	1.00	1.32	10.215	11.24	199.44	0.950	0.000	2.00	5.864	5.57	62.6	0.0	253.4
122.00	1.00	1.32	10.250	11.28	196.85	0.950	0.000	2.00	5.779	5.49	61.9	0.0	249.7
124.00	1.00	1.32	10.286	11.31	194.24	0.950	0.000	2.00	5.693	5.41	61.2	0.0	246.0
126.00	1.00	1.33	10.320	11.35	191.62	0.950	0.000	2.00	5.608	5.33	60.5	0.0	242.2
128.00	1.00	1.33	10.355	11.39	188.99	0.950	0.000	2.00	5.522	5.25	59.8	0.0	238.5
130.00	1.00	1.34	10.388	11.43	186.34	0.950	0.000	2.00	5.437	5.16	59.0	0.0	234.8
132.00	1.00	1.34	10.422	11.46	183.68	0.950	0.000	2.00	5.351	5.08	58.3	0.0	231.0
133.33 Bot - Section 4	1.00	1.34	10.444	11.49	181.90	0.950	0.000	1.33	3.520	3.34	38.4	0.0	151.9
134.00	1.00	1.35	10.455	11.50	181.00	0.950	0.000	0.67	1.774	1.69	19.4	0.0	131.2
136.00	1.00	1.35	10.488	11.54	178.32	0.950	0.000	2.00	5.266	5.00	57.7	0.0	389.4
138.00 Top - Section 3	1.00	1.35	10.520	11.57	175.62	0.950	0.000	2.00	5.181	4.92	57.0	0.0	382.9
140.00 Appurtenance(s)	1.00	1.36	10.552	11.61	175.91	0.950	0.000	2.00	5.095	4.84	56.2	0.0	160.4
142.00	1.00	1.36	10.583	11.64	173.18	0.950	0.000	2.00	5.009	4.76	55.4	0.0	157.7
144.00	1.00	1.37	10.615	11.68	170.45	0.950	0.000	2.00	4.924	4.68	54.6	0.0	155.0
146.00	1.00	1.37	10.645	11.71	167.70	0.950	0.000	2.00	4.838	4.60	53.8	0.0	152.2
148.00	1.00	1.37	10.676	11.74	164.95	0.950	0.000	2.00	4.753	4.51	53.0	0.0	149.5
150.00 Appurtenance(s)	1.00	1.38	10.706	11.78	162.18	0.950	0.000	2.00	4.667	4.43	52.2	0.0	146.8
152.00	1.00	1.38	10.736	11.81	159.40	0.950	0.000	2.00	4.581	4.35	51.4	0.0	144.1
154.00	1.00	1.39	10.766	11.84	156.61	0.950	0.000	2.00	4.496	4.27	50.6	0.0	141.4
156.00	1.00	1.39	10.795	11.87	153.81	0.950	0.000	2.00	4.410	4.19	49.8	0.0	138.7
158.00 Appurtenance(s)	1.00	1.39	10.824	11.91	151.00	0.950	0.000	2.00	4.325	4.11	48.9	0.0	135.9
160.00	1.00	1.40	10.853	11.94	148.18	0.950	0.000	2.00	4.239	4.03	48.1	0.0	133.2
162.00	1.00	1.40	10.881	11.97	145.34	0.950	0.000	2.00	4.154	3.95	47.2	0.0	130.5
164.00	1.00	1.40	10.909	12.00	142.50	0.950	0.000	2.00	4.068	3.86	46.4	0.0	127.8
166.00 Appurtenance(s)	1.00	1.41	10.937	12.03	139.65	0.950	0.000	2.00	3.982	3.78	45.5	0.0	125.1
168.00	1.00	1.41	10.965	12.06	136.79	0.950	0.000	2.00	3.897	3.70	44.6	0.0	122.4
170.00	1.00	1.42	10.992	12.09	133.92	0.950	0.000	2.00	3.811	3.62	43.8	0.0	119.6
172.00	1.00	1.42	11.019	12.12	131.04	0.950	0.000	2.00	3.726	3.54	42.9	0.0	116.9
174.00	1.00	1.42	11.046	12.15	128.15	0.950	0.000	2.00	3.640	3.46	42.0	0.0	114.2
176.00	1.00	1.43	11.073	12.18	125.25	0.950	0.000	2.00	3.554	3.38	41.1	0.0	111.5
178.00 Appurtenance(s)	1.00	1.43	11.099	12.21	122.34	0.950	0.000	2.00	3.469	3.30	40.2	0.0	108.8
180.00	1.00	1.43	11.125	12.24	119.43	0.950	0.000	2.00	3.383	3.21	39.3	0.0	106.1
							Totals:	**180.00**			**5,894.3**		**33,413.9**

Discrete Appurtenance Forces

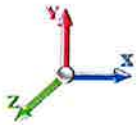
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 47	

TES Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 27

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	178.00	BSF0020F3V1-1	2	11.099	12.209	0.68	0.75	1.30	35.20	0.000	0.000	15.82	0.00	0.00
2	178.00	VZS01	3	11.099	12.209	0.52	0.75	6.68	261.30	0.000	0.000	81.50	0.00	0.00
3	178.00	Platform w/ Handrails w/	1	11.099	12.209	1.00	1.00	40.00	2202.20	0.000	0.000	488.35	0.00	0.00
4	178.00	Raycap	1	11.099	12.209	0.75	0.75	1.96	32.00	0.000	0.000	23.90	0.00	0.00
5	178.00	Samsung B5/B13 RRH	3	11.099	12.209	0.38	0.75	2.50	210.90	0.000	0.000	30.49	0.00	0.00
6	178.00	Samsung B2/B66A RRH	3	11.099	12.209	0.38	0.75	2.11	253.20	0.000	0.000	25.82	0.00	0.00
7	178.00	JMA MX06FRO660-03	6	11.099	12.209	0.65	0.75	38.64	360.00	0.000	0.000	471.76	0.00	0.00
8	178.00	91900314	3	11.099	12.209	1.00	1.00	0.00	76.05	0.000	0.000	0.00	0.00	0.00
9	166.00	Sitepro	1	10.937	12.031	0.75	0.75	5.03	230.00	0.000	0.000	60.45	0.00	0.00
10	166.00	Sitepro	1	10.937	12.031	0.75	0.75	5.25	406.61	0.000	0.000	63.16	0.00	0.00
11	166.00	RFS APXVTM14-C-I20	3	10.937	12.031	0.58	0.75	10.98	168.60	0.000	0.000	132.15	0.00	0.00
12	166.00	Platform w/ Hand Rails	1	10.937	12.031	1.00	1.00	40.00	2000.00	0.000	0.000	481.23	0.00	0.00
13	166.00	ALU 800 Mhz	6	10.937	12.031	0.38	0.75	5.60	318.00	0.000	0.000	67.40	0.00	0.00
14	166.00	Commscope	3	10.937	12.031	0.55	0.75	20.43	232.20	0.000	0.000	245.78	0.00	0.00
15	166.00	ALU 1900 Mhz	3	10.937	12.031	0.38	0.75	4.27	132.00	0.000	0.000	51.43	0.00	0.00
16	166.00	ALU TD-RRH8x20-25	3	10.937	12.031	0.38	0.75	4.56	210.00	0.000	0.000	54.82	0.00	0.00
17	158.00	V-Brace	1	10.824	11.906	0.75	0.75	3.97	197.00	0.000	0.000	47.33	0.00	0.00
18	158.00	T-Arm Kit	3	10.824	11.906	0.56	0.75	6.75	1500.00	0.000	0.000	80.37	0.00	0.00
19	158.00	4449 B71+B12	3	10.853	11.938	0.40	0.80	1.98	210.00	0.000	2.000	23.64	0.00	47.27
20	158.00	KRY 112 144/2	3	10.853	11.938	0.40	0.80	0.78	46.20	0.000	2.000	9.31	0.00	18.62
21	158.00	KRY 112 489/2	3	10.853	11.938	0.40	0.80	0.78	46.20	0.000	2.000	9.31	0.00	18.62
22	158.00	APXVAARR24_43-U-NA2	3	10.853	11.938	0.56	0.80	34.00	384.00	0.000	2.000	405.93	0.00	811.85
23	158.00	RR90-17-00VDPL2/-R	3	10.853	11.938	0.54	0.80	7.12	40.50	0.000	2.000	84.94	0.00	169.89
24	158.00	T-Arms	3	10.824	11.906	0.56	0.75	13.50	1050.00	0.000	0.000	160.73	0.00	0.00
25	150.00	DMP65R-BU6DA	2	10.706	11.777	0.54	0.75	13.73	158.80	0.000	0.000	161.66	0.00	0.00
26	150.00	Powerwave 7770	3	10.706	11.777	0.55	0.75	9.05	105.00	0.000	0.000	106.58	0.00	0.00
27	150.00	DMP65R-BU4DA	1	10.706	11.777	0.54	0.75	6.86	79.40	0.000	0.000	80.83	0.00	0.00
28	150.00	Powerwave LGP21401	6	10.706	11.777	0.38	0.75	2.75	84.60	0.000	0.000	32.33	0.00	0.00
29	150.00	B2 B66A 8843	3	10.706	11.777	0.38	0.75	1.84	210.00	0.000	0.000	21.73	0.00	0.00
30	150.00	Raycap DC6-48-60-18-8F	1	10.706	11.777	0.50	0.75	0.91	31.80	0.000	0.000	10.71	0.00	0.00
31	150.00	Platform w/ Hand Rail	1	10.706	11.777	1.00	1.00	35.00	1600.00	0.000	0.000	412.19	0.00	0.00
32	150.00	Cci HPA-65R-BUU-H6	2	10.706	11.777	0.64	0.75	12.32	102.00	0.000	0.000	145.05	0.00	0.00
33	150.00	SBNHH-1D65A	1	10.706	11.777	0.62	0.75	3.66	33.50	0.000	0.000	43.11	0.00	0.00
34	150.00	4449 B5/B12	3	10.706	11.777	0.38	0.75	2.22	213.00	0.000	0.000	26.10	0.00	0.00
35	140.00	Raycap	1	10.552	11.607	0.75	0.75	1.51	21.90	0.000	0.000	17.50	0.00	0.00
36	140.00	Fujitsu TA08025-B604	3	10.552	11.607	0.38	0.75	2.21	191.70	0.000	0.000	25.59	0.00	0.00
37	140.00	Fujitsu TA08025-B605	3	10.552	11.607	0.38	0.75	2.21	225.00	0.000	0.000	25.59	0.00	0.00
38	140.00	Sitepro1 SNP8HR-3XX	1	10.552	11.607	1.00	1.00	37.59	1876.00	0.000	0.000	436.30	0.00	0.00
39	140.00	JMA Wireless	3	10.552	11.607	0.55	0.75	20.80	193.50	0.000	0.000	241.38	0.00	0.00
							Totals:		**15,728.36**			**4,902.27**		

Total Applied Force Summary

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 48	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 27

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		73.51	590.47	0.00	0.00
4.00		72.92	616.10	0.00	0.00
6.00		72.33	641.73	0.00	0.00
8.00		71.74	636.97	0.00	0.00
10.00		71.15	632.22	0.00	0.00
12.00		70.56	627.46	0.00	0.00
14.00		69.97	622.71	0.00	0.00
16.00		70.23	617.95	0.00	0.00
18.00		71.38	613.20	0.00	0.00
20.00		72.36	608.44	0.00	0.00
22.00		73.19	603.69	0.00	0.00
24.00		73.89	598.93	0.00	0.00
26.00		74.48	594.18	0.00	0.00
28.00		74.98	589.42	0.00	0.00
30.00		75.40	584.67	0.00	0.00
32.00		75.74	579.91	0.00	0.00
34.00		76.01	575.16	0.00	0.00
36.00		76.22	570.40	0.00	0.00
38.00		76.37	565.64	0.00	0.00
40.00		76.48	560.89	0.00	0.00
42.00		76.54	556.13	0.00	0.00
43.92		73.35	528.50	0.00	0.00
44.00		3.23	41.98	0.00	0.00
46.00		77.75	1002.84	0.00	0.00
48.00		77.69	993.67	0.00	0.00
50.00		77.60	984.50	0.00	0.00
51.00		38.68	488.81	0.00	0.00
52.00		38.64	252.63	0.00	0.00
54.00		77.33	501.96	0.00	0.00
56.00		77.14	497.54	0.00	0.00
58.00		76.93	493.12	0.00	0.00
60.00		76.69	488.71	0.00	0.00
62.00		76.43	484.29	0.00	0.00
64.00		76.14	479.88	0.00	0.00
66.00		75.83	475.46	0.00	0.00
68.00		75.50	471.05	0.00	0.00
70.00		75.14	466.63	0.00	0.00
72.00		74.77	462.22	0.00	0.00
74.00		74.38	457.80	0.00	0.00
76.00		73.97	453.38	0.00	0.00
78.00		73.54	448.97	0.00	0.00
80.00		73.09	444.55	0.00	0.00
82.00		72.63	440.14	0.00	0.00
84.00		72.15	435.72	0.00	0.00
86.00		71.66	431.31	0.00	0.00
88.00		71.15	426.89	0.00	0.00

Total Applied Force Summary

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 49	

Tower Engineering Solutions

90.00		70.63	422.47	0.00	0.00
90.17		5.85	35.01	0.00	0.00
92.00		65.32	663.18	0.00	0.00
94.00		70.74	715.65	0.00	0.00
96.00		70.19	707.50	0.00	0.00
98.00		69.62	357.94	0.00	0.00
100.00		69.03	354.20	0.00	0.00
102.00		68.44	350.46	0.00	0.00
104.00		67.83	346.73	0.00	0.00
106.00		67.22	342.99	0.00	0.00
108.00		66.59	339.25	0.00	0.00
110.00		65.95	335.52	0.00	0.00
112.00		65.30	331.78	0.00	0.00
114.00		64.64	328.05	0.00	0.00
116.00		63.97	324.31	0.00	0.00
118.00		63.29	320.57	0.00	0.00
120.00		62.60	316.84	0.00	0.00
122.00		61.90	313.10	0.00	0.00
124.00		61.19	309.36	0.00	0.00
126.00		60.48	305.63	0.00	0.00
128.00		59.75	301.89	0.00	0.00
130.00		59.02	298.16	0.00	0.00
132.00		58.28	294.42	0.00	0.00
133.33		38.41	194.20	0.00	0.00
134.00		19.39	152.36	0.00	0.00
136.00		57.71	452.78	0.00	0.00
138.00		56.95	446.33	0.00	0.00
140.00	(11) attachments	802.54	2731.90	0.00	0.00
142.00		55.40	219.08	0.00	0.00
144.00		54.62	216.36	0.00	0.00
146.00		53.82	213.64	0.00	0.00
148.00		53.02	210.93	0.00	0.00
150.00	(23) attachments	1092.49	2826.31	0.00	0.00
152.00		51.40	185.55	0.00	0.00
154.00		50.58	182.84	0.00	0.00
156.00		49.75	180.12	0.00	0.00
158.00	(22) attachments	870.47	3651.30	0.00	1066.26
160.00		48.08	174.68	0.00	0.00
162.00		47.23	144.93	0.00	0.00
164.00		46.37	142.21	0.00	0.00
166.00	(21) attachments	1201.94	3836.90	0.00	0.00
168.00		44.65	129.14	0.00	0.00
170.00		43.78	126.42	0.00	0.00
172.00		42.90	123.71	0.00	0.00
174.00		42.02	120.99	0.00	0.00
176.00		41.13	118.27	0.00	0.00
178.00	(22) attachments	1177.88	3546.41	0.00	0.00
180.00		39.33	108.68	0.00	0.00
	Totals:	**10,796.52**	**54,089.88**	**0.00**	**1,066.26**

Linear Appurtenance Segment Forces (Factored)

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

TES Tower Engineering Solutions

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

Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
4.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.014	0.000	6.602	0.00	1.00
6.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	6.602	0.00	2.00
8.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	6.602	0.00	2.00
10.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.028	0.000	6.602	0.00	2.00
12.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	6.602	0.00	2.00
14.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	6.602	0.00	2.00
16.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	6.684	0.00	2.00
18.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.029	0.000	6.851	0.00	2.00
20.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	7.005	0.00	2.00
22.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	7.147	0.00	2.00
24.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	7.279	0.00	2.00
26.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.030	0.000	7.403	0.00	2.00
28.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	7.519	0.00	2.00
30.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	7.629	0.00	2.00
32.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	7.734	0.00	2.00
34.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.031	0.000	7.833	0.00	2.00
36.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	7.928	0.00	2.00
38.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.019	0.00	2.00
40.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.032	0.000	8.106	0.00	2.00
42.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	8.189	0.00	2.00
43.92	1.75" Hybrid	Yes	1.92	0.000	1.75	0.28	0.00	0.033	0.000	8.267	0.00	1.92
44.00	1.75" Hybrid	Yes	0.08	0.000	1.75	0.01	0.00	0.033	0.000	8.270	0.00	0.08
46.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.033	0.000	8.348	0.00	2.00
48.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.423	0.00	2.00
50.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.495	0.00	2.00
51.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.034	0.000	8.531	0.00	1.00
52.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.034	0.000	8.566	0.00	1.00
54.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.634	0.00	2.00
56.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.034	0.000	8.701	0.00	2.00
58.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.765	0.00	2.00
60.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.828	0.00	2.00
62.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.035	0.000	8.889	0.00	2.00
64.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	8.949	0.00	2.00
66.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.036	0.000	9.007	0.00	2.00
68.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	9.064	0.00	2.00
70.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	9.119	0.00	2.00
72.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.037	0.000	9.173	0.00	2.00
74.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	9.226	0.00	2.00
76.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.038	0.000	9.278	0.00	2.00
78.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	9.329	0.00	2.00
80.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.039	0.000	9.379	0.00	2.00
82.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	9.428	0.00	2.00
84.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.040	0.000	9.476	0.00	2.00
86.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	9.523	0.00	2.00
88.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	9.569	0.00	2.00
90.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.041	0.000	9.615	0.00	2.00
90.17	1.75" Hybrid	Yes	0.17	0.000	1.75	0.02	0.00	0.042	0.000	9.618	0.00	0.17

Linear Appurtenance Segment Forces (Factored)

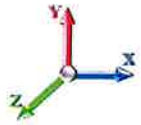
Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 51	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 27

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
92.00	1.75" Hybrid	Yes	1.83	0.000	1.75	0.27	0.00	0.042	0.000	9.659	0.00	1.83
94.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	9.703	0.00	2.00
96.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	9.746	0.00	2.00
98.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	9.788	0.00	2.00
100.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.043	0.000	9.830	0.00	2.00
102.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.044	0.000	9.871	0.00	2.00
104.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	9.912	0.00	2.00
106.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.045	0.000	9.951	0.00	2.00
108.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	9.991	0.00	2.00
110.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.046	0.000	10.029	0.00	2.00
112.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.047	0.000	10.068	0.00	2.00
114.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	10.105	0.00	2.00
116.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.048	0.000	10.142	0.00	2.00
118.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.049	0.000	10.179	0.00	2.00
120.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	10.215	0.00	2.00
122.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.050	0.000	10.250	0.00	2.00
124.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.051	0.000	10.286	0.00	2.00
126.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.052	0.000	10.320	0.00	2.00
128.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.053	0.000	10.355	0.00	2.00
130.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.054	0.000	10.388	0.00	2.00
132.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.055	0.000	10.422	0.00	2.00
133.33	1.75" Hybrid	Yes	1.33	0.000	1.75	0.19	0.00	0.055	0.000	10.444	0.00	1.33
134.00	1.75" Hybrid	Yes	0.67	0.000	1.75	0.10	0.00	0.056	0.000	10.455	0.00	0.67
136.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.056	0.000	10.488	0.00	2.00
138.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.057	0.000	10.520	0.00	2.00
140.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.057	0.000	10.552	0.00	2.00
										Totals:	**0.0**	**137.0**

Calculated Forces

Structure: CT46130-A-SBA
Site Name: Deep River-winthrop Rd
Height: 180.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

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

7/11/2023

Tower Engineering Solutions

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

Iterations 27

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-54.09	-10.80	0.00	-1339.3	0.00	1339.33	5123.29	1522.04	7808.40	6435.29	0.00	0.000	0.000	0.219
2.00	-53.49	-10.75	0.00	-1317.7	0.00	1317.72	5107.67	1509.78	7683.09	6363.61	0.00	-0.018	0.000	0.218
4.00	-52.87	-10.69	0.00	-1296.2	0.00	1296.23	5091.62	1497.52	7558.79	6291.73	0.02	-0.036	0.000	0.216
6.00	-52.23	-10.63	0.00	-1274.8	0.00	1274.85	5075.16	1485.26	7435.50	6219.67	0.03	-0.054	0.000	0.215
8.00	-51.59	-10.58	0.00	-1253.5	0.00	1253.58	5058.29	1472.99	7313.22	6147.44	0.06	-0.073	0.000	0.214
10.00	-50.95	-10.52	0.00	-1232.4	0.00	1232.43	5041.00	1460.73	7191.96	6075.05	0.10	-0.092	0.000	0.213
12.00	-50.32	-10.47	0.00	-1211.3	0.00	1211.38	5023.29	1448.47	7071.72	6002.51	0.14	-0.110	0.000	0.212
14.00	-49.70	-10.41	0.00	-1190.4	0.00	1190.45	5005.16	1436.20	6952.48	5929.84	0.19	-0.129	0.000	0.211
16.00	-49.08	-10.36	0.00	-1169.6	0.00	1169.62	4986.62	1423.94	6834.27	5857.05	0.25	-0.148	0.000	0.210
18.00	-48.46	-10.30	0.00	-1148.9	0.00	1148.91	4967.66	1411.68	6717.06	5784.16	0.31	-0.167	0.000	0.208
20.00	-47.85	-10.24	0.00	-1128.3	0.00	1128.30	4948.29	1399.42	6600.87	5711.17	0.39	-0.187	0.000	0.207
22.00	-47.24	-10.18	0.00	-1107.8	0.00	1107.82	4928.49	1387.15	6485.69	5638.10	0.47	-0.206	0.000	0.206
24.00	-46.64	-10.12	0.00	-1087.4	0.00	1087.45	4908.28	1374.89	6371.53	5564.95	0.56	-0.226	0.000	0.205
26.00	-46.04	-10.06	0.00	-1067.2	0.00	1067.21	4887.66	1362.63	6258.37	5491.76	0.66	-0.246	0.000	0.204
28.00	-45.45	-10.00	0.00	-1047.0	0.00	1047.08	4866.62	1350.36	6146.24	5418.52	0.77	-0.266	0.000	0.203
30.00	-44.86	-9.94	0.00	-1027.0	0.00	1027.08	4845.16	1338.10	6035.11	5345.24	0.88	-0.286	0.000	0.201
32.00	-44.28	-9.88	0.00	-1007.2	0.00	1007.20	4823.28	1325.84	5925.00	5271.95	1.01	-0.306	0.000	0.200
34.00	-43.70	-9.81	0.00	-987.45	0.00	987.45	4800.99	1313.58	5815.91	5198.66	1.14	-0.327	0.000	0.199
36.00	-43.13	-9.75	0.00	-967.83	0.00	967.83	4778.28	1301.31	5707.83	5125.37	1.28	-0.347	0.000	0.198
38.00	-42.56	-9.68	0.00	-948.33	0.00	948.33	4755.15	1289.05	5600.76	5052.10	1.43	-0.368	0.000	0.197
40.00	-41.99	-9.62	0.00	-928.97	0.00	928.97	4731.61	1276.79	5494.70	4978.87	1.59	-0.389	0.000	0.196
42.00	-41.43	-9.55	0.00	-909.73	0.00	909.73	4707.65	1264.52	5389.66	4905.68	1.76	-0.410	0.000	0.194
43.92	-40.90	-9.48	0.00	-891.42	0.00	891.42	4684.30	1252.77	5289.95	4835.60	1.93	-0.431	0.000	0.193
44.00	-40.86	-9.49	0.00	-890.63	0.00	890.63	4683.27	1252.26	5285.64	4832.55	1.94	-0.431	0.000	0.193
46.00	-39.86	-9.42	0.00	-871.65	0.00	871.65	4658.48	1240.00	5182.62	4759.49	2.12	-0.453	0.000	0.192
48.00	-38.86	-9.35	0.00	-852.82	0.00	852.82	4633.27	1227.74	5080.62	4686.52	2.32	-0.475	0.000	0.190
50.00	-37.87	-9.27	0.00	-834.12	0.00	834.12	4607.64	1215.47	4979.64	4613.64	2.52	-0.496	0.000	0.189
51.00	-37.38	-9.24	0.00	-824.85	0.00	824.85	4157.28	1142.33	4736.69	4216.21	2.62	-0.507	0.000	0.205
52.00	-37.13	-9.21	0.00	-815.62	0.00	815.62	4146.96	1136.64	4689.60	4184.61	2.73	-0.519	0.000	0.204
54.00	-36.62	-9.14	0.00	-797.21	0.00	797.21	4126.01	1125.25	4596.10	4121.41	2.95	-0.541	0.000	0.202
56.00	-36.12	-9.07	0.00	-778.93	0.00	778.93	4104.64	1113.86	4503.55	4058.23	3.19	-0.564	0.000	0.201
58.00	-35.63	-9.00	0.00	-760.79	0.00	760.79	4082.85	1102.48	4411.95	3995.08	3.43	-0.587	0.000	0.199
60.00	-35.13	-8.94	0.00	-742.78	0.00	742.78	4060.64	1091.09	4321.28	3931.97	3.68	-0.610	0.000	0.198
62.00	-34.65	-8.87	0.00	-724.91	0.00	724.91	4038.02	1079.70	4231.55	3868.91	3.94	-0.633	0.000	0.196
64.00	-34.16	-8.80	0.00	-707.17	0.00	707.17	4014.98	1068.31	4142.77	3805.92	4.21	-0.657	0.000	0.194
66.00	-33.69	-8.73	0.00	-689.57	0.00	689.57	3991.52	1056.93	4054.92	3743.01	4.49	-0.680	0.000	0.193
68.00	-33.21	-8.67	0.00	-672.10	0.00	672.10	3967.65	1045.54	3968.02	3680.19	4.78	-0.704	0.000	0.191
70.00	-32.74	-8.60	0.00	-654.77	0.00	654.77	3943.36	1034.15	3882.06	3617.47	5.08	-0.728	0.000	0.189
72.00	-32.28	-8.53	0.00	-637.58	0.00	637.58	3918.66	1022.77	3797.04	3554.87	5.39	-0.752	0.000	0.188
74.00	-31.82	-8.46	0.00	-620.51	0.00	620.51	3893.54	1011.38	3712.96	3492.40	5.71	-0.776	0.000	0.186
76.00	-31.36	-8.40	0.00	-603.58	0.00	603.58	3868.00	999.99	3629.83	3430.07	6.04	-0.801	0.000	0.184
78.00	-30.91	-8.33	0.00	-586.79	0.00	586.79	3842.04	988.61	3547.63	3367.90	6.38	-0.825	0.000	0.182
80.00	-30.46	-8.27	0.00	-570.12	0.00	570.12	3815.67	977.22	3466.38	3305.90	6.73	-0.850	0.000	0.181
82.00	-30.02	-8.20	0.00	-553.59	0.00	553.59	3788.88	965.83	3386.07	3244.07	7.09	-0.875	0.000	0.179
84.00	-29.58	-8.13	0.00	-537.20	0.00	537.20	3761.67	954.44	3306.69	3182.44	7.47	-0.900	0.000	0.177
86.00	-29.15	-8.07	0.00	-520.93	0.00	520.93	3734.05	943.06	3228.26	3121.02	7.85	-0.925	0.000	0.175
88.00	-28.72	-8.00	0.00	-504.80	0.00	504.80	3706.01	931.67	3150.77	3059.82	8.24	-0.950	0.000	0.173
90.00	-28.30	-7.93	0.00	-488.80	0.00	488.80	3677.55	920.28	3074.23	2998.84	8.65	-0.976	0.000	0.171

Calculated Forces

Structure:	CT46130-A-SBA	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 53	

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90.17	-28.26	-7.93	0.00	-487.47	0.00	487.47	3675.16	919.33	3067.89	2993.77	8.68	-0.978	0.000	0.171
92.00	-27.60	-7.87	0.00	-472.93	0.00	472.93	3648.68	908.90	2998.62	2938.12	9.06	-1.001	0.000	0.169
94.00	-26.88	-7.79	0.00	-457.20	0.00	457.20	3619.39	897.51	2923.96	2877.64	9.48	-1.027	0.000	0.166
96.00	-26.17	-7.72	0.00	-441.61	0.00	441.61	2873.56	764.37	2506.37	2303.28	9.92	-1.052	0.000	0.201
98.00	-25.81	-7.66	0.00	-426.17	0.00	426.17	2853.66	754.73	2443.58	2258.25	10.37	-1.078	0.000	0.198
100.00	-25.45	-7.60	0.00	-410.85	0.00	410.85	2833.34	745.10	2381.59	2213.29	10.82	-1.107	0.000	0.195
102.00	-25.10	-7.53	0.00	-395.66	0.00	395.66	2812.61	735.46	2320.39	2168.43	11.29	-1.135	0.000	0.191
104.00	-24.75	-7.47	0.00	-380.59	0.00	380.59	2791.46	725.83	2259.99	2123.68	11.78	-1.164	0.000	0.188
106.00	-24.40	-7.41	0.00	-365.65	0.00	365.65	2769.89	716.19	2200.39	2079.04	12.27	-1.193	0.000	0.185
108.00	-24.06	-7.35	0.00	-350.83	0.00	350.83	2747.90	706.55	2141.58	2034.53	12.78	-1.222	0.000	0.181
110.00	-23.72	-7.29	0.00	-336.14	0.00	336.14	2725.50	696.92	2083.57	1990.17	13.29	-1.251	0.000	0.178
112.00	-23.39	-7.23	0.00	-321.57	0.00	321.57	2702.68	687.28	2026.36	1945.97	13.82	-1.279	0.000	0.174
114.00	-23.06	-7.17	0.00	-307.11	0.00	307.11	2679.45	677.65	1969.94	1901.93	14.37	-1.308	0.000	0.170
116.00	-22.73	-7.10	0.00	-292.79	0.00	292.79	2655.79	668.01	1914.32	1858.08	14.92	-1.336	0.000	0.166
118.00	-22.41	-7.05	0.00	-278.58	0.00	278.58	2631.73	658.38	1859.50	1814.42	15.49	-1.365	0.000	0.162
120.00	-22.09	-6.99	0.00	-264.49	0.00	264.49	2607.24	648.74	1805.47	1770.96	16.06	-1.393	0.000	0.158
122.00	-21.78	-6.93	0.00	-250.52	0.00	250.52	2582.34	639.11	1752.24	1727.73	16.65	-1.421	0.000	0.154
124.00	-21.47	-6.87	0.00	-236.66	0.00	236.66	2557.02	629.47	1699.80	1684.74	17.26	-1.448	0.000	0.149
126.00	-21.16	-6.81	0.00	-222.93	0.00	222.93	2531.28	619.84	1648.16	1641.98	17.87	-1.475	0.000	0.144
128.00	-20.86	-6.75	0.00	-209.31	0.00	209.31	2505.13	610.20	1597.32	1599.49	18.49	-1.502	0.000	0.139
130.00	-20.56	-6.69	0.00	-195.80	0.00	195.80	2478.56	600.57	1547.28	1557.27	19.13	-1.528	0.000	0.134
132.00	-20.26	-6.64	0.00	-182.42	0.00	182.42	2451.58	590.93	1498.03	1515.33	19.77	-1.554	0.000	0.129
133.33	-20.07	-6.60	0.00	-173.57	0.00	173.57	2433.35	584.51	1465.64	1487.53	20.21	-1.571	0.000	0.125
134.00	-19.91	-6.58	0.00	-169.17	0.00	169.17	2424.17	581.30	1449.58	1473.69	20.43	-1.580	0.000	0.123
136.00	-19.46	-6.52	0.00	-156.01	0.00	156.01	2396.35	571.66	1401.92	1432.35	21.10	-1.604	0.000	0.117
138.00	-19.01	-6.46	0.00	-142.98	0.00	142.98	1545.45	417.14	1026.36	929.77	21.77	-1.628	0.000	0.166
140.00	-16.30	-5.58	0.00	-130.07	0.00	130.07	1531.69	410.13	992.17	905.88	22.46	-1.650	0.000	0.154
142.00	-16.08	-5.53	0.00	-118.91	0.00	118.91	1517.50	403.12	958.56	882.03	23.16	-1.679	0.000	0.146
144.00	-15.87	-5.47	0.00	-107.85	0.00	107.85	1502.90	396.11	925.52	858.22	23.87	-1.706	0.000	0.136
146.00	-15.65	-5.42	0.00	-96.90	0.00	96.90	1487.88	389.11	893.06	834.49	24.59	-1.731	0.000	0.127
148.00	-15.44	-5.37	0.00	-86.06	0.00	86.06	1472.45	382.10	861.19	810.82	25.32	-1.756	0.000	0.117
150.00	-12.65	-4.19	0.00	-75.33	0.00	75.33	1456.60	375.09	829.89	787.25	26.06	-1.778	0.000	0.104
152.00	-12.46	-4.14	0.00	-66.94	0.00	66.94	1440.33	368.08	799.17	763.78	26.81	-1.799	0.000	0.096
154.00	-12.28	-4.09	0.00	-58.66	0.00	58.66	1423.65	361.08	769.03	740.42	27.57	-1.819	0.000	0.088
156.00	-12.10	-4.04	0.00	-50.48	0.00	50.48	1406.55	354.07	739.47	717.20	28.33	-1.837	0.000	0.079
158.00	-8.48	-3.05	0.00	-41.34	0.00	41.34	1389.03	347.06	710.49	694.11	29.11	-1.853	0.000	0.066
160.00	-8.30	-3.00	0.00	-35.24	0.00	35.24	1371.10	340.05	682.09	671.17	29.88	-1.868	0.000	0.059
162.00	-8.16	-2.95	0.00	-29.24	0.00	29.24	1352.75	333.05	654.27	648.41	30.67	-1.880	0.000	0.051
164.00	-8.02	-2.90	0.00	-23.34	0.00	23.34	1333.98	326.04	627.03	625.81	31.46	-1.892	0.000	0.043
166.00	-4.22	-1.57	0.00	-17.54	0.00	17.54	1314.79	319.03	600.37	603.42	32.25	-1.901	0.000	0.032
168.00	-4.10	-1.52	0.00	-14.39	0.00	14.39	1295.19	312.03	574.28	581.22	33.05	-1.908	0.000	0.028
170.00	-3.97	-1.48	0.00	-11.35	0.00	11.35	1275.17	305.02	548.78	559.24	33.85	-1.915	0.000	0.023
172.00	-3.85	-1.43	0.00	-8.39	0.00	8.39	1251.65	298.01	523.85	536.17	34.66	-1.920	0.000	0.019
174.00	-3.73	-1.38	0.00	-5.53	0.00	5.53	1222.21	291.00	499.51	511.11	35.46	-1.925	0.000	0.014
176.00	-3.61	-1.34	0.00	-2.76	0.00	2.76	1192.78	284.00	475.74	486.64	36.27	-1.927	0.000	0.009
178.00	-0.11	-0.04	0.00	-0.09	0.00	0.09	1163.35	276.99	452.55	462.78	37.08	-1.928	0.000	0.000
180.00	0.00	-0.04	0.00	0.00	0.00	0.00	1133.92	269.98	429.95	439.52	37.88	-1.928	0.000	0.000

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 123 mph Wind	50.8	0.00	64.87	0.00	0.00	6336.89
0.9D + 1.0W 123 mph Wind	50.7	0.00	48.64	0.00	0.00	6241.04
1.2D + 1.0Di + 1.0Wi 50 mph Wind	11.1	0.00	87.13	0.00	0.00	1432.03
1.2D + 1.0Ev + 1.0Eh	0.8	0.00	67.38	0.00	0.00	133.12
0.9D + 1.0Ev + 1.0Eh	0.8	0.00	51.08	0.00	0.00	131.07
1.0D + 1.0W 60 mph Wind	10.8	0.00	54.09	0.00	0.00	1339.33

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 123 mph Wind	-64.87	-50.76	0.00	-6336.8	0.00	-6336.8	5123.29	1522.0	7808.40	6435.29	0.00	0.998
0.9D + 1.0W 123 mph Wind	-48.64	-50.75	0.00	-6241.0	0.00	-6241.0	5123.29	1522.0	7808.40	6435.29	0.00	0.980
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-87.13	-11.09	0.00	-1432.0	0.00	-1432.0	5123.29	1522.0	7808.40	6435.29	0.00	0.240
1.2D + 1.0Ev + 1.0Eh	-23.89	-0.82	0.00	-20.28	0.00	-20.28	1545.45	417.14	1026.36	929.77	138.00	0.037
0.9D + 1.0Ev + 1.0Eh	-18.13	-0.80	0.00	-19.90	0.00	-19.90	1545.45	417.14	1026.36	929.77	138.00	0.033
1.0D + 1.0W 60 mph Wind	-54.09	-10.80	0.00	-1339.3	0.00	-1339.3	5123.29	1522.0	7808.40	6435.29	0.00	0.219

Base Plate Summary

Structure:	CT46130-A-SB	**Code:**	TIA-222-H	7/11/2023	
Site Name:	Deep River-winthrop Rd	**Exposure:**	C		
Height:	180.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 55	

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Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	60.00	**Bolt Circle:**	70.69
Moment (kip-ft):	5076.00	**Width (in):**	76.69	**Number Bolts:**	20.00
Axial (kip):	59.10	**Style:**	Polygon	**Bolt Type:**	2.25" 18J
Shear (kip):	41.70	**Polygon Sides:**	12.00	**Bolt Diameter (in):**	2.25
Analysis (1.2D + 1.0W)		**Clip Length (in):**	0.00	**Yield (ksi):**	75.00
Moment (kip-ft):	6336.89	**Effective Len (in):**	14.14	**Ultimate (ksi):**	100.00
Axial (kip):	64.87	**Moment (kip-in):**	948.89	**Arrangement:**	Radial
Shear (kip):	50.76	**Allow Stress (ksi):**	81.00	**Cluster Dist (in):**	0.00
		Applied Stress (ksi):	53.46	**Start Angle (deg):**	0.00
		Stress Ratio:	0.66	Compression	
				Force (kip):	218.39
				Allowable (kip):	268.39
				Ratio:	0.81
				Tension	
				Force (kip):	211.90
				Allowable (kip):	243.75
				Ratio:	0.87

Monopole Mat Foundation Design

Customer Name:		TIA Standard:	EIA-222-H
Site Name:		Structure Height (Ft.):	180
Site Number:	CT46130-A-SBA	Engineer Name:	S. Hesselbein
Engr. Number:		Engineer Login ID:	

Date: 7/11/2023

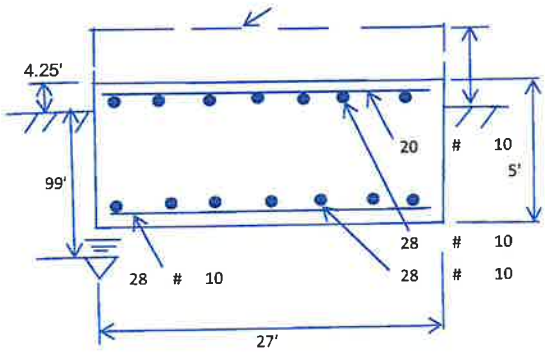
Foundation Info Obtained from: Mapping Operation

Structure Type: Monopole

Analysis or Design? Analysis

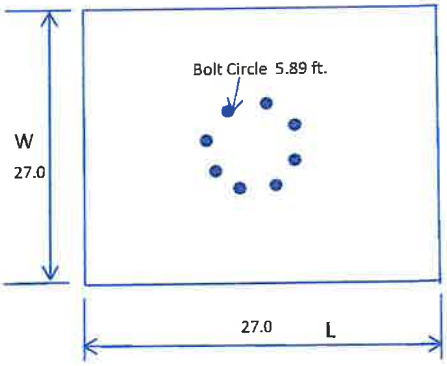
Base Reactions (Factored):

Axial Load (Kips):	64.9	Shear Force (Kips):	50.8
Uplift Force (Kips):	0.0	Moment (Kips-ft):	6336.9



Foundation Geometries:

		Mods required -Yes/No ?:	No
Anchor Bolt Circle (ft.):	5.89	Depth of Base BG (ft.):	0.75
Thickness of Pad (ft):	5.00		
Length of Pad (ft.):	27	Width of Pad (ft.):	27
Final Length of pad (ft)	27.0	Final width of pad (ft):	27.0



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Pad Rebar Yield (Ksi):	60	Tie Spacing (in):	12.0	
Pad Steel Rebar Size (#):	10			
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	20	Qty. of Rebar in Pad (W):	20	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	28	Qty. of Rebar in Pad (W):	28	

Soil Design Parameters:

Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	120000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:			1.00	

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

Total Dry Soil Volume (cu. Ft.):	0.00	Total Dry Soil Weight (Kips):	0.00
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	0.00	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	3645.00	Total Dry Concrete Weight (Kips):	546.75
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	546.75	Total Vertical Load on Base (Kips):	611.65

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	4609	<	Allowable Factored Soil Bearing (psf): 90000	0.05	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7519.2	>	Design Factored Momont (kips-ft): 6594	0.88	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.14	OK!			

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:	1.00		

Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):	1732.8	>	One-Way Factored Shear (L-D. Kips):	393.3	0.23	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1732.8	>	One-Way Factored Shear (W-D., Kips)	393.3	0.23	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	2040.5	>	One-Way Factored Shear (C-C, Kips):	878.1	0.43	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0014	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0014		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	6364.6	>	Moment at Bottom (L-Direct. K-Ft):	1102.7	0.17	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	6364.6	>	Moment at Bottom (W-Direct. K-Ft):	1102.7	0.17	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	8978.4	>	Moment at Bottom (C-C Dir. K-Ft):	1559.4	0.17	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0019	OK!	Upper Steel Reinf. Ratio (W-Direct.):	0.0019		
Upper Steel Pad Moment Capacity (L-Direction. Kips-ft):	8866.2	>	Moment at the top (L-Dir Kips-Ft):	55.1	0.01	OK!
Upper Steel Pad Moment Capacity (W-Direction. Kips-ft):	8866.2	>	Moment at the top (W-Dir Kips-Ft):	55.1	0.01	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	12494.6	>	Moment at the top (C-C Direc. K-Ft):	880.9	0.07	OK!

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

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207052
Colliers Engineering & Design CT, P.C. Project #: 23777132

July 21, 2023

Site Information	*Site ID:*	*5000247497-VZW / DEEP RIVER WEST CT*
	Site Name:	*DEEP RIVER WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*220 Winthrop Rd* *Deep River, Connecticut 06417* *Middlesex County*
	Latitude:	*41.365772°*
	Longitude:	*-72.475314°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 17123765

Analysis Results

Platform: **59.5% 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: Prasanna Dhakal

Digitally signed by Derek Hartzell
Date: 2023.07.21 10:24:49-07'00'

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: 1989264, dated February 25, 2021*
Mount Mapping Report	*Roaming Networks Inc., Site ID: CT43160, dated April 26, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777296, dated May 27, 2021*
Antenna Mount Post-Modification Inspection Report	*Maser Consulting Connecticut, Project #: 21777296, dated March 14, 2022*
Final Loading Configuration	*Filter Add Scope Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.991
Seismic Parameters:	S_S:	0.210 g
	S_1:	0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
175.00	178.00	2	KAelus	KA-6030	Added
		3	Samsung	MT6407-77A	Retained
		6	JMA Wireless	MX06FRO660-03	
		1	Raycap	RRFDC-6627-PF-48	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*11.1%*	*Pass*
Platform Crossmember	*9.0%*	*Pass*
Corner Plate	*19.9%*	*Pass*
Grating Support	*12.9%*	*Pass*
Cross Arm Plate	*27.3%*	*Pass*
Face Horizontal	*14.2%*	*Pass*
Support Rail	*48.8%*	*Pass*
Support Rail Corner Angle	*59.5%*	*Pass*
Mount Pipe	*36.0%*	*Pass*
Kicker	*9.9%*	*Pass*
Mount Connection (Bolt)	*11.3%*	*Pass*
Mount Connection (Plate)	*14.5%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**59.5%**

BASELINE mount weight per SBA agreement: 2559.32 lbs

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

The weights listed above include 3 sectors.

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	25.1	25.1	42.2	42.2
0.5	33.6	33.5	57.9	57.8
1	40.8	40.8	72.3	72.3

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

Requirements:

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

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000247497 SMART Project #: 10207052 Fuze Project ID: 17123765

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Response:

Special Instruction Confirmation:

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

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

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

OR

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

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

Structure: 5000247497-VZW - DEEP RIVER WEST CT

Sector: A

Structure Type: Monopole

Mount Elev: 175.00

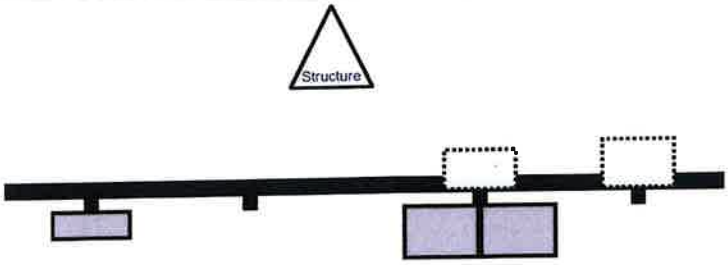
10207052

7/21/2023

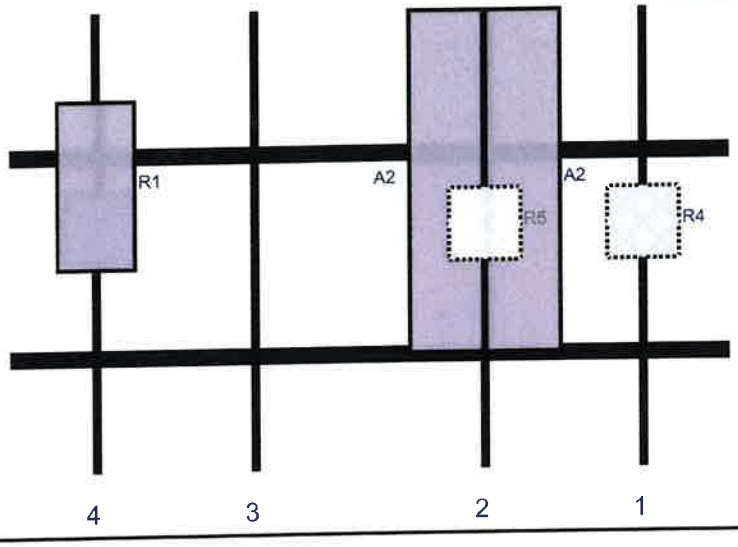
Page: 1

Colliers Engineering & Design

Plan View



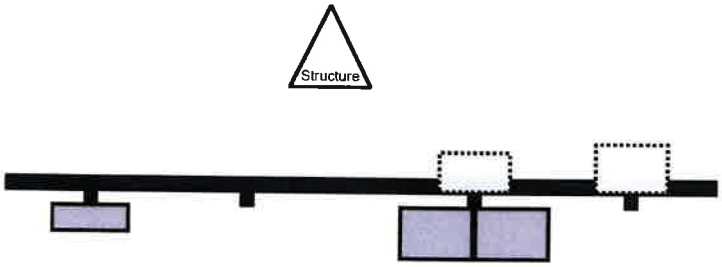
Front View - Looking at Structure



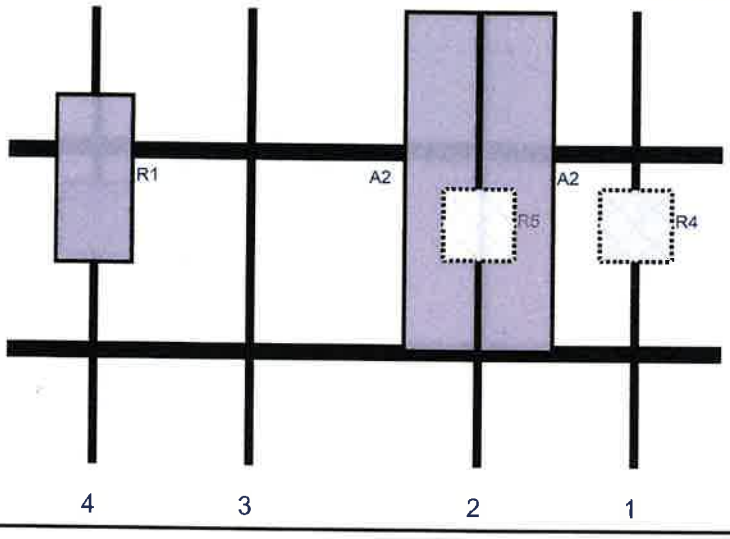
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	B2/B66A RRH-BR049	15	15	132	1	a	Behind	45	0	Retained	03/03/2022
A2	MX06FRO660-03	71.3	15.4	99	2	a	Front	36	8	Retained	03/03/2022
A2	MX06FRO660-03	71.3	15.4	99	2	b	Front	36	-8	Retained	03/03/2022
R5	B5/B13 RRH-BR04C	15	15	99	2	a	Behind	45	0	Retained	03/03/2022
R1	MT6407-77A	35.1	16.1	18	4	a	Front	36	0	Retained	03/03/2022

Colliers Engineering & Design

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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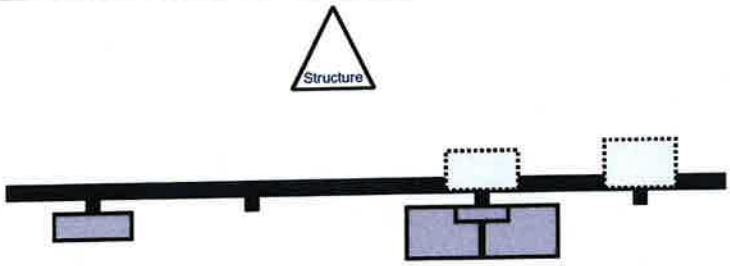
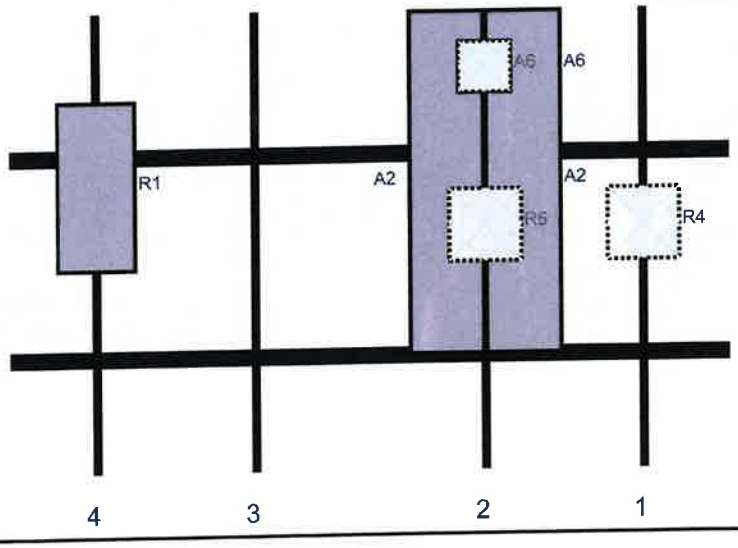
A2	MX06FRO660-03	71.3	15.4	99	2	a	Front	36	8	Retained	03/03/2022
A2	MX06FRO660-03	71.3	15.4	99	2	b	Front	36	-8	Retained	03/03/2022
R5	B5/B13 RRH-BR04C	15	15	99	2	a	Behind	45	0	Retained	03/03/2022
R1	MT6407-77A	35.1	16.1	18	4	a	Front	36	0	Retained	03/03/2022

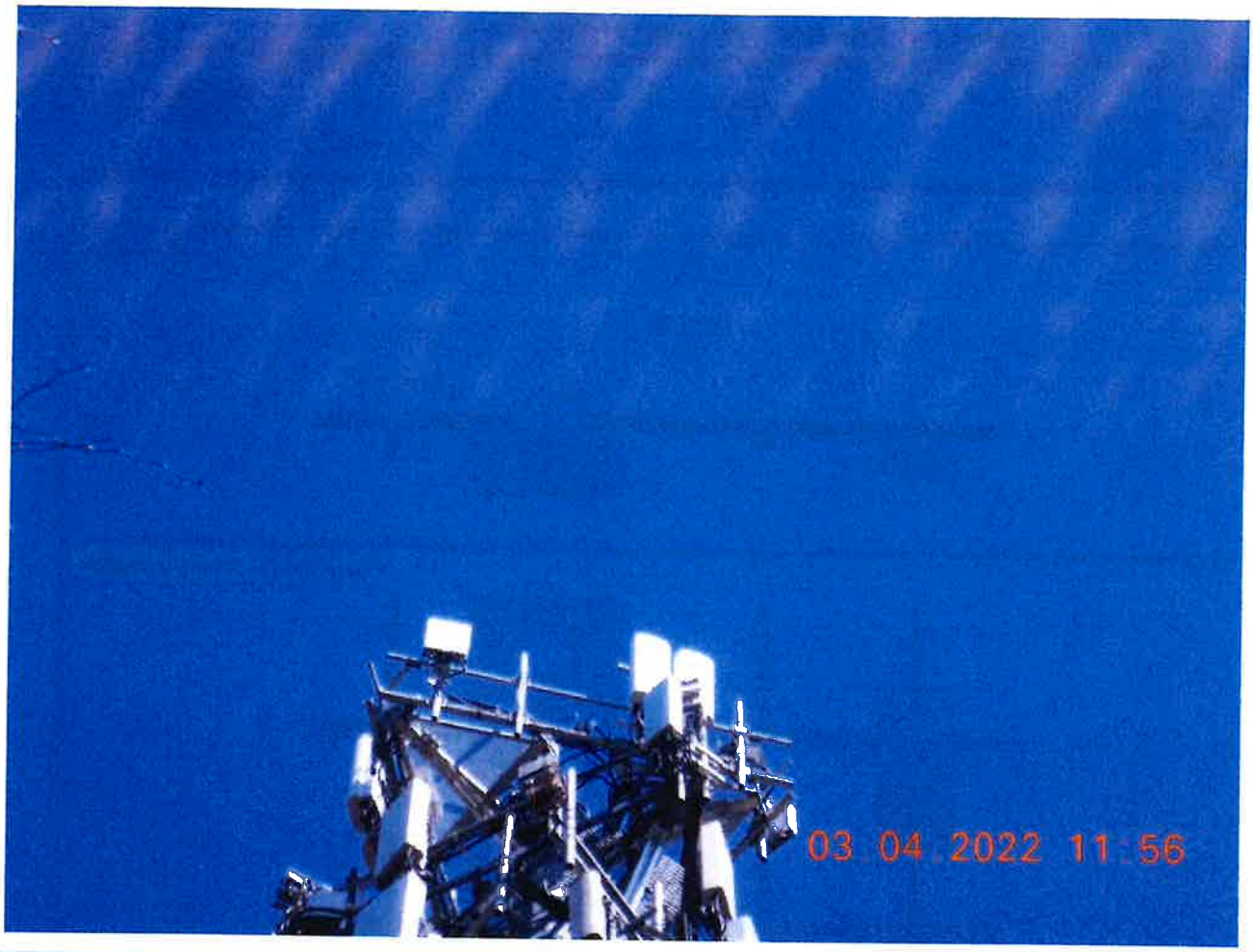
Plan View



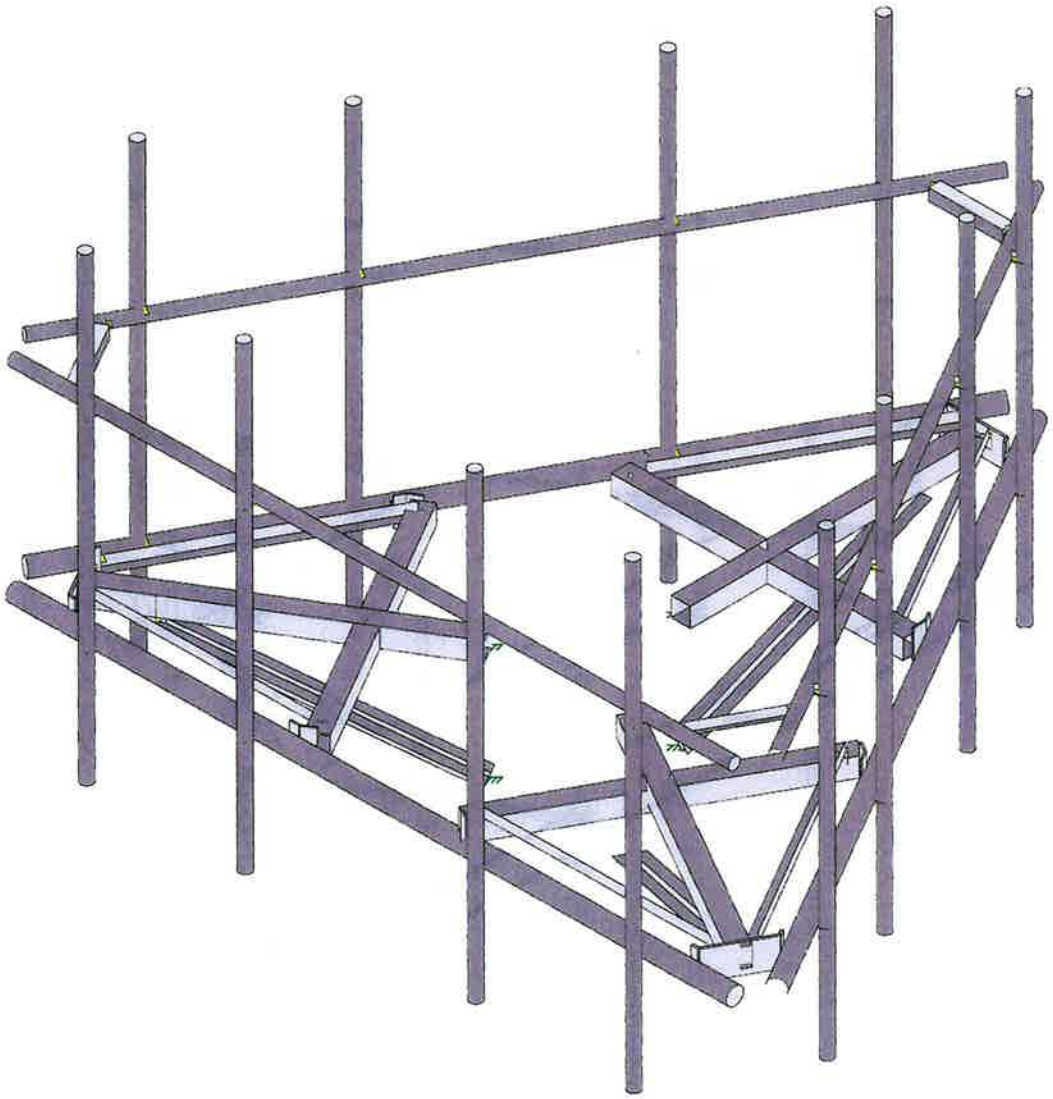
Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R4	B2/B66A RRH-BR049	15	15	132	1	a	Behind	45	0	Retained	03/03/2022
A2	MX06FRO660-03	71.3	15.4	99	2	a	Front	36	8	Retained	03/03/2022
A2	MX06FRO660-03	71.3	15.4	99	2	b	Front	36	-8	Retained	03/03/2022
R5	B5/B13 RRH-BR04C	15	15	99	2	a	Behind	45	0	Retained	03/03/2022
A6	KA-6030	10.6	10.9	99	2	a	Front	12	0	Added	
A6	KA-6030	10.6	10.9	99	2	b	Behind	12	0	Added	
R1	MT6407-77A	35.1	16.1	18	4	a	Front	36	0	Retained	03/03/2022

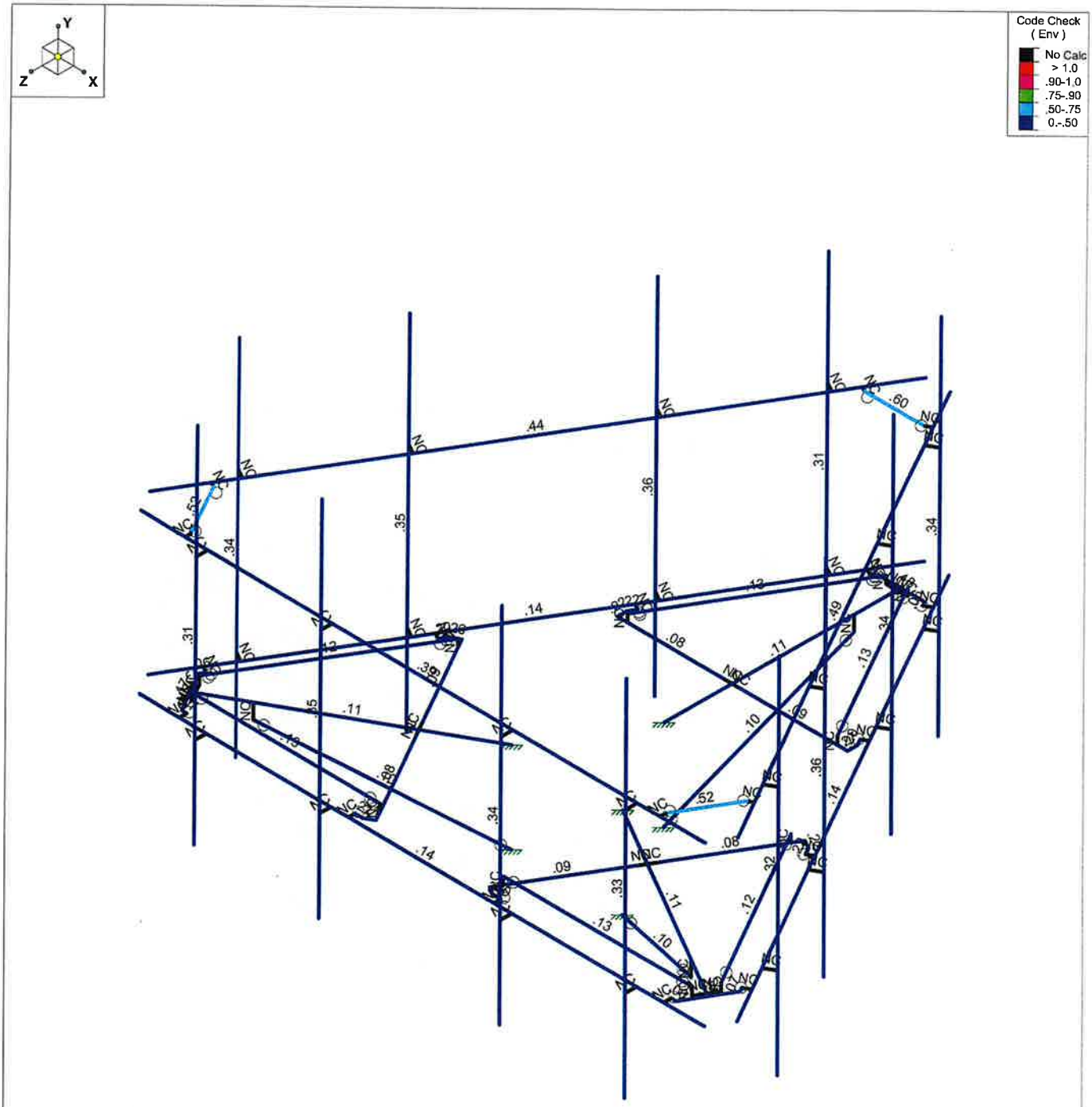

03 04 2022 11:56


03 04 2022 10:11



Envelope Only Solution

Colliers Engineering & De...	Antenna Mount Analysis	SK - 1
		July 21, 2023 at 10:43 AM
Project # 23777132		5000247497-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	Antenna Mount Analysis	SK - 2
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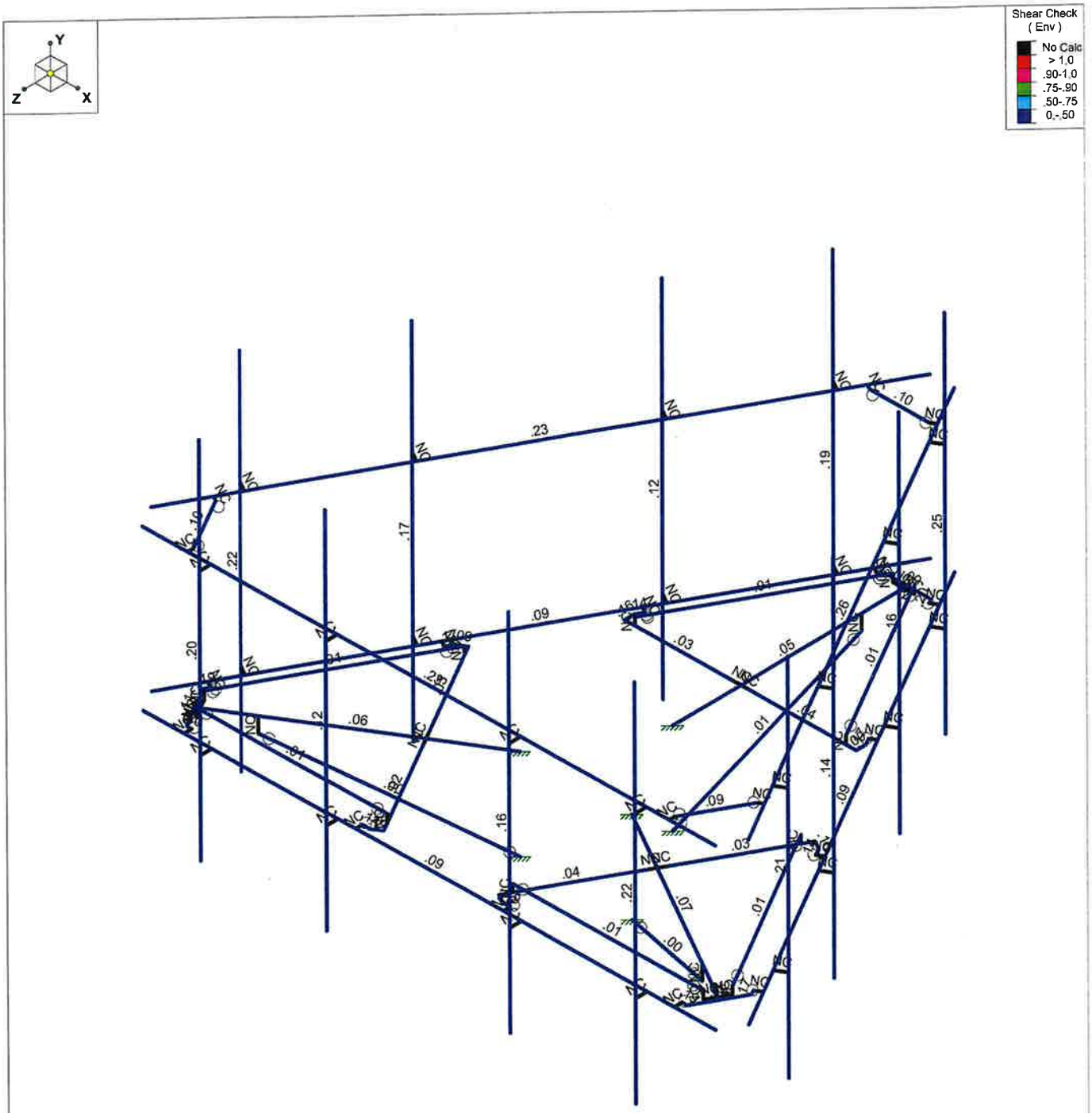
Project # 23777132		5000247497-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	Antenna Mount Analysis	SK - 3
		July 21, 2023 at 10:43 AM
Project # 23777132		5000247497-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gr...	Y Gr...	Z Gr...	Joint	Point	Distributed	Area(Member)	Surfa...
1	Antenna D	None					78			
2	Antenna Di	None					78			
3	Antenna Wo (0 Deg)	None					78			
4	Antenna Wo (30 Deg)	None					78			
5	Antenna Wo (60 Deg)	None					78			
6	Antenna Wo (90 Deg)	None					78			
7	Antenna Wo (120 Deg)	None					78			
8	Antenna Wo (150 Deg)	None					78			
9	Antenna Wo (180 Deg)	None					78			
10	Antenna Wo (210 Deg)	None					78			
11	Antenna Wo (240 Deg)	None					78			
12	Antenna Wo (270 Deg)	None					78			
13	Antenna Wo (300 Deg)	None					78			
14	Antenna Wo (330 Deg)	None					78			
15	Antenna Wi (0 Deg)	None					78			
16	Antenna Wi (30 Deg)	None					78			
17	Antenna Wi (60 Deg)	None					78			
18	Antenna Wi (90 Deg)	None					78			
19	Antenna Wi (120 Deg)	None					78			
20	Antenna Wi (150 Deg)	None					78			
21	Antenna Wi (180 Deg)	None					78			
22	Antenna Wi (210 Deg)	None					78			
23	Antenna Wi (240 Deg)	None					78			
24	Antenna Wi (270 Deg)	None					78			
25	Antenna Wi (300 Deg)	None					78			
26	Antenna Wi (330 Deg)	None					78			
27	Antenna Wm (0 Deg)	None					78			
28	Antenna Wm (30 Deg)	None					78			
29	Antenna Wm (60 Deg)	None					78			
30	Antenna Wm (90 Deg)	None					78			
31	Antenna Wm (120 Deg)	None					78			
32	Antenna Wm (150 Deg)	None					78			
33	Antenna Wm (180 Deg)	None					78			
34	Antenna Wm (210 Deg)	None					78			
35	Antenna Wm (240 Deg)	None					78			
36	Antenna Wm (270 Deg)	None					78			
37	Antenna Wm (300 Deg)	None					78			
38	Antenna Wm (330 Deg)	None					78			
39	Structure D	None		-1					3	
40	Structure Di	None						60	3	
41	Structure Wo (0 Deg)	None						120		
42	Structure Wo (30 Deg)	None						120		
43	Structure Wo (60 Deg)	None						120		
44	Structure Wo (90 Deg)	None						120		
45	Structure Wo (120 Deg)	None						120		
46	Structure Wo (150 Deg)	None						120		
47	Structure Wo (180 Deg)	None						120		
48	Structure Wo (210 Deg)	None						120		
49	Structure Wo (240 Deg)	None						120		
50	Structure Wo (270 Deg)	None						120		
51	Structure Wo (300 Deg)	None						120		
52	Structure Wo (330 Deg)	None						120		
53	Structure Wi (0 Deg)	None						120		
54	Structure Wi (30 Deg)	None						120		
55	Structure Wi (60 Deg)	None						120		
56	Structure Wi (90 Deg)	None						120		

Basic Load Cases (Continued)

	BLC Description	Category	X Gr...	Y Gr...	Z Gr...	Joint	Point	Distributed	Area(Member)	Surfa...
57	Structure Wi (120 Deg)	None						120		
58	Structure Wi (150 Deg)	None						120		
59	Structure Wi (180 Deg)	None						120		
60	Structure Wi (210 Deg)	None						120		
61	Structure Wi (240 Deg)	None						120		
62	Structure Wi (270 Deg)	None						120		
63	Structure Wi (300 Deg)	None						120		
64	Structure Wi (330 Deg)	None						120		
65	Structure Wm (0 Deg)	None						120		
66	Structure Wm (30 Deg)	None						120		
67	Structure Wm (60 Deg)	None						120		
68	Structure Wm (90 Deg)	None						120		
69	Structure Wm (120 Deg)	None						120		
70	Structure Wm (150 Deg)	None						120		
71	Structure Wm (180 Deg)	None						120		
72	Structure Wm (210 Deg)	None						120		
73	Structure Wm (240 Deg)	None						120		
74	Structure Wm (270 Deg)	None						120		
75	Structure Wm (300 Deg)	None						120		
76	Structure Wm (330 Deg)	None						120		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					78			
82	Antenna Eh (0 Deg)	None					52			
83	Antenna Eh (90 Deg)	None					52			
84	Structure Ev	ELY		-.0448					3	
85	Structure Eh (0 Deg)	ELZ			-.112				3	
86	Structure Eh (90 Deg)	ELX	.112						3	
87	BLC 39 Transient Area Loads	None						30		
88	BLC 40 Transient Area Loads	None						30		
89	BLC 84 Transient Area Loads	None						30		
90	BLC 85 Transient Area Loads	None						30		
91	BLC 86 Transient Area Loads	None						30		

Load Combinations

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

Load Combinations (Continued)

	Description	S...	PDel...	SR...	BLC	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
18	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	ELZ	-.8...	E...	.5				
58	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	ELZ	-.8...	E...	-.5				
60	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	ELZ	-.5	E...	-.8...				
61	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	ELZ	.5	E...	-.8...				
63	1.2D + 1.0Ev + 1.0E...	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	ELZ	-.8...	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	ELZ	-.8...	E...	-.5				
72	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	ELZ	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh...	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	ELZ	.5	E...	-.8...				

Load Combinations (Continued)

	Description	S...	PDel...	SR...	BLC	Fa...	BLC	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	BLC	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
75	0.9D - 1.0Ev + 1.0Eh..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	0	-1.416667	0	
2	N5	-2.541667	0	-2.916667	0	
3	N6	2.315104	0.166667	-2.916667	0	
4	N7	-2.315104	0.166667	-2.916667	0	
5	N24	-0.	0	-2.916667	0	
6	N27	-0.	0	-6.604167	0	
7	CP	0	0	0	0	
8	N29	2.315104	0	-2.916667	0	
9	N30	-2.315104	0	-2.916667	0	
10	N101	2.541667	0	-2.916667	0	
11	N102	-0.166667	0	-2.916667	0	
12	N103A	0.166667	0	-2.916667	0	
13	N104A	-2.541667	0	-3.135417	0	
14	N105	2.541667	0	-3.135417	0	
15	N131	2.458333	0	-3.279754	0	
16	N135	0.571615	0	-6.50719	0	
17	N144	-2.458333	0	-3.279754	0	
18	N148	-0.571615	0	-6.50719	0	
19	N86A	2.584629	0	-3.352671	0	
20	N86B	-2.584629	0	-3.352671	0	
21	N86C	-0.515625	0	-6.604167	0	
22	N87A	0.515625	0	-6.604167	0	
23	N86D	0.715429	0	-6.590221	0	
24	N86E	-0.715429	0	-6.590221	0	
25	N88A	-0.	0	-6.520833	0	
26	N87C	0.234238	0.166667	-6.520833	0	
27	N86G	0.234238	0	-6.520833	0	
28	N87B	-0.234238	0.166667	-6.520833	0	
29	N88C	-0.234238	0	-6.520833	0	
30	N225A	-1.226869	0	0.708333	0	
31	N226A	-1.255074	0	3.659481	0	
32	N227A	-3.68346	0.166667	-0.546606	0	
33	N228A	-1.368355	0.166667	3.463272	0	
34	N229A	-2.525907	0	1.458333	0	
35	N230A	-5.719376	0	3.302083	0	
36	N232A	-3.68346	0	-0.546606	0	
37	N233A	-1.368355	0	3.463272	0	
38	N234A	-3.796741	0	-0.742815	0	
39	N235A	-2.442574	0	1.602671	0	
40	N236A	-2.609241	0	1.313996	0	
41	N237A	-1.444517	0	3.768856	0	
42	N238A	-3.986184	0	-0.63344	0	
43	N239A	-4.069517	0	-0.489102	0	
44	N240A	-5.921199	0	2.758562	0	
45	N241A	-1.611184	0	3.768856	0	
46	N242A	-5.349584	0	3.748628	0	
47	N243A	-4.195813	0	-0.562019	0	
48	N244A	-1.611184	0	3.91469	0	
49	N245A	-5.461564	0	3.748628	0	
50	N246A	-5.977189	0	2.855539	0	
51	N247A	-6.065013	0	2.675531	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N248A	-5.349584	0	3.91469	0	
53	N249A	-5.647207	0	3.260417	0	
54	N250A	-5.764326	0.166667	3.057561	0	
55	N251A	-5.764326	0	3.057561	0	
56	N252A	-5.530089	0.166667	3.463272	0	
57	N253A	-5.530089	0	3.463272	0	
58	N254A	1.226869	0	0.708333	0	
59	N255A	3.796741	0	-0.742815	0	
60	N256A	1.368355	0.166667	3.463272	0	
61	N257A	3.68346	0.166667	-0.546606	0	
62	N258A	2.525907	0	1.458333	0	
63	N259A	5.719376	0	3.302083	0	
64	N261A	1.368355	0	3.463272	0	
65	N262A	3.68346	0	-0.546606	0	
66	N263A	1.255074	0	3.659481	0	
67	N264A	2.609241	0	1.313996	0	
68	N265A	2.442574	0	1.602671	0	
69	N266A	3.986184	0	-0.63344	0	
70	N267A	1.444517	0	3.768856	0	
71	N268A	1.611184	0	3.768856	0	
72	N269A	5.349584	0	3.748628	0	
73	N270A	4.069517	0	-0.489102	0	
74	N271A	5.921199	0	2.758562	0	
75	N272A	1.611184	0	3.91469	0	
76	N273A	4.195813	0	-0.562019	0	
77	N274A	5.977189	0	2.855539	0	
78	N275A	5.461564	0	3.748628	0	
79	N276A	5.349584	0	3.91469	0	
80	N277A	6.065013	0	2.675531	0	
81	N278A	5.647207	0	3.260417	0	
82	N279A	5.530089	0.166667	3.463272	0	
83	N280A	5.530089	0	3.463272	0	
84	N281A	5.764326	0.166667	3.057561	0	
85	N282A	5.764326	0	3.057561	0	
86	N281B	0.	0	3.91469	0	
87	N282B	6.25	0	3.91469	0	
88	N283A	-6.25	0	3.91469	0	
89	N285A	0.265221	0	-7.370004	0	
90	N286A	6.515221	0	3.455314	0	
91	N288A	-6.515221	0	3.455314	0	
92	N289A	-0.265221	0	-7.370004	0	
93	N288B	0	3.5	0	0	
94	N289B	6.25	3.5	3.91469	0	
95	N290A	-6.25	3.5	3.91469	0	
96	N291A	0.265221	3.5	-7.370004	0	
97	N292A	6.515221	3.5	3.455314	0	
98	N293A	-6.515221	3.5	3.455314	0	
99	N294A	-0.265221	3.5	-7.370004	0	
100	N295A	5.25	3.5	3.91469	0	
101	N296A	-5.25	3.5	3.91469	0	
102	N297A	5.25	3.5	3.78969	0	
103	N298A	-5.25	3.5	3.78969	0	
104	N300A	0.765221	3.5	-6.503978	0	
105	N301A	6.015221	3.5	2.589288	0	
106	N302A	0.656968	3.5	-6.441478	0	
107	N303A	5.906968	3.5	2.651788	0	
108	N305A	-6.015221	3.5	2.589288	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N306A	-0.765221	3.5	-6.503978	0	
110	N307A	-5.906968	3.5	2.651788	0	
111	N308A	-0.656968	3.5	-6.441478	0	
112	N112	4.75	0	3.91469	0	
113	N113	4.75	3.5	3.91469	0	
114	N114	4.75	0	4.16469	0	
115	N115	4.75	3.5	4.16469	0	
116	N116	4.75	6	4.16469	0	
117	N117	4.75	-2	4.16469	0	
118	N118	2.	0	3.91469	0	
119	N119	2.	3.5	3.91469	0	
120	N120	2.	0	4.16469	0	
121	N121	2.	3.5	4.16469	0	
122	N122	2.	6	4.16469	0	
123	N123	2.	-2	4.16469	0	
124	N124	-2.	0	3.91469	0	
125	N125	-2.	3.5	3.91469	0	
126	N126	-2.	0	4.16469	0	
127	N127	-2.	3.5	4.16469	0	
128	N128	-2.	6	4.16469	0	
129	N129	-2.	-2	4.16469	0	
130	N130	-4.75	0	3.91469	0	
131	N131A	-4.75	3.5	3.91469	0	
132	N132	-4.75	0	4.16469	0	
133	N133	-4.75	3.5	4.16469	0	
134	N134	-4.75	6	4.16469	0	
135	N135A	-4.75	-2	4.16469	0	
136	N137	1.015221	0	-6.070966	0	
137	N138	1.015221	3.5	-6.070966	0	
138	N139	1.231727	0	-6.195966	0	
139	N140	1.231727	3.5	-6.195966	0	
140	N141	1.231727	6	-6.195966	0	
141	N142	1.231727	-2	-6.195966	0	
142	N143	2.390221	0	-3.689396	0	
143	N144A	2.390221	3.5	-3.689396	0	
144	N145	2.606727	0	-3.814396	0	
145	N146	2.606727	3.5	-3.814396	0	
146	N147	2.606727	6	-3.814396	0	
147	N148A	2.606727	-2	-3.814396	0	
148	N149	4.390221	0	-0.225294	0	
149	N150	4.390221	3.5	-0.225294	0	
150	N151	4.606727	0	-0.350294	0	
151	N152	4.606727	3.5	-0.350294	0	
152	N153	4.606727	6	-0.350294	0	
153	N154	4.606727	-2	-0.350294	0	
154	N155	5.765221	0	2.156276	0	
155	N156	5.765221	3.5	2.156276	0	
156	N157	5.981727	0	2.031276	0	
157	N158	5.981727	3.5	2.031276	0	
158	N159	5.981727	6	2.031276	0	
159	N160	5.981727	-2	2.031276	0	
160	N162	-5.765221	0	2.156276	0	
161	N163	-5.765221	3.5	2.156276	0	
162	N164	-5.981727	0	2.031276	0	
163	N165	-5.981727	3.5	2.031276	0	
164	N166	-5.981727	6	2.031276	0	
165	N167	-5.981727	-2	2.031276	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N168	-4.390221	0	-0.225294	0	
167	N169	-4.390221	3.5	-0.225294	0	
168	N170	-4.606727	0	-0.350294	0	
169	N171	-4.606727	3.5	-0.350294	0	
170	N172	-4.606727	6	-0.350294	0	
171	N173	-4.606727	-2	-0.350294	0	
172	N174	-2.390221	0	-3.689396	0	
173	N175	-2.390221	3.5	-3.689396	0	
174	N176	-2.606727	0	-3.814396	0	
175	N177	-2.606727	3.5	-3.814396	0	
176	N178	-2.606727	6	-3.814396	0	
177	N179	-2.606727	-2	-3.814396	0	
178	N180	-1.015221	0	-6.070966	0	
179	N181	-1.015221	3.5	-6.070966	0	
180	N182	-1.231727	0	-6.195966	0	
181	N183	-1.231727	3.5	-6.195966	0	
182	N184	-1.231727	6	-6.195966	0	
183	N185	-1.231727	-2	-6.195966	0	
184	N188	-0.	-2	-1.416667	0	
185	N191	-0.	-0.333333	-5.583333	0	
186	N186	-0.	0	-5.583333	0	
187	N187	-1.226869	-2	0.708333	0	
188	N188A	-4.835309	-0.333333	2.791667	0	
189	N189	-4.835309	0	2.791667	0	
190	N190	1.226869	-2	0.708333	0	
191	N191A	4.835309	-0.333333	2.791667	0	
192	N192	4.835309	0	2.791667	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Desig...	A [in2]	Iyy [i...	Izz [i...	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.0625	9	.2369
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.0092
6	Mount Pipe	PIPE_2.0X	Column	Pipe	A53 Gr.B	Typical	1.4	.827	.827	1.65
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Support Rail Corner Angle	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.0261
10	Kicker	LL2.5x2.5x3x3	Column	Double Angle ...	A36 Gr.36	Typical	1.8	2.46	1.07	.0228

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
1	M4	N3	N27			Standoff	Beam	SquareTube	A500 Gr...	Typical
2	M10	N101	N103A			Platform Crossme...	Beam	SquareTube	A500 Gr...	Typical
3	M43	N102	N5			Platform Crossme...	Beam	SquareTube	A500 Gr...	Typical
4	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical
7	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
10	M58	N102	N24			RIGID	None	None	RIGID	Typical
11	M59	N24	N103A			RIGID	None	None	RIGID	Typical
12	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M79	N131	N86A			RIGID	None	None	RIGID	Typical
15	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M83	N135	N86D			RIGID	None	None	RIGID	Typical
17	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
19	M88	N144	N86B			RIGID	None	None	RIGID	Typical
20	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M92	N148	N86E			RIGID	None	None	RIGID	Typical
22	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
23	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
24	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
25	M150A	N225A	N230A			Standoff	Beam	SquareTube	A500 Gr...	Typical
26	M151A	N234A	N236A			Platform Crossme...	Beam	SquareTube	A500 Gr...	Typical
27	M152A	N235A	N226A			Platform Crossme...	Beam	SquareTube	A500 Gr...	Typical
28	M153A	N245A	N246A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M154A	N228A	N233A			RIGID	None	None	RIGID	Typical
30	M155A	N227A	N232A			RIGID	None	None	RIGID	Typical
31	M156A	N250A	N227A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M157A	N228A	N252A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M158A	N252A	N253A			RIGID	None	None	RIGID	Typical
34	M159A	N235A	N229A			RIGID	None	None	RIGID	Typical
35	M160A	N229A	N236A			RIGID	None	None	RIGID	Typical
36	M161A	N234A	N238A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
37	M162A	N238A	N239A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
38	M163A	N239A	N243A			RIGID	None	None	RIGID	Typical
39	M164A	N246A	N240A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M165A	N240A	N247A			RIGID	None	None	RIGID	Typical
41	M166A	N226A	N237A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
42	M167A	N237A	N241A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M168A	N241A	N244A			RIGID	None	None	RIGID	Typical
44	M169A	N245A	N242A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M170A	N242A	N248A			RIGID	None	None	RIGID	Typical
46	M171A	N253A	N249A			RIGID	None	None	RIGID	Typical
47	M172A	N249A	N251A			RIGID	None	None	RIGID	Typical
48	M173A	N250A	N251A			RIGID	None	None	RIGID	Typical
49	M174A	N254A	N259A			Standoff	Beam	SquareTube	A500 Gr...	Typical
50	M175A	N263A	N265A			Platform Crossme...	Beam	SquareTube	A500 Gr...	Typical
51	M176A	N264A	N255A			Platform Crossme...	Beam	SquareTube	A500 Gr...	Typical
52	M177A	N274A	N275A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M178A	N257A	N262A			RIGID	None	None	RIGID	Typical
54	M179A	N256A	N261A			RIGID	None	None	RIGID	Typical
55	M180A	N279A	N256A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M181A	N257A	N281A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
57	M182A	N281A	N282A			RIGID	None	None	RIGID	Typical
58	M183A	N264A	N258A			RIGID	None	None	RIGID	Typical
59	M184A	N258A	N265A			RIGID	None	None	RIGID	Typical
60	M185A	N263A	N267A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
61	M186A	N267A	N268A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
62	M187A	N268A	N272A			RIGID	None	None	RIGID	Typical
63	M188A	N275A	N269A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M189A	N269A	N276A			RIGID	None	None	RIGID	Typical
65	M190A	N255A	N266A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
66	M191A	N266A	N270A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M192A	N270A	N273A			RIGID	None	None	RIGID	Typical
68	M193A	N274A	N271A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M194A	N271A	N277A			RIGID	None	None	RIGID	Typical
70	M195A	N282A	N278A			RIGID	None	None	RIGID	Typical
71	M196A	N278A	N280A			RIGID	None	None	RIGID	Typical
72	M197A	N279A	N280A			RIGID	None	None	RIGID	Typical
73	M198A	N283A	N282B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M199A	N286A	N285A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M200A	N289A	N288A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M201A	N290A	N289B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
77	M202A	N292A	N291A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
78	M203A	N294A	N293A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
79	M204A	N296A	N298A			RIGID	None	None	RIGID	Typical
80	M205A	N295A	N297A			RIGID	None	None	RIGID	Typical
81	M206A	N301A	N303A			RIGID	None	None	RIGID	Typical
82	M207A	N300A	N302A			RIGID	None	None	RIGID	Typical
83	M208A	N306A	N308A			RIGID	None	None	RIGID	Typical
84	M209A	N305A	N307A			RIGID	None	None	RIGID	Typical
85	M210A	N307A	N298A		90	Support Rail Corn...	Beam	Single Angle	A36 Gr.36	Typical
86	M211A	N297A	N303A		90	Support Rail Corn...	Beam	Single Angle	A36 Gr.36	Typical
87	M212A	N302A	N308A		90	Support Rail Corn...	Beam	Single Angle	A36 Gr.36	Typical
88	M88A	N113	N115			RIGID	None	None	RIGID	Typical
89	M89	N112	N114			RIGID	None	None	RIGID	Typical
90	MP1A	N116	N117			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91A	N119	N121			RIGID	None	None	RIGID	Typical
92	M92A	N118	N120			RIGID	None	None	RIGID	Typical
93	MP2A	N122	N123			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N125	N127			RIGID	None	None	RIGID	Typical
95	M95	N124	N126			RIGID	None	None	RIGID	Typical
96	MP3A	N128	N129			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	M97	N131A	N133			RIGID	None	None	RIGID	Typical
98	M98	N130	N132			RIGID	None	None	RIGID	Typical
99	MP4A	N134	N135A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N138	N140			RIGID	None	None	RIGID	Typical
101	M101	N137	N139			RIGID	None	None	RIGID	Typical
102	MP1C	N141	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	M103	N144A	N146			RIGID	None	None	RIGID	Typical
104	M104	N143	N145			RIGID	None	None	RIGID	Typical
105	MP2C	N147	N148A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M106	N150	N152			RIGID	None	None	RIGID	Typical
107	M107	N149	N151			RIGID	None	None	RIGID	Typical
108	MP3C	N153	N154			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
109	M109	N156	N158			RIGID	None	None	RIGID	Typical
110	M110	N155	N157			RIGID	None	None	RIGID	Typical
111	MP4C	N159	N160			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	M112	N163	N165			RIGID	None	None	RIGID	Typical
113	M113	N162	N164			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Ru...
114	MP1B	N166	N167			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
115	M115	N169	N171			RIGID	None	None	RIGID	Typical
116	M116	N168	N170			RIGID	None	None	RIGID	Typical
117	MP2B	N172	N173			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
118	M118	N175	N177			RIGID	None	None	RIGID	Typical
119	M119	N174	N176			RIGID	None	None	RIGID	Typical
120	MP3B	N178	N179			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
121	M121	N181	N183			RIGID	None	None	RIGID	Typical
122	M122	N180	N182			RIGID	None	None	RIGID	Typical
123	MP4B	N184	N185			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
124	M127	N191	N188			Kicker	Column	Double Angl..	A36 Gr.36	Typical
125	M125	N186	N191			RIGID	None	None	RIGID	Typical
126	M126	N188A	N187			Kicker	Column	Double Angl..	A36 Gr.36	Typical
127	M127A	N189	N188A			RIGID	None	None	RIGID	Typical
128	M128	N191A	N190			Kicker	Column	Double Angl..	A36 Gr.36	Typical
129	M129	N192	N191A			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Opti...	Analysis ...	Inactive	Seismi...
1	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						Yes	** NA **			None
7	M51B	OOOOOX	OOOOOX				Yes	Default			None
8	M52B	OOOOOX	OOOOOX				Yes	Default			None
9	M52						Yes	** NA **			None
10	M58						Yes	** NA **			None
11	M59						Yes	** NA **			None
12	M76						Yes	** NA **			None
13	M77						Yes	** NA **			None
14	M79		BenPIN				Yes	** NA **			None
15	M80						Yes				None
16	M83		BenPIN				Yes	** NA **			None
17	M84						Yes	** NA **			None
18	M85						Yes	** NA **			None
19	M88		BenPIN				Yes	** NA **			None
20	M91						Yes				None
21	M92		BenPIN				Yes	** NA **			None
22	M50						Yes	** NA **			None
23	M51						Yes	** NA **			None
24	M51A						Yes	** NA **			None
25	M150A						Yes				None
26	M151A						Yes	Default			None
27	M152A						Yes	Default			None
28	M153A						Yes	Default			None
29	M154A						Yes	** NA **			None
30	M155A						Yes	** NA **			None
31	M156A	OOOOOX	OOOOOX				Yes	Default			None
32	M157A	OOOOOX	OOOOOX				Yes	Default			None
33	M158A						Yes	** NA **			None
34	M159A						Yes	** NA **			None
35	M160A						Yes	** NA **			None
36	M161A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Opti...	Analysis ...	Inactive	Seismi...
37	M162A						Yes	** NA **			None
38	M163A		BenPIN				Yes	** NA **			None
39	M164A						Yes				None
40	M165A		BenPIN				Yes	** NA **			None
41	M166A						Yes	** NA **			None
42	M167A						Yes	** NA **			None
43	M168A		BenPIN				Yes	** NA **			None
44	M169A						Yes				None
45	M170A		BenPIN				Yes	** NA **			None
46	M171A						Yes	** NA **			None
47	M172A						Yes	** NA **			None
48	M173A						Yes	** NA **			None
49	M174A						Yes				None
50	M175A						Yes	Default			None
51	M176A						Yes	Default			None
52	M177A						Yes	Default			None
53	M178A						Yes	** NA **			None
54	M179A						Yes	** NA **			None
55	M180A	OOOOOX	OOOOOX				Yes	Default			None
56	M181A	OOOOOX	OOOOOX				Yes	Default			None
57	M182A						Yes	** NA **			None
58	M183A						Yes	** NA **			None
59	M184A						Yes	** NA **			None
60	M185A						Yes	** NA **			None
61	M186A						Yes	** NA **			None
62	M187A		BenPIN				Yes	** NA **			None
63	M188A						Yes				None
64	M189A		BenPIN				Yes	** NA **			None
65	M190A						Yes	** NA **			None
66	M191A						Yes	** NA **			None
67	M192A		BenPIN				Yes	** NA **			None
68	M193A						Yes				None
69	M194A		BenPIN				Yes	** NA **			None
70	M195A						Yes	** NA **			None
71	M196A						Yes	** NA **			None
72	M197A						Yes	** NA **			None
73	M198A						Yes	Default			None
74	M199A						Yes				None
75	M200A						Yes				None
76	M201A						Yes				None
77	M202A						Yes				None
78	M203A						Yes				None
79	M204A	OOOOOX					Yes	** NA **			None
80	M205A	OOOOOX					Yes	** NA **			None
81	M206A	OOOOOX					Yes	** NA **			None
82	M207A	OOOOOX					Yes	** NA **			None
83	M208A	OOOOOX					Yes	** NA **			None
84	M209A	OOOOOX					Yes	** NA **			None
85	M210A						Yes				None
86	M211A						Yes				None
87	M212A						Yes				None
88	M88A						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	MP1A						Yes	** NA **			None
91	M91A						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	MP2A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Ratio Opti...	Analysis ...	Inactive	Seismi...
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP3A						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP4A						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	MP1C						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	MP2C						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	MP3C						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	MP4C						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	MP1B						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	MP2B						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	MP3B						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes	** NA **			None
123	MP4B						Yes	** NA **			None
124	M127	BenPIN	BenPIN				Yes	** NA **			None
125	M125						Yes	** NA **			None
126	M126	BenPIN	BenPIN				Yes	** NA **			None
127	M127A						Yes	** NA **			None
128	M128	BenPIN	BenPIN				Yes	** NA **			None
129	M129						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-43.55	2
2	MP4A	My	-.0218	2
3	MP4A	Mz	0	2
4	MP4A	Y	-43.55	4
5	MP4A	My	-.0218	4
6	MP4A	Mz	0	4
7	MP4B	Y	-43.55	2
8	MP4B	My	.0167	2
9	MP4B	Mz	-.014	2
10	MP4B	Y	-43.55	4
11	MP4B	My	.0167	4
12	MP4B	Mz	-.014	4
13	MP4C	Y	-43.55	2
14	MP4C	My	.0074	2
15	MP4C	Mz	.0205	2
16	MP4C	Y	-43.55	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP4C	My	.0074	4
18	MP4C	Mz	.0205	4
19	MP2A	Y	-23	.25
20	MP2A	My	-.0115	.25
21	MP2A	Mz	.0153	.25
22	MP2A	Y	-23	5.75
23	MP2A	My	-.0115	5.75
24	MP2A	Mz	.0153	5.75
25	MP2B	Y	-23	.25
26	MP2B	My	-.001	.25
27	MP2B	Mz	-.0191	.25
28	MP2B	Y	-23	5.75
29	MP2B	My	-.001	5.75
30	MP2B	Mz	-.0191	5.75
31	MP2C	Y	-23	.25
32	MP2C	My	.0183	.25
33	MP2C	Mz	.0056	.25
34	MP2C	Y	-23	5.75
35	MP2C	My	.0183	5.75
36	MP2C	Mz	.0056	5.75
37	MP2A	Y	-23	.25
38	MP2A	My	-.0115	.25
39	MP2A	Mz	-.0153	.25
40	MP2A	Y	-23	5.75
41	MP2A	My	-.0115	5.75
42	MP2A	Mz	-.0153	5.75
43	MP2B	Y	-23	.25
44	MP2B	My	.0187	.25
45	MP2B	Mz	.0044	.25
46	MP2B	Y	-23	5.75
47	MP2B	My	.0187	5.75
48	MP2B	Mz	.0044	5.75
49	MP2C	Y	-23	.25
50	MP2C	My	-.0105	.25
51	MP2C	Mz	.0161	.25
52	MP2C	Y	-23	5.75
53	MP2C	My	-.0105	5.75
54	MP2C	Mz	.0161	5.75
55	MP1A	Y	-84.4	3.75
56	MP1A	My	.0422	3.75
57	MP1A	Mz	0	3.75
58	MP1B	Y	-84.4	3.75
59	MP1B	My	-.0323	3.75
60	MP1B	Mz	.0271	3.75
61	MP1C	Y	-84.4	3.75
62	MP1C	My	-.0144	3.75
63	MP1C	Mz	-.0397	3.75
64	MP2A	Y	-70.3	3.75
65	MP2A	My	.0352	3.75
66	MP2A	Mz	0	3.75
67	MP2B	Y	-70.3	3.75
68	MP2B	My	-.0269	3.75
69	MP2B	Mz	.0226	3.75
70	MP2C	Y	-70.3	3.75
71	MP2C	My	-.012	3.75
72	MP2C	Mz	-.033	3.75
73	MP2C	Y	-17.6	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2C	My	.0025	1
75	MP2C	Mz	.0069	1
76	MP2C	Y	-17.6	1
77	MP2C	My	-.0025	1
78	MP2C	Mz	-.0069	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-36.5861	2
2	MP4A	My	-.0183	2
3	MP4A	Mz	0	2
4	MP4A	Y	-36.5861	4
5	MP4A	My	-.0183	4
6	MP4A	Mz	0	4
7	MP4B	Y	-36.5861	2
8	MP4B	My	.014	2
9	MP4B	Mz	-.0118	2
10	MP4B	Y	-36.5861	4
11	MP4B	My	.014	4
12	MP4B	Mz	-.0118	4
13	MP4C	Y	-36.5861	2
14	MP4C	My	.0063	2
15	MP4C	Mz	.0172	2
16	MP4C	Y	-36.5861	4
17	MP4C	My	.0063	4
18	MP4C	Mz	.0172	4
19	MP2A	Y	-84.6527	.25
20	MP2A	My	-.0423	.25
21	MP2A	Mz	.0564	.25
22	MP2A	Y	-84.6527	5.75
23	MP2A	My	-.0423	5.75
24	MP2A	Mz	.0564	5.75
25	MP2B	Y	-84.6527	.25
26	MP2B	My	-.0039	.25
27	MP2B	Mz	-.0704	.25
28	MP2B	Y	-84.6527	5.75
29	MP2B	My	-.0039	5.75
30	MP2B	Mz	-.0704	5.75
31	MP2C	Y	-84.6527	.25
32	MP2C	My	.0675	.25
33	MP2C	Mz	.0205	.25
34	MP2C	Y	-84.6527	5.75
35	MP2C	My	.0675	5.75
36	MP2C	Mz	.0205	5.75
37	MP2A	Y	-84.6527	.25
38	MP2A	My	-.0423	.25
39	MP2A	Mz	-.0564	.25
40	MP2A	Y	-84.6527	5.75
41	MP2A	My	-.0423	5.75
42	MP2A	Mz	-.0564	5.75
43	MP2B	Y	-84.6527	.25
44	MP2B	My	.0687	.25
45	MP2B	Mz	.016	.25
46	MP2B	Y	-84.6527	5.75
47	MP2B	My	.0687	5.75
48	MP2B	Mz	.016	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2C	Y	-84.6527	.25
50	MP2C	My	-.0386	.25
51	MP2C	Mz	.0591	.25
52	MP2C	Y	-84.6527	5.75
53	MP2C	My	-.0386	5.75
54	MP2C	Mz	.0591	5.75
55	MP1A	Y	-46.1446	3.75
56	MP1A	My	.0231	3.75
57	MP1A	Mz	0	3.75
58	MP1B	Y	-46.1446	3.75
59	MP1B	My	-.0177	3.75
60	MP1B	Mz	.0148	3.75
61	MP1C	Y	-46.1446	3.75
62	MP1C	My	-.0079	3.75
63	MP1C	Mz	-.0217	3.75
64	MP2A	Y	-41.5066	3.75
65	MP2A	My	.0208	3.75
66	MP2A	Mz	0	3.75
67	MP2B	Y	-41.5066	3.75
68	MP2B	My	-.0159	3.75
69	MP2B	Mz	.0133	3.75
70	MP2C	Y	-41.5066	3.75
71	MP2C	My	-.0071	3.75
72	MP2C	Mz	-.0195	3.75
73	MP2C	Y	6.6	1
74	MP2C	My	-.000941	1
75	MP2C	Mz	-.0026	1
76	MP2C	Y	6.6	1
77	MP2C	My	.000941	1
78	MP2C	Mz	.0026	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	-94.727	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	-94.727	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	-69.067	2
9	MP4B	Mx	.0222	2
10	MP4B	X	0	4
11	MP4B	Z	-69.067	4
12	MP4B	Mx	.0222	4
13	MP4C	X	0	2
14	MP4C	Z	-39.888	2
15	MP4C	Mx	-.0187	2
16	MP4C	X	0	4
17	MP4C	Z	-39.888	4
18	MP4C	Mx	-.0187	4
19	MP2A	X	0	.25
20	MP2A	Z	-114.301	.25
21	MP2A	Mx	-.0762	.25
22	MP2A	X	0	5.75
23	MP2A	Z	-114.301	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.0762	5.75
25	MP2B	X	0	.25
26	MP2B	Z	-102.419	.25
27	MP2B	Mx	.0852	.25
28	MP2B	X	0	5.75
29	MP2B	Z	-102.419	5.75
30	MP2B	Mx	.0852	5.75
31	MP2C	X	0	.25
32	MP2C	Z	-88.908	.25
33	MP2C	Mx	-.0215	.25
34	MP2C	X	0	5.75
35	MP2C	Z	-88.908	5.75
36	MP2C	Mx	-.0215	5.75
37	MP2A	X	0	.25
38	MP2A	Z	-114.301	.25
39	MP2A	Mx	.0762	.25
40	MP2A	X	0	5.75
41	MP2A	Z	-114.301	5.75
42	MP2A	Mx	.0762	5.75
43	MP2B	X	0	.25
44	MP2B	Z	-102.419	.25
45	MP2B	Mx	-.0194	.25
46	MP2B	X	0	5.75
47	MP2B	Z	-102.419	5.75
48	MP2B	Mx	-.0194	5.75
49	MP2C	X	0	.25
50	MP2C	Z	-88.908	.25
51	MP2C	Mx	-.062	.25
52	MP2C	X	0	5.75
53	MP2C	Z	-88.908	5.75
54	MP2C	Mx	-.062	5.75
55	MP1A	X	0	3.75
56	MP1A	Z	-74.912	3.75
57	MP1A	Mx	0	3.75
58	MP1B	X	0	3.75
59	MP1B	Z	-64.728	3.75
60	MP1B	Mx	-.0208	3.75
61	MP1C	X	0	3.75
62	MP1C	Z	-53.147	3.75
63	MP1C	Mx	.025	3.75
64	MP2A	X	0	3.75
65	MP2A	Z	-74.912	3.75
66	MP2A	Mx	0	3.75
67	MP2B	X	0	3.75
68	MP2B	Z	-60.934	3.75
69	MP2B	Mx	-.0196	3.75
70	MP2C	X	0	3.75
71	MP2C	Z	-45.038	3.75
72	MP2C	Mx	.0212	1
73	MP2C	X	0	1
74	MP2C	Z	-17.854	1
75	MP2C	Mx	-.007	1
76	MP2C	X	0	1
77	MP2C	Z	-17.854	1
78	MP2C	Mx	.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	39.601	2
2	MP4A	Z	-68.59	2
3	MP4A	Mx	-.0198	2
4	MP4A	X	39.601	4
5	MP4A	Z	-68.59	4
6	MP4A	Mx	-.0198	4
7	MP4B	X	19.944	2
8	MP4B	Z	-34.544	2
9	MP4B	Mx	.0187	2
10	MP4B	X	19.944	4
11	MP4B	Z	-34.544	4
12	MP4B	Mx	.0187	4
13	MP4C	X	34.534	2
14	MP4C	Z	-59.814	2
15	MP4C	Mx	-.0222	2
16	MP4C	X	34.534	4
17	MP4C	Z	-59.814	4
18	MP4C	Mx	-.0222	4
19	MP2A	X	53.556	.25
20	MP2A	Z	-92.762	.25
21	MP2A	Mx	-.0886	.25
22	MP2A	X	53.556	5.75
23	MP2A	Z	-92.762	5.75
24	MP2A	Mx	-.0886	5.75
25	MP2B	X	44.454	.25
26	MP2B	Z	-76.997	.25
27	MP2B	Mx	.062	.25
28	MP2B	X	44.454	5.75
29	MP2B	Z	-76.997	5.75
30	MP2B	Mx	.062	5.75
31	MP2C	X	51.21	.25
32	MP2C	Z	-88.698	.25
33	MP2C	Mx	.0194	.25
34	MP2C	X	51.21	5.75
35	MP2C	Z	-88.698	5.75
36	MP2C	Mx	.0194	5.75
37	MP2A	X	53.556	.25
38	MP2A	Z	-92.762	.25
39	MP2A	Mx	.0351	.25
40	MP2A	X	53.556	5.75
41	MP2A	Z	-92.762	5.75
42	MP2A	Mx	.0351	5.75
43	MP2B	X	44.454	.25
44	MP2B	Z	-76.997	.25
45	MP2B	Mx	.0215	.25
46	MP2B	X	44.454	5.75
47	MP2B	Z	-76.997	5.75
48	MP2B	Mx	.0215	5.75
49	MP2C	X	51.21	.25
50	MP2C	Z	-88.698	.25
51	MP2C	Mx	-.0852	.25
52	MP2C	X	51.21	5.75
53	MP2C	Z	-88.698	5.75
54	MP2C	Mx	-.0852	5.75
55	MP1A	X	34.375	3.75
56	MP1A	Z	-59.539	3.75
57	MP1A	Mx	.0172	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	26.573	3.75
59	MP1B	Z	-46.026	3.75
60	MP1B	Mx	-.025	3.75
61	MP1C	X	32.364	3.75
62	MP1C	Z	-56.056	3.75
63	MP1C	Mx	.0208	3.75
64	MP2A	X	33.227	3.75
65	MP2A	Z	-57.551	3.75
66	MP2A	Mx	.0166	3.75
67	MP2B	X	22.519	3.75
68	MP2B	Z	-39.004	3.75
69	MP2B	Mx	-.0212	3.75
70	MP2C	X	30.467	3.75
71	MP2C	Z	-52.77	3.75
72	MP2C	Mx	.0196	3.75
73	MP2C	X	16.521	1
74	MP2C	Z	-28.615	1
75	MP2C	Mx	-.0088	1
76	MP2C	X	16.521	1
77	MP2C	Z	-28.615	1
78	MP2C	Mx	.0088	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	41.698	2
2	MP4A	Z	-24.074	2
3	MP4A	Mx	-.0208	2
4	MP4A	X	41.698	4
5	MP4A	Z	-24.074	4
6	MP4A	Mx	-.0208	4
7	MP4B	X	29.874	2
8	MP4B	Z	-17.248	2
9	MP4B	Mx	.017	2
10	MP4B	X	29.874	4
11	MP4B	Z	-17.248	4
12	MP4B	Mx	.017	4
13	MP4C	X	80.414	2
14	MP4C	Z	-46.427	2
15	MP4C	Mx	-.0081	2
16	MP4C	X	80.414	4
17	MP4C	Z	-46.427	4
18	MP4C	Mx	-.0081	4
19	MP2A	X	80.31	.25
20	MP2A	Z	-46.367	.25
21	MP2A	Mx	-.0711	.25
22	MP2A	X	80.31	5.75
23	MP2A	Z	-46.367	5.75
24	MP2A	Mx	-.0711	5.75
25	MP2B	X	74.835	.25
26	MP2B	Z	-43.206	.25
27	MP2B	Mx	.0325	.25
28	MP2B	X	74.835	5.75
29	MP2B	Z	-43.206	5.75
30	MP2B	Mx	.0325	5.75
31	MP2C	X	98.237	.25
32	MP2C	Z	-56.717	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.0646	.25
34	MP2C	X	98.237	5.75
35	MP2C	Z	-56.717	5.75
36	MP2C	Mx	.0646	5.75
37	MP2A	X	80.31	.25
38	MP2A	Z	-46.367	.25
39	MP2A	Mx	-.0092	.25
40	MP2A	X	80.31	5.75
41	MP2A	Z	-46.367	5.75
42	MP2A	Mx	-.0092	5.75
43	MP2B	X	74.835	.25
44	MP2B	Z	-43.206	.25
45	MP2B	Mx	.0526	.25
46	MP2B	X	74.835	5.75
47	MP2B	Z	-43.206	5.75
48	MP2B	Mx	.0526	5.75
49	MP2C	X	98.237	.25
50	MP2C	Z	-56.717	.25
51	MP2C	Mx	-.0843	.25
52	MP2C	X	98.237	5.75
53	MP2C	Z	-56.717	5.75
54	MP2C	Mx	-.0843	5.75
55	MP1A	X	48.866	3.75
56	MP1A	Z	-28.213	3.75
57	MP1A	Mx	.0244	3.75
58	MP1B	X	44.173	3.75
59	MP1B	Z	-25.503	3.75
60	MP1B	Mx	-.0251	3.75
61	MP1C	X	64.232	3.75
62	MP1C	Z	-37.084	3.75
63	MP1C	Mx	.0064	3.75
64	MP2A	X	42.902	3.75
65	MP2A	Z	-24.769	3.75
66	MP2A	Mx	.0215	3.75
67	MP2B	X	36.46	3.75
68	MP2B	Z	-21.05	3.75
69	MP2B	Mx	-.0207	3.75
70	MP2C	X	63.992	3.75
71	MP2C	Z	-36.946	3.75
72	MP2C	Mx	.0064	3.75
73	MP2C	X	39.337	1
74	MP2C	Z	-22.711	1
75	MP2C	Mx	-.0033	1
76	MP2C	X	39.337	1
77	MP2C	Z	-22.711	1
78	MP2C	Mx	.0033	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	32.623	2
2	MP4A	Z	0	2
3	MP4A	Mx	-.0163	2
4	MP4A	X	32.623	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.0163	4
7	MP4B	X	58.283	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	0	2
9	MP4B	Mx	.0223	2
10	MP4B	X	58.283	4
11	MP4B	Z	0	4
12	MP4B	Mx	.0223	4
13	MP4C	X	87.462	2
14	MP4C	Z	0	2
15	MP4C	Mx	.015	2
16	MP4C	X	87.462	4
17	MP4C	Z	0	4
18	MP4C	Mx	.015	4
19	MP2A	X	85.545	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.0428	.25
22	MP2A	X	85.545	5.75
23	MP2A	Z	0	5.75
24	MP2A	Mx	-.0428	5.75
25	MP2B	X	97.426	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.0044	.25
28	MP2B	X	97.426	5.75
29	MP2B	Z	0	5.75
30	MP2B	Mx	-.0044	5.75
31	MP2C	X	110.937	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.0885	.25
34	MP2C	X	110.937	5.75
35	MP2C	Z	0	5.75
36	MP2C	Mx	.0885	5.75
37	MP2A	X	85.545	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.0428	.25
40	MP2A	X	85.545	5.75
41	MP2A	Z	0	5.75
42	MP2A	Mx	-.0428	5.75
43	MP2B	X	97.426	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.0791	.25
46	MP2B	X	97.426	5.75
47	MP2B	Z	0	5.75
48	MP2B	Mx	.0791	5.75
49	MP2C	X	110.937	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.0505	.25
52	MP2C	X	110.937	5.75
53	MP2C	Z	0	5.75
54	MP2C	Mx	-.0505	5.75
55	MP1A	X	50.263	3.75
56	MP1A	Z	0	3.75
57	MP1A	Mx	.0251	3.75
58	MP1B	X	60.448	3.75
59	MP1B	Z	0	3.75
60	MP1B	Mx	-.0232	3.75
61	MP1C	X	72.029	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	-.0123	3.75
64	MP2A	X	41.081	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	0	3.75
66	MP2A	Mx	.0205	3.75
67	MP2B	X	55.059	3.75
68	MP2B	Z	0	3.75
69	MP2B	Mx	-.0211	3.75
70	MP2C	X	70.954	3.75
71	MP2C	Z	0	3.75
72	MP2C	Mx	-.0121	3.75
73	MP2C	X	42.616	1
74	MP2C	Z	0	1
75	MP2C	Mx	.0061	1
76	MP2C	X	42.616	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.0061	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	41.698	2
2	MP4A	Z	24.074	2
3	MP4A	Mx	-.0208	2
4	MP4A	X	41.698	4
5	MP4A	Z	24.074	4
6	MP4A	Mx	-.0208	4
7	MP4B	X	75.745	2
8	MP4B	Z	43.731	2
9	MP4B	Mx	.015	2
10	MP4B	X	75.745	4
11	MP4B	Z	43.731	4
12	MP4B	Mx	.015	4
13	MP4C	X	50.474	2
14	MP4C	Z	29.141	2
15	MP4C	Mx	.0223	2
16	MP4C	X	50.474	4
17	MP4C	Z	29.141	4
18	MP4C	Mx	.0223	4
19	MP2A	X	80.31	.25
20	MP2A	Z	46.367	.25
21	MP2A	Mx	-.0092	.25
22	MP2A	X	80.31	5.75
23	MP2A	Z	46.367	5.75
24	MP2A	Mx	-.0092	5.75
25	MP2B	X	96.074	.25
26	MP2B	Z	55.469	.25
27	MP2B	Mx	-.0505	.25
28	MP2B	X	96.074	5.75
29	MP2B	Z	55.469	5.75
30	MP2B	Mx	-.0505	5.75
31	MP2C	X	84.373	.25
32	MP2C	Z	48.713	.25
33	MP2C	Mx	.0791	.25
34	MP2C	X	84.373	5.75
35	MP2C	Z	48.713	5.75
36	MP2C	Mx	.0791	5.75
37	MP2A	X	80.31	.25
38	MP2A	Z	46.367	.25
39	MP2A	Mx	-.0711	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	80.31	5.75
41	MP2A	Z	46.367	5.75
42	MP2A	Mx	-.0711	5.75
43	MP2B	X	96.074	.25
44	MP2B	Z	55.469	.25
45	MP2B	Mx	.0885	.25
46	MP2B	X	96.074	5.75
47	MP2B	Z	55.469	5.75
48	MP2B	Mx	.0885	5.75
49	MP2C	X	84.373	.25
50	MP2C	Z	48.713	.25
51	MP2C	Mx	-.0044	.25
52	MP2C	X	84.373	5.75
53	MP2C	Z	48.713	5.75
54	MP2C	Mx	-.0044	5.75
55	MP1A	X	48.866	3.75
56	MP1A	Z	28.213	3.75
57	MP1A	Mx	.0244	3.75
58	MP1B	X	62.379	3.75
59	MP1B	Z	36.014	3.75
60	MP1B	Mx	-.0123	3.75
61	MP1C	X	52.349	3.75
62	MP1C	Z	30.224	3.75
63	MP1C	Mx	-.0232	3.75
64	MP2A	X	42.902	3.75
65	MP2A	Z	24.769	3.75
66	MP2A	Mx	.0215	3.75
67	MP2B	X	61.448	3.75
68	MP2B	Z	35.477	3.75
69	MP2B	Mx	-.0121	3.75
70	MP2C	X	47.682	3.75
71	MP2C	Z	27.529	3.75
72	MP2C	Mx	-.0211	3.75
73	MP2C	X	23.754	1
74	MP2C	Z	13.714	1
75	MP2C	Mx	.0088	1
76	MP2C	X	23.754	1
77	MP2C	Z	13.714	1
78	MP2C	Mx	-.0088	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	39.601	2
2	MP4A	Z	68.59	2
3	MP4A	Mx	-.0198	2
4	MP4A	X	39.601	4
5	MP4A	Z	68.59	4
6	MP4A	Mx	-.0198	4
7	MP4B	X	46.427	2
8	MP4B	Z	80.414	2
9	MP4B	Mx	-.0081	2
10	MP4B	X	46.427	4
11	MP4B	Z	80.414	4
12	MP4B	Mx	-.0081	4
13	MP4C	X	17.248	2
14	MP4C	Z	29.874	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	.017	2
16	MP4C	X	17.248	4
17	MP4C	Z	29.874	4
18	MP4C	Mx	.017	4
19	MP2A	X	53.556	.25
20	MP2A	Z	92.762	.25
21	MP2A	Mx	.0351	.25
22	MP2A	X	53.556	5.75
23	MP2A	Z	92.762	5.75
24	MP2A	Mx	.0351	5.75
25	MP2B	X	56.717	.25
26	MP2B	Z	98.237	.25
27	MP2B	Mx	-.0843	.25
28	MP2B	X	56.717	5.75
29	MP2B	Z	98.237	5.75
30	MP2B	Mx	-.0843	5.75
31	MP2C	X	43.206	.25
32	MP2C	Z	74.835	.25
33	MP2C	Mx	.0526	.25
34	MP2C	X	43.206	5.75
35	MP2C	Z	74.835	5.75
36	MP2C	Mx	.0526	5.75
37	MP2A	X	53.556	.25
38	MP2A	Z	92.762	.25
39	MP2A	Mx	-.0886	.25
40	MP2A	X	53.556	5.75
41	MP2A	Z	92.762	5.75
42	MP2A	Mx	-.0886	5.75
43	MP2B	X	56.717	.25
44	MP2B	Z	98.237	.25
45	MP2B	Mx	.0646	.25
46	MP2B	X	56.717	5.75
47	MP2B	Z	98.237	5.75
48	MP2B	Mx	.0646	5.75
49	MP2C	X	43.206	.25
50	MP2C	Z	74.835	.25
51	MP2C	Mx	.0325	.25
52	MP2C	X	43.206	5.75
53	MP2C	Z	74.835	5.75
54	MP2C	Mx	.0325	5.75
55	MP1A	X	34.375	3.75
56	MP1A	Z	59.539	3.75
57	MP1A	Mx	.0172	3.75
58	MP1B	X	37.084	3.75
59	MP1B	Z	64.232	3.75
60	MP1B	Mx	.0064	3.75
61	MP1C	X	25.503	3.75
62	MP1C	Z	44.173	3.75
63	MP1C	Mx	-.0251	3.75
64	MP2A	X	33.227	3.75
65	MP2A	Z	57.551	3.75
66	MP2A	Mx	.0166	3.75
67	MP2B	X	36.946	3.75
68	MP2B	Z	63.992	3.75
69	MP2B	Mx	.0064	3.75
70	MP2C	X	21.05	3.75
71	MP2C	Z	36.46	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	-.0207	3.75
73	MP2C	X	7.524	1
74	MP2C	Z	13.031	1
75	MP2C	Mx	.0062	1
76	MP2C	X	7.524	1
77	MP2C	Z	13.031	1
78	MP2C	Mx	-.0062	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	94.727	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	94.727	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	69.067	2
9	MP4B	Mx	-.0222	2
10	MP4B	X	0	4
11	MP4B	Z	69.067	4
12	MP4B	Mx	-.0222	4
13	MP4C	X	0	2
14	MP4C	Z	39.888	2
15	MP4C	Mx	.0187	2
16	MP4C	X	0	4
17	MP4C	Z	39.888	4
18	MP4C	Mx	.0187	4
19	MP2A	X	0	.25
20	MP2A	Z	114.301	.25
21	MP2A	Mx	.0762	.25
22	MP2A	X	0	5.75
23	MP2A	Z	114.301	5.75
24	MP2A	Mx	.0762	5.75
25	MP2B	X	0	.25
26	MP2B	Z	102.419	.25
27	MP2B	Mx	-.0852	.25
28	MP2B	X	0	5.75
29	MP2B	Z	102.419	5.75
30	MP2B	Mx	-.0852	5.75
31	MP2C	X	0	.25
32	MP2C	Z	88.908	.25
33	MP2C	Mx	.0215	.25
34	MP2C	X	0	5.75
35	MP2C	Z	88.908	5.75
36	MP2C	Mx	.0215	5.75
37	MP2A	X	0	.25
38	MP2A	Z	114.301	.25
39	MP2A	Mx	-.0762	.25
40	MP2A	X	0	5.75
41	MP2A	Z	114.301	5.75
42	MP2A	Mx	-.0762	5.75
43	MP2B	X	0	.25
44	MP2B	Z	102.419	.25
45	MP2B	Mx	.0194	.25
46	MP2B	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2B	Z	102.419	5.75
48	MP2B	Mx	.0194	5.75
49	MP2C	X	0	.25
50	MP2C	Z	88.908	.25
51	MP2C	Mx	.062	.25
52	MP2C	X	0	5.75
53	MP2C	Z	88.908	5.75
54	MP2C	Mx	.062	5.75
55	MP1A	X	0	3.75
56	MP1A	Z	74.912	3.75
57	MP1A	Mx	0	3.75
58	MP1B	X	0	3.75
59	MP1B	Z	64.728	3.75
60	MP1B	Mx	.0208	3.75
61	MP1C	X	0	3.75
62	MP1C	Z	53.147	3.75
63	MP1C	Mx	-.025	3.75
64	MP2A	X	0	3.75
65	MP2A	Z	74.912	3.75
66	MP2A	Mx	0	3.75
67	MP2B	X	0	3.75
68	MP2B	Z	60.934	3.75
69	MP2B	Mx	.0196	3.75
70	MP2C	X	0	3.75
71	MP2C	Z	45.038	3.75
72	MP2C	Mx	-.0212	3.75
73	MP2C	X	0	1
74	MP2C	Z	17.854	1
75	MP2C	Mx	.007	1
76	MP2C	X	0	1
77	MP2C	Z	17.854	1
78	MP2C	Mx	-.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-39.601	2
2	MP4A	Z	68.59	2
3	MP4A	Mx	.0198	2
4	MP4A	X	-39.601	4
5	MP4A	Z	68.59	4
6	MP4A	Mx	.0198	4
7	MP4B	X	-19.944	2
8	MP4B	Z	34.544	2
9	MP4B	Mx	-.0187	2
10	MP4B	X	-19.944	4
11	MP4B	Z	34.544	4
12	MP4B	Mx	-.0187	4
13	MP4C	X	-34.534	2
14	MP4C	Z	59.814	2
15	MP4C	Mx	.0222	2
16	MP4C	X	-34.534	4
17	MP4C	Z	59.814	4
18	MP4C	Mx	.0222	4
19	MP2A	X	-53.556	.25
20	MP2A	Z	92.762	.25
21	MP2A	Mx	.0886	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-53.556	5.75
23	MP2A	Z	92.762	5.75
24	MP2A	Mx	.0886	5.75
25	MP2B	X	-44.454	.25
26	MP2B	Z	76.997	.25
27	MP2B	Mx	-.062	.25
28	MP2B	X	-44.454	5.75
29	MP2B	Z	76.997	5.75
30	MP2B	Mx	-.062	5.75
31	MP2C	X	-51.21	.25
32	MP2C	Z	88.698	.25
33	MP2C	Mx	-.0194	.25
34	MP2C	X	-51.21	5.75
35	MP2C	Z	88.698	5.75
36	MP2C	Mx	-.0194	5.75
37	MP2A	X	-53.556	.25
38	MP2A	Z	92.762	.25
39	MP2A	Mx	-.0351	.25
40	MP2A	X	-53.556	5.75
41	MP2A	Z	92.762	5.75
42	MP2A	Mx	-.0351	5.75
43	MP2B	X	-44.454	.25
44	MP2B	Z	76.997	.25
45	MP2B	Mx	-.0215	.25
46	MP2B	X	-44.454	5.75
47	MP2B	Z	76.997	5.75
48	MP2B	Mx	-.0215	5.75
49	MP2C	X	-51.21	.25
50	MP2C	Z	88.698	.25
51	MP2C	Mx	.0852	.25
52	MP2C	X	-51.21	5.75
53	MP2C	Z	88.698	5.75
54	MP2C	Mx	.0852	5.75
55	MP1A	X	-34.375	3.75
56	MP1A	Z	59.539	3.75
57	MP1A	Mx	-.0172	3.75
58	MP1B	X	-26.573	3.75
59	MP1B	Z	46.026	3.75
60	MP1B	Mx	.025	3.75
61	MP1C	X	-32.364	3.75
62	MP1C	Z	56.056	3.75
63	MP1C	Mx	-.0208	3.75
64	MP2A	X	-33.227	3.75
65	MP2A	Z	57.551	3.75
66	MP2A	Mx	-.0166	3.75
67	MP2B	X	-22.519	3.75
68	MP2B	Z	39.004	3.75
69	MP2B	Mx	.0212	3.75
70	MP2C	X	-30.467	3.75
71	MP2C	Z	52.77	3.75
72	MP2C	Mx	-.0196	3.75
73	MP2C	X	-16.521	1
74	MP2C	Z	28.615	1
75	MP2C	Mx	.0088	1
76	MP2C	X	-16.521	1
77	MP2C	Z	28.615	1
78	MP2C	Mx	-.0088	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-41.698	2
2	MP4A	Z	24.074	2
3	MP4A	Mx	.0208	2
4	MP4A	X	-41.698	4
5	MP4A	Z	24.074	4
6	MP4A	Mx	.0208	4
7	MP4B	X	-29.874	2
8	MP4B	Z	17.248	2
9	MP4B	Mx	-.017	2
10	MP4B	X	-29.874	4
11	MP4B	Z	17.248	4
12	MP4B	Mx	-.017	4
13	MP4C	X	-80.414	2
14	MP4C	Z	46.427	2
15	MP4C	Mx	.0081	2
16	MP4C	X	-80.414	4
17	MP4C	Z	46.427	4
18	MP4C	Mx	.0081	4
19	MP2A	X	-80.31	.25
20	MP2A	Z	46.367	.25
21	MP2A	Mx	.0711	.25
22	MP2A	X	-80.31	5.75
23	MP2A	Z	46.367	5.75
24	MP2A	Mx	.0711	5.75
25	MP2B	X	-74.835	.25
26	MP2B	Z	43.206	.25
27	MP2B	Mx	-.0325	.25
28	MP2B	X	-74.835	5.75
29	MP2B	Z	43.206	5.75
30	MP2B	Mx	-.0325	5.75
31	MP2C	X	-98.237	.25
32	MP2C	Z	56.717	.25
33	MP2C	Mx	-.0646	.25
34	MP2C	X	-98.237	5.75
35	MP2C	Z	56.717	5.75
36	MP2C	Mx	-.0646	5.75
37	MP2A	X	-80.31	.25
38	MP2A	Z	46.367	.25
39	MP2A	Mx	.0092	.25
40	MP2A	X	-80.31	5.75
41	MP2A	Z	46.367	5.75
42	MP2A	Mx	.0092	5.75
43	MP2B	X	-74.835	.25
44	MP2B	Z	43.206	.25
45	MP2B	Mx	-.0526	.25
46	MP2B	X	-74.835	5.75
47	MP2B	Z	43.206	5.75
48	MP2B	Mx	-.0526	5.75
49	MP2C	X	-98.237	.25
50	MP2C	Z	56.717	.25
51	MP2C	Mx	.0843	.25
52	MP2C	X	-98.237	5.75
53	MP2C	Z	56.717	5.75
54	MP2C	Mx	.0843	5.75
55	MP1A	X	-48.866	3.75
56	MP1A	Z	28.213	3.75
57	MP1A	Mx	-.0244	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	-44.173	3.75
59	MP1B	Z	25.503	3.75
60	MP1B	Mx	.0251	3.75
61	MP1C	X	-64.232	3.75
62	MP1C	Z	37.084	3.75
63	MP1C	Mx	-.0064	3.75
64	MP2A	X	-42.902	3.75
65	MP2A	Z	24.769	3.75
66	MP2A	Mx	-.0215	3.75
67	MP2B	X	-36.46	3.75
68	MP2B	Z	21.05	3.75
69	MP2B	Mx	.0207	3.75
70	MP2C	X	-63.992	3.75
71	MP2C	Z	36.946	3.75
72	MP2C	Mx	-.0064	3.75
73	MP2C	X	-39.337	1
74	MP2C	Z	22.711	1
75	MP2C	Mx	.0033	1
76	MP2C	X	-39.337	1
77	MP2C	Z	22.711	1
78	MP2C	Mx	-.0033	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-32.623	2
2	MP4A	Z	0	2
3	MP4A	Mx	.0163	2
4	MP4A	X	-32.623	4
5	MP4A	Z	0	4
6	MP4A	Mx	.0163	4
7	MP4B	X	-58.283	2
8	MP4B	Z	0	2
9	MP4B	Mx	-.0223	2
10	MP4B	X	-58.283	4
11	MP4B	Z	0	4
12	MP4B	Mx	-.0223	4
13	MP4C	X	-87.462	2
14	MP4C	Z	0	2
15	MP4C	Mx	-.015	2
16	MP4C	X	-87.462	4
17	MP4C	Z	0	4
18	MP4C	Mx	-.015	4
19	MP2A	X	-85.545	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.0428	.25
22	MP2A	X	-85.545	5.75
23	MP2A	Z	0	5.75
24	MP2A	Mx	.0428	5.75
25	MP2B	X	-97.426	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.0044	.25
28	MP2B	X	-97.426	5.75
29	MP2B	Z	0	5.75
30	MP2B	Mx	.0044	5.75
31	MP2C	X	-110.937	.25
32	MP2C	Z	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.0885	.25
34	MP2C	X	-110.937	5.75
35	MP2C	Z	0	5.75
36	MP2C	Mx	-.0885	5.75
37	MP2A	X	-85.545	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.0428	.25
40	MP2A	X	-85.545	5.75
41	MP2A	Z	0	5.75
42	MP2A	Mx	.0428	5.75
43	MP2B	X	-97.426	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.0791	.25
46	MP2B	X	-97.426	5.75
47	MP2B	Z	0	5.75
48	MP2B	Mx	-.0791	5.75
49	MP2C	X	-110.937	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.0505	.25
52	MP2C	X	-110.937	5.75
53	MP2C	Z	0	5.75
54	MP2C	Mx	.0505	5.75
55	MP1A	X	-50.263	3.75
56	MP1A	Z	0	3.75
57	MP1A	Mx	-.0251	3.75
58	MP1B	X	-60.448	3.75
59	MP1B	Z	0	3.75
60	MP1B	Mx	.0232	3.75
61	MP1C	X	-72.029	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	.0123	3.75
64	MP2A	X	-41.081	3.75
65	MP2A	Z	0	3.75
66	MP2A	Mx	-.0205	3.75
67	MP2B	X	-55.059	3.75
68	MP2B	Z	0	3.75
69	MP2B	Mx	.0211	3.75
70	MP2C	X	-70.954	3.75
71	MP2C	Z	0	3.75
72	MP2C	Mx	.0121	3.75
73	MP2C	X	-42.616	1
74	MP2C	Z	0	1
75	MP2C	Mx	-.0061	1
76	MP2C	X	-42.616	1
77	MP2C	Z	0	1
78	MP2C	Mx	.0061	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-41.698	2
2	MP4A	Z	-24.074	2
3	MP4A	Mx	.0208	2
4	MP4A	X	-41.698	4
5	MP4A	Z	-24.074	4
6	MP4A	Mx	.0208	4
7	MP4B	X	-75.745	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	-43.731	2
9	MP4B	Mx	-.015	2
10	MP4B	X	-75.745	4
11	MP4B	Z	-43.731	4
12	MP4B	Mx	-.015	4
13	MP4C	X	-50.474	2
14	MP4C	Z	-29.141	2
15	MP4C	Mx	-.0223	2
16	MP4C	X	-50.474	4
17	MP4C	Z	-29.141	4
18	MP4C	Mx	-.0223	4
19	MP2A	X	-80.31	.25
20	MP2A	Z	-46.367	.25
21	MP2A	Mx	.0092	.25
22	MP2A	X	-80.31	5.75
23	MP2A	Z	-46.367	5.75
24	MP2A	Mx	.0092	5.75
25	MP2B	X	-96.074	.25
26	MP2B	Z	-55.469	.25
27	MP2B	Mx	.0505	.25
28	MP2B	X	-96.074	5.75
29	MP2B	Z	-55.469	5.75
30	MP2B	Mx	.0505	5.75
31	MP2C	X	-84.373	.25
32	MP2C	Z	-48.713	.25
33	MP2C	Mx	-.0791	.25
34	MP2C	X	-84.373	5.75
35	MP2C	Z	-48.713	5.75
36	MP2C	Mx	-.0791	5.75
37	MP2A	X	-80.31	.25
38	MP2A	Z	-46.367	.25
39	MP2A	Mx	.0711	.25
40	MP2A	X	-80.31	5.75
41	MP2A	Z	-46.367	5.75
42	MP2A	Mx	.0711	5.75
43	MP2B	X	-96.074	.25
44	MP2B	Z	-55.469	.25
45	MP2B	Mx	-.0885	.25
46	MP2B	X	-96.074	5.75
47	MP2B	Z	-55.469	5.75
48	MP2B	Mx	-.0885	5.75
49	MP2C	X	-84.373	.25
50	MP2C	Z	-48.713	.25
51	MP2C	Mx	.0044	.25
52	MP2C	X	-84.373	5.75
53	MP2C	Z	-48.713	5.75
54	MP2C	Mx	.0044	5.75
55	MP1A	X	-48.866	3.75
56	MP1A	Z	-28.213	3.75
57	MP1A	Mx	-.0244	3.75
58	MP1B	X	-62.379	3.75
59	MP1B	Z	-36.014	3.75
60	MP1B	Mx	.0123	3.75
61	MP1C	X	-52.349	3.75
62	MP1C	Z	-30.224	3.75
63	MP1C	Mx	.0232	3.75
64	MP2A	X	-42.902	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	-24.769	3.75
66	MP2A	Mx	-.0215	3.75
67	MP2B	X	-61.448	3.75
68	MP2B	Z	-35.477	3.75
69	MP2B	Mx	.0121	3.75
70	MP2C	X	-47.682	3.75
71	MP2C	Z	-27.529	3.75
72	MP2C	Mx	.0211	3.75
73	MP2C	X	-23.754	1
74	MP2C	Z	-13.714	1
75	MP2C	Mx	-.0088	1
76	MP2C	X	-23.754	1
77	MP2C	Z	-13.714	1
78	MP2C	Mx	.0088	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-39.601	2
2	MP4A	Z	-68.59	2
3	MP4A	Mx	.0198	2
4	MP4A	X	-39.601	4
5	MP4A	Z	-68.59	4
6	MP4A	Mx	.0198	4
7	MP4B	X	-46.427	2
8	MP4B	Z	-80.414	2
9	MP4B	Mx	.0081	2
10	MP4B	X	-46.427	4
11	MP4B	Z	-80.414	4
12	MP4B	Mx	.0081	4
13	MP4C	X	-17.248	2
14	MP4C	Z	-29.874	2
15	MP4C	Mx	-.017	2
16	MP4C	X	-17.248	4
17	MP4C	Z	-29.874	4
18	MP4C	Mx	-.017	4
19	MP2A	X	-53.556	.25
20	MP2A	Z	-92.762	.25
21	MP2A	Mx	-.0351	.25
22	MP2A	X	-53.556	5.75
23	MP2A	Z	-92.762	5.75
24	MP2A	Mx	-.0351	5.75
25	MP2B	X	-56.717	.25
26	MP2B	Z	-98.237	.25
27	MP2B	Mx	.0843	.25
28	MP2B	X	-56.717	5.75
29	MP2B	Z	-98.237	5.75
30	MP2B	Mx	.0843	5.75
31	MP2C	X	-43.206	.25
32	MP2C	Z	-74.835	.25
33	MP2C	Mx	-.0526	.25
34	MP2C	X	-43.206	5.75
35	MP2C	Z	-74.835	5.75
36	MP2C	Mx	-.0526	5.75
37	MP2A	X	-53.556	.25
38	MP2A	Z	-92.762	.25
39	MP2A	Mx	.0886	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	-53.556	5.75
41	MP2A	Z	-92.762	5.75
42	MP2A	Mx	.0886	5.75
43	MP2B	X	-56.717	.25
44	MP2B	Z	-98.237	.25
45	MP2B	Mx	-.0646	.25
46	MP2B	X	-56.717	5.75
47	MP2B	Z	-98.237	5.75
48	MP2B	Mx	-.0646	5.75
49	MP2C	X	-43.206	.25
50	MP2C	Z	-74.835	.25
51	MP2C	Mx	-.0325	.25
52	MP2C	X	-43.206	5.75
53	MP2C	Z	-74.835	5.75
54	MP2C	Mx	-.0325	5.75
55	MP1A	X	-34.375	3.75
56	MP1A	Z	-59.539	3.75
57	MP1A	Mx	-.0172	3.75
58	MP1B	X	-37.084	3.75
59	MP1B	Z	-64.232	3.75
60	MP1B	Mx	-.0064	3.75
61	MP1C	X	-25.503	3.75
62	MP1C	Z	-44.173	3.75
63	MP1C	Mx	.0251	3.75
64	MP2A	X	-33.227	3.75
65	MP2A	Z	-57.551	3.75
66	MP2A	Mx	-.0166	3.75
67	MP2B	X	-36.946	3.75
68	MP2B	Z	-63.992	3.75
69	MP2B	Mx	-.0064	3.75
70	MP2C	X	-21.05	3.75
71	MP2C	Z	-36.46	3.75
72	MP2C	Mx	.0207	3.75
73	MP2C	X	-7.524	1
74	MP2C	Z	-13.031	1
75	MP2C	Mx	-.0062	1
76	MP2C	X	-7.524	1
77	MP2C	Z	-13.031	1
78	MP2C	Mx	.0062	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	-20.588	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	-20.588	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	-15.713	2
9	MP4B	Mx	.005	2
10	MP4B	X	0	4
11	MP4B	Z	-15.713	4
12	MP4B	Mx	.005	4
13	MP4C	X	0	2
14	MP4C	Z	-10.169	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.0048	2
16	MP4C	X	0	4
17	MP4C	Z	-10.169	4
18	MP4C	Mx	-.0048	4
19	MP2A	X	0	.25
20	MP2A	Z	-41.701	.25
21	MP2A	Mx	-.0278	.25
22	MP2A	X	0	5.75
23	MP2A	Z	-41.701	5.75
24	MP2A	Mx	-.0278	5.75
25	MP2B	X	0	.25
26	MP2B	Z	-37.511	.25
27	MP2B	Mx	.0312	.25
28	MP2B	X	0	5.75
29	MP2B	Z	-37.511	5.75
30	MP2B	Mx	.0312	5.75
31	MP2C	X	0	.25
32	MP2C	Z	-32.747	.25
33	MP2C	Mx	-.0079	.25
34	MP2C	X	0	5.75
35	MP2C	Z	-32.747	5.75
36	MP2C	Mx	-.0079	5.75
37	MP2A	X	0	.25
38	MP2A	Z	-41.701	.25
39	MP2A	Mx	.0278	.25
40	MP2A	X	0	5.75
41	MP2A	Z	-41.701	5.75
42	MP2A	Mx	.0278	5.75
43	MP2B	X	0	.25
44	MP2B	Z	-37.511	.25
45	MP2B	Mx	-.0071	.25
46	MP2B	X	0	5.75
47	MP2B	Z	-37.511	5.75
48	MP2B	Mx	-.0071	5.75
49	MP2C	X	0	.25
50	MP2C	Z	-32.747	.25
51	MP2C	Mx	-.0229	.25
52	MP2C	X	0	5.75
53	MP2C	Z	-32.747	5.75
54	MP2C	Mx	-.0229	5.75
55	MP1A	X	0	3.75
56	MP1A	Z	-17.376	3.75
57	MP1A	Mx	0	3.75
58	MP1B	X	0	3.75
59	MP1B	Z	-15.195	3.75
60	MP1B	Mx	-.0049	3.75
61	MP1C	X	0	3.75
62	MP1C	Z	-12.716	3.75
63	MP1C	Mx	.006	3.75
64	MP2A	X	0	3.75
65	MP2A	Z	-17.376	3.75
66	MP2A	Mx	0	3.75
67	MP2B	X	0	3.75
68	MP2B	Z	-14.367	3.75
69	MP2B	Mx	-.0046	3.75
70	MP2C	X	0	3.75
71	MP2C	Z	-10.945	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.0051	3.75
73	MP2C	X	0	1
74	MP2C	Z	-4.318	1
75	MP2C	Mx	-.0017	1
76	MP2C	X	0	1
77	MP2C	Z	-4.318	1
78	MP2C	Mx	.0017	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.819	2
2	MP4A	Z	-15.275	2
3	MP4A	Mx	-.0044	2
4	MP4A	X	8.819	4
5	MP4A	Z	-15.275	4
6	MP4A	Mx	-.0044	4
7	MP4B	X	5.084	2
8	MP4B	Z	-8.806	2
9	MP4B	Mx	.0048	2
10	MP4B	X	5.084	4
11	MP4B	Z	-8.806	4
12	MP4B	Mx	.0048	4
13	MP4C	X	7.856	2
14	MP4C	Z	-13.608	2
15	MP4C	Mx	-.005	2
16	MP4C	X	7.856	4
17	MP4C	Z	-13.608	4
18	MP4C	Mx	-.005	4
19	MP2A	X	19.583	.25
20	MP2A	Z	-33.919	.25
21	MP2A	Mx	-.0324	.25
22	MP2A	X	19.583	5.75
23	MP2A	Z	-33.919	5.75
24	MP2A	Mx	-.0324	5.75
25	MP2B	X	16.374	.25
26	MP2B	Z	-28.36	.25
27	MP2B	Mx	.0229	.25
28	MP2B	X	16.374	5.75
29	MP2B	Z	-28.36	5.75
30	MP2B	Mx	.0229	5.75
31	MP2C	X	18.756	.25
32	MP2C	Z	-32.486	.25
33	MP2C	Mx	.0071	.25
34	MP2C	X	18.756	5.75
35	MP2C	Z	-32.486	5.75
36	MP2C	Mx	.0071	5.75
37	MP2A	X	19.583	.25
38	MP2A	Z	-33.919	.25
39	MP2A	Mx	.0128	.25
40	MP2A	X	19.583	5.75
41	MP2A	Z	-33.919	5.75
42	MP2A	Mx	.0128	5.75
43	MP2B	X	16.374	.25
44	MP2B	Z	-28.36	.25
45	MP2B	Mx	.0079	.25
46	MP2B	X	16.374	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2B	Z	-28.36	5.75
48	MP2B	Mx	.0079	5.75
49	MP2C	X	18.756	.25
50	MP2C	Z	-32.486	.25
51	MP2C	Mx	-.0312	.25
52	MP2C	X	18.756	5.75
53	MP2C	Z	-32.486	5.75
54	MP2C	Mx	-.0312	5.75
55	MP1A	X	8.028	3.75
56	MP1A	Z	-13.905	3.75
57	MP1A	Mx	.004	3.75
58	MP1B	X	6.358	3.75
59	MP1B	Z	-11.012	3.75
60	MP1B	Mx	-.006	3.75
61	MP1C	X	7.598	3.75
62	MP1C	Z	-13.159	3.75
63	MP1C	Mx	.0049	3.75
64	MP2A	X	7.777	3.75
65	MP2A	Z	-13.471	3.75
66	MP2A	Mx	.0039	3.75
67	MP2B	X	5.472	3.75
68	MP2B	Z	-9.478	3.75
69	MP2B	Mx	-.0051	3.75
70	MP2C	X	7.183	3.75
71	MP2C	Z	-12.442	3.75
72	MP2C	Mx	.0046	3.75
73	MP2C	X	3.555	1
74	MP2C	Z	-6.158	1
75	MP2C	Mx	-.0019	1
76	MP2C	X	3.555	1
77	MP2C	Z	-6.158	1
78	MP2C	Mx	.0019	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	10.166	2
2	MP4A	Z	-5.869	2
3	MP4A	Mx	-.0051	2
4	MP4A	X	10.166	4
5	MP4A	Z	-5.869	4
6	MP4A	Mx	-.0051	4
7	MP4B	X	7.919	2
8	MP4B	Z	-4.572	2
9	MP4B	Mx	.0045	2
10	MP4B	X	7.919	4
11	MP4B	Z	-4.572	4
12	MP4B	Mx	.0045	4
13	MP4C	X	17.522	2
14	MP4C	Z	-10.116	2
15	MP4C	Mx	-.0018	2
16	MP4C	X	17.522	4
17	MP4C	Z	-10.116	4
18	MP4C	Mx	-.0018	4
19	MP2A	X	29.528	.25
20	MP2A	Z	-17.048	.25
21	MP2A	Mx	-.0261	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	29.528	5.75
23	MP2A	Z	-17.048	5.75
24	MP2A	Mx	-.0261	5.75
25	MP2B	X	27.598	.25
26	MP2B	Z	-15.933	.25
27	MP2B	Mx	.012	.25
28	MP2B	X	27.598	5.75
29	MP2B	Z	-15.933	5.75
30	MP2B	Mx	.012	5.75
31	MP2C	X	35.849	.25
32	MP2C	Z	-20.698	.25
33	MP2C	Mx	.0236	.25
34	MP2C	X	35.849	5.75
35	MP2C	Z	-20.698	5.75
36	MP2C	Mx	.0236	5.75
37	MP2A	X	29.528	.25
38	MP2A	Z	-17.048	.25
39	MP2A	Mx	-.0034	.25
40	MP2A	X	29.528	5.75
41	MP2A	Z	-17.048	5.75
42	MP2A	Mx	-.0034	5.75
43	MP2B	X	27.598	.25
44	MP2B	Z	-15.933	.25
45	MP2B	Mx	.0194	.25
46	MP2B	X	27.598	5.75
47	MP2B	Z	-15.933	5.75
48	MP2B	Mx	.0194	5.75
49	MP2C	X	35.849	.25
50	MP2C	Z	-20.698	.25
51	MP2C	Mx	-.0308	.25
52	MP2C	X	35.849	5.75
53	MP2C	Z	-20.698	5.75
54	MP2C	Mx	-.0308	5.75
55	MP1A	X	11.62	3.75
56	MP1A	Z	-6.709	3.75
57	MP1A	Mx	.0058	3.75
58	MP1B	X	10.615	3.75
59	MP1B	Z	-6.129	3.75
60	MP1B	Mx	-.006	3.75
61	MP1C	X	14.91	3.75
62	MP1C	Z	-8.608	3.75
63	MP1C	Mx	.0015	3.75
64	MP2A	X	10.317	3.75
65	MP2A	Z	-5.957	3.75
66	MP2A	Mx	.0052	3.75
67	MP2B	X	8.931	3.75
68	MP2B	Z	-5.156	3.75
69	MP2B	Mx	-.0051	3.75
70	MP2C	X	14.858	3.75
71	MP2C	Z	-8.578	3.75
72	MP2C	Mx	.0015	3.75
73	MP2C	X	8.13	1
74	MP2C	Z	-4.694	1
75	MP2C	Mx	-.000679	1
76	MP2C	X	8.13	1
77	MP2C	Z	-4.694	1
78	MP2C	Mx	.000679	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.788	2
2	MP4A	Z	0	2
3	MP4A	Mx	-.0044	2
4	MP4A	X	8.788	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.0044	4
7	MP4B	X	13.664	2
8	MP4B	Z	0	2
9	MP4B	Mx	.0052	2
10	MP4B	X	13.664	4
11	MP4B	Z	0	4
12	MP4B	Mx	.0052	4
13	MP4C	X	19.208	2
14	MP4C	Z	0	2
15	MP4C	Mx	.0033	2
16	MP4C	X	19.208	4
17	MP4C	Z	0	4
18	MP4C	Mx	.0033	4
19	MP2A	X	31.561	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.0158	.25
22	MP2A	X	31.561	5.75
23	MP2A	Z	0	5.75
24	MP2A	Mx	-.0158	5.75
25	MP2B	X	35.751	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.0016	.25
28	MP2B	X	35.751	5.75
29	MP2B	Z	0	5.75
30	MP2B	Mx	-.0016	5.75
31	MP2C	X	40.515	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.0323	.25
34	MP2C	X	40.515	5.75
35	MP2C	Z	0	5.75
36	MP2C	Mx	.0323	5.75
37	MP2A	X	31.561	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.0158	.25
40	MP2A	X	31.561	5.75
41	MP2A	Z	0	5.75
42	MP2A	Mx	-.0158	5.75
43	MP2B	X	35.751	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.029	.25
46	MP2B	X	35.751	5.75
47	MP2B	Z	0	5.75
48	MP2B	Mx	.029	5.75
49	MP2C	X	40.515	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.0185	.25
52	MP2C	X	40.515	5.75
53	MP2C	Z	0	5.75
54	MP2C	Mx	-.0185	5.75
55	MP1A	X	12.098	3.75
56	MP1A	Z	0	3.75
57	MP1A	Mx	.006	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	14.279	3.75
59	MP1B	Z	0	3.75
60	MP1B	Mx	-.0055	3.75
61	MP1C	X	16.758	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	-.0029	3.75
64	MP2A	X	10.093	3.75
65	MP2A	Z	0	3.75
66	MP2A	Mx	.005	3.75
67	MP2B	X	13.102	3.75
68	MP2B	Z	0	3.75
69	MP2B	Mx	-.005	3.75
70	MP2C	X	16.524	3.75
71	MP2C	Z	0	3.75
72	MP2C	Mx	-.0028	3.75
73	MP2C	X	8.871	1
74	MP2C	Z	0	1
75	MP2C	Mx	.0013	1
76	MP2C	X	8.871	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.0013	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	10.166	2
2	MP4A	Z	5.869	2
3	MP4A	Mx	-.0051	2
4	MP4A	X	10.166	4
5	MP4A	Z	5.869	4
6	MP4A	Mx	-.0051	4
7	MP4B	X	16.635	2
8	MP4B	Z	9.604	2
9	MP4B	Mx	.0033	2
10	MP4B	X	16.635	4
11	MP4B	Z	9.604	4
12	MP4B	Mx	.0033	4
13	MP4C	X	11.833	2
14	MP4C	Z	6.832	2
15	MP4C	Mx	.0052	2
16	MP4C	X	11.833	4
17	MP4C	Z	6.832	4
18	MP4C	Mx	.0052	4
19	MP2A	X	29.528	.25
20	MP2A	Z	17.048	.25
21	MP2A	Mx	-.0034	.25
22	MP2A	X	29.528	5.75
23	MP2A	Z	17.048	5.75
24	MP2A	Mx	-.0034	5.75
25	MP2B	X	35.087	.25
26	MP2B	Z	20.257	.25
27	MP2B	Mx	-.0185	.25
28	MP2B	X	35.087	5.75
29	MP2B	Z	20.257	5.75
30	MP2B	Mx	-.0185	5.75
31	MP2C	X	30.961	.25
32	MP2C	Z	17.875	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.029	.25
34	MP2C	X	30.961	5.75
35	MP2C	Z	17.875	5.75
36	MP2C	Mx	.029	5.75
37	MP2A	X	29.528	.25
38	MP2A	Z	17.048	.25
39	MP2A	Mx	-.0261	.25
40	MP2A	X	29.528	5.75
41	MP2A	Z	17.048	5.75
42	MP2A	Mx	-.0261	5.75
43	MP2B	X	35.087	.25
44	MP2B	Z	20.257	.25
45	MP2B	Mx	.0323	.25
46	MP2B	X	35.087	5.75
47	MP2B	Z	20.257	5.75
48	MP2B	Mx	.0323	5.75
49	MP2C	X	30.961	.25
50	MP2C	Z	17.875	.25
51	MP2C	Mx	-.0016	.25
52	MP2C	X	30.961	5.75
53	MP2C	Z	17.875	5.75
54	MP2C	Mx	-.0016	5.75
55	MP1A	X	11.62	3.75
56	MP1A	Z	6.709	3.75
57	MP1A	Mx	.0058	3.75
58	MP1B	X	14.513	3.75
59	MP1B	Z	8.379	3.75
60	MP1B	Mx	-.0029	3.75
61	MP1C	X	12.366	3.75
62	MP1C	Z	7.139	3.75
63	MP1C	Mx	-.0055	3.75
64	MP2A	X	10.317	3.75
65	MP2A	Z	5.957	3.75
66	MP2A	Mx	.0052	3.75
67	MP2B	X	14.31	3.75
68	MP2B	Z	8.262	3.75
69	MP2B	Mx	-.0028	3.75
70	MP2C	X	11.347	3.75
71	MP2C	Z	6.551	3.75
72	MP2C	Mx	-.005	3.75
73	MP2C	X	5.264	1
74	MP2C	Z	3.039	1
75	MP2C	Mx	.0019	1
76	MP2C	X	5.264	1
77	MP2C	Z	3.039	1
78	MP2C	Mx	-.0019	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.819	2
2	MP4A	Z	15.275	2
3	MP4A	Mx	-.0044	2
4	MP4A	X	8.819	4
5	MP4A	Z	15.275	4
6	MP4A	Mx	-.0044	4
7	MP4B	X	10.116	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	17.522	2
9	MP4B	Mx	-.0018	2
10	MP4B	X	10.116	4
11	MP4B	Z	17.522	4
12	MP4B	Mx	-.0018	4
13	MP4C	X	4.572	2
14	MP4C	Z	7.919	2
15	MP4C	Mx	.0045	2
16	MP4C	X	4.572	4
17	MP4C	Z	7.919	4
18	MP4C	Mx	.0045	4
19	MP2A	X	19.583	.25
20	MP2A	Z	33.919	.25
21	MP2A	Mx	.0128	.25
22	MP2A	X	19.583	5.75
23	MP2A	Z	33.919	5.75
24	MP2A	Mx	.0128	5.75
25	MP2B	X	20.698	.25
26	MP2B	Z	35.849	.25
27	MP2B	Mx	-.0308	.25
28	MP2B	X	20.698	5.75
29	MP2B	Z	35.849	5.75
30	MP2B	Mx	-.0308	5.75
31	MP2C	X	15.933	.25
32	MP2C	Z	27.598	.25
33	MP2C	Mx	.0194	.25
34	MP2C	X	15.933	5.75
35	MP2C	Z	27.598	5.75
36	MP2C	Mx	.0194	5.75
37	MP2A	X	19.583	.25
38	MP2A	Z	33.919	.25
39	MP2A	Mx	-.0324	.25
40	MP2A	X	19.583	5.75
41	MP2A	Z	33.919	5.75
42	MP2A	Mx	-.0324	5.75
43	MP2B	X	20.698	.25
44	MP2B	Z	35.849	.25
45	MP2B	Mx	.0236	.25
46	MP2B	X	20.698	5.75
47	MP2B	Z	35.849	5.75
48	MP2B	Mx	.0236	5.75
49	MP2C	X	15.933	.25
50	MP2C	Z	27.598	.25
51	MP2C	Mx	.012	.25
52	MP2C	X	15.933	5.75
53	MP2C	Z	27.598	5.75
54	MP2C	Mx	.012	5.75
55	MP1A	X	8.028	3.75
56	MP1A	Z	13.905	3.75
57	MP1A	Mx	.004	3.75
58	MP1B	X	8.608	3.75
59	MP1B	Z	14.91	3.75
60	MP1B	Mx	.0015	3.75
61	MP1C	X	6.129	3.75
62	MP1C	Z	10.615	3.75
63	MP1C	Mx	-.006	3.75
64	MP2A	X	7.777	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	13.471	3.75
66	MP2A	Mx	.0039	3.75
67	MP2B	X	8.578	3.75
68	MP2B	Z	14.858	3.75
69	MP2B	Mx	.0015	3.75
70	MP2C	X	5.156	3.75
71	MP2C	Z	8.931	3.75
72	MP2C	Mx	-.0051	3.75
73	MP2C	X	1.901	1
74	MP2C	Z	3.292	1
75	MP2C	Mx	.0016	1
76	MP2C	X	1.901	1
77	MP2C	Z	3.292	1
78	MP2C	Mx	-.0016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	20.588	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	20.588	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	15.713	2
9	MP4B	Mx	-.005	2
10	MP4B	X	0	4
11	MP4B	Z	15.713	4
12	MP4B	Mx	-.005	4
13	MP4C	X	0	2
14	MP4C	Z	10.169	2
15	MP4C	Mx	.0048	2
16	MP4C	X	0	4
17	MP4C	Z	10.169	4
18	MP4C	Mx	.0048	4
19	MP2A	X	0	.25
20	MP2A	Z	41.701	.25
21	MP2A	Mx	.0278	.25
22	MP2A	X	0	5.75
23	MP2A	Z	41.701	5.75
24	MP2A	Mx	.0278	5.75
25	MP2B	X	0	.25
26	MP2B	Z	37.511	.25
27	MP2B	Mx	-.0312	.25
28	MP2B	X	0	5.75
29	MP2B	Z	37.511	5.75
30	MP2B	Mx	-.0312	5.75
31	MP2C	X	0	.25
32	MP2C	Z	32.747	.25
33	MP2C	Mx	.0079	.25
34	MP2C	X	0	5.75
35	MP2C	Z	32.747	5.75
36	MP2C	Mx	.0079	5.75
37	MP2A	X	0	.25
38	MP2A	Z	41.701	.25
39	MP2A	Mx	-.0278	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	0	5.75
41	MP2A	Z	41.701	5.75
42	MP2A	Mx	-.0278	5.75
43	MP2B	X	0	.25
44	MP2B	Z	37.511	.25
45	MP2B	Mx	.0071	.25
46	MP2B	X	0	5.75
47	MP2B	Z	37.511	5.75
48	MP2B	Mx	.0071	5.75
49	MP2C	X	0	.25
50	MP2C	Z	32.747	.25
51	MP2C	Mx	.0229	.25
52	MP2C	X	0	5.75
53	MP2C	Z	32.747	5.75
54	MP2C	Mx	.0229	5.75
55	MP1A	X	0	3.75
56	MP1A	Z	17.376	3.75
57	MP1A	Mx	0	3.75
58	MP1B	X	0	3.75
59	MP1B	Z	15.195	3.75
60	MP1B	Mx	.0049	3.75
61	MP1C	X	0	3.75
62	MP1C	Z	12.716	3.75
63	MP1C	Mx	-.006	3.75
64	MP2A	X	0	3.75
65	MP2A	Z	17.376	3.75
66	MP2A	Mx	0	3.75
67	MP2B	X	0	3.75
68	MP2B	Z	14.367	3.75
69	MP2B	Mx	.0046	3.75
70	MP2C	X	0	3.75
71	MP2C	Z	10.945	3.75
72	MP2C	Mx	-.0051	3.75
73	MP2C	X	0	1
74	MP2C	Z	4.318	1
75	MP2C	Mx	.0017	1
76	MP2C	X	0	1
77	MP2C	Z	4.318	1
78	MP2C	Mx	-.0017	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.819	2
2	MP4A	Z	15.275	2
3	MP4A	Mx	.0044	2
4	MP4A	X	-8.819	4
5	MP4A	Z	15.275	4
6	MP4A	Mx	.0044	4
7	MP4B	X	-5.084	2
8	MP4B	Z	8.806	2
9	MP4B	Mx	-.0048	2
10	MP4B	X	-5.084	4
11	MP4B	Z	8.806	4
12	MP4B	Mx	-.0048	4
13	MP4C	X	-7.856	2
14	MP4C	Z	13.608	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	.005	2
16	MP4C	X	-7.856	4
17	MP4C	Z	13.608	4
18	MP4C	Mx	.005	4
19	MP2A	X	-19.583	.25
20	MP2A	Z	33.919	.25
21	MP2A	Mx	.0324	.25
22	MP2A	X	-19.583	5.75
23	MP2A	Z	33.919	5.75
24	MP2A	Mx	.0324	5.75
25	MP2B	X	-16.374	.25
26	MP2B	Z	28.36	.25
27	MP2B	Mx	-.0229	.25
28	MP2B	X	-16.374	5.75
29	MP2B	Z	28.36	5.75
30	MP2B	Mx	-.0229	5.75
31	MP2C	X	-18.756	.25
32	MP2C	Z	32.486	.25
33	MP2C	Mx	-.0071	.25
34	MP2C	X	-18.756	5.75
35	MP2C	Z	32.486	5.75
36	MP2C	Mx	-.0071	5.75
37	MP2A	X	-19.583	.25
38	MP2A	Z	33.919	.25
39	MP2A	Mx	-.0128	.25
40	MP2A	X	-19.583	5.75
41	MP2A	Z	33.919	5.75
42	MP2A	Mx	-.0128	5.75
43	MP2B	X	-16.374	.25
44	MP2B	Z	28.36	.25
45	MP2B	Mx	-.0079	.25
46	MP2B	X	-16.374	5.75
47	MP2B	Z	28.36	5.75
48	MP2B	Mx	-.0079	5.75
49	MP2C	X	-18.756	.25
50	MP2C	Z	32.486	.25
51	MP2C	Mx	.0312	.25
52	MP2C	X	-18.756	5.75
53	MP2C	Z	32.486	5.75
54	MP2C	Mx	.0312	5.75
55	MP1A	X	-8.028	3.75
56	MP1A	Z	13.905	3.75
57	MP1A	Mx	-.004	3.75
58	MP1B	X	-6.358	3.75
59	MP1B	Z	11.012	3.75
60	MP1B	Mx	.006	3.75
61	MP1C	X	-7.598	3.75
62	MP1C	Z	13.159	3.75
63	MP1C	Mx	-.0049	3.75
64	MP2A	X	-7.777	3.75
65	MP2A	Z	13.471	3.75
66	MP2A	Mx	-.0039	3.75
67	MP2B	X	-5.472	3.75
68	MP2B	Z	9.478	3.75
69	MP2B	Mx	.0051	3.75
70	MP2C	X	-7.183	3.75
71	MP2C	Z	12.442	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	-.0046	3.75
73	MP2C	X	-3.555	1
74	MP2C	Z	6.158	1
75	MP2C	Mx	.0019	1
76	MP2C	X	-3.555	1
77	MP2C	Z	6.158	1
78	MP2C	Mx	-.0019	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-10.166	2
2	MP4A	Z	5.869	2
3	MP4A	Mx	.0051	2
4	MP4A	X	-10.166	4
5	MP4A	Z	5.869	4
6	MP4A	Mx	.0051	4
7	MP4B	X	-7.919	2
8	MP4B	Z	4.572	2
9	MP4B	Mx	-.0045	2
10	MP4B	X	-7.919	4
11	MP4B	Z	4.572	4
12	MP4B	Mx	-.0045	4
13	MP4C	X	-17.522	2
14	MP4C	Z	10.116	2
15	MP4C	Mx	.0018	2
16	MP4C	X	-17.522	4
17	MP4C	Z	10.116	4
18	MP4C	Mx	.0018	4
19	MP2A	X	-29.528	.25
20	MP2A	Z	17.048	.25
21	MP2A	Mx	.0261	.25
22	MP2A	X	-29.528	5.75
23	MP2A	Z	17.048	5.75
24	MP2A	Mx	.0261	5.75
25	MP2B	X	-27.598	.25
26	MP2B	Z	15.933	.25
27	MP2B	Mx	-.012	.25
28	MP2B	X	-27.598	5.75
29	MP2B	Z	15.933	5.75
30	MP2B	Mx	-.012	5.75
31	MP2C	X	-35.849	.25
32	MP2C	Z	20.698	.25
33	MP2C	Mx	-.0236	.25
34	MP2C	X	-35.849	5.75
35	MP2C	Z	20.698	5.75
36	MP2C	Mx	-.0236	5.75
37	MP2A	X	-29.528	.25
38	MP2A	Z	17.048	.25
39	MP2A	Mx	.0034	.25
40	MP2A	X	-29.528	5.75
41	MP2A	Z	17.048	5.75
42	MP2A	Mx	.0034	5.75
43	MP2B	X	-27.598	.25
44	MP2B	Z	15.933	.25
45	MP2B	Mx	-.0194	.25
46	MP2B	X	-27.598	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2B	Z	15.933	5.75
48	MP2B	Mx	-.0194	5.75
49	MP2C	X	-35.849	.25
50	MP2C	Z	20.698	.25
51	MP2C	Mx	.0308	.25
52	MP2C	X	-35.849	5.75
53	MP2C	Z	20.698	5.75
54	MP2C	Mx	.0308	5.75
55	MP1A	X	-11.62	3.75
56	MP1A	Z	6.709	3.75
57	MP1A	Mx	-.0058	3.75
58	MP1B	X	-10.615	3.75
59	MP1B	Z	6.129	3.75
60	MP1B	Mx	.006	3.75
61	MP1C	X	-14.91	3.75
62	MP1C	Z	8.608	3.75
63	MP1C	Mx	-.0015	3.75
64	MP2A	X	-10.317	3.75
65	MP2A	Z	5.957	3.75
66	MP2A	Mx	-.0052	3.75
67	MP2B	X	-8.931	3.75
68	MP2B	Z	5.156	3.75
69	MP2B	Mx	.0051	3.75
70	MP2C	X	-14.858	3.75
71	MP2C	Z	8.578	3.75
72	MP2C	Mx	-.0015	3.75
73	MP2C	X	-8.13	1
74	MP2C	Z	4.694	1
75	MP2C	Mx	.000679	1
76	MP2C	X	-8.13	1
77	MP2C	Z	4.694	1
78	MP2C	Mx	-.000679	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.788	2
2	MP4A	Z	0	2
3	MP4A	Mx	.0044	2
4	MP4A	X	-8.788	4
5	MP4A	Z	0	4
6	MP4A	Mx	.0044	4
7	MP4B	X	-13.664	2
8	MP4B	Z	0	2
9	MP4B	Mx	-.0052	2
10	MP4B	X	-13.664	4
11	MP4B	Z	0	4
12	MP4B	Mx	-.0052	4
13	MP4C	X	-19.208	2
14	MP4C	Z	0	2
15	MP4C	Mx	-.0033	2
16	MP4C	X	-19.208	4
17	MP4C	Z	0	4
18	MP4C	Mx	-.0033	4
19	MP2A	X	-31.561	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.0158	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-31.561	5.75
23	MP2A	Z	0	5.75
24	MP2A	Mx	.0158	5.75
25	MP2B	X	-35.751	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.0016	.25
28	MP2B	X	-35.751	5.75
29	MP2B	Z	0	5.75
30	MP2B	Mx	.0016	5.75
31	MP2C	X	-40.515	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.0323	.25
34	MP2C	X	-40.515	5.75
35	MP2C	Z	0	5.75
36	MP2C	Mx	-.0323	5.75
37	MP2A	X	-31.561	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.0158	.25
40	MP2A	X	-31.561	5.75
41	MP2A	Z	0	5.75
42	MP2A	Mx	.0158	5.75
43	MP2B	X	-35.751	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.029	.25
46	MP2B	X	-35.751	5.75
47	MP2B	Z	0	5.75
48	MP2B	Mx	-.029	5.75
49	MP2C	X	-40.515	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.0185	.25
52	MP2C	X	-40.515	5.75
53	MP2C	Z	0	5.75
54	MP2C	Mx	.0185	5.75
55	MP1A	X	-12.098	3.75
56	MP1A	Z	0	3.75
57	MP1A	Mx	-.006	3.75
58	MP1B	X	-14.279	3.75
59	MP1B	Z	0	3.75
60	MP1B	Mx	.0055	3.75
61	MP1C	X	-16.758	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	.0029	3.75
64	MP2A	X	-10.093	3.75
65	MP2A	Z	0	3.75
66	MP2A	Mx	-.005	3.75
67	MP2B	X	-13.102	3.75
68	MP2B	Z	0	3.75
69	MP2B	Mx	.005	3.75
70	MP2C	X	-16.524	3.75
71	MP2C	Z	0	3.75
72	MP2C	Mx	.0028	3.75
73	MP2C	X	-8.871	1
74	MP2C	Z	0	1
75	MP2C	Mx	-.0013	1
76	MP2C	X	-8.871	1
77	MP2C	Z	0	1
78	MP2C	Mx	.0013	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-10.166	2
2	MP4A	Z	-5.869	2
3	MP4A	Mx	.0051	2
4	MP4A	X	-10.166	4
5	MP4A	Z	-5.869	4
6	MP4A	Mx	.0051	4
7	MP4B	X	-16.635	2
8	MP4B	Z	-9.604	2
9	MP4B	Mx	-.0033	2
10	MP4B	X	-16.635	4
11	MP4B	Z	-9.604	4
12	MP4B	Mx	-.0033	4
13	MP4C	X	-11.833	2
14	MP4C	Z	-6.832	2
15	MP4C	Mx	-.0052	2
16	MP4C	X	-11.833	4
17	MP4C	Z	-6.832	4
18	MP4C	Mx	-.0052	4
19	MP2A	X	-29.528	.25
20	MP2A	Z	-17.048	.25
21	MP2A	Mx	.0034	.25
22	MP2A	X	-29.528	5.75
23	MP2A	Z	-17.048	5.75
24	MP2A	Mx	.0034	5.75
25	MP2B	X	-35.087	.25
26	MP2B	Z	-20.257	.25
27	MP2B	Mx	.0185	.25
28	MP2B	X	-35.087	5.75
29	MP2B	Z	-20.257	5.75
30	MP2B	Mx	.0185	5.75
31	MP2C	X	-30.961	.25
32	MP2C	Z	-17.875	.25
33	MP2C	Mx	-.029	.25
34	MP2C	X	-30.961	5.75
35	MP2C	Z	-17.875	5.75
36	MP2C	Mx	-.029	5.75
37	MP2A	X	-29.528	.25
38	MP2A	Z	-17.048	.25
39	MP2A	Mx	.0261	.25
40	MP2A	X	-29.528	5.75
41	MP2A	Z	-17.048	5.75
42	MP2A	Mx	.0261	5.75
43	MP2B	X	-35.087	.25
44	MP2B	Z	-20.257	.25
45	MP2B	Mx	-.0323	.25
46	MP2B	X	-35.087	5.75
47	MP2B	Z	-20.257	5.75
48	MP2B	Mx	-.0323	5.75
49	MP2C	X	-30.961	.25
50	MP2C	Z	-17.875	.25
51	MP2C	Mx	.0016	.25
52	MP2C	X	-30.961	5.75
53	MP2C	Z	-17.875	5.75
54	MP2C	Mx	.0016	5.75
55	MP1A	X	-11.62	3.75
56	MP1A	Z	-6.709	3.75
57	MP1A	Mx	-.0058	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	-14.513	3.75
59	MP1B	Z	-8.379	3.75
60	MP1B	Mx	.0029	3.75
61	MP1C	X	-12.366	3.75
62	MP1C	Z	-7.139	3.75
63	MP1C	Mx	.0055	3.75
64	MP2A	X	-10.317	3.75
65	MP2A	Z	-5.957	3.75
66	MP2A	Mx	-.0052	3.75
67	MP2B	X	-14.31	3.75
68	MP2B	Z	-8.262	3.75
69	MP2B	Mx	.0028	3.75
70	MP2C	X	-11.347	3.75
71	MP2C	Z	-6.551	3.75
72	MP2C	Mx	.005	3.75
73	MP2C	X	-5.264	1
74	MP2C	Z	-3.039	1
75	MP2C	Mx	-.0019	1
76	MP2C	X	-5.264	1
77	MP2C	Z	-3.039	1
78	MP2C	Mx	.0019	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.819	2
2	MP4A	Z	-15.275	2
3	MP4A	Mx	.0044	2
4	MP4A	X	-8.819	4
5	MP4A	Z	-15.275	4
6	MP4A	Mx	.0044	4
7	MP4B	X	-10.116	2
8	MP4B	Z	-17.522	2
9	MP4B	Mx	.0018	2
10	MP4B	X	-10.116	4
11	MP4B	Z	-17.522	4
12	MP4B	Mx	.0018	4
13	MP4C	X	-4.572	2
14	MP4C	Z	-7.919	2
15	MP4C	Mx	-.0045	2
16	MP4C	X	-4.572	4
17	MP4C	Z	-7.919	4
18	MP4C	Mx	-.0045	4
19	MP2A	X	-19.583	.25
20	MP2A	Z	-33.919	.25
21	MP2A	Mx	-.0128	.25
22	MP2A	X	-19.583	5.75
23	MP2A	Z	-33.919	5.75
24	MP2A	Mx	-.0128	5.75
25	MP2B	X	-20.698	.25
26	MP2B	Z	-35.849	.25
27	MP2B	Mx	.0308	.25
28	MP2B	X	-20.698	5.75
29	MP2B	Z	-35.849	5.75
30	MP2B	Mx	.0308	5.75
31	MP2C	X	-15.933	.25
32	MP2C	Z	-27.598	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	-.0194	.25
34	MP2C	X	-15.933	5.75
35	MP2C	Z	-27.598	5.75
36	MP2C	Mx	-.0194	5.75
37	MP2A	X	-19.583	.25
38	MP2A	Z	-33.919	.25
39	MP2A	Mx	.0324	.25
40	MP2A	X	-19.583	5.75
41	MP2A	Z	-33.919	5.75
42	MP2A	Mx	.0324	5.75
43	MP2B	X	-20.698	.25
44	MP2B	Z	-35.849	.25
45	MP2B	Mx	-.0236	.25
46	MP2B	X	-20.698	5.75
47	MP2B	Z	-35.849	5.75
48	MP2B	Mx	-.0236	5.75
49	MP2C	X	-15.933	.25
50	MP2C	Z	-27.598	.25
51	MP2C	Mx	-.012	.25
52	MP2C	X	-15.933	5.75
53	MP2C	Z	-27.598	5.75
54	MP2C	Mx	-.012	5.75
55	MP1A	X	-8.028	3.75
56	MP1A	Z	-13.905	3.75
57	MP1A	Mx	-.004	3.75
58	MP1B	X	-8.608	3.75
59	MP1B	Z	-14.91	3.75
60	MP1B	Mx	-.0015	3.75
61	MP1C	X	-6.129	3.75
62	MP1C	Z	-10.615	3.75
63	MP1C	Mx	.006	3.75
64	MP2A	X	-7.777	3.75
65	MP2A	Z	-13.471	3.75
66	MP2A	Mx	-.0039	3.75
67	MP2B	X	-8.578	3.75
68	MP2B	Z	-14.858	3.75
69	MP2B	Mx	-.0015	3.75
70	MP2C	X	-5.156	3.75
71	MP2C	Z	-8.931	3.75
72	MP2C	Mx	.0051	3.75
73	MP2C	X	-1.901	1
74	MP2C	Z	-3.292	1
75	MP2C	Mx	-.0016	1
76	MP2C	X	-1.901	1
77	MP2C	Z	-3.292	1
78	MP2C	Mx	.0016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	-5.456	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	-5.456	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	-3.978	2
9	MP4B	Mx	.0013	2
10	MP4B	X	0	4
11	MP4B	Z	-3.978	4
12	MP4B	Mx	.0013	4
13	MP4C	X	0	2
14	MP4C	Z	-2.298	2
15	MP4C	Mx	-.0011	2
16	MP4C	X	0	4
17	MP4C	Z	-2.298	4
18	MP4C	Mx	-.0011	4
19	MP2A	X	0	.25
20	MP2A	Z	-6.584	.25
21	MP2A	Mx	-.0044	.25
22	MP2A	X	0	5.75
23	MP2A	Z	-6.584	5.75
24	MP2A	Mx	-.0044	5.75
25	MP2B	X	0	.25
26	MP2B	Z	-5.899	.25
27	MP2B	Mx	.0049	.25
28	MP2B	X	0	5.75
29	MP2B	Z	-5.899	5.75
30	MP2B	Mx	.0049	5.75
31	MP2C	X	0	.25
32	MP2C	Z	-5.121	.25
33	MP2C	Mx	-.0012	.25
34	MP2C	X	0	5.75
35	MP2C	Z	-5.121	5.75
36	MP2C	Mx	-.0012	5.75
37	MP2A	X	0	.25
38	MP2A	Z	-6.584	.25
39	MP2A	Mx	.0044	.25
40	MP2A	X	0	5.75
41	MP2A	Z	-6.584	5.75
42	MP2A	Mx	.0044	5.75
43	MP2B	X	0	.25
44	MP2B	Z	-5.899	.25
45	MP2B	Mx	-.0011	.25
46	MP2B	X	0	5.75
47	MP2B	Z	-5.899	5.75
48	MP2B	Mx	-.0011	5.75
49	MP2C	X	0	.25
50	MP2C	Z	-5.121	.25
51	MP2C	Mx	-.0036	.25
52	MP2C	X	0	5.75
53	MP2C	Z	-5.121	5.75
54	MP2C	Mx	-.0036	5.75
55	MP1A	X	0	3.75
56	MP1A	Z	-4.315	3.75
57	MP1A	Mx	0	3.75
58	MP1B	X	0	3.75
59	MP1B	Z	-3.728	3.75
60	MP1B	Mx	-.0012	3.75
61	MP1C	X	0	3.75
62	MP1C	Z	-3.061	3.75
63	MP1C	Mx	.0014	3.75
64	MP2A	X	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	-4.315	3.75
66	MP2A	Mx	0	3.75
67	MP2B	X	0	3.75
68	MP2B	Z	-3.51	3.75
69	MP2B	Mx	-.0011	3.75
70	MP2C	X	0	3.75
71	MP2C	Z	-2.594	3.75
72	MP2C	Mx	.0012	3.75
73	MP2C	X	0	1
74	MP2C	Z	-1.028	1
75	MP2C	Mx	-.000403	1
76	MP2C	X	0	1
77	MP2C	Z	-1.028	1
78	MP2C	Mx	.000403	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.281	2
2	MP4A	Z	-3.951	2
3	MP4A	Mx	-.0011	2
4	MP4A	X	2.281	4
5	MP4A	Z	-3.951	4
6	MP4A	Mx	-.0011	4
7	MP4B	X	1.149	2
8	MP4B	Z	-1.99	2
9	MP4B	Mx	.0011	2
10	MP4B	X	1.149	4
11	MP4B	Z	-1.99	4
12	MP4B	Mx	.0011	4
13	MP4C	X	1.989	2
14	MP4C	Z	-3.445	2
15	MP4C	Mx	-.0013	2
16	MP4C	X	1.989	4
17	MP4C	Z	-3.445	4
18	MP4C	Mx	-.0013	4
19	MP2A	X	3.085	.25
20	MP2A	Z	-5.343	.25
21	MP2A	Mx	-.0051	.25
22	MP2A	X	3.085	5.75
23	MP2A	Z	-5.343	5.75
24	MP2A	Mx	-.0051	5.75
25	MP2B	X	2.561	.25
26	MP2B	Z	-4.435	.25
27	MP2B	Mx	.0036	.25
28	MP2B	X	2.561	5.75
29	MP2B	Z	-4.435	5.75
30	MP2B	Mx	.0036	5.75
31	MP2C	X	2.95	.25
32	MP2C	Z	-5.109	.25
33	MP2C	Mx	.0011	.25
34	MP2C	X	2.95	5.75
35	MP2C	Z	-5.109	5.75
36	MP2C	Mx	.0011	5.75
37	MP2A	X	3.085	.25
38	MP2A	Z	-5.343	.25
39	MP2A	Mx	.002	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	3.085	5.75
41	MP2A	Z	-5.343	5.75
42	MP2A	Mx	.002	5.75
43	MP2B	X	2.561	.25
44	MP2B	Z	-4.435	.25
45	MP2B	Mx	.0012	.25
46	MP2B	X	2.561	5.75
47	MP2B	Z	-4.435	5.75
48	MP2B	Mx	.0012	5.75
49	MP2C	X	2.95	.25
50	MP2C	Z	-5.109	.25
51	MP2C	Mx	-.0049	.25
52	MP2C	X	2.95	5.75
53	MP2C	Z	-5.109	5.75
54	MP2C	Mx	-.0049	5.75
55	MP1A	X	1.98	3.75
56	MP1A	Z	-3.429	3.75
57	MP1A	Mx	.00099	3.75
58	MP1B	X	1.531	3.75
59	MP1B	Z	-2.651	3.75
60	MP1B	Mx	-.0014	3.75
61	MP1C	X	1.864	3.75
62	MP1C	Z	-3.229	3.75
63	MP1C	Mx	.0012	3.75
64	MP2A	X	1.914	3.75
65	MP2A	Z	-3.315	3.75
66	MP2A	Mx	.000957	3.75
67	MP2B	X	1.297	3.75
68	MP2B	Z	-2.247	3.75
69	MP2B	Mx	-.0012	3.75
70	MP2C	X	1.755	3.75
71	MP2C	Z	-3.04	3.75
72	MP2C	Mx	.0011	3.75
73	MP2C	X	.952	1
74	MP2C	Z	-1.648	1
75	MP2C	Mx	-.00051	1
76	MP2C	X	.952	1
77	MP2C	Z	-1.648	1
78	MP2C	Mx	.00051	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.402	2
2	MP4A	Z	-1.387	2
3	MP4A	Mx	-.0012	2
4	MP4A	X	2.402	4
5	MP4A	Z	-1.387	4
6	MP4A	Mx	-.0012	4
7	MP4B	X	1.721	2
8	MP4B	Z	-.993	2
9	MP4B	Mx	.000978	2
10	MP4B	X	1.721	4
11	MP4B	Z	-.993	4
12	MP4B	Mx	.000978	4
13	MP4C	X	4.632	2
14	MP4C	Z	-2.674	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.000464	2
16	MP4C	X	4.632	4
17	MP4C	Z	-2.674	4
18	MP4C	Mx	-.000464	4
19	MP2A	X	4.626	.25
20	MP2A	Z	-2.671	.25
21	MP2A	Mx	-.0041	.25
22	MP2A	X	4.626	5.75
23	MP2A	Z	-2.671	5.75
24	MP2A	Mx	-.0041	5.75
25	MP2B	X	4.31	.25
26	MP2B	Z	-2.489	.25
27	MP2B	Mx	.0019	.25
28	MP2B	X	4.31	5.75
29	MP2B	Z	-2.489	5.75
30	MP2B	Mx	.0019	5.75
31	MP2C	X	5.658	.25
32	MP2C	Z	-3.267	.25
33	MP2C	Mx	.0037	.25
34	MP2C	X	5.658	5.75
35	MP2C	Z	-3.267	5.75
36	MP2C	Mx	.0037	5.75
37	MP2A	X	4.626	.25
38	MP2A	Z	-2.671	.25
39	MP2A	Mx	-.000532	.25
40	MP2A	X	4.626	5.75
41	MP2A	Z	-2.671	5.75
42	MP2A	Mx	-.000532	5.75
43	MP2B	X	4.31	.25
44	MP2B	Z	-2.489	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	4.31	5.75
47	MP2B	Z	-2.489	5.75
48	MP2B	Mx	.003	5.75
49	MP2C	X	5.658	.25
50	MP2C	Z	-3.267	.25
51	MP2C	Mx	-.0049	.25
52	MP2C	X	5.658	5.75
53	MP2C	Z	-3.267	5.75
54	MP2C	Mx	-.0049	5.75
55	MP1A	X	2.815	3.75
56	MP1A	Z	-1.625	3.75
57	MP1A	Mx	.0014	3.75
58	MP1B	X	2.544	3.75
59	MP1B	Z	-1.469	3.75
60	MP1B	Mx	-.0014	3.75
61	MP1C	X	3.7	3.75
62	MP1C	Z	-2.136	3.75
63	MP1C	Mx	.000371	3.75
64	MP2A	X	2.471	3.75
65	MP2A	Z	-1.427	3.75
66	MP2A	Mx	.0012	3.75
67	MP2B	X	2.1	3.75
68	MP2B	Z	-1.213	3.75
69	MP2B	Mx	-.0012	3.75
70	MP2C	X	3.686	3.75
71	MP2C	Z	-2.128	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.000369	3.75
73	MP2C	X	2.266	1
74	MP2C	Z	-1.308	1
75	MP2C	Mx	-.000189	1
76	MP2C	X	2.266	1
77	MP2C	Z	-1.308	1
78	MP2C	Mx	.000189	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.879	2
2	MP4A	Z	0	2
3	MP4A	Mx	-.00094	2
4	MP4A	X	1.879	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.00094	4
7	MP4B	X	3.357	2
8	MP4B	Z	0	2
9	MP4B	Mx	.0013	2
10	MP4B	X	3.357	4
11	MP4B	Z	0	4
12	MP4B	Mx	.0013	4
13	MP4C	X	5.038	2
14	MP4C	Z	0	2
15	MP4C	Mx	.000862	2
16	MP4C	X	5.038	4
17	MP4C	Z	0	4
18	MP4C	Mx	.000862	4
19	MP2A	X	4.927	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.0025	.25
22	MP2A	X	4.927	5.75
23	MP2A	Z	0	5.75
24	MP2A	Mx	-.0025	5.75
25	MP2B	X	5.612	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.000255	.25
28	MP2B	X	5.612	5.75
29	MP2B	Z	0	5.75
30	MP2B	Mx	-.000255	5.75
31	MP2C	X	6.39	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.0051	.25
34	MP2C	X	6.39	5.75
35	MP2C	Z	0	5.75
36	MP2C	Mx	.0051	5.75
37	MP2A	X	4.927	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.0025	.25
40	MP2A	X	4.927	5.75
41	MP2A	Z	0	5.75
42	MP2A	Mx	-.0025	5.75
43	MP2B	X	5.612	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.0046	.25
46	MP2B	X	5.612	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2B	Z	0	5.75
48	MP2B	Mx	.0046	5.75
49	MP2C	X	6.39	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.0029	.25
52	MP2C	X	6.39	5.75
53	MP2C	Z	0	5.75
54	MP2C	Mx	-.0029	5.75
55	MP1A	X	2.895	3.75
56	MP1A	Z	0	3.75
57	MP1A	Mx	.0014	3.75
58	MP1B	X	3.482	3.75
59	MP1B	Z	0	3.75
60	MP1B	Mx	-.0013	3.75
61	MP1C	X	4.149	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	-.00071	3.75
64	MP2A	X	2.366	3.75
65	MP2A	Z	0	3.75
66	MP2A	Mx	.0012	3.75
67	MP2B	X	3.171	3.75
68	MP2B	Z	0	3.75
69	MP2B	Mx	-.0012	3.75
70	MP2C	X	4.087	3.75
71	MP2C	Z	0	3.75
72	MP2C	Mx	-.000699	3.75
73	MP2C	X	2.455	1
74	MP2C	Z	0	1
75	MP2C	Mx	.00035	1
76	MP2C	X	2.455	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.00035	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.402	2
2	MP4A	Z	1.387	2
3	MP4A	Mx	-.0012	2
4	MP4A	X	2.402	4
5	MP4A	Z	1.387	4
6	MP4A	Mx	-.0012	4
7	MP4B	X	4.363	2
8	MP4B	Z	2.519	2
9	MP4B	Mx	.000862	2
10	MP4B	X	4.363	4
11	MP4B	Z	2.519	4
12	MP4B	Mx	.000862	4
13	MP4C	X	2.907	2
14	MP4C	Z	1.679	2
15	MP4C	Mx	.0013	2
16	MP4C	X	2.907	4
17	MP4C	Z	1.679	4
18	MP4C	Mx	.0013	4
19	MP2A	X	4.626	.25
20	MP2A	Z	2.671	.25
21	MP2A	Mx	-.000532	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	4.626	5.75
23	MP2A	Z	2.671	5.75
24	MP2A	Mx	-.000532	5.75
25	MP2B	X	5.534	.25
26	MP2B	Z	3.195	.25
27	MP2B	Mx	-.0029	.25
28	MP2B	X	5.534	5.75
29	MP2B	Z	3.195	5.75
30	MP2B	Mx	-.0029	5.75
31	MP2C	X	4.86	.25
32	MP2C	Z	2.806	.25
33	MP2C	Mx	.0046	.25
34	MP2C	X	4.86	5.75
35	MP2C	Z	2.806	5.75
36	MP2C	Mx	.0046	5.75
37	MP2A	X	4.626	.25
38	MP2A	Z	2.671	.25
39	MP2A	Mx	-.0041	.25
40	MP2A	X	4.626	5.75
41	MP2A	Z	2.671	5.75
42	MP2A	Mx	-.0041	5.75
43	MP2B	X	5.534	.25
44	MP2B	Z	3.195	.25
45	MP2B	Mx	.0051	.25
46	MP2B	X	5.534	5.75
47	MP2B	Z	3.195	5.75
48	MP2B	Mx	.0051	5.75
49	MP2C	X	4.86	.25
50	MP2C	Z	2.806	.25
51	MP2C	Mx	-.000255	.25
52	MP2C	X	4.86	5.75
53	MP2C	Z	2.806	5.75
54	MP2C	Mx	-.000255	5.75
55	MP1A	X	2.815	3.75
56	MP1A	Z	1.625	3.75
57	MP1A	Mx	.0014	3.75
58	MP1B	X	3.593	3.75
59	MP1B	Z	2.074	3.75
60	MP1B	Mx	-.00071	3.75
61	MP1C	X	3.015	3.75
62	MP1C	Z	1.741	3.75
63	MP1C	Mx	-.0013	3.75
64	MP2A	X	2.471	3.75
65	MP2A	Z	1.427	3.75
66	MP2A	Mx	.0012	3.75
67	MP2B	X	3.539	3.75
68	MP2B	Z	2.043	3.75
69	MP2B	Mx	-.000699	3.75
70	MP2C	X	2.747	3.75
71	MP2C	Z	1.586	3.75
72	MP2C	Mx	-.0012	3.75
73	MP2C	X	1.368	1
74	MP2C	Z	.79	1
75	MP2C	Mx	.000504	1
76	MP2C	X	1.368	1
77	MP2C	Z	.79	1
78	MP2C	Mx	-.000504	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.281	2
2	MP4A	Z	3.951	2
3	MP4A	Mx	-.0011	2
4	MP4A	X	2.281	4
5	MP4A	Z	3.951	4
6	MP4A	Mx	-.0011	4
7	MP4B	X	2.674	2
8	MP4B	Z	4.632	2
9	MP4B	Mx	-.000464	2
10	MP4B	X	2.674	4
11	MP4B	Z	4.632	4
12	MP4B	Mx	-.000464	4
13	MP4C	X	.993	2
14	MP4C	Z	1.721	2
15	MP4C	Mx	.000978	2
16	MP4C	X	.993	4
17	MP4C	Z	1.721	4
18	MP4C	Mx	.000978	4
19	MP2A	X	3.085	.25
20	MP2A	Z	5.343	.25
21	MP2A	Mx	.002	.25
22	MP2A	X	3.085	5.75
23	MP2A	Z	5.343	5.75
24	MP2A	Mx	.002	5.75
25	MP2B	X	3.267	.25
26	MP2B	Z	5.658	.25
27	MP2B	Mx	-.0049	.25
28	MP2B	X	3.267	5.75
29	MP2B	Z	5.658	5.75
30	MP2B	Mx	-.0049	5.75
31	MP2C	X	2.489	.25
32	MP2C	Z	4.31	.25
33	MP2C	Mx	.003	.25
34	MP2C	X	2.489	5.75
35	MP2C	Z	4.31	5.75
36	MP2C	Mx	.003	5.75
37	MP2A	X	3.085	.25
38	MP2A	Z	5.343	.25
39	MP2A	Mx	-.0051	.25
40	MP2A	X	3.085	5.75
41	MP2A	Z	5.343	5.75
42	MP2A	Mx	-.0051	5.75
43	MP2B	X	3.267	.25
44	MP2B	Z	5.658	.25
45	MP2B	Mx	.0037	.25
46	MP2B	X	3.267	5.75
47	MP2B	Z	5.658	5.75
48	MP2B	Mx	.0037	5.75
49	MP2C	X	2.489	.25
50	MP2C	Z	4.31	.25
51	MP2C	Mx	.0019	.25
52	MP2C	X	2.489	5.75
53	MP2C	Z	4.31	5.75
54	MP2C	Mx	.0019	5.75
55	MP1A	X	1.98	3.75
56	MP1A	Z	3.429	3.75
57	MP1A	Mx	.00099	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	X	2.136	3.75
59	MP1B	Z	3.7	3.75
60	MP1B	Mx	.000371	3.75
61	MP1C	X	1.469	3.75
62	MP1C	Z	2.544	3.75
63	MP1C	Mx	-.0014	3.75
64	MP2A	X	1.914	3.75
65	MP2A	Z	3.315	3.75
66	MP2A	Mx	.000957	3.75
67	MP2B	X	2.128	3.75
68	MP2B	Z	3.686	3.75
69	MP2B	Mx	.00037	3.75
70	MP2C	X	1.213	3.75
71	MP2C	Z	2.1	3.75
72	MP2C	Mx	-.0012	3.75
73	MP2C	X	.433	1
74	MP2C	Z	.751	1
75	MP2C	Mx	.000356	1
76	MP2C	X	.433	1
77	MP2C	Z	.751	1
78	MP2C	Mx	-.000356	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	5.456	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	5.456	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	3.978	2
9	MP4B	Mx	-.0013	2
10	MP4B	X	0	4
11	MP4B	Z	3.978	4
12	MP4B	Mx	-.0013	4
13	MP4C	X	0	2
14	MP4C	Z	2.298	2
15	MP4C	Mx	.0011	2
16	MP4C	X	0	4
17	MP4C	Z	2.298	4
18	MP4C	Mx	.0011	4
19	MP2A	X	0	.25
20	MP2A	Z	6.584	.25
21	MP2A	Mx	.0044	.25
22	MP2A	X	0	5.75
23	MP2A	Z	6.584	5.75
24	MP2A	Mx	.0044	5.75
25	MP2B	X	0	.25
26	MP2B	Z	5.899	.25
27	MP2B	Mx	-.0049	.25
28	MP2B	X	0	5.75
29	MP2B	Z	5.899	5.75
30	MP2B	Mx	-.0049	5.75
31	MP2C	X	0	.25
32	MP2C	Z	5.121	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.0012	.25
34	MP2C	X	0	5.75
35	MP2C	Z	5.121	5.75
36	MP2C	Mx	.0012	5.75
37	MP2A	X	0	.25
38	MP2A	Z	6.584	.25
39	MP2A	Mx	-.0044	.25
40	MP2A	X	0	5.75
41	MP2A	Z	6.584	5.75
42	MP2A	Mx	-.0044	5.75
43	MP2B	X	0	.25
44	MP2B	Z	5.899	.25
45	MP2B	Mx	.0011	.25
46	MP2B	X	0	5.75
47	MP2B	Z	5.899	5.75
48	MP2B	Mx	.0011	5.75
49	MP2C	X	0	.25
50	MP2C	Z	5.121	.25
51	MP2C	Mx	.0036	.25
52	MP2C	X	0	5.75
53	MP2C	Z	5.121	5.75
54	MP2C	Mx	.0036	5.75
55	MP1A	X	0	3.75
56	MP1A	Z	4.315	3.75
57	MP1A	Mx	0	3.75
58	MP1B	X	0	3.75
59	MP1B	Z	3.728	3.75
60	MP1B	Mx	.0012	3.75
61	MP1C	X	0	3.75
62	MP1C	Z	3.061	3.75
63	MP1C	Mx	-.0014	3.75
64	MP2A	X	0	3.75
65	MP2A	Z	4.315	3.75
66	MP2A	Mx	0	3.75
67	MP2B	X	0	3.75
68	MP2B	Z	3.51	3.75
69	MP2B	Mx	.0011	3.75
70	MP2C	X	0	3.75
71	MP2C	Z	2.594	3.75
72	MP2C	Mx	-.0012	3.75
73	MP2C	X	0	1
74	MP2C	Z	1.028	1
75	MP2C	Mx	.000403	1
76	MP2C	X	0	1
77	MP2C	Z	1.028	1
78	MP2C	Mx	-.000403	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.281	2
2	MP4A	Z	3.951	2
3	MP4A	Mx	.0011	2
4	MP4A	X	-2.281	4
5	MP4A	Z	3.951	4
6	MP4A	Mx	.0011	4
7	MP4B	X	-1.149	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	1.99	2
9	MP4B	Mx	-.0011	2
10	MP4B	X	-1.149	4
11	MP4B	Z	1.99	4
12	MP4B	Mx	-.0011	4
13	MP4C	X	-1.989	2
14	MP4C	Z	3.445	2
15	MP4C	Mx	.0013	2
16	MP4C	X	-1.989	4
17	MP4C	Z	3.445	4
18	MP4C	Mx	.0013	4
19	MP2A	X	-3.085	.25
20	MP2A	Z	5.343	.25
21	MP2A	Mx	.0051	.25
22	MP2A	X	-3.085	5.75
23	MP2A	Z	5.343	5.75
24	MP2A	Mx	.0051	5.75
25	MP2B	X	-2.561	.25
26	MP2B	Z	4.435	.25
27	MP2B	Mx	-.0036	.25
28	MP2B	X	-2.561	5.75
29	MP2B	Z	4.435	5.75
30	MP2B	Mx	-.0036	5.75
31	MP2C	X	-2.95	.25
32	MP2C	Z	5.109	.25
33	MP2C	Mx	-.0011	.25
34	MP2C	X	-2.95	5.75
35	MP2C	Z	5.109	5.75
36	MP2C	Mx	-.0011	5.75
37	MP2A	X	-3.085	.25
38	MP2A	Z	5.343	.25
39	MP2A	Mx	-.002	.25
40	MP2A	X	-3.085	5.75
41	MP2A	Z	5.343	5.75
42	MP2A	Mx	-.002	5.75
43	MP2B	X	-2.561	.25
44	MP2B	Z	4.435	.25
45	MP2B	Mx	-.0012	.25
46	MP2B	X	-2.561	5.75
47	MP2B	Z	4.435	5.75
48	MP2B	Mx	-.0012	5.75
49	MP2C	X	-2.95	.25
50	MP2C	Z	5.109	.25
51	MP2C	Mx	.0049	.25
52	MP2C	X	-2.95	5.75
53	MP2C	Z	5.109	5.75
54	MP2C	Mx	.0049	5.75
55	MP1A	X	-1.98	3.75
56	MP1A	Z	3.429	3.75
57	MP1A	Mx	-.00099	3.75
58	MP1B	X	-1.531	3.75
59	MP1B	Z	2.651	3.75
60	MP1B	Mx	.0014	3.75
61	MP1C	X	-1.864	3.75
62	MP1C	Z	3.229	3.75
63	MP1C	Mx	-.0012	3.75
64	MP2A	X	-1.914	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	3.315	3.75
66	MP2A	Mx	-.000957	3.75
67	MP2B	X	-1.297	3.75
68	MP2B	Z	2.247	3.75
69	MP2B	Mx	.0012	3.75
70	MP2C	X	-1.755	3.75
71	MP2C	Z	3.04	3.75
72	MP2C	Mx	-.0011	3.75
73	MP2C	X	-.952	1
74	MP2C	Z	1.648	1
75	MP2C	Mx	.00051	1
76	MP2C	X	-.952	1
77	MP2C	Z	1.648	1
78	MP2C	Mx	-.00051	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.402	2
2	MP4A	Z	1.387	2
3	MP4A	Mx	.0012	2
4	MP4A	X	-2.402	4
5	MP4A	Z	1.387	4
6	MP4A	Mx	.0012	4
7	MP4B	X	-1.721	2
8	MP4B	Z	.993	2
9	MP4B	Mx	-.000978	2
10	MP4B	X	-1.721	4
11	MP4B	Z	.993	4
12	MP4B	Mx	-.000978	4
13	MP4C	X	-4.632	2
14	MP4C	Z	2.674	2
15	MP4C	Mx	.000464	2
16	MP4C	X	-4.632	4
17	MP4C	Z	2.674	4
18	MP4C	Mx	.000464	4
19	MP2A	X	-4.626	.25
20	MP2A	Z	2.671	.25
21	MP2A	Mx	.0041	.25
22	MP2A	X	-4.626	5.75
23	MP2A	Z	2.671	5.75
24	MP2A	Mx	.0041	5.75
25	MP2B	X	-4.31	.25
26	MP2B	Z	2.489	.25
27	MP2B	Mx	-.0019	.25
28	MP2B	X	-4.31	5.75
29	MP2B	Z	2.489	5.75
30	MP2B	Mx	-.0019	5.75
31	MP2C	X	-5.658	.25
32	MP2C	Z	3.267	.25
33	MP2C	Mx	-.0037	.25
34	MP2C	X	-5.658	5.75
35	MP2C	Z	3.267	5.75
36	MP2C	Mx	-.0037	5.75
37	MP2A	X	-4.626	.25
38	MP2A	Z	2.671	.25
39	MP2A	Mx	.000532	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	X	-4.626	5.75
41	MP2A	Z	2.671	5.75
42	MP2A	Mx	.000532	5.75
43	MP2B	X	-4.31	.25
44	MP2B	Z	2.489	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	-4.31	5.75
47	MP2B	Z	2.489	5.75
48	MP2B	Mx	-.003	5.75
49	MP2C	X	-5.658	.25
50	MP2C	Z	3.267	.25
51	MP2C	Mx	.0049	.25
52	MP2C	X	-5.658	5.75
53	MP2C	Z	3.267	5.75
54	MP2C	Mx	.0049	5.75
55	MP1A	X	-2.815	3.75
56	MP1A	Z	1.625	3.75
57	MP1A	Mx	-.0014	3.75
58	MP1B	X	-2.544	3.75
59	MP1B	Z	1.469	3.75
60	MP1B	Mx	.0014	3.75
61	MP1C	X	-3.7	3.75
62	MP1C	Z	2.136	3.75
63	MP1C	Mx	-.000371	3.75
64	MP2A	X	-2.471	3.75
65	MP2A	Z	1.427	3.75
66	MP2A	Mx	-.0012	3.75
67	MP2B	X	-2.1	3.75
68	MP2B	Z	1.213	3.75
69	MP2B	Mx	.0012	3.75
70	MP2C	X	-3.686	3.75
71	MP2C	Z	2.128	3.75
72	MP2C	Mx	-.000369	3.75
73	MP2C	X	-2.266	1
74	MP2C	Z	1.308	1
75	MP2C	Mx	.000189	1
76	MP2C	X	-2.266	1
77	MP2C	Z	1.308	1
78	MP2C	Mx	-.000189	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.879	2
2	MP4A	Z	0	2
3	MP4A	Mx	.00094	2
4	MP4A	X	-1.879	4
5	MP4A	Z	0	4
6	MP4A	Mx	.00094	4
7	MP4B	X	-3.357	2
8	MP4B	Z	0	2
9	MP4B	Mx	-.0013	2
10	MP4B	X	-3.357	4
11	MP4B	Z	0	4
12	MP4B	Mx	-.0013	4
13	MP4C	X	-5.038	2
14	MP4C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.000862	2
16	MP4C	X	-5.038	4
17	MP4C	Z	0	4
18	MP4C	Mx	-.000862	4
19	MP2A	X	-4.927	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.0025	.25
22	MP2A	X	-4.927	5.75
23	MP2A	Z	0	5.75
24	MP2A	Mx	.0025	5.75
25	MP2B	X	-5.612	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.000255	.25
28	MP2B	X	-5.612	5.75
29	MP2B	Z	0	5.75
30	MP2B	Mx	.000255	5.75
31	MP2C	X	-6.39	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.0051	.25
34	MP2C	X	-6.39	5.75
35	MP2C	Z	0	5.75
36	MP2C	Mx	-.0051	5.75
37	MP2A	X	-4.927	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.0025	.25
40	MP2A	X	-4.927	5.75
41	MP2A	Z	0	5.75
42	MP2A	Mx	.0025	5.75
43	MP2B	X	-5.612	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.0046	.25
46	MP2B	X	-5.612	5.75
47	MP2B	Z	0	5.75
48	MP2B	Mx	-.0046	5.75
49	MP2C	X	-6.39	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.0029	.25
52	MP2C	X	-6.39	5.75
53	MP2C	Z	0	5.75
54	MP2C	Mx	.0029	5.75
55	MP1A	X	-2.895	3.75
56	MP1A	Z	0	3.75
57	MP1A	Mx	-.0014	3.75
58	MP1B	X	-3.482	3.75
59	MP1B	Z	0	3.75
60	MP1B	Mx	.0013	3.75
61	MP1C	X	-4.149	3.75
62	MP1C	Z	0	3.75
63	MP1C	Mx	.00071	3.75
64	MP2A	X	-2.366	3.75
65	MP2A	Z	0	3.75
66	MP2A	Mx	-.0012	3.75
67	MP2B	X	-3.171	3.75
68	MP2B	Z	0	3.75
69	MP2B	Mx	.0012	3.75
70	MP2C	X	-4.087	3.75
71	MP2C	Z	0	3.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2C	Mx	.000699	3.75
73	MP2C	X	-2.455	1
74	MP2C	Z	0	1
75	MP2C	Mx	-.00035	1
76	MP2C	X	-2.455	1
77	MP2C	Z	0	1
78	MP2C	Mx	.00035	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.402	2
2	MP4A	Z	-1.387	2
3	MP4A	Mx	.0012	2
4	MP4A	X	-2.402	4
5	MP4A	Z	-1.387	4
6	MP4A	Mx	.0012	4
7	MP4B	X	-4.363	2
8	MP4B	Z	-2.519	2
9	MP4B	Mx	-.000862	2
10	MP4B	X	-4.363	4
11	MP4B	Z	-2.519	4
12	MP4B	Mx	-.000862	4
13	MP4C	X	-2.907	2
14	MP4C	Z	-1.679	2
15	MP4C	Mx	-.0013	2
16	MP4C	X	-2.907	4
17	MP4C	Z	-1.679	4
18	MP4C	Mx	-.0013	4
19	MP2A	X	-4.626	.25
20	MP2A	Z	-2.671	.25
21	MP2A	Mx	.000532	.25
22	MP2A	X	-4.626	5.75
23	MP2A	Z	-2.671	5.75
24	MP2A	Mx	.000532	5.75
25	MP2B	X	-5.534	.25
26	MP2B	Z	-3.195	.25
27	MP2B	Mx	.0029	.25
28	MP2B	X	-5.534	5.75
29	MP2B	Z	-3.195	5.75
30	MP2B	Mx	.0029	5.75
31	MP2C	X	-4.86	.25
32	MP2C	Z	-2.806	.25
33	MP2C	Mx	-.0046	.25
34	MP2C	X	-4.86	5.75
35	MP2C	Z	-2.806	5.75
36	MP2C	Mx	-.0046	5.75
37	MP2A	X	-4.626	.25
38	MP2A	Z	-2.671	.25
39	MP2A	Mx	.0041	.25
40	MP2A	X	-4.626	5.75
41	MP2A	Z	-2.671	5.75
42	MP2A	Mx	.0041	5.75
43	MP2B	X	-5.534	.25
44	MP2B	Z	-3.195	.25
45	MP2B	Mx	-.0051	.25
46	MP2B	X	-5.534	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP2B	Z	-3.195	5.75
48	MP2B	Mx	-.0051	5.75
49	MP2C	X	-4.86	.25
50	MP2C	Z	-2.806	.25
51	MP2C	Mx	.000255	.25
52	MP2C	X	-4.86	5.75
53	MP2C	Z	-2.806	5.75
54	MP2C	Mx	.000255	5.75
55	MP1A	X	-2.815	3.75
56	MP1A	Z	-1.625	3.75
57	MP1A	Mx	-.0014	3.75
58	MP1B	X	-3.593	3.75
59	MP1B	Z	-2.074	3.75
60	MP1B	Mx	.00071	3.75
61	MP1C	X	-3.015	3.75
62	MP1C	Z	-1.741	3.75
63	MP1C	Mx	.0013	3.75
64	MP2A	X	-2.471	3.75
65	MP2A	Z	-1.427	3.75
66	MP2A	Mx	-.0012	3.75
67	MP2B	X	-3.539	3.75
68	MP2B	Z	-2.043	3.75
69	MP2B	Mx	.000699	3.75
70	MP2C	X	-2.747	3.75
71	MP2C	Z	-1.586	3.75
72	MP2C	Mx	.0012	3.75
73	MP2C	X	-1.368	1
74	MP2C	Z	-.79	1
75	MP2C	Mx	-.000504	1
76	MP2C	X	-1.368	1
77	MP2C	Z	-.79	1
78	MP2C	Mx	.000504	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.281	2
2	MP4A	Z	-3.951	2
3	MP4A	Mx	.0011	2
4	MP4A	X	-2.281	4
5	MP4A	Z	-3.951	4
6	MP4A	Mx	.0011	4
7	MP4B	X	-2.674	2
8	MP4B	Z	-4.632	2
9	MP4B	Mx	.000464	2
10	MP4B	X	-2.674	4
11	MP4B	Z	-4.632	4
12	MP4B	Mx	.000464	4
13	MP4C	X	-.993	2
14	MP4C	Z	-1.721	2
15	MP4C	Mx	-.000978	2
16	MP4C	X	-.993	4
17	MP4C	Z	-1.721	4
18	MP4C	Mx	-.000978	4
19	MP2A	X	-3.085	.25
20	MP2A	Z	-5.343	.25
21	MP2A	Mx	-.002	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-3.085	5.75
23	MP2A	Z	-5.343	5.75
24	MP2A	Mx	-.002	5.75
25	MP2B	X	-3.267	.25
26	MP2B	Z	-5.658	.25
27	MP2B	Mx	.0049	.25
28	MP2B	X	-3.267	5.75
29	MP2B	Z	-5.658	5.75
30	MP2B	Mx	.0049	5.75
31	MP2C	X	-2.489	.25
32	MP2C	Z	-4.31	.25
33	MP2C	Mx	-.003	.25
34	MP2C	X	-2.489	5.75
35	MP2C	Z	-4.31	5.75
36	MP2C	Mx	-.003	5.75
37	MP2A	X	-3.085	.25
38	MP2A	Z	-5.343	.25
39	MP2A	Mx	.0051	.25
40	MP2A	X	-3.085	5.75
41	MP2A	Z	-5.343	5.75
42	MP2A	Mx	.0051	5.75
43	MP2B	X	-3.267	.25
44	MP2B	Z	-5.658	.25
45	MP2B	Mx	-.0037	.25
46	MP2B	X	-3.267	5.75
47	MP2B	Z	-5.658	5.75
48	MP2B	Mx	-.0037	5.75
49	MP2C	X	-2.489	.25
50	MP2C	Z	-4.31	.25
51	MP2C	Mx	-.0019	.25
52	MP2C	X	-2.489	5.75
53	MP2C	Z	-4.31	5.75
54	MP2C	Mx	-.0019	5.75
55	MP1A	X	-1.98	3.75
56	MP1A	Z	-3.429	3.75
57	MP1A	Mx	-.00099	3.75
58	MP1B	X	-2.136	3.75
59	MP1B	Z	-3.7	3.75
60	MP1B	Mx	-.000371	3.75
61	MP1C	X	-1.469	3.75
62	MP1C	Z	-2.544	3.75
63	MP1C	Mx	.0014	3.75
64	MP2A	X	-1.914	3.75
65	MP2A	Z	-3.315	3.75
66	MP2A	Mx	-.000957	3.75
67	MP2B	X	-2.128	3.75
68	MP2B	Z	-3.686	3.75
69	MP2B	Mx	-.00037	3.75
70	MP2C	X	-1.213	3.75
71	MP2C	Z	-2.1	3.75
72	MP2C	Mx	.0012	3.75
73	MP2C	X	-.433	1
74	MP2C	Z	-.751	1
75	MP2C	Mx	-.000356	1
76	MP2C	X	-.433	1
77	MP2C	Z	-.751	1
78	MP2C	Mx	.000356	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M92A	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M98	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M198A	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M198A	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-1.951	2
2	MP4A	My	-.000976	2
3	MP4A	Mz	0	2
4	MP4A	Y	-1.951	4
5	MP4A	My	-.000976	4
6	MP4A	Mz	0	4
7	MP4B	Y	-1.951	2
8	MP4B	My	.000747	2
9	MP4B	Mz	-.000627	2
10	MP4B	Y	-1.951	4
11	MP4B	My	.000747	4
12	MP4B	Mz	-.000627	4
13	MP4C	Y	-1.951	2
14	MP4C	My	.000334	2
15	MP4C	Mz	.000917	2
16	MP4C	Y	-1.951	4
17	MP4C	My	.000334	4
18	MP4C	Mz	.000917	4
19	MP2A	Y	-1.0304	.25
20	MP2A	My	-.000515	.25
21	MP2A	Mz	.000687	.25
22	MP2A	Y	-1.0304	5.75
23	MP2A	My	-.000515	5.75
24	MP2A	Mz	.000687	5.75
25	MP2B	Y	-1.0304	.25
26	MP2B	My	-4.7e-5	.25
27	MP2B	Mz	-.000857	.25
28	MP2B	Y	-1.0304	5.75
29	MP2B	My	-4.7e-5	5.75
30	MP2B	Mz	-.000857	5.75
31	MP2C	Y	-1.0304	.25
32	MP2C	My	.000822	.25
33	MP2C	Mz	.000249	.25
34	MP2C	Y	-1.0304	5.75
35	MP2C	My	.000822	5.75
36	MP2C	Mz	.000249	5.75
37	MP2A	Y	-1.0304	.25
38	MP2A	My	-.000515	.25
39	MP2A	Mz	-.000687	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2A	Y	-1.0304	5.75
41	MP2A	My	-.000515	5.75
42	MP2A	Mz	-.000687	5.75
43	MP2B	Y	-1.0304	.25
44	MP2B	My	.000836	.25
45	MP2B	Mz	.000195	.25
46	MP2B	Y	-1.0304	5.75
47	MP2B	My	.000836	5.75
48	MP2B	Mz	.000195	5.75
49	MP2C	Y	-1.0304	.25
50	MP2C	My	-.000469	.25
51	MP2C	Mz	.000719	.25
52	MP2C	Y	-1.0304	5.75
53	MP2C	My	-.000469	5.75
54	MP2C	Mz	.000719	5.75
55	MP1A	Y	-3.7811	3.75
56	MP1A	My	.0019	3.75
57	MP1A	Mz	0	3.75
58	MP1B	Y	-3.7811	3.75
59	MP1B	My	-.0014	3.75
60	MP1B	Mz	.0012	3.75
61	MP1C	Y	-3.7811	3.75
62	MP1C	My	-.000647	3.75
63	MP1C	Mz	-.0018	3.75
64	MP2A	Y	-3.1494	3.75
65	MP2A	My	.0016	3.75
66	MP2A	Mz	0	3.75
67	MP2B	Y	-3.1494	3.75
68	MP2B	My	-.0012	3.75
69	MP2B	Mz	.001	3.75
70	MP2C	Y	-3.1494	3.75
71	MP2C	My	-.000539	3.75
72	MP2C	Mz	-.0015	3.75
73	MP2C	Y	-.7885	1
74	MP2C	My	.000112	1
75	MP2C	Mz	.000309	1
76	MP2C	Y	-.7885	1
77	MP2C	My	-.000112	1
78	MP2C	Mz	-.000309	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Z	-4.8776	2
2	MP4A	Mx	0	2
3	MP4A	Z	-4.8776	4
4	MP4A	Mx	0	4
5	MP4B	Z	-4.8776	2
6	MP4B	Mx	.0016	2
7	MP4B	Z	-4.8776	4
8	MP4B	Mx	.0016	4
9	MP4C	Z	-4.8776	2
10	MP4C	Mx	-.0023	2
11	MP4C	Z	-4.8776	4
12	MP4C	Mx	-.0023	4
13	MP2A	Z	-2.576	.25
14	MP2A	Mx	-.0017	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2A	Z	-2.576	5.75
16	MP2A	Mx	-.0017	5.75
17	MP2B	Z	-2.576	.25
18	MP2B	Mx	.0021	.25
19	MP2B	Z	-2.576	5.75
20	MP2B	Mx	.0021	5.75
21	MP2C	Z	-2.576	.25
22	MP2C	Mx	-.000623	.25
23	MP2C	Z	-2.576	5.75
24	MP2C	Mx	-.000623	5.75
25	MP2A	Z	-2.576	.25
26	MP2A	Mx	.0017	.25
27	MP2A	Z	-2.576	5.75
28	MP2A	Mx	.0017	5.75
29	MP2B	Z	-2.576	.25
30	MP2B	Mx	-.000488	.25
31	MP2B	Z	-2.576	5.75
32	MP2B	Mx	-.000488	5.75
33	MP2C	Z	-2.576	.25
34	MP2C	Mx	-.0018	.25
35	MP2C	Z	-2.576	5.75
36	MP2C	Mx	-.0018	5.75
37	MP1A	Z	-9.4528	3.75
38	MP1A	Mx	0	3.75
39	MP1B	Z	-9.4528	3.75
40	MP1B	Mx	-.003	3.75
41	MP1C	Z	-9.4528	3.75
42	MP1C	Mx	.0044	3.75
43	MP2A	Z	-7.8736	3.75
44	MP2A	Mx	0	3.75
45	MP2B	Z	-7.8736	3.75
46	MP2B	Mx	-.0025	3.75
47	MP2C	Z	-7.8736	3.75
48	MP2C	Mx	.0037	3.75
49	MP2C	Z	-1.9712	1
50	MP2C	Mx	-.000772	1
51	MP2C	Z	-1.9712	1
52	MP2C	Mx	.000772	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	4.8776	2
2	MP4A	Mx	-.0024	2
3	MP4A	X	4.8776	4
4	MP4A	Mx	-.0024	4
5	MP4B	X	4.8776	2
6	MP4B	Mx	.0019	2
7	MP4B	X	4.8776	4
8	MP4B	Mx	.0019	4
9	MP4C	X	4.8776	2
10	MP4C	Mx	.000834	2
11	MP4C	X	4.8776	4
12	MP4C	Mx	.000834	4
13	MP2A	X	2.576	.25
14	MP2A	Mx	-.0013	.25
15	MP2A	X	2.576	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2A	Mx	-.0013	5.75
17	MP2B	X	2.576	.25
18	MP2B	Mx	-.000117	.25
19	MP2B	X	2.576	5.75
20	MP2B	Mx	-.000117	5.75
21	MP2C	X	2.576	.25
22	MP2C	Mx	.0021	.25
23	MP2C	X	2.576	5.75
24	MP2C	Mx	.0021	5.75
25	MP2A	X	2.576	.25
26	MP2A	Mx	-.0013	.25
27	MP2A	X	2.576	5.75
28	MP2A	Mx	-.0013	5.75
29	MP2B	X	2.576	.25
30	MP2B	Mx	.0021	.25
31	MP2B	X	2.576	5.75
32	MP2B	Mx	.0021	5.75
33	MP2C	X	2.576	.25
34	MP2C	Mx	-.0012	.25
35	MP2C	X	2.576	5.75
36	MP2C	Mx	-.0012	5.75
37	MP1A	X	9.4528	3.75
38	MP1A	Mx	.0047	3.75
39	MP1B	X	9.4528	3.75
40	MP1B	Mx	-.0036	3.75
41	MP1C	X	9.4528	3.75
42	MP1C	Mx	-.0016	3.75
43	MP2A	X	7.8736	3.75
44	MP2A	Mx	.0039	3.75
45	MP2B	X	7.8736	3.75
46	MP2B	Mx	-.003	3.75
47	MP2C	X	7.8736	3.75
48	MP2C	Mx	-.0013	3.75
49	MP2C	X	1.9712	1
50	MP2C	Mx	.000281	1
51	MP2C	X	1.9712	1
52	MP2C	Mx	-.000281	1

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	Y	-9.8781	-9.8781	0	%100
2	M10	Y	-9.8781	-9.8781	0	%100
3	M43	Y	-9.8781	-9.8781	0	%100
4	M46	Y	-10.4038	-10.4038	0	%100
5	M51B	Y	-5.7928	-5.7928	0	%100
6	M52B	Y	-5.7928	-5.7928	0	%100
7	M76	Y	-10.3906	-10.3906	0	%100
8	M77	Y	-10.3906	-10.3906	0	%100
9	M80	Y	-10.4038	-10.4038	0	%100
10	M84	Y	-10.3906	-10.3906	0	%100
11	M85	Y	-10.3906	-10.3906	0	%100
12	M91	Y	-10.4038	-10.4038	0	%100
13	M150A	Y	-9.8781	-9.8781	0	%100
14	M151A	Y	-9.8781	-9.8781	0	%100
15	M152A	Y	-9.8781	-9.8781	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
16	M153A	Y	-10.4038	-10.4038	0	%100
17	M156A	Y	-5.7928	-5.7928	0	%100
18	M157A	Y	-5.7928	-5.7928	0	%100
19	M161A	Y	-10.3906	-10.3906	0	%100
20	M162A	Y	-10.3906	-10.3906	0	%100
21	M164A	Y	-10.4038	-10.4038	0	%100
22	M166A	Y	-10.3906	-10.3906	0	%100
23	M167A	Y	-10.3906	-10.3906	0	%100
24	M169A	Y	-10.4038	-10.4038	0	%100
25	M174A	Y	-9.8781	-9.8781	0	%100
26	M175A	Y	-9.8781	-9.8781	0	%100
27	M176A	Y	-9.8781	-9.8781	0	%100
28	M177A	Y	-10.4038	-10.4038	0	%100
29	M180A	Y	-5.7928	-5.7928	0	%100
30	M181A	Y	-5.7928	-5.7928	0	%100
31	M185A	Y	-10.3906	-10.3906	0	%100
32	M186A	Y	-10.3906	-10.3906	0	%100
33	M188A	Y	-10.4038	-10.4038	0	%100
34	M190A	Y	-10.3906	-10.3906	0	%100
35	M191A	Y	-10.3906	-10.3906	0	%100
36	M193A	Y	-10.4038	-10.4038	0	%100
37	M198A	Y	-6.7628	-6.7628	0	%100
38	M199A	Y	-6.7628	-6.7628	0	%100
39	M200A	Y	-6.7628	-6.7628	0	%100
40	M201A	Y	-5.1379	-5.1379	0	%100
41	M202A	Y	-5.1379	-5.1379	0	%100
42	M203A	Y	-5.1379	-5.1379	0	%100
43	M210A	Y	-6.8141	-6.8141	0	%100
44	M211A	Y	-6.8141	-6.8141	0	%100
45	M212A	Y	-6.8141	-6.8141	0	%100
46	MP1A	Y	-5.1379	-5.1379	0	%100
47	MP2A	Y	-5.1379	-5.1379	0	%100
48	MP3A	Y	-5.1379	-5.1379	0	%100
49	MP4A	Y	-5.1379	-5.1379	0	%100
50	MP1C	Y	-5.1379	-5.1379	0	%100
51	MP2C	Y	-5.1379	-5.1379	0	%100
52	MP3C	Y	-5.1379	-5.1379	0	%100
53	MP4C	Y	-5.1379	-5.1379	0	%100
54	MP1B	Y	-5.1379	-5.1379	0	%100
55	MP2B	Y	-5.1379	-5.1379	0	%100
56	MP3B	Y	-5.1379	-5.1379	0	%100
57	MP4B	Y	-5.1379	-5.1379	0	%100
58	M127	Y	-9.471	-9.471	0	%100
59	M126	Y	-9.471	-9.471	0	%100
60	M128	Y	-9.471	-9.471	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-14.5382	-14.5382	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-14.5382	-14.5382	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-28.9981	-28.9981	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
9	M51B	X	0	0	0	%100
10	M51B	Z	-4.0255	-4.0255	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-4.0255	-4.0255	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-7.3838	-7.3838	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-7.7772	-7.7772	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-7.3838	-7.3838	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-7.7772	-7.7772	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	-12.886	-12.886	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	-3.6346	-3.6346	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	-3.6346	-3.6346	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	-7.2495	-7.2495	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	-4.0255	-4.0255	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	-16.1021	-16.1021	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	-21.7486	-21.7486	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	-7.3838	-7.3838	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	-7.7772	-7.7772	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	-21.7486	-21.7486	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	-29.5351	-29.5351	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	-31.1087	-31.1087	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	-12.886	-12.886	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	-3.6346	-3.6346	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	-3.6346	-3.6346	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	-7.2495	-7.2495	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	-16.1021	-16.1021	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	-4.0255	-4.0255	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	-21.7486	-21.7486	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	-29.5351	-29.5351	0	%100
65	M188A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
66	M188A	Z	-31.1087	-31.1087	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	-21.7486	-21.7486	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	-7.3838	-7.3838	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	-7.7772	-7.7772	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	-15.2215	-15.2215	0	%100
75	M199A	X	0	0	0	%100
76	M199A	Z	-3.8054	-3.8054	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	-3.8054	-3.8054	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	-11.4784	-11.4784	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	-2.8696	-2.8696	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	-2.8696	-2.8696	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	-3.4465	-3.4465	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	-3.4465	-3.4465	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	-13.7861	-13.7861	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-11.4784	-11.4784	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-11.4784	-11.4784	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-11.4784	-11.4784	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-11.4784	-11.4784	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-11.4784	-11.4784	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-11.4784	-11.4784	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-11.4784	-11.4784	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-11.4784	-11.4784	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-11.4784	-11.4784	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-11.4784	-11.4784	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-11.4784	-11.4784	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-11.4784	-11.4784	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	-4.4808	-4.4808	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-15.3526	-15.3526	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-15.3526	-15.3526	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	2.1477	2.1477	0	%100
2	M4	Z	-3.7199	-3.7199	0	%100
3	M10	X	5.4518	5.4518	0	%100
4	M10	Z	-9.4429	-9.4429	0	%100
5	M43	X	5.4518	5.4518	0	%100
6	M43	Z	-9.4429	-9.4429	0	%100
7	M46	X	10.8743	10.8743	0	%100
8	M46	Z	-18.8348	-18.8348	0	%100
9	M51B	X	6.0383	6.0383	0	%100
10	M51B	Z	-10.4586	-10.4586	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	3.6248	3.6248	0	%100
14	M76	Z	-6.2783	-6.2783	0	%100
15	M77	X	11.0757	11.0757	0	%100
16	M77	Z	-19.1836	-19.1836	0	%100
17	M80	X	11.6658	11.6658	0	%100
18	M80	Z	-20.2057	-20.2057	0	%100
19	M84	X	3.6248	3.6248	0	%100
20	M84	Z	-6.2783	-6.2783	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	2.1477	2.1477	0	%100
26	M150A	Z	-3.7199	-3.7199	0	%100
27	M151A	X	5.4518	5.4518	0	%100
28	M151A	Z	-9.4429	-9.4429	0	%100
29	M152A	X	5.4518	5.4518	0	%100
30	M152A	Z	-9.4429	-9.4429	0	%100
31	M153A	X	10.8743	10.8743	0	%100
32	M153A	Z	-18.8348	-18.8348	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	6.0383	6.0383	0	%100
36	M157A	Z	-10.4586	-10.4586	0	%100
37	M161A	X	3.6248	3.6248	0	%100
38	M161A	Z	-6.2783	-6.2783	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	3.6248	3.6248	0	%100
44	M166A	Z	-6.2783	-6.2783	0	%100
45	M167A	X	11.0757	11.0757	0	%100
46	M167A	Z	-19.1836	-19.1836	0	%100
47	M169A	X	11.6658	11.6658	0	%100
48	M169A	Z	-20.2057	-20.2057	0	%100
49	M174A	X	8.5906	8.5906	0	%100
50	M174A	Z	-14.8794	-14.8794	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	6.0383	6.0383	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M180A	Z	-10.4586	-10.4586	0	%100
59	M181A	X	6.0383	6.0383	0	%100
60	M181A	Z	-10.4586	-10.4586	0	%100
61	M185A	X	14.4991	14.4991	0	%100
62	M185A	Z	-25.1131	-25.1131	0	%100
63	M186A	X	11.0757	11.0757	0	%100
64	M186A	Z	-19.1836	-19.1836	0	%100
65	M188A	X	11.6658	11.6658	0	%100
66	M188A	Z	-20.2057	-20.2057	0	%100
67	M190A	X	14.4991	14.4991	0	%100
68	M190A	Z	-25.1131	-25.1131	0	%100
69	M191A	X	11.0757	11.0757	0	%100
70	M191A	Z	-19.1836	-19.1836	0	%100
71	M193A	X	11.6658	11.6658	0	%100
72	M193A	Z	-20.2057	-20.2057	0	%100
73	M198A	X	5.7081	5.7081	0	%100
74	M198A	Z	-9.8867	-9.8867	0	%100
75	M199A	X	5.7081	5.7081	0	%100
76	M199A	Z	-9.8867	-9.8867	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	4.3044	4.3044	0	%100
80	M201A	Z	-7.4555	-7.4555	0	%100
81	M202A	X	4.3044	4.3044	0	%100
82	M202A	Z	-7.4555	-7.4555	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	5.1698	5.1698	0	%100
86	M210A	Z	-8.9544	-8.9544	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	5.1698	5.1698	0	%100
90	M212A	Z	-8.9544	-8.9544	0	%100
91	MP1A	X	5.7392	5.7392	0	%100
92	MP1A	Z	-9.9406	-9.9406	0	%100
93	MP2A	X	5.7392	5.7392	0	%100
94	MP2A	Z	-9.9406	-9.9406	0	%100
95	MP3A	X	5.7392	5.7392	0	%100
96	MP3A	Z	-9.9406	-9.9406	0	%100
97	MP4A	X	5.7392	5.7392	0	%100
98	MP4A	Z	-9.9406	-9.9406	0	%100
99	MP1C	X	5.7392	5.7392	0	%100
100	MP1C	Z	-9.9406	-9.9406	0	%100
101	MP2C	X	5.7392	5.7392	0	%100
102	MP2C	Z	-9.9406	-9.9406	0	%100
103	MP3C	X	5.7392	5.7392	0	%100
104	MP3C	Z	-9.9406	-9.9406	0	%100
105	MP4C	X	5.7392	5.7392	0	%100
106	MP4C	Z	-9.9406	-9.9406	0	%100
107	MP1B	X	5.7392	5.7392	0	%100
108	MP1B	Z	-9.9406	-9.9406	0	%100
109	MP2B	X	5.7392	5.7392	0	%100
110	MP2B	Z	-9.9406	-9.9406	0	%100
111	MP3B	X	5.7392	5.7392	0	%100
112	MP3B	Z	-9.9406	-9.9406	0	%100
113	MP4B	X	5.7392	5.7392	0	%100
114	MP4B	Z	-9.9406	-9.9406	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
115	M127	X	4.0524	4.0524	0	%100
116	M127	Z	-7.0189	-7.0189	0	%100
117	M126	X	4.0524	4.0524	0	%100
118	M126	Z	-7.0189	-7.0189	0	%100
119	M128	X	9.4883	9.4883	0	%100
120	M128	Z	-16.4342	-16.4342	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	11.1596	11.1596	0	%100
2	M4	Z	-6.443	-6.443	0	%100
3	M10	X	3.1476	3.1476	0	%100
4	M10	Z	-1.8173	-1.8173	0	%100
5	M43	X	3.1476	3.1476	0	%100
6	M43	Z	-1.8173	-1.8173	0	%100
7	M46	X	6.2783	6.2783	0	%100
8	M46	Z	-3.6248	-3.6248	0	%100
9	M51B	X	13.9449	13.9449	0	%100
10	M51B	Z	-8.0511	-8.0511	0	%100
11	M52B	X	3.4862	3.4862	0	%100
12	M52B	Z	-2.0128	-2.0128	0	%100
13	M76	X	18.8348	18.8348	0	%100
14	M76	Z	-10.8743	-10.8743	0	%100
15	M77	X	25.5782	25.5782	0	%100
16	M77	Z	-14.7676	-14.7676	0	%100
17	M80	X	26.9409	26.9409	0	%100
18	M80	Z	-15.5543	-15.5543	0	%100
19	M84	X	18.8348	18.8348	0	%100
20	M84	Z	-10.8743	-10.8743	0	%100
21	M85	X	6.3945	6.3945	0	%100
22	M85	Z	-3.6919	-3.6919	0	%100
23	M91	X	6.7352	6.7352	0	%100
24	M91	Z	-3.8886	-3.8886	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	12.5905	12.5905	0	%100
28	M151A	Z	-7.2691	-7.2691	0	%100
29	M152A	X	12.5905	12.5905	0	%100
30	M152A	Z	-7.2691	-7.2691	0	%100
31	M153A	X	25.1131	25.1131	0	%100
32	M153A	Z	-14.4991	-14.4991	0	%100
33	M156A	X	3.4862	3.4862	0	%100
34	M156A	Z	-2.0128	-2.0128	0	%100
35	M157A	X	3.4862	3.4862	0	%100
36	M157A	Z	-2.0128	-2.0128	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	0	0	0	%100
39	M162A	X	6.3945	6.3945	0	%100
40	M162A	Z	-3.6919	-3.6919	0	%100
41	M164A	X	6.7352	6.7352	0	%100
42	M164A	Z	-3.8886	-3.8886	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	6.3945	6.3945	0	%100
46	M167A	Z	-3.6919	-3.6919	0	%100
47	M169A	X	6.7352	6.7352	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
48	M169A	Z	-3.8886	-3.8886	0	%100
49	M174A	X	11.1596	11.1596	0	%100
50	M174A	Z	-6.443	-6.443	0	%100
51	M175A	X	3.1476	3.1476	0	%100
52	M175A	Z	-1.8173	-1.8173	0	%100
53	M176A	X	3.1476	3.1476	0	%100
54	M176A	Z	-1.8173	-1.8173	0	%100
55	M177A	X	6.2783	6.2783	0	%100
56	M177A	Z	-3.6248	-3.6248	0	%100
57	M180A	X	3.4862	3.4862	0	%100
58	M180A	Z	-2.0128	-2.0128	0	%100
59	M181A	X	13.9449	13.9449	0	%100
60	M181A	Z	-8.0511	-8.0511	0	%100
61	M185A	X	18.8348	18.8348	0	%100
62	M185A	Z	-10.8743	-10.8743	0	%100
63	M186A	X	6.3945	6.3945	0	%100
64	M186A	Z	-3.6919	-3.6919	0	%100
65	M188A	X	6.7352	6.7352	0	%100
66	M188A	Z	-3.8886	-3.8886	0	%100
67	M190A	X	18.8348	18.8348	0	%100
68	M190A	Z	-10.8743	-10.8743	0	%100
69	M191A	X	25.5782	25.5782	0	%100
70	M191A	Z	-14.7676	-14.7676	0	%100
71	M193A	X	26.9409	26.9409	0	%100
72	M193A	Z	-15.5543	-15.5543	0	%100
73	M198A	X	3.2956	3.2956	0	%100
74	M198A	Z	-1.9027	-1.9027	0	%100
75	M199A	X	13.1822	13.1822	0	%100
76	M199A	Z	-7.6108	-7.6108	0	%100
77	M200A	X	3.2956	3.2956	0	%100
78	M200A	Z	-1.9027	-1.9027	0	%100
79	M201A	X	2.4852	2.4852	0	%100
80	M201A	Z	-1.4348	-1.4348	0	%100
81	M202A	X	9.9406	9.9406	0	%100
82	M202A	Z	-5.7392	-5.7392	0	%100
83	M203A	X	2.4852	2.4852	0	%100
84	M203A	Z	-1.4348	-1.4348	0	%100
85	M210A	X	11.9392	11.9392	0	%100
86	M210A	Z	-6.8931	-6.8931	0	%100
87	M211A	X	2.9848	2.9848	0	%100
88	M211A	Z	-1.7233	-1.7233	0	%100
89	M212A	X	2.9848	2.9848	0	%100
90	M212A	Z	-1.7233	-1.7233	0	%100
91	MP1A	X	9.9406	9.9406	0	%100
92	MP1A	Z	-5.7392	-5.7392	0	%100
93	MP2A	X	9.9406	9.9406	0	%100
94	MP2A	Z	-5.7392	-5.7392	0	%100
95	MP3A	X	9.9406	9.9406	0	%100
96	MP3A	Z	-5.7392	-5.7392	0	%100
97	MP4A	X	9.9406	9.9406	0	%100
98	MP4A	Z	-5.7392	-5.7392	0	%100
99	MP1C	X	9.9406	9.9406	0	%100
100	MP1C	Z	-5.7392	-5.7392	0	%100
101	MP2C	X	9.9406	9.9406	0	%100
102	MP2C	Z	-5.7392	-5.7392	0	%100
103	MP3C	X	9.9406	9.9406	0	%100
104	MP3C	Z	-5.7392	-5.7392	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
105	MP4C	X	9.9406	9.9406	0	%100
106	MP4C	Z	-5.7392	-5.7392	0	%100
107	MP1B	X	9.9406	9.9406	0	%100
108	MP1B	Z	-5.7392	-5.7392	0	%100
109	MP2B	X	9.9406	9.9406	0	%100
110	MP2B	Z	-5.7392	-5.7392	0	%100
111	MP3B	X	9.9406	9.9406	0	%100
112	MP3B	Z	-5.7392	-5.7392	0	%100
113	MP4B	X	9.9406	9.9406	0	%100
114	MP4B	Z	-5.7392	-5.7392	0	%100
115	M127	X	13.2957	13.2957	0	%100
116	M127	Z	-7.6763	-7.6763	0	%100
117	M126	X	3.8805	3.8805	0	%100
118	M126	Z	-2.2404	-2.2404	0	%100
119	M128	X	13.2957	13.2957	0	%100
120	M128	Z	-7.6763	-7.6763	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	17.1813	17.1813	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	12.0766	12.0766	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	12.0766	12.0766	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	28.9981	28.9981	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	22.1514	22.1514	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	23.3315	23.3315	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	28.9981	28.9981	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	22.1514	22.1514	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	23.3315	23.3315	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	4.2953	4.2953	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	10.9037	10.9037	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	10.9037	10.9037	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	21.7486	21.7486	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	12.0766	12.0766	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	0	0	0	%100
37	M161A	X	7.2495	7.2495	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
38	M161A	Z	0	0	0	%100
39	M162A	X	22.1514	22.1514	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	23.3315	23.3315	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	7.2495	7.2495	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	0	0	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	0	0	0	%100
49	M174A	X	4.2953	4.2953	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	10.9037	10.9037	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	10.9037	10.9037	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	21.7486	21.7486	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	0	0	0	%100
59	M181A	X	12.0766	12.0766	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	7.2495	7.2495	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	0	0	0	%100
65	M188A	X	0	0	0	%100
66	M188A	Z	0	0	0	%100
67	M190A	X	7.2495	7.2495	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	22.1514	22.1514	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	23.3315	23.3315	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	0	0	0	%100
75	M199A	X	11.4161	11.4161	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	11.4161	11.4161	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	0	0	0	%100
81	M202A	X	8.6088	8.6088	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	8.6088	8.6088	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	10.3396	10.3396	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	10.3396	10.3396	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	0	0	0	%100
91	MP1A	X	11.4784	11.4784	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	11.4784	11.4784	0	%100
94	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
95	MP3A	X	11.4784	11.4784	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	11.4784	11.4784	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	11.4784	11.4784	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	11.4784	11.4784	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	11.4784	11.4784	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	11.4784	11.4784	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	11.4784	11.4784	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	11.4784	11.4784	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	11.4784	11.4784	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	11.4784	11.4784	0	%100
114	MP4B	Z	0	0	0	%100
115	M127	X	18.9765	18.9765	0	%100
116	M127	Z	0	0	0	%100
117	M126	X	8.1047	8.1047	0	%100
118	M126	Z	0	0	0	%100
119	M128	X	8.1047	8.1047	0	%100
120	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	11.1596	11.1596	0	%100
2	M4	Z	6.443	6.443	0	%100
3	M10	X	3.1476	3.1476	0	%100
4	M10	Z	1.8173	1.8173	0	%100
5	M43	X	3.1476	3.1476	0	%100
6	M43	Z	1.8173	1.8173	0	%100
7	M46	X	6.2783	6.2783	0	%100
8	M46	Z	3.6248	3.6248	0	%100
9	M51B	X	3.4862	3.4862	0	%100
10	M51B	Z	2.0128	2.0128	0	%100
11	M52B	X	13.9449	13.9449	0	%100
12	M52B	Z	8.0511	8.0511	0	%100
13	M76	X	18.8348	18.8348	0	%100
14	M76	Z	10.8743	10.8743	0	%100
15	M77	X	6.3945	6.3945	0	%100
16	M77	Z	3.6919	3.6919	0	%100
17	M80	X	6.7352	6.7352	0	%100
18	M80	Z	3.8886	3.8886	0	%100
19	M84	X	18.8348	18.8348	0	%100
20	M84	Z	10.8743	10.8743	0	%100
21	M85	X	25.5782	25.5782	0	%100
22	M85	Z	14.7676	14.7676	0	%100
23	M91	X	26.9409	26.9409	0	%100
24	M91	Z	15.5543	15.5543	0	%100
25	M150A	X	11.1596	11.1596	0	%100
26	M150A	Z	6.443	6.443	0	%100
27	M151A	X	3.1476	3.1476	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
28	M151A	Z	1.8173	1.8173	0	%100
29	M152A	X	3.1476	3.1476	0	%100
30	M152A	Z	1.8173	1.8173	0	%100
31	M153A	X	6.2783	6.2783	0	%100
32	M153A	Z	3.6248	3.6248	0	%100
33	M156A	X	13.9449	13.9449	0	%100
34	M156A	Z	8.0511	8.0511	0	%100
35	M157A	X	3.4862	3.4862	0	%100
36	M157A	Z	2.0128	2.0128	0	%100
37	M161A	X	18.8348	18.8348	0	%100
38	M161A	Z	10.8743	10.8743	0	%100
39	M162A	X	25.5782	25.5782	0	%100
40	M162A	Z	14.7676	14.7676	0	%100
41	M164A	X	26.9409	26.9409	0	%100
42	M164A	Z	15.5543	15.5543	0	%100
43	M166A	X	18.8348	18.8348	0	%100
44	M166A	Z	10.8743	10.8743	0	%100
45	M167A	X	6.3945	6.3945	0	%100
46	M167A	Z	3.6919	3.6919	0	%100
47	M169A	X	6.7352	6.7352	0	%100
48	M169A	Z	3.8886	3.8886	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	12.5905	12.5905	0	%100
52	M175A	Z	7.2691	7.2691	0	%100
53	M176A	X	12.5905	12.5905	0	%100
54	M176A	Z	7.2691	7.2691	0	%100
55	M177A	X	25.1131	25.1131	0	%100
56	M177A	Z	14.4991	14.4991	0	%100
57	M180A	X	3.4862	3.4862	0	%100
58	M180A	Z	2.0128	2.0128	0	%100
59	M181A	X	3.4862	3.4862	0	%100
60	M181A	Z	2.0128	2.0128	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	6.3945	6.3945	0	%100
64	M186A	Z	3.6919	3.6919	0	%100
65	M188A	X	6.7352	6.7352	0	%100
66	M188A	Z	3.8886	3.8886	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	6.3945	6.3945	0	%100
70	M191A	Z	3.6919	3.6919	0	%100
71	M193A	X	6.7352	6.7352	0	%100
72	M193A	Z	3.8886	3.8886	0	%100
73	M198A	X	3.2956	3.2956	0	%100
74	M198A	Z	1.9027	1.9027	0	%100
75	M199A	X	3.2956	3.2956	0	%100
76	M199A	Z	1.9027	1.9027	0	%100
77	M200A	X	13.1822	13.1822	0	%100
78	M200A	Z	7.6108	7.6108	0	%100
79	M201A	X	2.4852	2.4852	0	%100
80	M201A	Z	1.4348	1.4348	0	%100
81	M202A	X	2.4852	2.4852	0	%100
82	M202A	Z	1.4348	1.4348	0	%100
83	M203A	X	9.9406	9.9406	0	%100
84	M203A	Z	5.7392	5.7392	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
85	M210A	X	2.9848	2.9848	0	%100
86	M210A	Z	1.7233	1.7233	0	%100
87	M211A	X	11.9392	11.9392	0	%100
88	M211A	Z	6.8931	6.8931	0	%100
89	M212A	X	2.9848	2.9848	0	%100
90	M212A	Z	1.7233	1.7233	0	%100
91	MP1A	X	9.9406	9.9406	0	%100
92	MP1A	Z	5.7392	5.7392	0	%100
93	MP2A	X	9.9406	9.9406	0	%100
94	MP2A	Z	5.7392	5.7392	0	%100
95	MP3A	X	9.9406	9.9406	0	%100
96	MP3A	Z	5.7392	5.7392	0	%100
97	MP4A	X	9.9406	9.9406	0	%100
98	MP4A	Z	5.7392	5.7392	0	%100
99	MP1C	X	9.9406	9.9406	0	%100
100	MP1C	Z	5.7392	5.7392	0	%100
101	MP2C	X	9.9406	9.9406	0	%100
102	MP2C	Z	5.7392	5.7392	0	%100
103	MP3C	X	9.9406	9.9406	0	%100
104	MP3C	Z	5.7392	5.7392	0	%100
105	MP4C	X	9.9406	9.9406	0	%100
106	MP4C	Z	5.7392	5.7392	0	%100
107	MP1B	X	9.9406	9.9406	0	%100
108	MP1B	Z	5.7392	5.7392	0	%100
109	MP2B	X	9.9406	9.9406	0	%100
110	MP2B	Z	5.7392	5.7392	0	%100
111	MP3B	X	9.9406	9.9406	0	%100
112	MP3B	Z	5.7392	5.7392	0	%100
113	MP4B	X	9.9406	9.9406	0	%100
114	MP4B	Z	5.7392	5.7392	0	%100
115	M127	X	13.2957	13.2957	0	%100
116	M127	Z	7.6763	7.6763	0	%100
117	M126	X	13.2957	13.2957	0	%100
118	M126	Z	7.6763	7.6763	0	%100
119	M128	X	3.8805	3.8805	0	%100
120	M128	Z	2.2404	2.2404	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M4	X	2.1477	2.1477	0	%100
2	M4	Z	3.7199	3.7199	0	%100
3	M10	X	5.4518	5.4518	0	%100
4	M10	Z	9.4429	9.4429	0	%100
5	M43	X	5.4518	5.4518	0	%100
6	M43	Z	9.4429	9.4429	0	%100
7	M46	X	10.8743	10.8743	0	%100
8	M46	Z	18.8348	18.8348	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	6.0383	6.0383	0	%100
12	M52B	Z	10.4586	10.4586	0	%100
13	M76	X	3.6248	3.6248	0	%100
14	M76	Z	6.2783	6.2783	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
18	M80	Z	0	0	0	%100
19	M84	X	3.6248	3.6248	0	%100
20	M84	Z	6.2783	6.2783	0	%100
21	M85	X	11.0757	11.0757	0	%100
22	M85	Z	19.1836	19.1836	0	%100
23	M91	X	11.6658	11.6658	0	%100
24	M91	Z	20.2057	20.2057	0	%100
25	M150A	X	8.5906	8.5906	0	%100
26	M150A	Z	14.8794	14.8794	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	6.0383	6.0383	0	%100
34	M156A	Z	10.4586	10.4586	0	%100
35	M157A	X	6.0383	6.0383	0	%100
36	M157A	Z	10.4586	10.4586	0	%100
37	M161A	X	14.4991	14.4991	0	%100
38	M161A	Z	25.1131	25.1131	0	%100
39	M162A	X	11.0757	11.0757	0	%100
40	M162A	Z	19.1836	19.1836	0	%100
41	M164A	X	11.6658	11.6658	0	%100
42	M164A	Z	20.2057	20.2057	0	%100
43	M166A	X	14.4991	14.4991	0	%100
44	M166A	Z	25.1131	25.1131	0	%100
45	M167A	X	11.0757	11.0757	0	%100
46	M167A	Z	19.1836	19.1836	0	%100
47	M169A	X	11.6658	11.6658	0	%100
48	M169A	Z	20.2057	20.2057	0	%100
49	M174A	X	2.1477	2.1477	0	%100
50	M174A	Z	3.7199	3.7199	0	%100
51	M175A	X	5.4518	5.4518	0	%100
52	M175A	Z	9.4429	9.4429	0	%100
53	M176A	X	5.4518	5.4518	0	%100
54	M176A	Z	9.4429	9.4429	0	%100
55	M177A	X	10.8743	10.8743	0	%100
56	M177A	Z	18.8348	18.8348	0	%100
57	M180A	X	6.0383	6.0383	0	%100
58	M180A	Z	10.4586	10.4586	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	3.6248	3.6248	0	%100
62	M185A	Z	6.2783	6.2783	0	%100
63	M186A	X	11.0757	11.0757	0	%100
64	M186A	Z	19.1836	19.1836	0	%100
65	M188A	X	11.6658	11.6658	0	%100
66	M188A	Z	20.2057	20.2057	0	%100
67	M190A	X	3.6248	3.6248	0	%100
68	M190A	Z	6.2783	6.2783	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	5.7081	5.7081	0	%100
74	M198A	Z	9.8867	9.8867	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
75	M199A	X	0	0	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	5.7081	5.7081	0	%100
78	M200A	Z	9.8867	9.8867	0	%100
79	M201A	X	4.3044	4.3044	0	%100
80	M201A	Z	7.4555	7.4555	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	4.3044	4.3044	0	%100
84	M203A	Z	7.4555	7.4555	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	5.1698	5.1698	0	%100
88	M211A	Z	8.9544	8.9544	0	%100
89	M212A	X	5.1698	5.1698	0	%100
90	M212A	Z	8.9544	8.9544	0	%100
91	MP1A	X	5.7392	5.7392	0	%100
92	MP1A	Z	9.9406	9.9406	0	%100
93	MP2A	X	5.7392	5.7392	0	%100
94	MP2A	Z	9.9406	9.9406	0	%100
95	MP3A	X	5.7392	5.7392	0	%100
96	MP3A	Z	9.9406	9.9406	0	%100
97	MP4A	X	5.7392	5.7392	0	%100
98	MP4A	Z	9.9406	9.9406	0	%100
99	MP1C	X	5.7392	5.7392	0	%100
100	MP1C	Z	9.9406	9.9406	0	%100
101	MP2C	X	5.7392	5.7392	0	%100
102	MP2C	Z	9.9406	9.9406	0	%100
103	MP3C	X	5.7392	5.7392	0	%100
104	MP3C	Z	9.9406	9.9406	0	%100
105	MP4C	X	5.7392	5.7392	0	%100
106	MP4C	Z	9.9406	9.9406	0	%100
107	MP1B	X	5.7392	5.7392	0	%100
108	MP1B	Z	9.9406	9.9406	0	%100
109	MP2B	X	5.7392	5.7392	0	%100
110	MP2B	Z	9.9406	9.9406	0	%100
111	MP3B	X	5.7392	5.7392	0	%100
112	MP3B	Z	9.9406	9.9406	0	%100
113	MP4B	X	5.7392	5.7392	0	%100
114	MP4B	Z	9.9406	9.9406	0	%100
115	M127	X	4.0524	4.0524	0	%100
116	M127	Z	7.0189	7.0189	0	%100
117	M126	X	9.4883	9.4883	0	%100
118	M126	Z	16.4342	16.4342	0	%100
119	M128	X	4.0524	4.0524	0	%100
120	M128	Z	7.0189	7.0189	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	14.5382	14.5382	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	14.5382	14.5382	0	%100
7	M46	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
8	M46	Z	28.9981	28.9981	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	4.0255	4.0255	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	4.0255	4.0255	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	7.3838	7.3838	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	7.7772	7.7772	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	7.3838	7.3838	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	7.7772	7.7772	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	12.886	12.886	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	3.6346	3.6346	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	3.6346	3.6346	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	7.2495	7.2495	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	4.0255	4.0255	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	16.1021	16.1021	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	21.7486	21.7486	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	7.3838	7.3838	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	7.7772	7.7772	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	21.7486	21.7486	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	29.5351	29.5351	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	31.1087	31.1087	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	12.886	12.886	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	3.6346	3.6346	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	3.6346	3.6346	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	7.2495	7.2495	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	16.1021	16.1021	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	4.0255	4.0255	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	21.7486	21.7486	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	29.5351	29.5351	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
65	M188A	X	0	0	0	%100
66	M188A	Z	31.1087	31.1087	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	21.7486	21.7486	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	7.3838	7.3838	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	7.7772	7.7772	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	15.2215	15.2215	0	%100
75	M199A	X	0	0	0	%100
76	M199A	Z	3.8054	3.8054	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	3.8054	3.8054	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	11.4784	11.4784	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	2.8696	2.8696	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	2.8696	2.8696	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	3.4465	3.4465	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	3.4465	3.4465	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	13.7861	13.7861	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	11.4784	11.4784	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	11.4784	11.4784	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	11.4784	11.4784	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	11.4784	11.4784	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	11.4784	11.4784	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	11.4784	11.4784	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	11.4784	11.4784	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	11.4784	11.4784	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	11.4784	11.4784	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	11.4784	11.4784	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	11.4784	11.4784	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	11.4784	11.4784	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	4.4808	4.4808	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	15.3526	15.3526	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	15.3526	15.3526	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	-2.1477	-2.1477	0	%100
2	M4	Z	3.7199	3.7199	0	%100
3	M10	X	-5.4518	-5.4518	0	%100
4	M10	Z	9.4429	9.4429	0	%100
5	M43	X	-5.4518	-5.4518	0	%100
6	M43	Z	9.4429	9.4429	0	%100
7	M46	X	-10.8743	-10.8743	0	%100
8	M46	Z	18.8348	18.8348	0	%100
9	M51B	X	-6.0383	-6.0383	0	%100
10	M51B	Z	10.4586	10.4586	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-3.6248	-3.6248	0	%100
14	M76	Z	6.2783	6.2783	0	%100
15	M77	X	-11.0757	-11.0757	0	%100
16	M77	Z	19.1836	19.1836	0	%100
17	M80	X	-11.6658	-11.6658	0	%100
18	M80	Z	20.2057	20.2057	0	%100
19	M84	X	-3.6248	-3.6248	0	%100
20	M84	Z	6.2783	6.2783	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	-2.1477	-2.1477	0	%100
26	M150A	Z	3.7199	3.7199	0	%100
27	M151A	X	-5.4518	-5.4518	0	%100
28	M151A	Z	9.4429	9.4429	0	%100
29	M152A	X	-5.4518	-5.4518	0	%100
30	M152A	Z	9.4429	9.4429	0	%100
31	M153A	X	-10.8743	-10.8743	0	%100
32	M153A	Z	18.8348	18.8348	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	-6.0383	-6.0383	0	%100
36	M157A	Z	10.4586	10.4586	0	%100
37	M161A	X	-3.6248	-3.6248	0	%100
38	M161A	Z	6.2783	6.2783	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	-3.6248	-3.6248	0	%100
44	M166A	Z	6.2783	6.2783	0	%100
45	M167A	X	-11.0757	-11.0757	0	%100
46	M167A	Z	19.1836	19.1836	0	%100
47	M169A	X	-11.6658	-11.6658	0	%100
48	M169A	Z	20.2057	20.2057	0	%100
49	M174A	X	-8.5906	-8.5906	0	%100
50	M174A	Z	14.8794	14.8794	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	-6.0383	-6.0383	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M180A	Z	10.4586	10.4586	0	%100
59	M181A	X	-6.0383	-6.0383	0	%100
60	M181A	Z	10.4586	10.4586	0	%100
61	M185A	X	-14.4991	-14.4991	0	%100
62	M185A	Z	25.1131	25.1131	0	%100
63	M186A	X	-11.0757	-11.0757	0	%100
64	M186A	Z	19.1836	19.1836	0	%100
65	M188A	X	-11.6658	-11.6658	0	%100
66	M188A	Z	20.2057	20.2057	0	%100
67	M190A	X	-14.4991	-14.4991	0	%100
68	M190A	Z	25.1131	25.1131	0	%100
69	M191A	X	-11.0757	-11.0757	0	%100
70	M191A	Z	19.1836	19.1836	0	%100
71	M193A	X	-11.6658	-11.6658	0	%100
72	M193A	Z	20.2057	20.2057	0	%100
73	M198A	X	-5.7081	-5.7081	0	%100
74	M198A	Z	9.8867	9.8867	0	%100
75	M199A	X	-5.7081	-5.7081	0	%100
76	M199A	Z	9.8867	9.8867	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	-4.3044	-4.3044	0	%100
80	M201A	Z	7.4555	7.4555	0	%100
81	M202A	X	-4.3044	-4.3044	0	%100
82	M202A	Z	7.4555	7.4555	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	-5.1698	-5.1698	0	%100
86	M210A	Z	8.9544	8.9544	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	-5.1698	-5.1698	0	%100
90	M212A	Z	8.9544	8.9544	0	%100
91	MP1A	X	-5.7392	-5.7392	0	%100
92	MP1A	Z	9.9406	9.9406	0	%100
93	MP2A	X	-5.7392	-5.7392	0	%100
94	MP2A	Z	9.9406	9.9406	0	%100
95	MP3A	X	-5.7392	-5.7392	0	%100
96	MP3A	Z	9.9406	9.9406	0	%100
97	MP4A	X	-5.7392	-5.7392	0	%100
98	MP4A	Z	9.9406	9.9406	0	%100
99	MP1C	X	-5.7392	-5.7392	0	%100
100	MP1C	Z	9.9406	9.9406	0	%100
101	MP2C	X	-5.7392	-5.7392	0	%100
102	MP2C	Z	9.9406	9.9406	0	%100
103	MP3C	X	-5.7392	-5.7392	0	%100
104	MP3C	Z	9.9406	9.9406	0	%100
105	MP4C	X	-5.7392	-5.7392	0	%100
106	MP4C	Z	9.9406	9.9406	0	%100
107	MP1B	X	-5.7392	-5.7392	0	%100
108	MP1B	Z	9.9406	9.9406	0	%100
109	MP2B	X	-5.7392	-5.7392	0	%100
110	MP2B	Z	9.9406	9.9406	0	%100
111	MP3B	X	-5.7392	-5.7392	0	%100
112	MP3B	Z	9.9406	9.9406	0	%100
113	MP4B	X	-5.7392	-5.7392	0	%100
114	MP4B	Z	9.9406	9.9406	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
115	M127	X	-4.0524	-4.0524	0	%100
116	M127	Z	7.0189	7.0189	0	%100
117	M126	X	-4.0524	-4.0524	0	%100
118	M126	Z	7.0189	7.0189	0	%100
119	M128	X	-9.4883	-9.4883	0	%100
120	M128	Z	16.4342	16.4342	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M4	X	-11.1596	-11.1596	0	%100
2	M4	Z	6.443	6.443	0	%100
3	M10	X	-3.1476	-3.1476	0	%100
4	M10	Z	1.8173	1.8173	0	%100
5	M43	X	-3.1476	-3.1476	0	%100
6	M43	Z	1.8173	1.8173	0	%100
7	M46	X	-6.2783	-6.2783	0	%100
8	M46	Z	3.6248	3.6248	0	%100
9	M51B	X	-13.9449	-13.9449	0	%100
10	M51B	Z	8.0511	8.0511	0	%100
11	M52B	X	-3.4862	-3.4862	0	%100
12	M52B	Z	2.0128	2.0128	0	%100
13	M76	X	-18.8348	-18.8348	0	%100
14	M76	Z	10.8743	10.8743	0	%100
15	M77	X	-25.5782	-25.5782	0	%100
16	M77	Z	14.7676	14.7676	0	%100
17	M80	X	-26.9409	-26.9409	0	%100
18	M80	Z	15.5543	15.5543	0	%100
19	M84	X	-18.8348	-18.8348	0	%100
20	M84	Z	10.8743	10.8743	0	%100
21	M85	X	-6.3945	-6.3945	0	%100
22	M85	Z	3.6919	3.6919	0	%100
23	M91	X	-6.7352	-6.7352	0	%100
24	M91	Z	3.8886	3.8886	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	-12.5905	-12.5905	0	%100
28	M151A	Z	7.2691	7.2691	0	%100
29	M152A	X	-12.5905	-12.5905	0	%100
30	M152A	Z	7.2691	7.2691	0	%100
31	M153A	X	-25.1131	-25.1131	0	%100
32	M153A	Z	14.4991	14.4991	0	%100
33	M156A	X	-3.4862	-3.4862	0	%100
34	M156A	Z	2.0128	2.0128	0	%100
35	M157A	X	-3.4862	-3.4862	0	%100
36	M157A	Z	2.0128	2.0128	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	0	0	0	%100
39	M162A	X	-6.3945	-6.3945	0	%100
40	M162A	Z	3.6919	3.6919	0	%100
41	M164A	X	-6.7352	-6.7352	0	%100
42	M164A	Z	3.8886	3.8886	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	-6.3945	-6.3945	0	%100
46	M167A	Z	3.6919	3.6919	0	%100
47	M169A	X	-6.7352	-6.7352	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
48	M169A	Z	3.8886	3.8886	0	%100
49	M174A	X	-11.1596	-11.1596	0	%100
50	M174A	Z	6.443	6.443	0	%100
51	M175A	X	-3.1476	-3.1476	0	%100
52	M175A	Z	1.8173	1.8173	0	%100
53	M176A	X	-3.1476	-3.1476	0	%100
54	M176A	Z	1.8173	1.8173	0	%100
55	M177A	X	-6.2783	-6.2783	0	%100
56	M177A	Z	3.6248	3.6248	0	%100
57	M180A	X	-3.4862	-3.4862	0	%100
58	M180A	Z	2.0128	2.0128	0	%100
59	M181A	X	-13.9449	-13.9449	0	%100
60	M181A	Z	8.0511	8.0511	0	%100
61	M185A	X	-18.8348	-18.8348	0	%100
62	M185A	Z	10.8743	10.8743	0	%100
63	M186A	X	-6.3945	-6.3945	0	%100
64	M186A	Z	3.6919	3.6919	0	%100
65	M188A	X	-6.7352	-6.7352	0	%100
66	M188A	Z	3.8886	3.8886	0	%100
67	M190A	X	-18.8348	-18.8348	0	%100
68	M190A	Z	10.8743	10.8743	0	%100
69	M191A	X	-25.5782	-25.5782	0	%100
70	M191A	Z	14.7676	14.7676	0	%100
71	M193A	X	-26.9409	-26.9409	0	%100
72	M193A	Z	15.5543	15.5543	0	%100
73	M198A	X	-3.2956	-3.2956	0	%100
74	M198A	Z	1.9027	1.9027	0	%100
75	M199A	X	-13.1822	-13.1822	0	%100
76	M199A	Z	7.6108	7.6108	0	%100
77	M200A	X	-3.2956	-3.2956	0	%100
78	M200A	Z	1.9027	1.9027	0	%100
79	M201A	X	-2.4852	-2.4852	0	%100
80	M201A	Z	1.4348	1.4348	0	%100
81	M202A	X	-9.9406	-9.9406	0	%100
82	M202A	Z	5.7392	5.7392	0	%100
83	M203A	X	-2.4852	-2.4852	0	%100
84	M203A	Z	1.4348	1.4348	0	%100
85	M210A	X	-11.9392	-11.9392	0	%100
86	M210A	Z	6.8931	6.8931	0	%100
87	M211A	X	-2.9848	-2.9848	0	%100
88	M211A	Z	1.7233	1.7233	0	%100
89	M212A	X	-2.9848	-2.9848	0	%100
90	M212A	Z	1.7233	1.7233	0	%100
91	MP1A	X	-9.9406	-9.9406	0	%100
92	MP1A	Z	5.7392	5.7392	0	%100
93	MP2A	X	-9.9406	-9.9406	0	%100
94	MP2A	Z	5.7392	5.7392	0	%100
95	MP3A	X	-9.9406	-9.9406	0	%100
96	MP3A	Z	5.7392	5.7392	0	%100
97	MP4A	X	-9.9406	-9.9406	0	%100
98	MP4A	Z	5.7392	5.7392	0	%100
99	MP1C	X	-9.9406	-9.9406	0	%100
100	MP1C	Z	5.7392	5.7392	0	%100
101	MP2C	X	-9.9406	-9.9406	0	%100
102	MP2C	Z	5.7392	5.7392	0	%100
103	MP3C	X	-9.9406	-9.9406	0	%100
104	MP3C	Z	5.7392	5.7392	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
105	MP4C	X	-9.9406	-9.9406	0	%100
106	MP4C	Z	5.7392	5.7392	0	%100
107	MP1B	X	-9.9406	-9.9406	0	%100
108	MP1B	Z	5.7392	5.7392	0	%100
109	MP2B	X	-9.9406	-9.9406	0	%100
110	MP2B	Z	5.7392	5.7392	0	%100
111	MP3B	X	-9.9406	-9.9406	0	%100
112	MP3B	Z	5.7392	5.7392	0	%100
113	MP4B	X	-9.9406	-9.9406	0	%100
114	MP4B	Z	5.7392	5.7392	0	%100
115	M127	X	-13.2957	-13.2957	0	%100
116	M127	Z	7.6763	7.6763	0	%100
117	M126	X	-3.8805	-3.8805	0	%100
118	M126	Z	2.2404	2.2404	0	%100
119	M128	X	-13.2957	-13.2957	0	%100
120	M128	Z	7.6763	7.6763	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M4	X	-17.1813	-17.1813	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-12.0766	-12.0766	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-12.0766	-12.0766	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-28.9981	-28.9981	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-22.1514	-22.1514	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-23.3315	-23.3315	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-28.9981	-28.9981	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-22.1514	-22.1514	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-23.3315	-23.3315	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	-4.2953	-4.2953	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	-10.9037	-10.9037	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	-10.9037	-10.9037	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	-21.7486	-21.7486	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	-12.0766	-12.0766	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	0	0	0	%100
37	M161A	X	-7.2495	-7.2495	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
38	M161A	Z	0	0	0	%100
39	M162A	X	-22.1514	-22.1514	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	-23.3315	-23.3315	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	-7.2495	-7.2495	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	0	0	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	0	0	0	%100
49	M174A	X	-4.2953	-4.2953	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	-10.9037	-10.9037	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	-10.9037	-10.9037	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	-21.7486	-21.7486	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	0	0	0	%100
59	M181A	X	-12.0766	-12.0766	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	-7.2495	-7.2495	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	0	0	0	%100
65	M188A	X	0	0	0	%100
66	M188A	Z	0	0	0	%100
67	M190A	X	-7.2495	-7.2495	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	-22.1514	-22.1514	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	-23.3315	-23.3315	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	0	0	0	%100
75	M199A	X	-11.4161	-11.4161	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	-11.4161	-11.4161	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	0	0	0	%100
81	M202A	X	-8.6088	-8.6088	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	-8.6088	-8.6088	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	-10.3396	-10.3396	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	-10.3396	-10.3396	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	0	0	0	%100
91	MP1A	X	-11.4784	-11.4784	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	-11.4784	-11.4784	0	%100
94	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
95	MP3A	X	-11.4784	-11.4784	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-11.4784	-11.4784	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-11.4784	-11.4784	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-11.4784	-11.4784	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-11.4784	-11.4784	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-11.4784	-11.4784	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-11.4784	-11.4784	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-11.4784	-11.4784	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-11.4784	-11.4784	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-11.4784	-11.4784	0	%100
114	MP4B	Z	0	0	0	%100
115	M127	X	-18.9765	-18.9765	0	%100
116	M127	Z	0	0	0	%100
117	M126	X	-8.1047	-8.1047	0	%100
118	M126	Z	0	0	0	%100
119	M128	X	-8.1047	-8.1047	0	%100
120	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M4	X	-11.1596	-11.1596	0	%100
2	M4	Z	-6.443	-6.443	0	%100
3	M10	X	-3.1476	-3.1476	0	%100
4	M10	Z	-1.8173	-1.8173	0	%100
5	M43	X	-3.1476	-3.1476	0	%100
6	M43	Z	-1.8173	-1.8173	0	%100
7	M46	X	-6.2783	-6.2783	0	%100
8	M46	Z	-3.6248	-3.6248	0	%100
9	M51B	X	-3.4862	-3.4862	0	%100
10	M51B	Z	-2.0128	-2.0128	0	%100
11	M52B	X	-13.9449	-13.9449	0	%100
12	M52B	Z	-8.0511	-8.0511	0	%100
13	M76	X	-18.8348	-18.8348	0	%100
14	M76	Z	-10.8743	-10.8743	0	%100
15	M77	X	-6.3945	-6.3945	0	%100
16	M77	Z	-3.6919	-3.6919	0	%100
17	M80	X	-6.7352	-6.7352	0	%100
18	M80	Z	-3.8886	-3.8886	0	%100
19	M84	X	-18.8348	-18.8348	0	%100
20	M84	Z	-10.8743	-10.8743	0	%100
21	M85	X	-25.5782	-25.5782	0	%100
22	M85	Z	-14.7676	-14.7676	0	%100
23	M91	X	-26.9409	-26.9409	0	%100
24	M91	Z	-15.5543	-15.5543	0	%100
25	M150A	X	-11.1596	-11.1596	0	%100
26	M150A	Z	-6.443	-6.443	0	%100
27	M151A	X	-3.1476	-3.1476	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft...
28	M151A	Z	-1.8173	-1.8173	0	%100
29	M152A	X	-3.1476	-3.1476	0	%100
30	M152A	Z	-1.8173	-1.8173	0	%100
31	M153A	X	-6.2783	-6.2783	0	%100
32	M153A	Z	-3.6248	-3.6248	0	%100
33	M156A	X	-13.9449	-13.9449	0	%100
34	M156A	Z	-8.0511	-8.0511	0	%100
35	M157A	X	-3.4862	-3.4862	0	%100
36	M157A	Z	-2.0128	-2.0128	0	%100
37	M161A	X	-18.8348	-18.8348	0	%100
38	M161A	Z	-10.8743	-10.8743	0	%100
39	M162A	X	-25.5782	-25.5782	0	%100
40	M162A	Z	-14.7676	-14.7676	0	%100
41	M164A	X	-26.9409	-26.9409	0	%100
42	M164A	Z	-15.5543	-15.5543	0	%100
43	M166A	X	-18.8348	-18.8348	0	%100
44	M166A	Z	-10.8743	-10.8743	0	%100
45	M167A	X	-6.3945	-6.3945	0	%100
46	M167A	Z	-3.6919	-3.6919	0	%100
47	M169A	X	-6.7352	-6.7352	0	%100
48	M169A	Z	-3.8886	-3.8886	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	-12.5905	-12.5905	0	%100
52	M175A	Z	-7.2691	-7.2691	0	%100
53	M176A	X	-12.5905	-12.5905	0	%100
54	M176A	Z	-7.2691	-7.2691	0	%100
55	M177A	X	-25.1131	-25.1131	0	%100
56	M177A	Z	-14.4991	-14.4991	0	%100
57	M180A	X	-3.4862	-3.4862	0	%100
58	M180A	Z	-2.0128	-2.0128	0	%100
59	M181A	X	-3.4862	-3.4862	0	%100
60	M181A	Z	-2.0128	-2.0128	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	-6.3945	-6.3945	0	%100
64	M186A	Z	-3.6919	-3.6919	0	%100
65	M188A	X	-6.7352	-6.7352	0	%100
66	M188A	Z	-3.8886	-3.8886	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	-6.3945	-6.3945	0	%100
70	M191A	Z	-3.6919	-3.6919	0	%100
71	M193A	X	-6.7352	-6.7352	0	%100
72	M193A	Z	-3.8886	-3.8886	0	%100
73	M198A	X	-3.2956	-3.2956	0	%100
74	M198A	Z	-1.9027	-1.9027	0	%100
75	M199A	X	-3.2956	-3.2956	0	%100
76	M199A	Z	-1.9027	-1.9027	0	%100
77	M200A	X	-13.1822	-13.1822	0	%100
78	M200A	Z	-7.6108	-7.6108	0	%100
79	M201A	X	-2.4852	-2.4852	0	%100
80	M201A	Z	-1.4348	-1.4348	0	%100
81	M202A	X	-2.4852	-2.4852	0	%100
82	M202A	Z	-1.4348	-1.4348	0	%100
83	M203A	X	-9.9406	-9.9406	0	%100
84	M203A	Z	-5.7392	-5.7392	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
85	M210A	X	-2.9848	-2.9848	0	%100
86	M210A	Z	-1.7233	-1.7233	0	%100
87	M211A	X	-11.9392	-11.9392	0	%100
88	M211A	Z	-6.8931	-6.8931	0	%100
89	M212A	X	-2.9848	-2.9848	0	%100
90	M212A	Z	-1.7233	-1.7233	0	%100
91	MP1A	X	-9.9406	-9.9406	0	%100
92	MP1A	Z	-5.7392	-5.7392	0	%100
93	MP2A	X	-9.9406	-9.9406	0	%100
94	MP2A	Z	-5.7392	-5.7392	0	%100
95	MP3A	X	-9.9406	-9.9406	0	%100
96	MP3A	Z	-5.7392	-5.7392	0	%100
97	MP4A	X	-9.9406	-9.9406	0	%100
98	MP4A	Z	-5.7392	-5.7392	0	%100
99	MP1C	X	-9.9406	-9.9406	0	%100
100	MP1C	Z	-5.7392	-5.7392	0	%100
101	MP2C	X	-9.9406	-9.9406	0	%100
102	MP2C	Z	-5.7392	-5.7392	0	%100
103	MP3C	X	-9.9406	-9.9406	0	%100
104	MP3C	Z	-5.7392	-5.7392	0	%100
105	MP4C	X	-9.9406	-9.9406	0	%100
106	MP4C	Z	-5.7392	-5.7392	0	%100
107	MP1B	X	-9.9406	-9.9406	0	%100
108	MP1B	Z	-5.7392	-5.7392	0	%100
109	MP2B	X	-9.9406	-9.9406	0	%100
110	MP2B	Z	-5.7392	-5.7392	0	%100
111	MP3B	X	-9.9406	-9.9406	0	%100
112	MP3B	Z	-5.7392	-5.7392	0	%100
113	MP4B	X	-9.9406	-9.9406	0	%100
114	MP4B	Z	-5.7392	-5.7392	0	%100
115	M127	X	-13.2957	-13.2957	0	%100
116	M127	Z	-7.6763	-7.6763	0	%100
117	M126	X	-13.2957	-13.2957	0	%100
118	M126	Z	-7.6763	-7.6763	0	%100
119	M128	X	-3.8805	-3.8805	0	%100
120	M128	Z	-2.2404	-2.2404	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	-2.1477	-2.1477	0	%100
2	M4	Z	-3.7199	-3.7199	0	%100
3	M10	X	-5.4518	-5.4518	0	%100
4	M10	Z	-9.4429	-9.4429	0	%100
5	M43	X	-5.4518	-5.4518	0	%100
6	M43	Z	-9.4429	-9.4429	0	%100
7	M46	X	-10.8743	-10.8743	0	%100
8	M46	Z	-18.8348	-18.8348	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-6.0383	-6.0383	0	%100
12	M52B	Z	-10.4586	-10.4586	0	%100
13	M76	X	-3.6248	-3.6248	0	%100
14	M76	Z	-6.2783	-6.2783	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
18	M80	Z	0	0	0	%100
19	M84	X	-3.6248	-3.6248	0	%100
20	M84	Z	-6.2783	-6.2783	0	%100
21	M85	X	-11.0757	-11.0757	0	%100
22	M85	Z	-19.1836	-19.1836	0	%100
23	M91	X	-11.6658	-11.6658	0	%100
24	M91	Z	-20.2057	-20.2057	0	%100
25	M150A	X	-8.5906	-8.5906	0	%100
26	M150A	Z	-14.8794	-14.8794	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	-6.0383	-6.0383	0	%100
34	M156A	Z	-10.4586	-10.4586	0	%100
35	M157A	X	-6.0383	-6.0383	0	%100
36	M157A	Z	-10.4586	-10.4586	0	%100
37	M161A	X	-14.4991	-14.4991	0	%100
38	M161A	Z	-25.1131	-25.1131	0	%100
39	M162A	X	-11.0757	-11.0757	0	%100
40	M162A	Z	-19.1836	-19.1836	0	%100
41	M164A	X	-11.6658	-11.6658	0	%100
42	M164A	Z	-20.2057	-20.2057	0	%100
43	M166A	X	-14.4991	-14.4991	0	%100
44	M166A	Z	-25.1131	-25.1131	0	%100
45	M167A	X	-11.0757	-11.0757	0	%100
46	M167A	Z	-19.1836	-19.1836	0	%100
47	M169A	X	-11.6658	-11.6658	0	%100
48	M169A	Z	-20.2057	-20.2057	0	%100
49	M174A	X	-2.1477	-2.1477	0	%100
50	M174A	Z	-3.7199	-3.7199	0	%100
51	M175A	X	-5.4518	-5.4518	0	%100
52	M175A	Z	-9.4429	-9.4429	0	%100
53	M176A	X	-5.4518	-5.4518	0	%100
54	M176A	Z	-9.4429	-9.4429	0	%100
55	M177A	X	-10.8743	-10.8743	0	%100
56	M177A	Z	-18.8348	-18.8348	0	%100
57	M180A	X	-6.0383	-6.0383	0	%100
58	M180A	Z	-10.4586	-10.4586	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	-3.6248	-3.6248	0	%100
62	M185A	Z	-6.2783	-6.2783	0	%100
63	M186A	X	-11.0757	-11.0757	0	%100
64	M186A	Z	-19.1836	-19.1836	0	%100
65	M188A	X	-11.6658	-11.6658	0	%100
66	M188A	Z	-20.2057	-20.2057	0	%100
67	M190A	X	-3.6248	-3.6248	0	%100
68	M190A	Z	-6.2783	-6.2783	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	-5.7081	-5.7081	0	%100
74	M198A	Z	-9.8867	-9.8867	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
75	M199A	X	0	0	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	-5.7081	-5.7081	0	%100
78	M200A	Z	-9.8867	-9.8867	0	%100
79	M201A	X	-4.3044	-4.3044	0	%100
80	M201A	Z	-7.4555	-7.4555	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	-4.3044	-4.3044	0	%100
84	M203A	Z	-7.4555	-7.4555	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	-5.1698	-5.1698	0	%100
88	M211A	Z	-8.9544	-8.9544	0	%100
89	M212A	X	-5.1698	-5.1698	0	%100
90	M212A	Z	-8.9544	-8.9544	0	%100
91	MP1A	X	-5.7392	-5.7392	0	%100
92	MP1A	Z	-9.9406	-9.9406	0	%100
93	MP2A	X	-5.7392	-5.7392	0	%100
94	MP2A	Z	-9.9406	-9.9406	0	%100
95	MP3A	X	-5.7392	-5.7392	0	%100
96	MP3A	Z	-9.9406	-9.9406	0	%100
97	MP4A	X	-5.7392	-5.7392	0	%100
98	MP4A	Z	-9.9406	-9.9406	0	%100
99	MP1C	X	-5.7392	-5.7392	0	%100
100	MP1C	Z	-9.9406	-9.9406	0	%100
101	MP2C	X	-5.7392	-5.7392	0	%100
102	MP2C	Z	-9.9406	-9.9406	0	%100
103	MP3C	X	-5.7392	-5.7392	0	%100
104	MP3C	Z	-9.9406	-9.9406	0	%100
105	MP4C	X	-5.7392	-5.7392	0	%100
106	MP4C	Z	-9.9406	-9.9406	0	%100
107	MP1B	X	-5.7392	-5.7392	0	%100
108	MP1B	Z	-9.9406	-9.9406	0	%100
109	MP2B	X	-5.7392	-5.7392	0	%100
110	MP2B	Z	-9.9406	-9.9406	0	%100
111	MP3B	X	-5.7392	-5.7392	0	%100
112	MP3B	Z	-9.9406	-9.9406	0	%100
113	MP4B	X	-5.7392	-5.7392	0	%100
114	MP4B	Z	-9.9406	-9.9406	0	%100
115	M127	X	-4.0524	-4.0524	0	%100
116	M127	Z	-7.0189	-7.0189	0	%100
117	M126	X	-9.4883	-9.4883	0	%100
118	M126	Z	-16.4342	-16.4342	0	%100
119	M128	X	-4.0524	-4.0524	0	%100
120	M128	Z	-7.0189	-7.0189	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.7162	-3.7162	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.7162	-3.7162	0	%100
7	M46	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
8	M46	Z	-5.7988	-5.7988	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-1.0684	-1.0684	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-1.0684	-1.0684	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-1.448	-1.448	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-1.511	-1.511	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-1.448	-1.448	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-1.511	-1.511	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	-3.433	-3.433	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	-.929	-.929	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	-.929	-.929	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	-1.4497	-1.4497	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	-1.0684	-1.0684	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	-4.2734	-4.2734	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	-4.2797	-4.2797	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	-1.448	-1.448	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	-1.511	-1.511	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	-4.2797	-4.2797	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	-5.7922	-5.7922	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	-6.0439	-6.0439	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	-3.433	-3.433	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	-.929	-.929	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	-.929	-.929	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	-1.4497	-1.4497	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	-4.2734	-4.2734	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	-1.0684	-1.0684	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	-4.2797	-4.2797	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	-5.7922	-5.7922	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
65	M188A	X	0	0	0	%100
66	M188A	Z	-6.0439	-6.0439	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	-4.2797	-4.2797	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	-1.448	-1.448	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	-1.511	-1.511	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	-4.5349	-4.5349	0	%100
75	M199A	X	0	0	0	%100
76	M199A	Z	-1.1337	-1.1337	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	-1.1337	-1.1337	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	-3.6649	-3.6649	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	-.9162	-.9162	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	-.9162	-.9162	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	-.8534	-.8534	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	-.8534	-.8534	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	-3.4135	-3.4135	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-3.6649	-3.6649	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-3.6649	-3.6649	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-3.6649	-3.6649	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-3.6649	-3.6649	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-3.6649	-3.6649	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-3.6649	-3.6649	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-3.6649	-3.6649	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-3.6649	-3.6649	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-3.6649	-3.6649	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-3.6649	-3.6649	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-3.6649	-3.6649	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-3.6649	-3.6649	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	-.9587	-.9587	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-3.8317	-3.8317	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-3.8317	-3.8317	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	.5722	.5722	0	%100
2	M4	Z	-.991	-.991	0	%100
3	M10	X	1.3936	1.3936	0	%100
4	M10	Z	-2.4137	-2.4137	0	%100
5	M43	X	1.3936	1.3936	0	%100
6	M43	Z	-2.4137	-2.4137	0	%100
7	M46	X	2.1746	2.1746	0	%100
8	M46	Z	-3.7664	-3.7664	0	%100
9	M51B	X	1.6025	1.6025	0	%100
10	M51B	Z	-2.7757	-2.7757	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.7133	.7133	0	%100
14	M76	Z	-1.2354	-1.2354	0	%100
15	M77	X	2.1721	2.1721	0	%100
16	M77	Z	-3.7621	-3.7621	0	%100
17	M80	X	2.2665	2.2665	0	%100
18	M80	Z	-3.9257	-3.9257	0	%100
19	M84	X	.7133	.7133	0	%100
20	M84	Z	-1.2354	-1.2354	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	.5722	.5722	0	%100
26	M150A	Z	-.991	-.991	0	%100
27	M151A	X	1.3936	1.3936	0	%100
28	M151A	Z	-2.4137	-2.4137	0	%100
29	M152A	X	1.3936	1.3936	0	%100
30	M152A	Z	-2.4137	-2.4137	0	%100
31	M153A	X	2.1746	2.1746	0	%100
32	M153A	Z	-3.7664	-3.7664	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	1.6025	1.6025	0	%100
36	M157A	Z	-2.7757	-2.7757	0	%100
37	M161A	X	.7133	.7133	0	%100
38	M161A	Z	-1.2354	-1.2354	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	.7133	.7133	0	%100
44	M166A	Z	-1.2354	-1.2354	0	%100
45	M167A	X	2.1721	2.1721	0	%100
46	M167A	Z	-3.7621	-3.7621	0	%100
47	M169A	X	2.2665	2.2665	0	%100
48	M169A	Z	-3.9257	-3.9257	0	%100
49	M174A	X	2.2887	2.2887	0	%100
50	M174A	Z	-3.9641	-3.9641	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	1.6025	1.6025	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M180A	Z	-2.7757	-2.7757	0	%100
59	M181A	X	1.6025	1.6025	0	%100
60	M181A	Z	-2.7757	-2.7757	0	%100
61	M185A	X	2.8531	2.8531	0	%100
62	M185A	Z	-4.9418	-4.9418	0	%100
63	M186A	X	2.1721	2.1721	0	%100
64	M186A	Z	-3.7621	-3.7621	0	%100
65	M188A	X	2.2665	2.2665	0	%100
66	M188A	Z	-3.9257	-3.9257	0	%100
67	M190A	X	2.8531	2.8531	0	%100
68	M190A	Z	-4.9418	-4.9418	0	%100
69	M191A	X	2.1721	2.1721	0	%100
70	M191A	Z	-3.7621	-3.7621	0	%100
71	M193A	X	2.2665	2.2665	0	%100
72	M193A	Z	-3.9257	-3.9257	0	%100
73	M198A	X	1.7006	1.7006	0	%100
74	M198A	Z	-2.9455	-2.9455	0	%100
75	M199A	X	1.7006	1.7006	0	%100
76	M199A	Z	-2.9455	-2.9455	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	1.3744	1.3744	0	%100
80	M201A	Z	-2.3804	-2.3804	0	%100
81	M202A	X	1.3744	1.3744	0	%100
82	M202A	Z	-2.3804	-2.3804	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	1.2801	1.2801	0	%100
86	M210A	Z	-2.2171	-2.2171	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	1.2801	1.2801	0	%100
90	M212A	Z	-2.2171	-2.2171	0	%100
91	MP1A	X	1.8325	1.8325	0	%100
92	MP1A	Z	-3.1739	-3.1739	0	%100
93	MP2A	X	1.8325	1.8325	0	%100
94	MP2A	Z	-3.1739	-3.1739	0	%100
95	MP3A	X	1.8325	1.8325	0	%100
96	MP3A	Z	-3.1739	-3.1739	0	%100
97	MP4A	X	1.8325	1.8325	0	%100
98	MP4A	Z	-3.1739	-3.1739	0	%100
99	MP1C	X	1.8325	1.8325	0	%100
100	MP1C	Z	-3.1739	-3.1739	0	%100
101	MP2C	X	1.8325	1.8325	0	%100
102	MP2C	Z	-3.1739	-3.1739	0	%100
103	MP3C	X	1.8325	1.8325	0	%100
104	MP3C	Z	-3.1739	-3.1739	0	%100
105	MP4C	X	1.8325	1.8325	0	%100
106	MP4C	Z	-3.1739	-3.1739	0	%100
107	MP1B	X	1.8325	1.8325	0	%100
108	MP1B	Z	-3.1739	-3.1739	0	%100
109	MP2B	X	1.8325	1.8325	0	%100
110	MP2B	Z	-3.1739	-3.1739	0	%100
111	MP3B	X	1.8325	1.8325	0	%100
112	MP3B	Z	-3.1739	-3.1739	0	%100
113	MP4B	X	1.8325	1.8325	0	%100
114	MP4B	Z	-3.1739	-3.1739	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
115	M127	X	.9582	.9582	0	%100
116	M127	Z	-1.6596	-1.6596	0	%100
117	M126	X	.9582	.9582	0	%100
118	M126	Z	-1.6596	-1.6596	0	%100
119	M128	X	2.3947	2.3947	0	%100
120	M128	Z	-4.1477	-4.1477	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	2.9731	2.9731	0	%100
2	M4	Z	-1.7165	-1.7165	0	%100
3	M10	X	.8046	.8046	0	%100
4	M10	Z	-.4645	-.4645	0	%100
5	M43	X	.8046	.8046	0	%100
6	M43	Z	-.4645	-.4645	0	%100
7	M46	X	1.2555	1.2555	0	%100
8	M46	Z	-.7249	-.7249	0	%100
9	M51B	X	3.7009	3.7009	0	%100
10	M51B	Z	-2.1367	-2.1367	0	%100
11	M52B	X	.9252	.9252	0	%100
12	M52B	Z	-.5342	-.5342	0	%100
13	M76	X	3.7063	3.7063	0	%100
14	M76	Z	-2.1398	-2.1398	0	%100
15	M77	X	5.0162	5.0162	0	%100
16	M77	Z	-2.8961	-2.8961	0	%100
17	M80	X	5.2342	5.2342	0	%100
18	M80	Z	-3.022	-3.022	0	%100
19	M84	X	3.7063	3.7063	0	%100
20	M84	Z	-2.1398	-2.1398	0	%100
21	M85	X	1.254	1.254	0	%100
22	M85	Z	-.724	-.724	0	%100
23	M91	X	1.3086	1.3086	0	%100
24	M91	Z	-.7555	-.7555	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	3.2183	3.2183	0	%100
28	M151A	Z	-1.8581	-1.8581	0	%100
29	M152A	X	3.2183	3.2183	0	%100
30	M152A	Z	-1.8581	-1.8581	0	%100
31	M153A	X	5.0219	5.0219	0	%100
32	M153A	Z	-2.8994	-2.8994	0	%100
33	M156A	X	.9252	.9252	0	%100
34	M156A	Z	-.5342	-.5342	0	%100
35	M157A	X	.9252	.9252	0	%100
36	M157A	Z	-.5342	-.5342	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	0	0	0	%100
39	M162A	X	1.254	1.254	0	%100
40	M162A	Z	-.724	-.724	0	%100
41	M164A	X	1.3086	1.3086	0	%100
42	M164A	Z	-.7555	-.7555	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	1.254	1.254	0	%100
46	M167A	Z	-.724	-.724	0	%100
47	M169A	X	1.3086	1.3086	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
48	M169A	Z	-.7555	-.7555	0	%100
49	M174A	X	2.9731	2.9731	0	%100
50	M174A	Z	-1.7165	-1.7165	0	%100
51	M175A	X	.8046	.8046	0	%100
52	M175A	Z	-.4645	-.4645	0	%100
53	M176A	X	.8046	.8046	0	%100
54	M176A	Z	-.4645	-.4645	0	%100
55	M177A	X	1.2555	1.2555	0	%100
56	M177A	Z	-.7249	-.7249	0	%100
57	M180A	X	.9252	.9252	0	%100
58	M180A	Z	-.5342	-.5342	0	%100
59	M181A	X	3.7009	3.7009	0	%100
60	M181A	Z	-2.1367	-2.1367	0	%100
61	M185A	X	3.7063	3.7063	0	%100
62	M185A	Z	-2.1398	-2.1398	0	%100
63	M186A	X	1.254	1.254	0	%100
64	M186A	Z	-.724	-.724	0	%100
65	M188A	X	1.3086	1.3086	0	%100
66	M188A	Z	-.7555	-.7555	0	%100
67	M190A	X	3.7063	3.7063	0	%100
68	M190A	Z	-2.1398	-2.1398	0	%100
69	M191A	X	5.0162	5.0162	0	%100
70	M191A	Z	-2.8961	-2.8961	0	%100
71	M193A	X	5.2342	5.2342	0	%100
72	M193A	Z	-3.022	-3.022	0	%100
73	M198A	X	.9818	.9818	0	%100
74	M198A	Z	-.5669	-.5669	0	%100
75	M199A	X	3.9273	3.9273	0	%100
76	M199A	Z	-2.2674	-2.2674	0	%100
77	M200A	X	.9818	.9818	0	%100
78	M200A	Z	-.5669	-.5669	0	%100
79	M201A	X	.7935	.7935	0	%100
80	M201A	Z	-.4581	-.4581	0	%100
81	M202A	X	3.1739	3.1739	0	%100
82	M202A	Z	-1.8325	-1.8325	0	%100
83	M203A	X	.7935	.7935	0	%100
84	M203A	Z	-.4581	-.4581	0	%100
85	M210A	X	2.9562	2.9562	0	%100
86	M210A	Z	-1.7067	-1.7067	0	%100
87	M211A	X	.739	.739	0	%100
88	M211A	Z	-.4267	-.4267	0	%100
89	M212A	X	.739	.739	0	%100
90	M212A	Z	-.4267	-.4267	0	%100
91	MP1A	X	3.1739	3.1739	0	%100
92	MP1A	Z	-1.8325	-1.8325	0	%100
93	MP2A	X	3.1739	3.1739	0	%100
94	MP2A	Z	-1.8325	-1.8325	0	%100
95	MP3A	X	3.1739	3.1739	0	%100
96	MP3A	Z	-1.8325	-1.8325	0	%100
97	MP4A	X	3.1739	3.1739	0	%100
98	MP4A	Z	-1.8325	-1.8325	0	%100
99	MP1C	X	3.1739	3.1739	0	%100
100	MP1C	Z	-1.8325	-1.8325	0	%100
101	MP2C	X	3.1739	3.1739	0	%100
102	MP2C	Z	-1.8325	-1.8325	0	%100
103	MP3C	X	3.1739	3.1739	0	%100
104	MP3C	Z	-1.8325	-1.8325	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
105	MP4C	X	3.1739	3.1739	0	%100
106	MP4C	Z	-1.8325	-1.8325	0	%100
107	MP1B	X	3.1739	3.1739	0	%100
108	MP1B	Z	-1.8325	-1.8325	0	%100
109	MP2B	X	3.1739	3.1739	0	%100
110	MP2B	Z	-1.8325	-1.8325	0	%100
111	MP3B	X	3.1739	3.1739	0	%100
112	MP3B	Z	-1.8325	-1.8325	0	%100
113	MP4B	X	3.1739	3.1739	0	%100
114	MP4B	Z	-1.8325	-1.8325	0	%100
115	M127	X	3.3183	3.3183	0	%100
116	M127	Z	-1.9158	-1.9158	0	%100
117	M126	X	.8303	.8303	0	%100
118	M126	Z	-.4794	-.4794	0	%100
119	M128	X	3.3183	3.3183	0	%100
120	M128	Z	-1.9158	-1.9158	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	4.5774	4.5774	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	3.2051	3.2051	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	3.2051	3.2051	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	5.7063	5.7063	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	4.3441	4.3441	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	4.533	4.533	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	5.7063	5.7063	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	4.3441	4.3441	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	4.533	4.533	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	1.1443	1.1443	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	2.7871	2.7871	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	2.7871	2.7871	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	4.3491	4.3491	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	3.2051	3.2051	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	0	0	0	%100
37	M161A	X	1.4266	1.4266	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
38	M161A	Z	0	0	0	%100
39	M162A	X	4.3441	4.3441	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	4.533	4.533	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	1.4266	1.4266	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	0	0	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	0	0	0	%100
49	M174A	X	1.1443	1.1443	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	2.7871	2.7871	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	2.7871	2.7871	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	4.3491	4.3491	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	0	0	0	%100
59	M181A	X	3.2051	3.2051	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	1.4266	1.4266	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	0	0	0	%100
65	M188A	X	0	0	0	%100
66	M188A	Z	0	0	0	%100
67	M190A	X	1.4266	1.4266	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	4.3441	4.3441	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	4.533	4.533	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	0	0	0	%100
75	M199A	X	3.4012	3.4012	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	3.4012	3.4012	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	0	0	0	%100
81	M202A	X	2.7487	2.7487	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	2.7487	2.7487	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	2.5601	2.5601	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	2.5601	2.5601	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	0	0	0	%100
91	MP1A	X	3.6649	3.6649	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	3.6649	3.6649	0	%100
94	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
95	MP3A	X	3.6649	3.6649	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	3.6649	3.6649	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	3.6649	3.6649	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	3.6649	3.6649	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	3.6649	3.6649	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	3.6649	3.6649	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	3.6649	3.6649	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	3.6649	3.6649	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	3.6649	3.6649	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	3.6649	3.6649	0	%100
114	MP4B	Z	0	0	0	%100
115	M127	X	4.7893	4.7893	0	%100
116	M127	Z	0	0	0	%100
117	M126	X	1.9164	1.9164	0	%100
118	M126	Z	0	0	0	%100
119	M128	X	1.9164	1.9164	0	%100
120	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	2.9731	2.9731	0	%100
2	M4	Z	1.7165	1.7165	0	%100
3	M10	X	.8046	.8046	0	%100
4	M10	Z	.4645	.4645	0	%100
5	M43	X	.8046	.8046	0	%100
6	M43	Z	.4645	.4645	0	%100
7	M46	X	1.2555	1.2555	0	%100
8	M46	Z	.7249	.7249	0	%100
9	M51B	X	.9252	.9252	0	%100
10	M51B	Z	.5342	.5342	0	%100
11	M52B	X	3.7009	3.7009	0	%100
12	M52B	Z	2.1367	2.1367	0	%100
13	M76	X	3.7063	3.7063	0	%100
14	M76	Z	2.1398	2.1398	0	%100
15	M77	X	1.254	1.254	0	%100
16	M77	Z	.724	.724	0	%100
17	M80	X	1.3086	1.3086	0	%100
18	M80	Z	.7555	.7555	0	%100
19	M84	X	3.7063	3.7063	0	%100
20	M84	Z	2.1398	2.1398	0	%100
21	M85	X	5.0162	5.0162	0	%100
22	M85	Z	2.8961	2.8961	0	%100
23	M91	X	5.2342	5.2342	0	%100
24	M91	Z	3.022	3.022	0	%100
25	M150A	X	2.9731	2.9731	0	%100
26	M150A	Z	1.7165	1.7165	0	%100
27	M151A	X	.8046	.8046	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
28	M151A	Z	.4645	.4645	0	%100
29	M152A	X	.8046	.8046	0	%100
30	M152A	Z	.4645	.4645	0	%100
31	M153A	X	1.2555	1.2555	0	%100
32	M153A	Z	.7249	.7249	0	%100
33	M156A	X	3.7009	3.7009	0	%100
34	M156A	Z	2.1367	2.1367	0	%100
35	M157A	X	.9252	.9252	0	%100
36	M157A	Z	.5342	.5342	0	%100
37	M161A	X	3.7063	3.7063	0	%100
38	M161A	Z	2.1398	2.1398	0	%100
39	M162A	X	5.0162	5.0162	0	%100
40	M162A	Z	2.8961	2.8961	0	%100
41	M164A	X	5.2342	5.2342	0	%100
42	M164A	Z	3.022	3.022	0	%100
43	M166A	X	3.7063	3.7063	0	%100
44	M166A	Z	2.1398	2.1398	0	%100
45	M167A	X	1.254	1.254	0	%100
46	M167A	Z	.724	.724	0	%100
47	M169A	X	1.3086	1.3086	0	%100
48	M169A	Z	.7555	.7555	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	3.2183	3.2183	0	%100
52	M175A	Z	1.8581	1.8581	0	%100
53	M176A	X	3.2183	3.2183	0	%100
54	M176A	Z	1.8581	1.8581	0	%100
55	M177A	X	5.0219	5.0219	0	%100
56	M177A	Z	2.8994	2.8994	0	%100
57	M180A	X	.9252	.9252	0	%100
58	M180A	Z	.5342	.5342	0	%100
59	M181A	X	.9252	.9252	0	%100
60	M181A	Z	.5342	.5342	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	1.254	1.254	0	%100
64	M186A	Z	.724	.724	0	%100
65	M188A	X	1.3086	1.3086	0	%100
66	M188A	Z	.7555	.7555	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	1.254	1.254	0	%100
70	M191A	Z	.724	.724	0	%100
71	M193A	X	1.3086	1.3086	0	%100
72	M193A	Z	.7555	.7555	0	%100
73	M198A	X	.9818	.9818	0	%100
74	M198A	Z	.5669	.5669	0	%100
75	M199A	X	.9818	.9818	0	%100
76	M199A	Z	.5669	.5669	0	%100
77	M200A	X	3.9273	3.9273	0	%100
78	M200A	Z	2.2674	2.2674	0	%100
79	M201A	X	.7935	.7935	0	%100
80	M201A	Z	.4581	.4581	0	%100
81	M202A	X	.7935	.7935	0	%100
82	M202A	Z	.4581	.4581	0	%100
83	M203A	X	3.1739	3.1739	0	%100
84	M203A	Z	1.8325	1.8325	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
85	M210A	X	.739	.739	0	%100
86	M210A	Z	.4267	.4267	0	%100
87	M211A	X	2.9562	2.9562	0	%100
88	M211A	Z	1.7067	1.7067	0	%100
89	M212A	X	.739	.739	0	%100
90	M212A	Z	.4267	.4267	0	%100
91	MP1A	X	3.1739	3.1739	0	%100
92	MP1A	Z	1.8325	1.8325	0	%100
93	MP2A	X	3.1739	3.1739	0	%100
94	MP2A	Z	1.8325	1.8325	0	%100
95	MP3A	X	3.1739	3.1739	0	%100
96	MP3A	Z	1.8325	1.8325	0	%100
97	MP4A	X	3.1739	3.1739	0	%100
98	MP4A	Z	1.8325	1.8325	0	%100
99	MP1C	X	3.1739	3.1739	0	%100
100	MP1C	Z	1.8325	1.8325	0	%100
101	MP2C	X	3.1739	3.1739	0	%100
102	MP2C	Z	1.8325	1.8325	0	%100
103	MP3C	X	3.1739	3.1739	0	%100
104	MP3C	Z	1.8325	1.8325	0	%100
105	MP4C	X	3.1739	3.1739	0	%100
106	MP4C	Z	1.8325	1.8325	0	%100
107	MP1B	X	3.1739	3.1739	0	%100
108	MP1B	Z	1.8325	1.8325	0	%100
109	MP2B	X	3.1739	3.1739	0	%100
110	MP2B	Z	1.8325	1.8325	0	%100
111	MP3B	X	3.1739	3.1739	0	%100
112	MP3B	Z	1.8325	1.8325	0	%100
113	MP4B	X	3.1739	3.1739	0	%100
114	MP4B	Z	1.8325	1.8325	0	%100
115	M127	X	3.3183	3.3183	0	%100
116	M127	Z	1.9158	1.9158	0	%100
117	M126	X	3.3183	3.3183	0	%100
118	M126	Z	1.9158	1.9158	0	%100
119	M128	X	.8303	.8303	0	%100
120	M128	Z	.4794	.4794	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	.5722	.5722	0	%100
2	M4	Z	.991	.991	0	%100
3	M10	X	1.3936	1.3936	0	%100
4	M10	Z	2.4137	2.4137	0	%100
5	M43	X	1.3936	1.3936	0	%100
6	M43	Z	2.4137	2.4137	0	%100
7	M46	X	2.1746	2.1746	0	%100
8	M46	Z	3.7664	3.7664	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	1.6025	1.6025	0	%100
12	M52B	Z	2.7757	2.7757	0	%100
13	M76	X	.7133	.7133	0	%100
14	M76	Z	1.2354	1.2354	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft...
18	M80	Z	0	0	0	%100
19	M84	X	.7133	.7133	0	%100
20	M84	Z	1.2354	1.2354	0	%100
21	M85	X	2.1721	2.1721	0	%100
22	M85	Z	3.7621	3.7621	0	%100
23	M91	X	2.2665	2.2665	0	%100
24	M91	Z	3.9257	3.9257	0	%100
25	M150A	X	2.2887	2.2887	0	%100
26	M150A	Z	3.9641	3.9641	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	1.6025	1.6025	0	%100
34	M156A	Z	2.7757	2.7757	0	%100
35	M157A	X	1.6025	1.6025	0	%100
36	M157A	Z	2.7757	2.7757	0	%100
37	M161A	X	2.8531	2.8531	0	%100
38	M161A	Z	4.9418	4.9418	0	%100
39	M162A	X	2.1721	2.1721	0	%100
40	M162A	Z	3.7621	3.7621	0	%100
41	M164A	X	2.2665	2.2665	0	%100
42	M164A	Z	3.9257	3.9257	0	%100
43	M166A	X	2.8531	2.8531	0	%100
44	M166A	Z	4.9418	4.9418	0	%100
45	M167A	X	2.1721	2.1721	0	%100
46	M167A	Z	3.7621	3.7621	0	%100
47	M169A	X	2.2665	2.2665	0	%100
48	M169A	Z	3.9257	3.9257	0	%100
49	M174A	X	.5722	.5722	0	%100
50	M174A	Z	.991	.991	0	%100
51	M175A	X	1.3936	1.3936	0	%100
52	M175A	Z	2.4137	2.4137	0	%100
53	M176A	X	1.3936	1.3936	0	%100
54	M176A	Z	2.4137	2.4137	0	%100
55	M177A	X	2.1746	2.1746	0	%100
56	M177A	Z	3.7664	3.7664	0	%100
57	M180A	X	1.6025	1.6025	0	%100
58	M180A	Z	2.7757	2.7757	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	.7133	.7133	0	%100
62	M185A	Z	1.2354	1.2354	0	%100
63	M186A	X	2.1721	2.1721	0	%100
64	M186A	Z	3.7621	3.7621	0	%100
65	M188A	X	2.2665	2.2665	0	%100
66	M188A	Z	3.9257	3.9257	0	%100
67	M190A	X	.7133	.7133	0	%100
68	M190A	Z	1.2354	1.2354	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	1.7006	1.7006	0	%100
74	M198A	Z	2.9455	2.9455	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
75	M199A	X	0	0	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	1.7006	1.7006	0	%100
78	M200A	Z	2.9455	2.9455	0	%100
79	M201A	X	1.3744	1.3744	0	%100
80	M201A	Z	2.3804	2.3804	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	1.3744	1.3744	0	%100
84	M203A	Z	2.3804	2.3804	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	1.2801	1.2801	0	%100
88	M211A	Z	2.2171	2.2171	0	%100
89	M212A	X	1.2801	1.2801	0	%100
90	M212A	Z	2.2171	2.2171	0	%100
91	MP1A	X	1.8325	1.8325	0	%100
92	MP1A	Z	3.1739	3.1739	0	%100
93	MP2A	X	1.8325	1.8325	0	%100
94	MP2A	Z	3.1739	3.1739	0	%100
95	MP3A	X	1.8325	1.8325	0	%100
96	MP3A	Z	3.1739	3.1739	0	%100
97	MP4A	X	1.8325	1.8325	0	%100
98	MP4A	Z	3.1739	3.1739	0	%100
99	MP1C	X	1.8325	1.8325	0	%100
100	MP1C	Z	3.1739	3.1739	0	%100
101	MP2C	X	1.8325	1.8325	0	%100
102	MP2C	Z	3.1739	3.1739	0	%100
103	MP3C	X	1.8325	1.8325	0	%100
104	MP3C	Z	3.1739	3.1739	0	%100
105	MP4C	X	1.8325	1.8325	0	%100
106	MP4C	Z	3.1739	3.1739	0	%100
107	MP1B	X	1.8325	1.8325	0	%100
108	MP1B	Z	3.1739	3.1739	0	%100
109	MP2B	X	1.8325	1.8325	0	%100
110	MP2B	Z	3.1739	3.1739	0	%100
111	MP3B	X	1.8325	1.8325	0	%100
112	MP3B	Z	3.1739	3.1739	0	%100
113	MP4B	X	1.8325	1.8325	0	%100
114	MP4B	Z	3.1739	3.1739	0	%100
115	M127	X	.9582	.9582	0	%100
116	M127	Z	1.6596	1.6596	0	%100
117	M126	X	2.3947	2.3947	0	%100
118	M126	Z	4.1477	4.1477	0	%100
119	M128	X	.9582	.9582	0	%100
120	M128	Z	1.6596	1.6596	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.7162	3.7162	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	3.7162	3.7162	0	%100
7	M46	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
8	M46	Z	5.7988	5.7988	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	1.0684	1.0684	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	1.0684	1.0684	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	1.448	1.448	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	1.511	1.511	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	1.448	1.448	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	1.511	1.511	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	3.433	3.433	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	.929	.929	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	.929	.929	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	1.4497	1.4497	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	1.0684	1.0684	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	4.2734	4.2734	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	4.2797	4.2797	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	1.448	1.448	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	1.511	1.511	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	4.2797	4.2797	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	5.7922	5.7922	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	6.0439	6.0439	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	3.433	3.433	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	.929	.929	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	.929	.929	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	1.4497	1.4497	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	4.2734	4.2734	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	1.0684	1.0684	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	4.2797	4.2797	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	5.7922	5.7922	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
65	M188A	X	0	0	0	%100
66	M188A	Z	6.0439	6.0439	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	4.2797	4.2797	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	1.448	1.448	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	1.511	1.511	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	4.5349	4.5349	0	%100
75	M199A	X	0	0	0	%100
76	M199A	Z	1.1337	1.1337	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	1.1337	1.1337	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	3.6649	3.6649	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	.9162	.9162	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	.9162	.9162	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	.8534	.8534	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	.8534	.8534	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	3.4135	3.4135	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	3.6649	3.6649	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	3.6649	3.6649	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	3.6649	3.6649	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	3.6649	3.6649	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	3.6649	3.6649	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	3.6649	3.6649	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	3.6649	3.6649	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	3.6649	3.6649	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	3.6649	3.6649	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	3.6649	3.6649	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	3.6649	3.6649	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	3.6649	3.6649	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	.9587	.9587	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	3.8317	3.8317	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	3.8317	3.8317	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft...
1	M4	X	-.5722	-.5722	0	%100
2	M4	Z	.991	.991	0	%100
3	M10	X	-1.3936	-1.3936	0	%100
4	M10	Z	2.4137	2.4137	0	%100
5	M43	X	-1.3936	-1.3936	0	%100
6	M43	Z	2.4137	2.4137	0	%100
7	M46	X	-2.1746	-2.1746	0	%100
8	M46	Z	3.7664	3.7664	0	%100
9	M51B	X	-1.6025	-1.6025	0	%100
10	M51B	Z	2.7757	2.7757	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.7133	-.7133	0	%100
14	M76	Z	1.2354	1.2354	0	%100
15	M77	X	-2.1721	-2.1721	0	%100
16	M77	Z	3.7621	3.7621	0	%100
17	M80	X	-2.2665	-2.2665	0	%100
18	M80	Z	3.9257	3.9257	0	%100
19	M84	X	-.7133	-.7133	0	%100
20	M84	Z	1.2354	1.2354	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	-.5722	-.5722	0	%100
26	M150A	Z	.991	.991	0	%100
27	M151A	X	-1.3936	-1.3936	0	%100
28	M151A	Z	2.4137	2.4137	0	%100
29	M152A	X	-1.3936	-1.3936	0	%100
30	M152A	Z	2.4137	2.4137	0	%100
31	M153A	X	-2.1746	-2.1746	0	%100
32	M153A	Z	3.7664	3.7664	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	-1.6025	-1.6025	0	%100
36	M157A	Z	2.7757	2.7757	0	%100
37	M161A	X	-.7133	-.7133	0	%100
38	M161A	Z	1.2354	1.2354	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	-.7133	-.7133	0	%100
44	M166A	Z	1.2354	1.2354	0	%100
45	M167A	X	-2.1721	-2.1721	0	%100
46	M167A	Z	3.7621	3.7621	0	%100
47	M169A	X	-2.2665	-2.2665	0	%100
48	M169A	Z	3.9257	3.9257	0	%100
49	M174A	X	-2.2887	-2.2887	0	%100
50	M174A	Z	3.9641	3.9641	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	-1.6025	-1.6025	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M180A	Z	2.7757	2.7757	0	%100
59	M181A	X	-1.6025	-1.6025	0	%100
60	M181A	Z	2.7757	2.7757	0	%100
61	M185A	X	-2.8531	-2.8531	0	%100
62	M185A	Z	4.9418	4.9418	0	%100
63	M186A	X	-2.1721	-2.1721	0	%100
64	M186A	Z	3.7621	3.7621	0	%100
65	M188A	X	-2.2665	-2.2665	0	%100
66	M188A	Z	3.9257	3.9257	0	%100
67	M190A	X	-2.8531	-2.8531	0	%100
68	M190A	Z	4.9418	4.9418	0	%100
69	M191A	X	-2.1721	-2.1721	0	%100
70	M191A	Z	3.7621	3.7621	0	%100
71	M193A	X	-2.2665	-2.2665	0	%100
72	M193A	Z	3.9257	3.9257	0	%100
73	M198A	X	-1.7006	-1.7006	0	%100
74	M198A	Z	2.9455	2.9455	0	%100
75	M199A	X	-1.7006	-1.7006	0	%100
76	M199A	Z	2.9455	2.9455	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	-1.3744	-1.3744	0	%100
80	M201A	Z	2.3804	2.3804	0	%100
81	M202A	X	-1.3744	-1.3744	0	%100
82	M202A	Z	2.3804	2.3804	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	-1.2801	-1.2801	0	%100
86	M210A	Z	2.2171	2.2171	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	-1.2801	-1.2801	0	%100
90	M212A	Z	2.2171	2.2171	0	%100
91	MP1A	X	-1.8325	-1.8325	0	%100
92	MP1A	Z	3.1739	3.1739	0	%100
93	MP2A	X	-1.8325	-1.8325	0	%100
94	MP2A	Z	3.1739	3.1739	0	%100
95	MP3A	X	-1.8325	-1.8325	0	%100
96	MP3A	Z	3.1739	3.1739	0	%100
97	MP4A	X	-1.8325	-1.8325	0	%100
98	MP4A	Z	3.1739	3.1739	0	%100
99	MP1C	X	-1.8325	-1.8325	0	%100
100	MP1C	Z	3.1739	3.1739	0	%100
101	MP2C	X	-1.8325	-1.8325	0	%100
102	MP2C	Z	3.1739	3.1739	0	%100
103	MP3C	X	-1.8325	-1.8325	0	%100
104	MP3C	Z	3.1739	3.1739	0	%100
105	MP4C	X	-1.8325	-1.8325	0	%100
106	MP4C	Z	3.1739	3.1739	0	%100
107	MP1B	X	-1.8325	-1.8325	0	%100
108	MP1B	Z	3.1739	3.1739	0	%100
109	MP2B	X	-1.8325	-1.8325	0	%100
110	MP2B	Z	3.1739	3.1739	0	%100
111	MP3B	X	-1.8325	-1.8325	0	%100
112	MP3B	Z	3.1739	3.1739	0	%100
113	MP4B	X	-1.8325	-1.8325	0	%100
114	MP4B	Z	3.1739	3.1739	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
115	M127	X	-.9582	-.9582	0	%100
116	M127	Z	1.6596	1.6596	0	%100
117	M126	X	-.9582	-.9582	0	%100
118	M126	Z	1.6596	1.6596	0	%100
119	M128	X	-2.3947	-2.3947	0	%100
120	M128	Z	4.1477	4.1477	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	-2.9731	-2.9731	0	%100
2	M4	Z	1.7165	1.7165	0	%100
3	M10	X	-.8046	-.8046	0	%100
4	M10	Z	.4645	.4645	0	%100
5	M43	X	-.8046	-.8046	0	%100
6	M43	Z	.4645	.4645	0	%100
7	M46	X	-1.2555	-1.2555	0	%100
8	M46	Z	.7249	.7249	0	%100
9	M51B	X	-3.7009	-3.7009	0	%100
10	M51B	Z	2.1367	2.1367	0	%100
11	M52B	X	-.9252	-.9252	0	%100
12	M52B	Z	.5342	.5342	0	%100
13	M76	X	-3.7063	-3.7063	0	%100
14	M76	Z	2.1398	2.1398	0	%100
15	M77	X	-5.0162	-5.0162	0	%100
16	M77	Z	2.8961	2.8961	0	%100
17	M80	X	-5.2342	-5.2342	0	%100
18	M80	Z	3.022	3.022	0	%100
19	M84	X	-3.7063	-3.7063	0	%100
20	M84	Z	2.1398	2.1398	0	%100
21	M85	X	-1.254	-1.254	0	%100
22	M85	Z	.724	.724	0	%100
23	M91	X	-1.3086	-1.3086	0	%100
24	M91	Z	.7555	.7555	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	-3.2183	-3.2183	0	%100
28	M151A	Z	1.8581	1.8581	0	%100
29	M152A	X	-3.2183	-3.2183	0	%100
30	M152A	Z	1.8581	1.8581	0	%100
31	M153A	X	-5.0219	-5.0219	0	%100
32	M153A	Z	2.8994	2.8994	0	%100
33	M156A	X	-.9252	-.9252	0	%100
34	M156A	Z	.5342	.5342	0	%100
35	M157A	X	-.9252	-.9252	0	%100
36	M157A	Z	.5342	.5342	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	0	0	0	%100
39	M162A	X	-1.254	-1.254	0	%100
40	M162A	Z	.724	.724	0	%100
41	M164A	X	-1.3086	-1.3086	0	%100
42	M164A	Z	.7555	.7555	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	-1.254	-1.254	0	%100
46	M167A	Z	.724	.724	0	%100
47	M169A	X	-1.3086	-1.3086	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
48	M169A	Z	.7555	.7555	0	%100
49	M174A	X	-2.9731	-2.9731	0	%100
50	M174A	Z	1.7165	1.7165	0	%100
51	M175A	X	-.8046	-.8046	0	%100
52	M175A	Z	.4645	.4645	0	%100
53	M176A	X	-.8046	-.8046	0	%100
54	M176A	Z	.4645	.4645	0	%100
55	M177A	X	-1.2555	-1.2555	0	%100
56	M177A	Z	.7249	.7249	0	%100
57	M180A	X	-.9252	-.9252	0	%100
58	M180A	Z	.5342	.5342	0	%100
59	M181A	X	-3.7009	-3.7009	0	%100
60	M181A	Z	2.1367	2.1367	0	%100
61	M185A	X	-3.7063	-3.7063	0	%100
62	M185A	Z	2.1398	2.1398	0	%100
63	M186A	X	-1.254	-1.254	0	%100
64	M186A	Z	.724	.724	0	%100
65	M188A	X	-1.3086	-1.3086	0	%100
66	M188A	Z	.7555	.7555	0	%100
67	M190A	X	-3.7063	-3.7063	0	%100
68	M190A	Z	2.1398	2.1398	0	%100
69	M191A	X	-5.0162	-5.0162	0	%100
70	M191A	Z	2.8961	2.8961	0	%100
71	M193A	X	-5.2342	-5.2342	0	%100
72	M193A	Z	3.022	3.022	0	%100
73	M198A	X	-.9818	-.9818	0	%100
74	M198A	Z	.5669	.5669	0	%100
75	M199A	X	-3.9273	-3.9273	0	%100
76	M199A	Z	2.2674	2.2674	0	%100
77	M200A	X	-.9818	-.9818	0	%100
78	M200A	Z	.5669	.5669	0	%100
79	M201A	X	-.7935	-.7935	0	%100
80	M201A	Z	.4581	.4581	0	%100
81	M202A	X	-3.1739	-3.1739	0	%100
82	M202A	Z	1.8325	1.8325	0	%100
83	M203A	X	-.7935	-.7935	0	%100
84	M203A	Z	.4581	.4581	0	%100
85	M210A	X	-2.9562	-2.9562	0	%100
86	M210A	Z	1.7067	1.7067	0	%100
87	M211A	X	-.739	-.739	0	%100
88	M211A	Z	.4267	.4267	0	%100
89	M212A	X	-.739	-.739	0	%100
90	M212A	Z	.4267	.4267	0	%100
91	MP1A	X	-3.1739	-3.1739	0	%100
92	MP1A	Z	1.8325	1.8325	0	%100
93	MP2A	X	-3.1739	-3.1739	0	%100
94	MP2A	Z	1.8325	1.8325	0	%100
95	MP3A	X	-3.1739	-3.1739	0	%100
96	MP3A	Z	1.8325	1.8325	0	%100
97	MP4A	X	-3.1739	-3.1739	0	%100
98	MP4A	Z	1.8325	1.8325	0	%100
99	MP1C	X	-3.1739	-3.1739	0	%100
100	MP1C	Z	1.8325	1.8325	0	%100
101	MP2C	X	-3.1739	-3.1739	0	%100
102	MP2C	Z	1.8325	1.8325	0	%100
103	MP3C	X	-3.1739	-3.1739	0	%100
104	MP3C	Z	1.8325	1.8325	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
105	MP4C	X	-3.1739	-3.1739	0	%100
106	MP4C	Z	1.8325	1.8325	0	%100
107	MP1B	X	-3.1739	-3.1739	0	%100
108	MP1B	Z	1.8325	1.8325	0	%100
109	MP2B	X	-3.1739	-3.1739	0	%100
110	MP2B	Z	1.8325	1.8325	0	%100
111	MP3B	X	-3.1739	-3.1739	0	%100
112	MP3B	Z	1.8325	1.8325	0	%100
113	MP4B	X	-3.1739	-3.1739	0	%100
114	MP4B	Z	1.8325	1.8325	0	%100
115	M127	X	-3.3183	-3.3183	0	%100
116	M127	Z	1.9158	1.9158	0	%100
117	M126	X	-.8303	-.8303	0	%100
118	M126	Z	.4794	.4794	0	%100
119	M128	X	-3.3183	-3.3183	0	%100
120	M128	Z	1.9158	1.9158	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	-4.5774	-4.5774	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-3.2051	-3.2051	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-3.2051	-3.2051	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-5.7063	-5.7063	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-4.3441	-4.3441	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-4.533	-4.533	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-5.7063	-5.7063	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-4.3441	-4.3441	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-4.533	-4.533	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	-1.1443	-1.1443	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	-2.7871	-2.7871	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	-2.7871	-2.7871	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	-4.3491	-4.3491	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	-3.2051	-3.2051	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	0	0	0	%100
37	M161A	X	-1.4266	-1.4266	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
38	M161A	Z	0	0	0	%100
39	M162A	X	-4.3441	-4.3441	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	-4.533	-4.533	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	-1.4266	-1.4266	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	0	0	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	0	0	0	%100
49	M174A	X	-1.1443	-1.1443	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	-2.7871	-2.7871	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	-2.7871	-2.7871	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	-4.3491	-4.3491	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	0	0	0	%100
59	M181A	X	-3.2051	-3.2051	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	-1.4266	-1.4266	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	0	0	0	%100
65	M188A	X	0	0	0	%100
66	M188A	Z	0	0	0	%100
67	M190A	X	-1.4266	-1.4266	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	-4.3441	-4.3441	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	-4.533	-4.533	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	0	0	0	%100
75	M199A	X	-3.4012	-3.4012	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	-3.4012	-3.4012	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	0	0	0	%100
81	M202A	X	-2.7487	-2.7487	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	-2.7487	-2.7487	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	-2.5601	-2.5601	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	-2.5601	-2.5601	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	0	0	0	%100
91	MP1A	X	-3.6649	-3.6649	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	-3.6649	-3.6649	0	%100
94	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
95	MP3A	X	-3.6649	-3.6649	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-3.6649	-3.6649	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-3.6649	-3.6649	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-3.6649	-3.6649	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-3.6649	-3.6649	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-3.6649	-3.6649	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-3.6649	-3.6649	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-3.6649	-3.6649	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-3.6649	-3.6649	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-3.6649	-3.6649	0	%100
114	MP4B	Z	0	0	0	%100
115	M127	X	-4.7893	-4.7893	0	%100
116	M127	Z	0	0	0	%100
117	M126	X	-1.9164	-1.9164	0	%100
118	M126	Z	0	0	0	%100
119	M128	X	-1.9164	-1.9164	0	%100
120	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M4	X	-2.9731	-2.9731	0	%100
2	M4	Z	-1.7165	-1.7165	0	%100
3	M10	X	-.8046	-.8046	0	%100
4	M10	Z	-.4645	-.4645	0	%100
5	M43	X	-.8046	-.8046	0	%100
6	M43	Z	-.4645	-.4645	0	%100
7	M46	X	-1.2555	-1.2555	0	%100
8	M46	Z	-.7249	-.7249	0	%100
9	M51B	X	-.9252	-.9252	0	%100
10	M51B	Z	-.5342	-.5342	0	%100
11	M52B	X	-3.7009	-3.7009	0	%100
12	M52B	Z	-2.1367	-2.1367	0	%100
13	M76	X	-3.7063	-3.7063	0	%100
14	M76	Z	-2.1398	-2.1398	0	%100
15	M77	X	-1.254	-1.254	0	%100
16	M77	Z	-.724	-.724	0	%100
17	M80	X	-1.3086	-1.3086	0	%100
18	M80	Z	-.7555	-.7555	0	%100
19	M84	X	-3.7063	-3.7063	0	%100
20	M84	Z	-2.1398	-2.1398	0	%100
21	M85	X	-5.0162	-5.0162	0	%100
22	M85	Z	-2.8961	-2.8961	0	%100
23	M91	X	-5.2342	-5.2342	0	%100
24	M91	Z	-3.022	-3.022	0	%100
25	M150A	X	-2.9731	-2.9731	0	%100
26	M150A	Z	-1.7165	-1.7165	0	%100
27	M151A	X	-.8046	-.8046	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
28	M151A	Z	-.4645	-.4645	0	%100
29	M152A	X	-.8046	-.8046	0	%100
30	M152A	Z	-.4645	-.4645	0	%100
31	M153A	X	-1.2555	-1.2555	0	%100
32	M153A	Z	-.7249	-.7249	0	%100
33	M156A	X	-3.7009	-3.7009	0	%100
34	M156A	Z	-2.1367	-2.1367	0	%100
35	M157A	X	-.9252	-.9252	0	%100
36	M157A	Z	-.5342	-.5342	0	%100
37	M161A	X	-3.7063	-3.7063	0	%100
38	M161A	Z	-2.1398	-2.1398	0	%100
39	M162A	X	-5.0162	-5.0162	0	%100
40	M162A	Z	-2.8961	-2.8961	0	%100
41	M164A	X	-5.2342	-5.2342	0	%100
42	M164A	Z	-3.022	-3.022	0	%100
43	M166A	X	-3.7063	-3.7063	0	%100
44	M166A	Z	-2.1398	-2.1398	0	%100
45	M167A	X	-1.254	-1.254	0	%100
46	M167A	Z	-.724	-.724	0	%100
47	M169A	X	-1.3086	-1.3086	0	%100
48	M169A	Z	-.7555	-.7555	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	-3.2183	-3.2183	0	%100
52	M175A	Z	-1.8581	-1.8581	0	%100
53	M176A	X	-3.2183	-3.2183	0	%100
54	M176A	Z	-1.8581	-1.8581	0	%100
55	M177A	X	-5.0219	-5.0219	0	%100
56	M177A	Z	-2.8994	-2.8994	0	%100
57	M180A	X	-.9252	-.9252	0	%100
58	M180A	Z	-.5342	-.5342	0	%100
59	M181A	X	-.9252	-.9252	0	%100
60	M181A	Z	-.5342	-.5342	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	-1.254	-1.254	0	%100
64	M186A	Z	-.724	-.724	0	%100
65	M188A	X	-1.3086	-1.3086	0	%100
66	M188A	Z	-.7555	-.7555	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	-1.254	-1.254	0	%100
70	M191A	Z	-.724	-.724	0	%100
71	M193A	X	-1.3086	-1.3086	0	%100
72	M193A	Z	-.7555	-.7555	0	%100
73	M198A	X	-.9818	-.9818	0	%100
74	M198A	Z	-.5669	-.5669	0	%100
75	M199A	X	-.9818	-.9818	0	%100
76	M199A	Z	-.5669	-.5669	0	%100
77	M200A	X	-3.9273	-3.9273	0	%100
78	M200A	Z	-2.2674	-2.2674	0	%100
79	M201A	X	-.7935	-.7935	0	%100
80	M201A	Z	-.4581	-.4581	0	%100
81	M202A	X	-.7935	-.7935	0	%100
82	M202A	Z	-.4581	-.4581	0	%100
83	M203A	X	-3.1739	-3.1739	0	%100
84	M203A	Z	-1.8325	-1.8325	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
85	M210A	X	-.739	-.739	0	%100
86	M210A	Z	-.4267	-.4267	0	%100
87	M211A	X	-2.9562	-2.9562	0	%100
88	M211A	Z	-1.7067	-1.7067	0	%100
89	M212A	X	-.739	-.739	0	%100
90	M212A	Z	-.4267	-.4267	0	%100
91	MP1A	X	-3.1739	-3.1739	0	%100
92	MP1A	Z	-1.8325	-1.8325	0	%100
93	MP2A	X	-3.1739	-3.1739	0	%100
94	MP2A	Z	-1.8325	-1.8325	0	%100
95	MP3A	X	-3.1739	-3.1739	0	%100
96	MP3A	Z	-1.8325	-1.8325	0	%100
97	MP4A	X	-3.1739	-3.1739	0	%100
98	MP4A	Z	-1.8325	-1.8325	0	%100
99	MP1C	X	-3.1739	-3.1739	0	%100
100	MP1C	Z	-1.8325	-1.8325	0	%100
101	MP2C	X	-3.1739	-3.1739	0	%100
102	MP2C	Z	-1.8325	-1.8325	0	%100
103	MP3C	X	-3.1739	-3.1739	0	%100
104	MP3C	Z	-1.8325	-1.8325	0	%100
105	MP4C	X	-3.1739	-3.1739	0	%100
106	MP4C	Z	-1.8325	-1.8325	0	%100
107	MP1B	X	-3.1739	-3.1739	0	%100
108	MP1B	Z	-1.8325	-1.8325	0	%100
109	MP2B	X	-3.1739	-3.1739	0	%100
110	MP2B	Z	-1.8325	-1.8325	0	%100
111	MP3B	X	-3.1739	-3.1739	0	%100
112	MP3B	Z	-1.8325	-1.8325	0	%100
113	MP4B	X	-3.1739	-3.1739	0	%100
114	MP4B	Z	-1.8325	-1.8325	0	%100
115	M127	X	-3.3183	-3.3183	0	%100
116	M127	Z	-1.9158	-1.9158	0	%100
117	M126	X	-3.3183	-3.3183	0	%100
118	M126	Z	-1.9158	-1.9158	0	%100
119	M128	X	-.8303	-.8303	0	%100
120	M128	Z	-.4794	-.4794	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	-.5722	-.5722	0	%100
2	M4	Z	-.991	-.991	0	%100
3	M10	X	-1.3936	-1.3936	0	%100
4	M10	Z	-2.4137	-2.4137	0	%100
5	M43	X	-1.3936	-1.3936	0	%100
6	M43	Z	-2.4137	-2.4137	0	%100
7	M46	X	-2.1746	-2.1746	0	%100
8	M46	Z	-3.7664	-3.7664	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-1.6025	-1.6025	0	%100
12	M52B	Z	-2.7757	-2.7757	0	%100
13	M76	X	-.7133	-.7133	0	%100
14	M76	Z	-1.2354	-1.2354	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
18	M80	Z	0	0	0	%100
19	M84	X	-.7133	-.7133	0	%100
20	M84	Z	-1.2354	-1.2354	0	%100
21	M85	X	-2.1721	-2.1721	0	%100
22	M85	Z	-3.7621	-3.7621	0	%100
23	M91	X	-2.2665	-2.2665	0	%100
24	M91	Z	-3.9257	-3.9257	0	%100
25	M150A	X	-2.2887	-2.2887	0	%100
26	M150A	Z	-3.9641	-3.9641	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	-1.6025	-1.6025	0	%100
34	M156A	Z	-2.7757	-2.7757	0	%100
35	M157A	X	-1.6025	-1.6025	0	%100
36	M157A	Z	-2.7757	-2.7757	0	%100
37	M161A	X	-2.8531	-2.8531	0	%100
38	M161A	Z	-4.9418	-4.9418	0	%100
39	M162A	X	-2.1721	-2.1721	0	%100
40	M162A	Z	-3.7621	-3.7621	0	%100
41	M164A	X	-2.2665	-2.2665	0	%100
42	M164A	Z	-3.9257	-3.9257	0	%100
43	M166A	X	-2.8531	-2.8531	0	%100
44	M166A	Z	-4.9418	-4.9418	0	%100
45	M167A	X	-2.1721	-2.1721	0	%100
46	M167A	Z	-3.7621	-3.7621	0	%100
47	M169A	X	-2.2665	-2.2665	0	%100
48	M169A	Z	-3.9257	-3.9257	0	%100
49	M174A	X	-.5722	-.5722	0	%100
50	M174A	Z	-.991	-.991	0	%100
51	M175A	X	-1.3936	-1.3936	0	%100
52	M175A	Z	-2.4137	-2.4137	0	%100
53	M176A	X	-1.3936	-1.3936	0	%100
54	M176A	Z	-2.4137	-2.4137	0	%100
55	M177A	X	-2.1746	-2.1746	0	%100
56	M177A	Z	-3.7664	-3.7664	0	%100
57	M180A	X	-1.6025	-1.6025	0	%100
58	M180A	Z	-2.7757	-2.7757	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	-.7133	-.7133	0	%100
62	M185A	Z	-1.2354	-1.2354	0	%100
63	M186A	X	-2.1721	-2.1721	0	%100
64	M186A	Z	-3.7621	-3.7621	0	%100
65	M188A	X	-2.2665	-2.2665	0	%100
66	M188A	Z	-3.9257	-3.9257	0	%100
67	M190A	X	-.7133	-.7133	0	%100
68	M190A	Z	-1.2354	-1.2354	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	-1.7006	-1.7006	0	%100
74	M198A	Z	-2.9455	-2.9455	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
75	M199A	X	0	0	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	-1.7006	-1.7006	0	%100
78	M200A	Z	-2.9455	-2.9455	0	%100
79	M201A	X	-1.3744	-1.3744	0	%100
80	M201A	Z	-2.3804	-2.3804	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	-1.3744	-1.3744	0	%100
84	M203A	Z	-2.3804	-2.3804	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	-1.2801	-1.2801	0	%100
88	M211A	Z	-2.2171	-2.2171	0	%100
89	M212A	X	-1.2801	-1.2801	0	%100
90	M212A	Z	-2.2171	-2.2171	0	%100
91	MP1A	X	-1.8325	-1.8325	0	%100
92	MP1A	Z	-3.1739	-3.1739	0	%100
93	MP2A	X	-1.8325	-1.8325	0	%100
94	MP2A	Z	-3.1739	-3.1739	0	%100
95	MP3A	X	-1.8325	-1.8325	0	%100
96	MP3A	Z	-3.1739	-3.1739	0	%100
97	MP4A	X	-1.8325	-1.8325	0	%100
98	MP4A	Z	-3.1739	-3.1739	0	%100
99	MP1C	X	-1.8325	-1.8325	0	%100
100	MP1C	Z	-3.1739	-3.1739	0	%100
101	MP2C	X	-1.8325	-1.8325	0	%100
102	MP2C	Z	-3.1739	-3.1739	0	%100
103	MP3C	X	-1.8325	-1.8325	0	%100
104	MP3C	Z	-3.1739	-3.1739	0	%100
105	MP4C	X	-1.8325	-1.8325	0	%100
106	MP4C	Z	-3.1739	-3.1739	0	%100
107	MP1B	X	-1.8325	-1.8325	0	%100
108	MP1B	Z	-3.1739	-3.1739	0	%100
109	MP2B	X	-1.8325	-1.8325	0	%100
110	MP2B	Z	-3.1739	-3.1739	0	%100
111	MP3B	X	-1.8325	-1.8325	0	%100
112	MP3B	Z	-3.1739	-3.1739	0	%100
113	MP4B	X	-1.8325	-1.8325	0	%100
114	MP4B	Z	-3.1739	-3.1739	0	%100
115	M127	X	-.9582	-.9582	0	%100
116	M127	Z	-1.6596	-1.6596	0	%100
117	M126	X	-2.3947	-2.3947	0	%100
118	M126	Z	-4.1477	-4.1477	0	%100
119	M128	X	-.9582	-.9582	0	%100
120	M128	Z	-1.6596	-1.6596	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.8374	-.8374	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.8374	-.8374	0	%100
7	M46	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
8	M46	Z	-1.6703	-1.6703	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.2319	-.2319	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.2319	-.2319	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	-.4253	-.4253	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	-.448	-.448	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	-.4253	-.4253	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	-.448	-.448	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	-.7422	-.7422	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	-.2094	-.2094	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	-.2094	-.2094	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	-.4176	-.4176	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	-.2319	-.2319	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	-.9275	-.9275	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	-1.2527	-1.2527	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	-.4253	-.4253	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	-.448	-.448	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	-1.2527	-1.2527	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	-1.7012	-1.7012	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	-1.7919	-1.7919	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	-.7422	-.7422	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	-.2094	-.2094	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	-.2094	-.2094	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	-.4176	-.4176	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	-.9275	-.9275	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	-.2319	-.2319	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	-1.2527	-1.2527	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	-1.7012	-1.7012	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
65	M188A	X	0	0	0	%100
66	M188A	Z	-1.7919	-1.7919	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	-1.2527	-1.2527	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	-.4253	-.4253	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	-.448	-.448	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	-.8768	-.8768	0	%100
75	M199A	X	0	0	0	%100
76	M199A	Z	-.2192	-.2192	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	-.2192	-.2192	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	-.6612	-.6612	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	-.1653	-.1653	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	-.1653	-.1653	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	-.1985	-.1985	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	-.1985	-.1985	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	-.7941	-.7941	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-.6612	-.6612	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-.6612	-.6612	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-.6612	-.6612	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-.6612	-.6612	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-.6612	-.6612	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-.6612	-.6612	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-.6612	-.6612	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-.6612	-.6612	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-.6612	-.6612	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-.6612	-.6612	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-.6612	-.6612	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-.6612	-.6612	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	-.2581	-.2581	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-.8843	-.8843	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-.8843	-.8843	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	.1237	.1237	0	%100
2	M4	Z	-.2143	-.2143	0	%100
3	M10	X	.314	.314	0	%100
4	M10	Z	-.5439	-.5439	0	%100
5	M43	X	.314	.314	0	%100
6	M43	Z	-.5439	-.5439	0	%100
7	M46	X	.6264	.6264	0	%100
8	M46	Z	-1.0849	-1.0849	0	%100
9	M51B	X	.3478	.3478	0	%100
10	M51B	Z	-.6024	-.6024	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	.2088	.2088	0	%100
14	M76	Z	-.3616	-.3616	0	%100
15	M77	X	.638	.638	0	%100
16	M77	Z	-1.105	-1.105	0	%100
17	M80	X	.6719	.6719	0	%100
18	M80	Z	-1.1638	-1.1638	0	%100
19	M84	X	.2088	.2088	0	%100
20	M84	Z	-.3616	-.3616	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	.1237	.1237	0	%100
26	M150A	Z	-.2143	-.2143	0	%100
27	M151A	X	.314	.314	0	%100
28	M151A	Z	-.5439	-.5439	0	%100
29	M152A	X	.314	.314	0	%100
30	M152A	Z	-.5439	-.5439	0	%100
31	M153A	X	.6264	.6264	0	%100
32	M153A	Z	-1.0849	-1.0849	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	.3478	.3478	0	%100
36	M157A	Z	-.6024	-.6024	0	%100
37	M161A	X	.2088	.2088	0	%100
38	M161A	Z	-.3616	-.3616	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	.2088	.2088	0	%100
44	M166A	Z	-.3616	-.3616	0	%100
45	M167A	X	.638	.638	0	%100
46	M167A	Z	-1.105	-1.105	0	%100
47	M169A	X	.6719	.6719	0	%100
48	M169A	Z	-1.1638	-1.1638	0	%100
49	M174A	X	.4948	.4948	0	%100
50	M174A	Z	-.8571	-.8571	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	.3478	.3478	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M180A	Z	-.6024	-.6024	0	%100
59	M181A	X	.3478	.3478	0	%100
60	M181A	Z	-.6024	-.6024	0	%100
61	M185A	X	.8351	.8351	0	%100
62	M185A	Z	-1.4465	-1.4465	0	%100
63	M186A	X	.638	.638	0	%100
64	M186A	Z	-1.105	-1.105	0	%100
65	M188A	X	.6719	.6719	0	%100
66	M188A	Z	-1.1638	-1.1638	0	%100
67	M190A	X	.8351	.8351	0	%100
68	M190A	Z	-1.4465	-1.4465	0	%100
69	M191A	X	.638	.638	0	%100
70	M191A	Z	-1.105	-1.105	0	%100
71	M193A	X	.6719	.6719	0	%100
72	M193A	Z	-1.1638	-1.1638	0	%100
73	M198A	X	.3288	.3288	0	%100
74	M198A	Z	-.5695	-.5695	0	%100
75	M199A	X	.3288	.3288	0	%100
76	M199A	Z	-.5695	-.5695	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	.2479	.2479	0	%100
80	M201A	Z	-.4294	-.4294	0	%100
81	M202A	X	.2479	.2479	0	%100
82	M202A	Z	-.4294	-.4294	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	.2978	.2978	0	%100
86	M210A	Z	-.5158	-.5158	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	.2978	.2978	0	%100
90	M212A	Z	-.5158	-.5158	0	%100
91	MP1A	X	.3306	.3306	0	%100
92	MP1A	Z	-.5726	-.5726	0	%100
93	MP2A	X	.3306	.3306	0	%100
94	MP2A	Z	-.5726	-.5726	0	%100
95	MP3A	X	.3306	.3306	0	%100
96	MP3A	Z	-.5726	-.5726	0	%100
97	MP4A	X	.3306	.3306	0	%100
98	MP4A	Z	-.5726	-.5726	0	%100
99	MP1C	X	.3306	.3306	0	%100
100	MP1C	Z	-.5726	-.5726	0	%100
101	MP2C	X	.3306	.3306	0	%100
102	MP2C	Z	-.5726	-.5726	0	%100
103	MP3C	X	.3306	.3306	0	%100
104	MP3C	Z	-.5726	-.5726	0	%100
105	MP4C	X	.3306	.3306	0	%100
106	MP4C	Z	-.5726	-.5726	0	%100
107	MP1B	X	.3306	.3306	0	%100
108	MP1B	Z	-.5726	-.5726	0	%100
109	MP2B	X	.3306	.3306	0	%100
110	MP2B	Z	-.5726	-.5726	0	%100
111	MP3B	X	.3306	.3306	0	%100
112	MP3B	Z	-.5726	-.5726	0	%100
113	MP4B	X	.3306	.3306	0	%100
114	MP4B	Z	-.5726	-.5726	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
115	M127	X	.2334	.2334	0	%100
116	M127	Z	-.4043	-.4043	0	%100
117	M126	X	.2334	.2334	0	%100
118	M126	Z	-.4043	-.4043	0	%100
119	M128	X	.5465	.5465	0	%100
120	M128	Z	-.9466	-.9466	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	.6428	.6428	0	%100
2	M4	Z	-.3711	-.3711	0	%100
3	M10	X	.1813	.1813	0	%100
4	M10	Z	-.1047	-.1047	0	%100
5	M43	X	.1813	.1813	0	%100
6	M43	Z	-.1047	-.1047	0	%100
7	M46	X	.3616	.3616	0	%100
8	M46	Z	-.2088	-.2088	0	%100
9	M51B	X	.8032	.8032	0	%100
10	M51B	Z	-.4637	-.4637	0	%100
11	M52B	X	.2008	.2008	0	%100
12	M52B	Z	-.1159	-.1159	0	%100
13	M76	X	1.0849	1.0849	0	%100
14	M76	Z	-.6264	-.6264	0	%100
15	M77	X	1.4733	1.4733	0	%100
16	M77	Z	-.8506	-.8506	0	%100
17	M80	X	1.5518	1.5518	0	%100
18	M80	Z	-.8959	-.8959	0	%100
19	M84	X	1.0849	1.0849	0	%100
20	M84	Z	-.6264	-.6264	0	%100
21	M85	X	.3683	.3683	0	%100
22	M85	Z	-.2127	-.2127	0	%100
23	M91	X	.3879	.3879	0	%100
24	M91	Z	-.224	-.224	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	.7252	.7252	0	%100
28	M151A	Z	-.4187	-.4187	0	%100
29	M152A	X	.7252	.7252	0	%100
30	M152A	Z	-.4187	-.4187	0	%100
31	M153A	X	1.4465	1.4465	0	%100
32	M153A	Z	-.8351	-.8351	0	%100
33	M156A	X	.2008	.2008	0	%100
34	M156A	Z	-.1159	-.1159	0	%100
35	M157A	X	.2008	.2008	0	%100
36	M157A	Z	-.1159	-.1159	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	0	0	0	%100
39	M162A	X	.3683	.3683	0	%100
40	M162A	Z	-.2127	-.2127	0	%100
41	M164A	X	.3879	.3879	0	%100
42	M164A	Z	-.224	-.224	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	.3683	.3683	0	%100
46	M167A	Z	-.2127	-.2127	0	%100
47	M169A	X	.3879	.3879	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
48	M169A	Z	-.224	-.224	0	%100
49	M174A	X	.6428	.6428	0	%100
50	M174A	Z	-.3711	-.3711	0	%100
51	M175A	X	.1813	.1813	0	%100
52	M175A	Z	-.1047	-.1047	0	%100
53	M176A	X	.1813	.1813	0	%100
54	M176A	Z	-.1047	-.1047	0	%100
55	M177A	X	.3616	.3616	0	%100
56	M177A	Z	-.2088	-.2088	0	%100
57	M180A	X	.2008	.2008	0	%100
58	M180A	Z	-.1159	-.1159	0	%100
59	M181A	X	.8032	.8032	0	%100
60	M181A	Z	-.4637	-.4637	0	%100
61	M185A	X	1.0849	1.0849	0	%100
62	M185A	Z	-.6264	-.6264	0	%100
63	M186A	X	.3683	.3683	0	%100
64	M186A	Z	-.2127	-.2127	0	%100
65	M188A	X	.3879	.3879	0	%100
66	M188A	Z	-.224	-.224	0	%100
67	M190A	X	1.0849	1.0849	0	%100
68	M190A	Z	-.6264	-.6264	0	%100
69	M191A	X	1.4733	1.4733	0	%100
70	M191A	Z	-.8506	-.8506	0	%100
71	M193A	X	1.5518	1.5518	0	%100
72	M193A	Z	-.8959	-.8959	0	%100
73	M198A	X	.1898	.1898	0	%100
74	M198A	Z	-.1096	-.1096	0	%100
75	M199A	X	.7593	.7593	0	%100
76	M199A	Z	-.4384	-.4384	0	%100
77	M200A	X	.1898	.1898	0	%100
78	M200A	Z	-.1096	-.1096	0	%100
79	M201A	X	.1431	.1431	0	%100
80	M201A	Z	-.0826	-.0826	0	%100
81	M202A	X	.5726	.5726	0	%100
82	M202A	Z	-.3306	-.3306	0	%100
83	M203A	X	.1431	.1431	0	%100
84	M203A	Z	-.0826	-.0826	0	%100
85	M210A	X	.6877	.6877	0	%100
86	M210A	Z	-.397	-.397	0	%100
87	M211A	X	.1719	.1719	0	%100
88	M211A	Z	-.0993	-.0993	0	%100
89	M212A	X	.1719	.1719	0	%100
90	M212A	Z	-.0993	-.0993	0	%100
91	MP1A	X	.5726	.5726	0	%100
92	MP1A	Z	-.3306	-.3306	0	%100
93	MP2A	X	.5726	.5726	0	%100
94	MP2A	Z	-.3306	-.3306	0	%100
95	MP3A	X	.5726	.5726	0	%100
96	MP3A	Z	-.3306	-.3306	0	%100
97	MP4A	X	.5726	.5726	0	%100
98	MP4A	Z	-.3306	-.3306	0	%100
99	MP1C	X	.5726	.5726	0	%100
100	MP1C	Z	-.3306	-.3306	0	%100
101	MP2C	X	.5726	.5726	0	%100
102	MP2C	Z	-.3306	-.3306	0	%100
103	MP3C	X	.5726	.5726	0	%100
104	MP3C	Z	-.3306	-.3306	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
105	MP4C	X	.5726	.5726	0	%100
106	MP4C	Z	-.3306	-.3306	0	%100
107	MP1B	X	.5726	.5726	0	%100
108	MP1B	Z	-.3306	-.3306	0	%100
109	MP2B	X	.5726	.5726	0	%100
110	MP2B	Z	-.3306	-.3306	0	%100
111	MP3B	X	.5726	.5726	0	%100
112	MP3B	Z	-.3306	-.3306	0	%100
113	MP4B	X	.5726	.5726	0	%100
114	MP4B	Z	-.3306	-.3306	0	%100
115	M127	X	.7658	.7658	0	%100
116	M127	Z	-.4422	-.4422	0	%100
117	M126	X	.2235	.2235	0	%100
118	M126	Z	-.129	-.129	0	%100
119	M128	X	.7658	.7658	0	%100
120	M128	Z	-.4422	-.4422	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	.9896	.9896	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.6956	.6956	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.6956	.6956	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	1.6703	1.6703	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	1.2759	1.2759	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	1.3439	1.3439	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	1.6703	1.6703	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	1.2759	1.2759	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	1.3439	1.3439	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	.2474	.2474	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	.6281	.6281	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	.6281	.6281	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	1.2527	1.2527	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	.6956	.6956	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	0	0	0	%100
37	M161A	X	.4176	.4176	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
38	M161A	Z	0	0	0	%100
39	M162A	X	1.2759	1.2759	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	1.3439	1.3439	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	.4176	.4176	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	0	0	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	0	0	0	%100
49	M174A	X	.2474	.2474	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	.6281	.6281	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	.6281	.6281	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	1.2527	1.2527	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	0	0	0	%100
59	M181A	X	.6956	.6956	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	.4176	.4176	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	0	0	0	%100
65	M188A	X	0	0	0	%100
66	M188A	Z	0	0	0	%100
67	M190A	X	.4176	.4176	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	1.2759	1.2759	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	1.3439	1.3439	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	0	0	0	%100
75	M199A	X	.6576	.6576	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	.6576	.6576	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	0	0	0	%100
81	M202A	X	.4959	.4959	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	.4959	.4959	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	.5956	.5956	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	.5956	.5956	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	0	0	0	%100
91	MP1A	X	.6612	.6612	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	.6612	.6612	0	%100
94	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
95	MP3A	X	.6612	.6612	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	.6612	.6612	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	.6612	.6612	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	.6612	.6612	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	.6612	.6612	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	.6612	.6612	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	.6612	.6612	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	.6612	.6612	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	.6612	.6612	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	.6612	.6612	0	%100
114	MP4B	Z	0	0	0	%100
115	M127	X	1.093	1.093	0	%100
116	M127	Z	0	0	0	%100
117	M126	X	.4668	.4668	0	%100
118	M126	Z	0	0	0	%100
119	M128	X	.4668	.4668	0	%100
120	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	.6428	.6428	0	%100
2	M4	Z	.3711	.3711	0	%100
3	M10	X	.1813	.1813	0	%100
4	M10	Z	.1047	.1047	0	%100
5	M43	X	.1813	.1813	0	%100
6	M43	Z	.1047	.1047	0	%100
7	M46	X	.3616	.3616	0	%100
8	M46	Z	.2088	.2088	0	%100
9	M51B	X	.2008	.2008	0	%100
10	M51B	Z	.1159	.1159	0	%100
11	M52B	X	.8032	.8032	0	%100
12	M52B	Z	.4637	.4637	0	%100
13	M76	X	1.0849	1.0849	0	%100
14	M76	Z	.6264	.6264	0	%100
15	M77	X	.3683	.3683	0	%100
16	M77	Z	.2127	.2127	0	%100
17	M80	X	.3879	.3879	0	%100
18	M80	Z	.224	.224	0	%100
19	M84	X	1.0849	1.0849	0	%100
20	M84	Z	.6264	.6264	0	%100
21	M85	X	1.4733	1.4733	0	%100
22	M85	Z	.8506	.8506	0	%100
23	M91	X	1.5518	1.5518	0	%100
24	M91	Z	.8959	.8959	0	%100
25	M150A	X	.6428	.6428	0	%100
26	M150A	Z	.3711	.3711	0	%100
27	M151A	X	.1813	.1813	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
28	M151A	Z	.1047	.1047	0	%100
29	M152A	X	.1813	.1813	0	%100
30	M152A	Z	.1047	.1047	0	%100
31	M153A	X	.3616	.3616	0	%100
32	M153A	Z	.2088	.2088	0	%100
33	M156A	X	.8032	.8032	0	%100
34	M156A	Z	.4637	.4637	0	%100
35	M157A	X	.2008	.2008	0	%100
36	M157A	Z	.1159	.1159	0	%100
37	M161A	X	1.0849	1.0849	0	%100
38	M161A	Z	.6264	.6264	0	%100
39	M162A	X	1.4733	1.4733	0	%100
40	M162A	Z	.8506	.8506	0	%100
41	M164A	X	1.5518	1.5518	0	%100
42	M164A	Z	.8959	.8959	0	%100
43	M166A	X	1.0849	1.0849	0	%100
44	M166A	Z	.6264	.6264	0	%100
45	M167A	X	.3683	.3683	0	%100
46	M167A	Z	.2127	.2127	0	%100
47	M169A	X	.3879	.3879	0	%100
48	M169A	Z	.224	.224	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	.7252	.7252	0	%100
52	M175A	Z	.4187	.4187	0	%100
53	M176A	X	.7252	.7252	0	%100
54	M176A	Z	.4187	.4187	0	%100
55	M177A	X	1.4465	1.4465	0	%100
56	M177A	Z	.8351	.8351	0	%100
57	M180A	X	.2008	.2008	0	%100
58	M180A	Z	.1159	.1159	0	%100
59	M181A	X	.2008	.2008	0	%100
60	M181A	Z	.1159	.1159	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	.3683	.3683	0	%100
64	M186A	Z	.2127	.2127	0	%100
65	M188A	X	.3879	.3879	0	%100
66	M188A	Z	.224	.224	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	.3683	.3683	0	%100
70	M191A	Z	.2127	.2127	0	%100
71	M193A	X	.3879	.3879	0	%100
72	M193A	Z	.224	.224	0	%100
73	M198A	X	.1898	.1898	0	%100
74	M198A	Z	.1096	.1096	0	%100
75	M199A	X	.1898	.1898	0	%100
76	M199A	Z	.1096	.1096	0	%100
77	M200A	X	.7593	.7593	0	%100
78	M200A	Z	.4384	.4384	0	%100
79	M201A	X	.1431	.1431	0	%100
80	M201A	Z	.0826	.0826	0	%100
81	M202A	X	.1431	.1431	0	%100
82	M202A	Z	.0826	.0826	0	%100
83	M203A	X	.5726	.5726	0	%100
84	M203A	Z	.3306	.3306	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
85	M210A	X	.1719	.1719	0	%100
86	M210A	Z	.0993	.0993	0	%100
87	M211A	X	.6877	.6877	0	%100
88	M211A	Z	.397	.397	0	%100
89	M212A	X	.1719	.1719	0	%100
90	M212A	Z	.0993	.0993	0	%100
91	MP1A	X	.5726	.5726	0	%100
92	MP1A	Z	.3306	.3306	0	%100
93	MP2A	X	.5726	.5726	0	%100
94	MP2A	Z	.3306	.3306	0	%100
95	MP3A	X	.5726	.5726	0	%100
96	MP3A	Z	.3306	.3306	0	%100
97	MP4A	X	.5726	.5726	0	%100
98	MP4A	Z	.3306	.3306	0	%100
99	MP1C	X	.5726	.5726	0	%100
100	MP1C	Z	.3306	.3306	0	%100
101	MP2C	X	.5726	.5726	0	%100
102	MP2C	Z	.3306	.3306	0	%100
103	MP3C	X	.5726	.5726	0	%100
104	MP3C	Z	.3306	.3306	0	%100
105	MP4C	X	.5726	.5726	0	%100
106	MP4C	Z	.3306	.3306	0	%100
107	MP1B	X	.5726	.5726	0	%100
108	MP1B	Z	.3306	.3306	0	%100
109	MP2B	X	.5726	.5726	0	%100
110	MP2B	Z	.3306	.3306	0	%100
111	MP3B	X	.5726	.5726	0	%100
112	MP3B	Z	.3306	.3306	0	%100
113	MP4B	X	.5726	.5726	0	%100
114	MP4B	Z	.3306	.3306	0	%100
115	M127	X	.7658	.7658	0	%100
116	M127	Z	.4422	.4422	0	%100
117	M126	X	.7658	.7658	0	%100
118	M126	Z	.4422	.4422	0	%100
119	M128	X	.2235	.2235	0	%100
120	M128	Z	.129	.129	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M4	X	.1237	.1237	0	%100
2	M4	Z	.2143	.2143	0	%100
3	M10	X	.314	.314	0	%100
4	M10	Z	.5439	.5439	0	%100
5	M43	X	.314	.314	0	%100
6	M43	Z	.5439	.5439	0	%100
7	M46	X	.6264	.6264	0	%100
8	M46	Z	1.0849	1.0849	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.3478	.3478	0	%100
12	M52B	Z	.6024	.6024	0	%100
13	M76	X	.2088	.2088	0	%100
14	M76	Z	.3616	.3616	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
18	M80	Z	0	0	0	%100
19	M84	X	.2088	.2088	0	%100
20	M84	Z	.3616	.3616	0	%100
21	M85	X	.638	.638	0	%100
22	M85	Z	1.105	1.105	0	%100
23	M91	X	.6719	.6719	0	%100
24	M91	Z	1.1638	1.1638	0	%100
25	M150A	X	.4948	.4948	0	%100
26	M150A	Z	.8571	.8571	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	.3478	.3478	0	%100
34	M156A	Z	.6024	.6024	0	%100
35	M157A	X	.3478	.3478	0	%100
36	M157A	Z	.6024	.6024	0	%100
37	M161A	X	.8351	.8351	0	%100
38	M161A	Z	1.4465	1.4465	0	%100
39	M162A	X	.638	.638	0	%100
40	M162A	Z	1.105	1.105	0	%100
41	M164A	X	.6719	.6719	0	%100
42	M164A	Z	1.1638	1.1638	0	%100
43	M166A	X	.8351	.8351	0	%100
44	M166A	Z	1.4465	1.4465	0	%100
45	M167A	X	.638	.638	0	%100
46	M167A	Z	1.105	1.105	0	%100
47	M169A	X	.6719	.6719	0	%100
48	M169A	Z	1.1638	1.1638	0	%100
49	M174A	X	.1237	.1237	0	%100
50	M174A	Z	.2143	.2143	0	%100
51	M175A	X	.314	.314	0	%100
52	M175A	Z	.5439	.5439	0	%100
53	M176A	X	.314	.314	0	%100
54	M176A	Z	.5439	.5439	0	%100
55	M177A	X	.6264	.6264	0	%100
56	M177A	Z	1.0849	1.0849	0	%100
57	M180A	X	.3478	.3478	0	%100
58	M180A	Z	.6024	.6024	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	.2088	.2088	0	%100
62	M185A	Z	.3616	.3616	0	%100
63	M186A	X	.638	.638	0	%100
64	M186A	Z	1.105	1.105	0	%100
65	M188A	X	.6719	.6719	0	%100
66	M188A	Z	1.1638	1.1638	0	%100
67	M190A	X	.2088	.2088	0	%100
68	M190A	Z	.3616	.3616	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	.3288	.3288	0	%100
74	M198A	Z	.5695	.5695	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[I...	Start Location[ft,...	End Location[ft,...
75	M199A	X	0	0	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	.3288	.3288	0	%100
78	M200A	Z	.5695	.5695	0	%100
79	M201A	X	.2479	.2479	0	%100
80	M201A	Z	.4294	.4294	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	.2479	.2479	0	%100
84	M203A	Z	.4294	.4294	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	.2978	.2978	0	%100
88	M211A	Z	.5158	.5158	0	%100
89	M212A	X	.2978	.2978	0	%100
90	M212A	Z	.5158	.5158	0	%100
91	MP1A	X	.3306	.3306	0	%100
92	MP1A	Z	.5726	.5726	0	%100
93	MP2A	X	.3306	.3306	0	%100
94	MP2A	Z	.5726	.5726	0	%100
95	MP3A	X	.3306	.3306	0	%100
96	MP3A	Z	.5726	.5726	0	%100
97	MP4A	X	.3306	.3306	0	%100
98	MP4A	Z	.5726	.5726	0	%100
99	MP1C	X	.3306	.3306	0	%100
100	MP1C	Z	.5726	.5726	0	%100
101	MP2C	X	.3306	.3306	0	%100
102	MP2C	Z	.5726	.5726	0	%100
103	MP3C	X	.3306	.3306	0	%100
104	MP3C	Z	.5726	.5726	0	%100
105	MP4C	X	.3306	.3306	0	%100
106	MP4C	Z	.5726	.5726	0	%100
107	MP1B	X	.3306	.3306	0	%100
108	MP1B	Z	.5726	.5726	0	%100
109	MP2B	X	.3306	.3306	0	%100
110	MP2B	Z	.5726	.5726	0	%100
111	MP3B	X	.3306	.3306	0	%100
112	MP3B	Z	.5726	.5726	0	%100
113	MP4B	X	.3306	.3306	0	%100
114	MP4B	Z	.5726	.5726	0	%100
115	M127	X	.2334	.2334	0	%100
116	M127	Z	.4043	.4043	0	%100
117	M126	X	.5465	.5465	0	%100
118	M126	Z	.9466	.9466	0	%100
119	M128	X	.2334	.2334	0	%100
120	M128	Z	.4043	.4043	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[I...	Start Location[ft,...	End Location[ft,...
1	M4	X	0	0	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.8374	.8374	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.8374	.8374	0	%100
7	M46	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
8	M46	Z	1.6703	1.6703	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.2319	.2319	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.2319	.2319	0	%100
13	M76	X	0	0	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	.4253	.4253	0	%100
17	M80	X	0	0	0	%100
18	M80	Z	.448	.448	0	%100
19	M84	X	0	0	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	.4253	.4253	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	.448	.448	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	.7422	.7422	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	.2094	.2094	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	.2094	.2094	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	.4176	.4176	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	.2319	.2319	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	.9275	.9275	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	1.2527	1.2527	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	.4253	.4253	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	.448	.448	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	1.2527	1.2527	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	1.7012	1.7012	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	1.7919	1.7919	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	.7422	.7422	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	.2094	.2094	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	.2094	.2094	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	.4176	.4176	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	.9275	.9275	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	.2319	.2319	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	1.2527	1.2527	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	1.7012	1.7012	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
65	M188A	X	0	0	0	%100
66	M188A	Z	1.7919	1.7919	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	1.2527	1.2527	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	.4253	.4253	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	.448	.448	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	.8768	.8768	0	%100
75	M199A	X	0	0	0	%100
76	M199A	Z	.2192	.2192	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	.2192	.2192	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	.6612	.6612	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	.1653	.1653	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	.1653	.1653	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	.1985	.1985	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	.1985	.1985	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	.7941	.7941	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	.6612	.6612	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	.6612	.6612	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	.6612	.6612	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	.6612	.6612	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	.6612	.6612	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	.6612	.6612	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	.6612	.6612	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	.6612	.6612	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	.6612	.6612	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	.6612	.6612	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	.6612	.6612	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	.6612	.6612	0	%100
115	M127	X	0	0	0	%100
116	M127	Z	.2581	.2581	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	.8843	.8843	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	.8843	.8843	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	-.1237	-.1237	0	%100
2	M4	Z	.2143	.2143	0	%100
3	M10	X	-.314	-.314	0	%100
4	M10	Z	.5439	.5439	0	%100
5	M43	X	-.314	-.314	0	%100
6	M43	Z	.5439	.5439	0	%100
7	M46	X	-.6264	-.6264	0	%100
8	M46	Z	1.0849	1.0849	0	%100
9	M51B	X	-.3478	-.3478	0	%100
10	M51B	Z	.6024	.6024	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-.2088	-.2088	0	%100
14	M76	Z	.3616	.3616	0	%100
15	M77	X	-.638	-.638	0	%100
16	M77	Z	1.105	1.105	0	%100
17	M80	X	-.6719	-.6719	0	%100
18	M80	Z	1.1638	1.1638	0	%100
19	M84	X	-.2088	-.2088	0	%100
20	M84	Z	.3616	.3616	0	%100
21	M85	X	0	0	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	0	0	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	-.1237	-.1237	0	%100
26	M150A	Z	.2143	.2143	0	%100
27	M151A	X	-.314	-.314	0	%100
28	M151A	Z	.5439	.5439	0	%100
29	M152A	X	-.314	-.314	0	%100
30	M152A	Z	.5439	.5439	0	%100
31	M153A	X	-.6264	-.6264	0	%100
32	M153A	Z	1.0849	1.0849	0	%100
33	M156A	X	0	0	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	-.3478	-.3478	0	%100
36	M157A	Z	.6024	.6024	0	%100
37	M161A	X	-.2088	-.2088	0	%100
38	M161A	Z	.3616	.3616	0	%100
39	M162A	X	0	0	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	0	0	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	-.2088	-.2088	0	%100
44	M166A	Z	.3616	.3616	0	%100
45	M167A	X	-.638	-.638	0	%100
46	M167A	Z	1.105	1.105	0	%100
47	M169A	X	-.6719	-.6719	0	%100
48	M169A	Z	1.1638	1.1638	0	%100
49	M174A	X	-.4948	-.4948	0	%100
50	M174A	Z	.8571	.8571	0	%100
51	M175A	X	0	0	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	0	0	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	0	0	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	-.3478	-.3478	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
58	M180A	Z	.6024	.6024	0	%100
59	M181A	X	-.3478	-.3478	0	%100
60	M181A	Z	.6024	.6024	0	%100
61	M185A	X	-.8351	-.8351	0	%100
62	M185A	Z	1.4465	1.4465	0	%100
63	M186A	X	-.638	-.638	0	%100
64	M186A	Z	1.105	1.105	0	%100
65	M188A	X	-.6719	-.6719	0	%100
66	M188A	Z	1.1638	1.1638	0	%100
67	M190A	X	-.8351	-.8351	0	%100
68	M190A	Z	1.4465	1.4465	0	%100
69	M191A	X	-.638	-.638	0	%100
70	M191A	Z	1.105	1.105	0	%100
71	M193A	X	-.6719	-.6719	0	%100
72	M193A	Z	1.1638	1.1638	0	%100
73	M198A	X	-.3288	-.3288	0	%100
74	M198A	Z	.5695	.5695	0	%100
75	M199A	X	-.3288	-.3288	0	%100
76	M199A	Z	.5695	.5695	0	%100
77	M200A	X	0	0	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	-.2479	-.2479	0	%100
80	M201A	Z	.4294	.4294	0	%100
81	M202A	X	-.2479	-.2479	0	%100
82	M202A	Z	.4294	.4294	0	%100
83	M203A	X	0	0	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	-.2978	-.2978	0	%100
86	M210A	Z	.5158	.5158	0	%100
87	M211A	X	0	0	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	-.2978	-.2978	0	%100
90	M212A	Z	.5158	.5158	0	%100
91	MP1A	X	-.3306	-.3306	0	%100
92	MP1A	Z	.5726	.5726	0	%100
93	MP2A	X	-.3306	-.3306	0	%100
94	MP2A	Z	.5726	.5726	0	%100
95	MP3A	X	-.3306	-.3306	0	%100
96	MP3A	Z	.5726	.5726	0	%100
97	MP4A	X	-.3306	-.3306	0	%100
98	MP4A	Z	.5726	.5726	0	%100
99	MP1C	X	-.3306	-.3306	0	%100
100	MP1C	Z	.5726	.5726	0	%100
101	MP2C	X	-.3306	-.3306	0	%100
102	MP2C	Z	.5726	.5726	0	%100
103	MP3C	X	-.3306	-.3306	0	%100
104	MP3C	Z	.5726	.5726	0	%100
105	MP4C	X	-.3306	-.3306	0	%100
106	MP4C	Z	.5726	.5726	0	%100
107	MP1B	X	-.3306	-.3306	0	%100
108	MP1B	Z	.5726	.5726	0	%100
109	MP2B	X	-.3306	-.3306	0	%100
110	MP2B	Z	.5726	.5726	0	%100
111	MP3B	X	-.3306	-.3306	0	%100
112	MP3B	Z	.5726	.5726	0	%100
113	MP4B	X	-.3306	-.3306	0	%100
114	MP4B	Z	.5726	.5726	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
115	M127	X	-.2334	-.2334	0	%100
116	M127	Z	.4043	.4043	0	%100
117	M126	X	-.2334	-.2334	0	%100
118	M126	Z	.4043	.4043	0	%100
119	M128	X	-.5465	-.5465	0	%100
120	M128	Z	.9466	.9466	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M4	X	-.6428	-.6428	0	%100
2	M4	Z	.3711	.3711	0	%100
3	M10	X	-.1813	-.1813	0	%100
4	M10	Z	.1047	.1047	0	%100
5	M43	X	-.1813	-.1813	0	%100
6	M43	Z	.1047	.1047	0	%100
7	M46	X	-.3616	-.3616	0	%100
8	M46	Z	.2088	.2088	0	%100
9	M51B	X	-.8032	-.8032	0	%100
10	M51B	Z	.4637	.4637	0	%100
11	M52B	X	-.2008	-.2008	0	%100
12	M52B	Z	.1159	.1159	0	%100
13	M76	X	-1.0849	-1.0849	0	%100
14	M76	Z	.6264	.6264	0	%100
15	M77	X	-1.4733	-1.4733	0	%100
16	M77	Z	.8506	.8506	0	%100
17	M80	X	-1.5518	-1.5518	0	%100
18	M80	Z	.8959	.8959	0	%100
19	M84	X	-1.0849	-1.0849	0	%100
20	M84	Z	.6264	.6264	0	%100
21	M85	X	-.3683	-.3683	0	%100
22	M85	Z	.2127	.2127	0	%100
23	M91	X	-.3879	-.3879	0	%100
24	M91	Z	.224	.224	0	%100
25	M150A	X	0	0	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	-.7252	-.7252	0	%100
28	M151A	Z	.4187	.4187	0	%100
29	M152A	X	-.7252	-.7252	0	%100
30	M152A	Z	.4187	.4187	0	%100
31	M153A	X	-1.4465	-1.4465	0	%100
32	M153A	Z	.8351	.8351	0	%100
33	M156A	X	-.2008	-.2008	0	%100
34	M156A	Z	.1159	.1159	0	%100
35	M157A	X	-.2008	-.2008	0	%100
36	M157A	Z	.1159	.1159	0	%100
37	M161A	X	0	0	0	%100
38	M161A	Z	0	0	0	%100
39	M162A	X	-.3683	-.3683	0	%100
40	M162A	Z	.2127	.2127	0	%100
41	M164A	X	-.3879	-.3879	0	%100
42	M164A	Z	.224	.224	0	%100
43	M166A	X	0	0	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	-.3683	-.3683	0	%100
46	M167A	Z	.2127	.2127	0	%100
47	M169A	X	-.3879	-.3879	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
48	M169A	Z	.224	.224	0	%100
49	M174A	X	-.6428	-.6428	0	%100
50	M174A	Z	.3711	.3711	0	%100
51	M175A	X	-.1813	-.1813	0	%100
52	M175A	Z	.1047	.1047	0	%100
53	M176A	X	-.1813	-.1813	0	%100
54	M176A	Z	.1047	.1047	0	%100
55	M177A	X	-.3616	-.3616	0	%100
56	M177A	Z	.2088	.2088	0	%100
57	M180A	X	-.2008	-.2008	0	%100
58	M180A	Z	.1159	.1159	0	%100
59	M181A	X	-.8032	-.8032	0	%100
60	M181A	Z	.4637	.4637	0	%100
61	M185A	X	-1.0849	-1.0849	0	%100
62	M185A	Z	.6264	.6264	0	%100
63	M186A	X	-.3683	-.3683	0	%100
64	M186A	Z	.2127	.2127	0	%100
65	M188A	X	-.3879	-.3879	0	%100
66	M188A	Z	.224	.224	0	%100
67	M190A	X	-1.0849	-1.0849	0	%100
68	M190A	Z	.6264	.6264	0	%100
69	M191A	X	-1.4733	-1.4733	0	%100
70	M191A	Z	.8506	.8506	0	%100
71	M193A	X	-1.5518	-1.5518	0	%100
72	M193A	Z	.8959	.8959	0	%100
73	M198A	X	-.1898	-.1898	0	%100
74	M198A	Z	.1096	.1096	0	%100
75	M199A	X	-.7593	-.7593	0	%100
76	M199A	Z	.4384	.4384	0	%100
77	M200A	X	-.1898	-.1898	0	%100
78	M200A	Z	.1096	.1096	0	%100
79	M201A	X	-.1431	-.1431	0	%100
80	M201A	Z	.0826	.0826	0	%100
81	M202A	X	-.5726	-.5726	0	%100
82	M202A	Z	.3306	.3306	0	%100
83	M203A	X	-.1431	-.1431	0	%100
84	M203A	Z	.0826	.0826	0	%100
85	M210A	X	-.6877	-.6877	0	%100
86	M210A	Z	.397	.397	0	%100
87	M211A	X	-.1719	-.1719	0	%100
88	M211A	Z	.0993	.0993	0	%100
89	M212A	X	-.1719	-.1719	0	%100
90	M212A	Z	.0993	.0993	0	%100
91	MP1A	X	-.5726	-.5726	0	%100
92	MP1A	Z	.3306	.3306	0	%100
93	MP2A	X	-.5726	-.5726	0	%100
94	MP2A	Z	.3306	.3306	0	%100
95	MP3A	X	-.5726	-.5726	0	%100
96	MP3A	Z	.3306	.3306	0	%100
97	MP4A	X	-.5726	-.5726	0	%100
98	MP4A	Z	.3306	.3306	0	%100
99	MP1C	X	-.5726	-.5726	0	%100
100	MP1C	Z	.3306	.3306	0	%100
101	MP2C	X	-.5726	-.5726	0	%100
102	MP2C	Z	.3306	.3306	0	%100
103	MP3C	X	-.5726	-.5726	0	%100
104	MP3C	Z	.3306	.3306	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
105	MP4C	X	-.5726	-.5726	0	%100
106	MP4C	Z	.3306	.3306	0	%100
107	MP1B	X	-.5726	-.5726	0	%100
108	MP1B	Z	.3306	.3306	0	%100
109	MP2B	X	-.5726	-.5726	0	%100
110	MP2B	Z	.3306	.3306	0	%100
111	MP3B	X	-.5726	-.5726	0	%100
112	MP3B	Z	.3306	.3306	0	%100
113	MP4B	X	-.5726	-.5726	0	%100
114	MP4B	Z	.3306	.3306	0	%100
115	M127	X	-.7658	-.7658	0	%100
116	M127	Z	.4422	.4422	0	%100
117	M126	X	-.2235	-.2235	0	%100
118	M126	Z	.129	.129	0	%100
119	M128	X	-.7658	-.7658	0	%100
120	M128	Z	.4422	.4422	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	-.9896	-.9896	0	%100
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.6956	-.6956	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.6956	-.6956	0	%100
12	M52B	Z	0	0	0	%100
13	M76	X	-1.6703	-1.6703	0	%100
14	M76	Z	0	0	0	%100
15	M77	X	-1.2759	-1.2759	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	-1.3439	-1.3439	0	%100
18	M80	Z	0	0	0	%100
19	M84	X	-1.6703	-1.6703	0	%100
20	M84	Z	0	0	0	%100
21	M85	X	-1.2759	-1.2759	0	%100
22	M85	Z	0	0	0	%100
23	M91	X	-1.3439	-1.3439	0	%100
24	M91	Z	0	0	0	%100
25	M150A	X	-.2474	-.2474	0	%100
26	M150A	Z	0	0	0	%100
27	M151A	X	-.6281	-.6281	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	-.6281	-.6281	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	-1.2527	-1.2527	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	-.6956	-.6956	0	%100
34	M156A	Z	0	0	0	%100
35	M157A	X	0	0	0	%100
36	M157A	Z	0	0	0	%100
37	M161A	X	-.4176	-.4176	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
38	M161A	Z	0	0	0	%100
39	M162A	X	-1.2759	-1.2759	0	%100
40	M162A	Z	0	0	0	%100
41	M164A	X	-1.3439	-1.3439	0	%100
42	M164A	Z	0	0	0	%100
43	M166A	X	-.4176	-.4176	0	%100
44	M166A	Z	0	0	0	%100
45	M167A	X	0	0	0	%100
46	M167A	Z	0	0	0	%100
47	M169A	X	0	0	0	%100
48	M169A	Z	0	0	0	%100
49	M174A	X	-.2474	-.2474	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	-.6281	-.6281	0	%100
52	M175A	Z	0	0	0	%100
53	M176A	X	-.6281	-.6281	0	%100
54	M176A	Z	0	0	0	%100
55	M177A	X	-1.2527	-1.2527	0	%100
56	M177A	Z	0	0	0	%100
57	M180A	X	0	0	0	%100
58	M180A	Z	0	0	0	%100
59	M181A	X	-.6956	-.6956	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	-.4176	-.4176	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	0	0	0	%100
64	M186A	Z	0	0	0	%100
65	M188A	X	0	0	0	%100
66	M188A	Z	0	0	0	%100
67	M190A	X	-.4176	-.4176	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	-1.2759	-1.2759	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	-1.3439	-1.3439	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	0	0	0	%100
74	M198A	Z	0	0	0	%100
75	M199A	X	-.6576	-.6576	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	-.6576	-.6576	0	%100
78	M200A	Z	0	0	0	%100
79	M201A	X	0	0	0	%100
80	M201A	Z	0	0	0	%100
81	M202A	X	-.4959	-.4959	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	-.4959	-.4959	0	%100
84	M203A	Z	0	0	0	%100
85	M210A	X	-.5956	-.5956	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	-.5956	-.5956	0	%100
88	M211A	Z	0	0	0	%100
89	M212A	X	0	0	0	%100
90	M212A	Z	0	0	0	%100
91	MP1A	X	-.6612	-.6612	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	-.6612	-.6612	0	%100
94	MP2A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
95	MP3A	X	-.6612	-.6612	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-.6612	-.6612	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-.6612	-.6612	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-.6612	-.6612	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-.6612	-.6612	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-.6612	-.6612	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-.6612	-.6612	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-.6612	-.6612	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-.6612	-.6612	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-.6612	-.6612	0	%100
114	MP4B	Z	0	0	0	%100
115	M127	X	-1.093	-1.093	0	%100
116	M127	Z	0	0	0	%100
117	M126	X	-.4668	-.4668	0	%100
118	M126	Z	0	0	0	%100
119	M128	X	-.4668	-.4668	0	%100
120	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft,...
1	M4	X	-.6428	-.6428	0	%100
2	M4	Z	-.3711	-.3711	0	%100
3	M10	X	-.1813	-.1813	0	%100
4	M10	Z	-.1047	-.1047	0	%100
5	M43	X	-.1813	-.1813	0	%100
6	M43	Z	-.1047	-.1047	0	%100
7	M46	X	-.3616	-.3616	0	%100
8	M46	Z	-.2088	-.2088	0	%100
9	M51B	X	-.2008	-.2008	0	%100
10	M51B	Z	-.1159	-.1159	0	%100
11	M52B	X	-.8032	-.8032	0	%100
12	M52B	Z	-.4637	-.4637	0	%100
13	M76	X	-1.0849	-1.0849	0	%100
14	M76	Z	-.6264	-.6264	0	%100
15	M77	X	-.3683	-.3683	0	%100
16	M77	Z	-.2127	-.2127	0	%100
17	M80	X	-.3879	-.3879	0	%100
18	M80	Z	-.224	-.224	0	%100
19	M84	X	-1.0849	-1.0849	0	%100
20	M84	Z	-.6264	-.6264	0	%100
21	M85	X	-1.4733	-1.4733	0	%100
22	M85	Z	-.8506	-.8506	0	%100
23	M91	X	-1.5518	-1.5518	0	%100
24	M91	Z	-.8959	-.8959	0	%100
25	M150A	X	-.6428	-.6428	0	%100
26	M150A	Z	-.3711	-.3711	0	%100
27	M151A	X	-.1813	-.1813	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
28	M151A	Z	-.1047	-.1047	0	%100
29	M152A	X	-.1813	-.1813	0	%100
30	M152A	Z	-.1047	-.1047	0	%100
31	M153A	X	-.3616	-.3616	0	%100
32	M153A	Z	-.2088	-.2088	0	%100
33	M156A	X	-.8032	-.8032	0	%100
34	M156A	Z	-.4637	-.4637	0	%100
35	M157A	X	-.2008	-.2008	0	%100
36	M157A	Z	-.1159	-.1159	0	%100
37	M161A	X	-1.0849	-1.0849	0	%100
38	M161A	Z	-.6264	-.6264	0	%100
39	M162A	X	-1.4733	-1.4733	0	%100
40	M162A	Z	-.8506	-.8506	0	%100
41	M164A	X	-1.5518	-1.5518	0	%100
42	M164A	Z	-.8959	-.8959	0	%100
43	M166A	X	-1.0849	-1.0849	0	%100
44	M166A	Z	-.6264	-.6264	0	%100
45	M167A	X	-.3683	-.3683	0	%100
46	M167A	Z	-.2127	-.2127	0	%100
47	M169A	X	-.3879	-.3879	0	%100
48	M169A	Z	-.224	-.224	0	%100
49	M174A	X	0	0	0	%100
50	M174A	Z	0	0	0	%100
51	M175A	X	-.7252	-.7252	0	%100
52	M175A	Z	-.4187	-.4187	0	%100
53	M176A	X	-.7252	-.7252	0	%100
54	M176A	Z	-.4187	-.4187	0	%100
55	M177A	X	-1.4465	-1.4465	0	%100
56	M177A	Z	-.8351	-.8351	0	%100
57	M180A	X	-.2008	-.2008	0	%100
58	M180A	Z	-.1159	-.1159	0	%100
59	M181A	X	-.2008	-.2008	0	%100
60	M181A	Z	-.1159	-.1159	0	%100
61	M185A	X	0	0	0	%100
62	M185A	Z	0	0	0	%100
63	M186A	X	-.3683	-.3683	0	%100
64	M186A	Z	-.2127	-.2127	0	%100
65	M188A	X	-.3879	-.3879	0	%100
66	M188A	Z	-.224	-.224	0	%100
67	M190A	X	0	0	0	%100
68	M190A	Z	0	0	0	%100
69	M191A	X	-.3683	-.3683	0	%100
70	M191A	Z	-.2127	-.2127	0	%100
71	M193A	X	-.3879	-.3879	0	%100
72	M193A	Z	-.224	-.224	0	%100
73	M198A	X	-.1898	-.1898	0	%100
74	M198A	Z	-.1096	-.1096	0	%100
75	M199A	X	-.1898	-.1898	0	%100
76	M199A	Z	-.1096	-.1096	0	%100
77	M200A	X	-.7593	-.7593	0	%100
78	M200A	Z	-.4384	-.4384	0	%100
79	M201A	X	-.1431	-.1431	0	%100
80	M201A	Z	-.0826	-.0826	0	%100
81	M202A	X	-.1431	-.1431	0	%100
82	M202A	Z	-.0826	-.0826	0	%100
83	M203A	X	-.5726	-.5726	0	%100
84	M203A	Z	-.3306	-.3306	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
85	M210A	X	-.1719	-.1719	0	%100
86	M210A	Z	-.0993	-.0993	0	%100
87	M211A	X	-.6877	-.6877	0	%100
88	M211A	Z	-.397	-.397	0	%100
89	M212A	X	-.1719	-.1719	0	%100
90	M212A	Z	-.0993	-.0993	0	%100
91	MP1A	X	-.5726	-.5726	0	%100
92	MP1A	Z	-.3306	-.3306	0	%100
93	MP2A	X	-.5726	-.5726	0	%100
94	MP2A	Z	-.3306	-.3306	0	%100
95	MP3A	X	-.5726	-.5726	0	%100
96	MP3A	Z	-.3306	-.3306	0	%100
97	MP4A	X	-.5726	-.5726	0	%100
98	MP4A	Z	-.3306	-.3306	0	%100
99	MP1C	X	-.5726	-.5726	0	%100
100	MP1C	Z	-.3306	-.3306	0	%100
101	MP2C	X	-.5726	-.5726	0	%100
102	MP2C	Z	-.3306	-.3306	0	%100
103	MP3C	X	-.5726	-.5726	0	%100
104	MP3C	Z	-.3306	-.3306	0	%100
105	MP4C	X	-.5726	-.5726	0	%100
106	MP4C	Z	-.3306	-.3306	0	%100
107	MP1B	X	-.5726	-.5726	0	%100
108	MP1B	Z	-.3306	-.3306	0	%100
109	MP2B	X	-.5726	-.5726	0	%100
110	MP2B	Z	-.3306	-.3306	0	%100
111	MP3B	X	-.5726	-.5726	0	%100
112	MP3B	Z	-.3306	-.3306	0	%100
113	MP4B	X	-.5726	-.5726	0	%100
114	MP4B	Z	-.3306	-.3306	0	%100
115	M127	X	-.7658	-.7658	0	%100
116	M127	Z	-.4422	-.4422	0	%100
117	M126	X	-.7658	-.7658	0	%100
118	M126	Z	-.4422	-.4422	0	%100
119	M128	X	-.2235	-.2235	0	%100
120	M128	Z	-.129	-.129	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M4	X	-.1237	-.1237	0	%100
2	M4	Z	-.2143	-.2143	0	%100
3	M10	X	-.314	-.314	0	%100
4	M10	Z	-.5439	-.5439	0	%100
5	M43	X	-.314	-.314	0	%100
6	M43	Z	-.5439	-.5439	0	%100
7	M46	X	-.6264	-.6264	0	%100
8	M46	Z	-1.0849	-1.0849	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.3478	-.3478	0	%100
12	M52B	Z	-.6024	-.6024	0	%100
13	M76	X	-.2088	-.2088	0	%100
14	M76	Z	-.3616	-.3616	0	%100
15	M77	X	0	0	0	%100
16	M77	Z	0	0	0	%100
17	M80	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[...	Start Location[ft...	End Location[ft,...
18	M80	Z	0	0	0	%100
19	M84	X	-.2088	-.2088	0	%100
20	M84	Z	-.3616	-.3616	0	%100
21	M85	X	-.638	-.638	0	%100
22	M85	Z	-1.105	-1.105	0	%100
23	M91	X	-.6719	-.6719	0	%100
24	M91	Z	-1.1638	-1.1638	0	%100
25	M150A	X	-.4948	-.4948	0	%100
26	M150A	Z	-.8571	-.8571	0	%100
27	M151A	X	0	0	0	%100
28	M151A	Z	0	0	0	%100
29	M152A	X	0	0	0	%100
30	M152A	Z	0	0	0	%100
31	M153A	X	0	0	0	%100
32	M153A	Z	0	0	0	%100
33	M156A	X	-.3478	-.3478	0	%100
34	M156A	Z	-.6024	-.6024	0	%100
35	M157A	X	-.3478	-.3478	0	%100
36	M157A	Z	-.6024	-.6024	0	%100
37	M161A	X	-.8351	-.8351	0	%100
38	M161A	Z	-1.4465	-1.4465	0	%100
39	M162A	X	-.638	-.638	0	%100
40	M162A	Z	-1.105	-1.105	0	%100
41	M164A	X	-.6719	-.6719	0	%100
42	M164A	Z	-1.1638	-1.1638	0	%100
43	M166A	X	-.8351	-.8351	0	%100
44	M166A	Z	-1.4465	-1.4465	0	%100
45	M167A	X	-.638	-.638	0	%100
46	M167A	Z	-1.105	-1.105	0	%100
47	M169A	X	-.6719	-.6719	0	%100
48	M169A	Z	-1.1638	-1.1638	0	%100
49	M174A	X	-.1237	-.1237	0	%100
50	M174A	Z	-.2143	-.2143	0	%100
51	M175A	X	-.314	-.314	0	%100
52	M175A	Z	-.5439	-.5439	0	%100
53	M176A	X	-.314	-.314	0	%100
54	M176A	Z	-.5439	-.5439	0	%100
55	M177A	X	-.6264	-.6264	0	%100
56	M177A	Z	-1.0849	-1.0849	0	%100
57	M180A	X	-.3478	-.3478	0	%100
58	M180A	Z	-.6024	-.6024	0	%100
59	M181A	X	0	0	0	%100
60	M181A	Z	0	0	0	%100
61	M185A	X	-.2088	-.2088	0	%100
62	M185A	Z	-.3616	-.3616	0	%100
63	M186A	X	-.638	-.638	0	%100
64	M186A	Z	-1.105	-1.105	0	%100
65	M188A	X	-.6719	-.6719	0	%100
66	M188A	Z	-1.1638	-1.1638	0	%100
67	M190A	X	-.2088	-.2088	0	%100
68	M190A	Z	-.3616	-.3616	0	%100
69	M191A	X	0	0	0	%100
70	M191A	Z	0	0	0	%100
71	M193A	X	0	0	0	%100
72	M193A	Z	0	0	0	%100
73	M198A	X	-.3288	-.3288	0	%100
74	M198A	Z	-.5695	-.5695	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
75	M199A	X	0	0	0	%100
76	M199A	Z	0	0	0	%100
77	M200A	X	-.3288	-.3288	0	%100
78	M200A	Z	-.5695	-.5695	0	%100
79	M201A	X	-.2479	-.2479	0	%100
80	M201A	Z	-.4294	-.4294	0	%100
81	M202A	X	0	0	0	%100
82	M202A	Z	0	0	0	%100
83	M203A	X	-.2479	-.2479	0	%100
84	M203A	Z	-.4294	-.4294	0	%100
85	M210A	X	0	0	0	%100
86	M210A	Z	0	0	0	%100
87	M211A	X	-.2978	-.2978	0	%100
88	M211A	Z	-.5158	-.5158	0	%100
89	M212A	X	-.2978	-.2978	0	%100
90	M212A	Z	-.5158	-.5158	0	%100
91	MP1A	X	-.3306	-.3306	0	%100
92	MP1A	Z	-.5726	-.5726	0	%100
93	MP2A	X	-.3306	-.3306	0	%100
94	MP2A	Z	-.5726	-.5726	0	%100
95	MP3A	X	-.3306	-.3306	0	%100
96	MP3A	Z	-.5726	-.5726	0	%100
97	MP4A	X	-.3306	-.3306	0	%100
98	MP4A	Z	-.5726	-.5726	0	%100
99	MP1C	X	-.3306	-.3306	0	%100
100	MP1C	Z	-.5726	-.5726	0	%100
101	MP2C	X	-.3306	-.3306	0	%100
102	MP2C	Z	-.5726	-.5726	0	%100
103	MP3C	X	-.3306	-.3306	0	%100
104	MP3C	Z	-.5726	-.5726	0	%100
105	MP4C	X	-.3306	-.3306	0	%100
106	MP4C	Z	-.5726	-.5726	0	%100
107	MP1B	X	-.3306	-.3306	0	%100
108	MP1B	Z	-.5726	-.5726	0	%100
109	MP2B	X	-.3306	-.3306	0	%100
110	MP2B	Z	-.5726	-.5726	0	%100
111	MP3B	X	-.3306	-.3306	0	%100
112	MP3B	Z	-.5726	-.5726	0	%100
113	MP4B	X	-.3306	-.3306	0	%100
114	MP4B	Z	-.5726	-.5726	0	%100
115	M127	X	-.2334	-.2334	0	%100
116	M127	Z	-.4043	-.4043	0	%100
117	M126	X	-.5465	-.5465	0	%100
118	M126	Z	-.9466	-.9466	0	%100
119	M128	X	-.2334	-.2334	0	%100
120	M128	Z	-.4043	-.4043	0	%100

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M51B	Y	-1.6652	-4.2261	0	.8323
2	M51B	Y	-4.2261	-6.9007	.8323	1.6647
3	M51B	Y	-6.9007	-8.1894	1.6647	2.497
4	M51B	Y	-8.1894	-6.5435	2.497	3.3294
5	M51B	Y	-6.5435	-3.4629	3.3294	4.1617
6	M52B	Y	-3.4693	-6.5776	0	.8323
7	M52B	Y	-6.5776	-8.2555	.8323	1.6647

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
8	M52B	Y	-8.2555	-7.0414	1.6647	2.497
9	M52B	Y	-7.0414	-4.4293	2.497	3.3294
10	M52B	Y	-4.4293	-1.8808	3.3294	4.1617
11	M156A	Y	-1.6652	-4.2261	0	.8323
12	M156A	Y	-4.2261	-6.9007	.8323	1.6647
13	M156A	Y	-6.9007	-8.1894	1.6647	2.497
14	M156A	Y	-8.1894	-6.5435	2.497	3.3294
15	M156A	Y	-6.5435	-3.4629	3.3294	4.1617
16	M157A	Y	-3.4693	-6.5776	0	.8323
17	M157A	Y	-6.5776	-8.2555	.8323	1.6647
18	M157A	Y	-8.2555	-7.0414	1.6647	2.497
19	M157A	Y	-7.0414	-4.4293	2.497	3.3294
20	M157A	Y	-4.4293	-1.8808	3.3294	4.1617
21	M180A	Y	-1.8845	-4.4261	0	.8323
22	M180A	Y	-4.4261	-7.0444	.8323	1.6647
23	M180A	Y	-7.0444	-8.2604	1.6647	2.497
24	M180A	Y	-8.2604	-6.5732	2.497	3.3294
25	M180A	Y	-6.5732	-3.4616	3.3294	4.1617
26	M181A	Y	-3.4631	-6.5445	0	.8323
27	M181A	Y	-6.5445	-8.1886	.8323	1.6647
28	M181A	Y	-8.1886	-6.9018	1.6647	2.497
29	M181A	Y	-6.9018	-4.2283	2.497	3.3294
30	M181A	Y	-4.2283	-1.6614	3.3294	4.1617

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M51B	Y	-4.8035	-12.1905	0	.8323
2	M51B	Y	-12.1905	-19.906	.8323	1.6647
3	M51B	Y	-19.906	-23.6234	1.6647	2.497
4	M51B	Y	-23.6234	-18.8756	2.497	3.3294
5	M51B	Y	-18.8756	-9.9892	3.3294	4.1617
6	M52B	Y	-10.0076	-18.9737	0	.8323
7	M52B	Y	-18.9737	-23.814	.8323	1.6647
8	M52B	Y	-23.814	-20.3118	1.6647	2.497
9	M52B	Y	-20.3118	-12.7767	2.497	3.3294
10	M52B	Y	-12.7767	-5.4255	3.3294	4.1617
11	M156A	Y	-4.8035	-12.1905	0	.8323
12	M156A	Y	-12.1905	-19.906	.8323	1.6647
13	M156A	Y	-19.906	-23.6234	1.6647	2.497
14	M156A	Y	-23.6234	-18.8756	2.497	3.3294
15	M156A	Y	-18.8756	-9.9892	3.3294	4.1617
16	M157A	Y	-10.0076	-18.9737	0	.8323
17	M157A	Y	-18.9737	-23.814	.8323	1.6647
18	M157A	Y	-23.814	-20.3118	1.6647	2.497
19	M157A	Y	-20.3118	-12.7767	2.497	3.3294
20	M157A	Y	-12.7767	-5.4255	3.3294	4.1617
21	M180A	Y	-5.4359	-12.7676	0	.8323
22	M180A	Y	-12.7676	-20.3203	.8323	1.6647
23	M180A	Y	-20.3203	-23.8281	1.6647	2.497
24	M180A	Y	-23.8281	-18.9612	2.497	3.3294
25	M180A	Y	-18.9612	-9.9855	3.3294	4.1617
26	M181A	Y	-9.9898	-18.8785	0	.8323
27	M181A	Y	-18.8785	-23.6209	.8323	1.6647
28	M181A	Y	-23.6209	-19.9091	1.6647	2.497
29	M181A	Y	-19.9091	-12.197	2.497	3.3294
30	M181A	Y	-12.197	-4.7924	3.3294	4.1617

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft...
1	M51B	Y	-.0746	-.1894	0	.8323
2	M51B	Y	-.1894	-.3092	.8323	1.6647
3	M51B	Y	-.3092	-.3669	1.6647	2.497
4	M51B	Y	-.3669	-.2932	2.497	3.3294
5	M51B	Y	-.2932	-.1552	3.3294	4.1617
6	M52B	Y	-.1555	-.2947	0	.8323
7	M52B	Y	-.2947	-.3699	.8323	1.6647
8	M52B	Y	-.3699	-.3155	1.6647	2.497
9	M52B	Y	-.3155	-.1985	2.497	3.3294
10	M52B	Y	-.1985	-.0843	3.3294	4.1617
11	M156A	Y	-.0746	-.1894	0	.8323
12	M156A	Y	-.1894	-.3092	.8323	1.6647
13	M156A	Y	-.3092	-.3669	1.6647	2.497
14	M156A	Y	-.3669	-.2932	2.497	3.3294
15	M156A	Y	-.2932	-.1552	3.3294	4.1617
16	M157A	Y	-.1555	-.2947	0	.8323
17	M157A	Y	-.2947	-.3699	.8323	1.6647
18	M157A	Y	-.3699	-.3155	1.6647	2.497
19	M157A	Y	-.3155	-.1985	2.497	3.3294
20	M157A	Y	-.1985	-.0843	3.3294	4.1617
21	M180A	Y	-.0844	-.1983	0	.8323
22	M180A	Y	-.1983	-.3156	.8323	1.6647
23	M180A	Y	-.3156	-.3701	1.6647	2.497
24	M180A	Y	-.3701	-.2945	2.497	3.3294
25	M180A	Y	-.2945	-.1551	3.3294	4.1617
26	M181A	Y	-.1552	-.2932	0	.8323
27	M181A	Y	-.2932	-.3669	.8323	1.6647
28	M181A	Y	-.3669	-.3093	1.6647	2.497
29	M181A	Y	-.3093	-.1895	2.497	3.3294
30	M181A	Y	-.1895	-.0744	3.3294	4.1617

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft...	End Location[ft...
1	M51B	Z	-.1864	-.473	0	.8323
2	M51B	Z	-.473	-.7724	.8323	1.6647
3	M51B	Z	-.7724	-.9166	1.6647	2.497
4	M51B	Z	-.9166	-.7324	2.497	3.3294
5	M51B	Z	-.7324	-.3876	3.3294	4.1617
6	M52B	Z	-.3883	-.7362	0	.8323
7	M52B	Z	-.7362	-.924	.8323	1.6647
8	M52B	Z	-.924	-.7881	1.6647	2.497
9	M52B	Z	-.7881	-.4957	2.497	3.3294
10	M52B	Z	-.4957	-.2105	3.3294	4.1617
11	M156A	Z	-.1864	-.473	0	.8323
12	M156A	Z	-.473	-.7724	.8323	1.6647
13	M156A	Z	-.7724	-.9166	1.6647	2.497
14	M156A	Z	-.9166	-.7324	2.497	3.3294
15	M156A	Z	-.7324	-.3876	3.3294	4.1617
16	M157A	Z	-.3883	-.7362	0	.8323
17	M157A	Z	-.7362	-.924	.8323	1.6647
18	M157A	Z	-.924	-.7881	1.6647	2.497
19	M157A	Z	-.7881	-.4957	2.497	3.3294
20	M157A	Z	-.4957	-.2105	3.3294	4.1617
21	M180A	Z	-.2109	-.4954	0	.8323
22	M180A	Z	-.4954	-.7884	.8323	1.6647
23	M180A	Z	-.7884	-.9245	1.6647	2.497

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
24	M180A	Z	-.9245	-.7357	2.497	3.3294
25	M180A	Z	-.7357	-.3874	3.3294	4.1617
26	M181A	Z	-.3876	-.7325	0	.8323
27	M181A	Z	-.7325	-.9165	.8323	1.6647
28	M181A	Z	-.9165	-.7725	1.6647	2.497
29	M181A	Z	-.7725	-.4732	2.497	3.3294
30	M181A	Z	-.4732	-.1859	3.3294	4.1617

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

	Member Label	Direction	Start Magnitude...	End Magnitude[l...	Start Location[ft,...	End Location[ft,...
1	M51B	X	.1864	.473	0	.8323
2	M51B	X	.473	.7724	.8323	1.6647
3	M51B	X	.7724	.9166	1.6647	2.497
4	M51B	X	.9166	.7324	2.497	3.3294
5	M51B	X	.7324	.3876	3.3294	4.1617
6	M52B	X	.3883	.7362	0	.8323
7	M52B	X	.7362	.924	.8323	1.6647
8	M52B	X	.924	.7881	1.6647	2.497
9	M52B	X	.7881	.4957	2.497	3.3294
10	M52B	X	.4957	.2105	3.3294	4.1617
11	M156A	X	.1864	.473	0	.8323
12	M156A	X	.473	.7724	.8323	1.6647
13	M156A	X	.7724	.9166	1.6647	2.497
14	M156A	X	.9166	.7324	2.497	3.3294
15	M156A	X	.7324	.3876	3.3294	4.1617
16	M157A	X	.3883	.7362	0	.8323
17	M157A	X	.7362	.924	.8323	1.6647
18	M157A	X	.924	.7881	1.6647	2.497
19	M157A	X	.7881	.4957	2.497	3.3294
20	M157A	X	.4957	.2105	3.3294	4.1617
21	M180A	X	.2109	.4954	0	.8323
22	M180A	X	.4954	.7884	.8323	1.6647
23	M180A	X	.7884	.9245	1.6647	2.497
24	M180A	X	.9245	.7357	2.497	3.3294
25	M180A	X	.7357	.3874	3.3294	4.1617
26	M181A	X	.3876	.7325	0	.8323
27	M181A	X	.7325	.9165	.8323	1.6647
28	M181A	X	.9165	.7725	1.6647	2.497
29	M181A	X	.7725	.4732	2.497	3.3294
30	M181A	X	.4732	.1859	3.3294	4.1617

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.0052
2	N250A	N252A	N228A	N227A	Y	Two Way	-.0052
3	N279A	N281A	N257A	N256A	Y	Two Way	-.0052

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.015
2	N250A	N252A	N228A	N227A	Y	Two Way	-.015
3	N279A	N281A	N257A	N256A	Y	Two Way	-.015

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Y	Two Way	-.000233
2	N250A	N252A	N228A	N227A	Y	Two Way	-.000233
3	N279A	N281A	N257A	N256A	Y	Two Way	-.000233

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	Z	Two Way	-.000582
2	N250A	N252A	N228A	N227A	Z	Two Way	-.000582
3	N279A	N281A	N257A	N256A	Z	Two Way	-.000582

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87C	N87B	N7	N6	X	Two Way	.000582
2	N250A	N252A	N228A	N227A	X	Two Way	.000582
3	N279A	N281A	N257A	N256A	X	Two Way	.000582

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	L...	MZ [k-ft]	LC
1	N3	...	781.017	10	1056.237	19	6182.611	1	1.341	19	1.084	4	.292	22
2		...	-790.021	4	252.167	1	-3334.368	7	.406	1	-1.097	10	-.048	4
3	N225A	...	5264.401	9	1036.073	15	1575.303	3	-.045	7	1.058	12	-.346	10
4		...	-2874.438	3	226.94	9	-2941.065	9	-.684	37	-1.067	6	-1.255	16
5	N254A	...	2840.709	11	1043.674	23	1754.222	11	-.176	7	1.02	8	1.048	22
6		...	-5249.134	5	245.461	5	-3160.742	5	-1.146	25	-1.028	2	.291	4
7	N188	...	41.484	10	1645.244	1	1100.951	7	0	75	0	4	0	10
8		...	-41.65	4	-427.937	7	-4065.49	1	0	1	0	10	0	4
9	N187	...	966.597	3	1614.272	9	1993.994	9	0	6	0	48	0	48
10		...	-3453.592	9	-434.027	3	-558.129	3	0	48	0	6	0	6
11	N190	...	3478.934	5	1626	5	2008.885	5	0	8	0	8	0	8
12		...	-963.617	11	-432.603	11	-556.179	11	0	26	0	26	0	26
13	Totals:	...	4282.729	10	6632.967	24	4354.312	1						
14		...	-4282.732	4	2236.477	68	-4354.309	7						

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

	Member	Shape	Code Check	Lo...	LC	Shear Check	Lo.....		LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn...	Cb	Eqn
1	M4	HSS4X4X4	.111	0	4	.052	4....	y	11	124657...	139518	16.181	16.181	3.039	H1-...
2	M10	HSS4X4X4	.090	2....	20	.036	2....	y	19	136263...	139518	16.181	16.181	1.724	H1-...
3	M43	HSS4X4X4	.081	0	18	.026	2....	z	1	136263...	139518	16.181	16.181	1.676	H1-...
4	M46	PL1/2x6	.181	.516	1	.095	.516	y	11	66009.2...	97200	1.012	12.15	1.231	H1-...
5	M51B	L2x2x3	.127	0	2	.012	4....	y	17	9823.122	23392.8	.558	1.119	1.368	H2-1
6	M52B	L2x2x3	.128	4....	12	.013	4....	y	21	9823.122	23392.8	.558	1.135	1.462	H2-1
7	M76	PL3/8x6	.273	0	4	.091	0	y	6	70647.0...	72900	.57	9.113	1.252	H1-...
8	M77	PL3/8x6	.201	.167	7	.173	0	y	18	71583.5...	72900	.57	9.113	1.952	H1-...
9	M80	PL1/2x6	.061	.112	7	.199	0	y	12	96757.5...	97200	1.012	12.15	2.18	H1-...
10	M84	PL3/8x6	.222	0	10	.162	0	y	20	70647.0...	72900	.57	9.113	1.97	H1-...
11	M85	PL3/8x6	.222	.167	7	.142	0	y	19	71583.5...	72900	.57	9.113	1.215	H1-...
12	M91	PL1/2x6	.067	.112	1	.170	0	y	2	96757.5...	97200	1.012	12.15	1.443	H1-...
13	M150A	HSS4X4X4	.107	0	12	.057	4....	y	47	124657...	139518	16.181	16.181	3.054	H1-...
14	M151A	HSS4X4X4	.088	2....	16	.034	2....	y	15	136263...	139518	16.181	16.181	1.725	H1-...
15	M152A	HSS4X4X4	.079	0	14	.025	2....	z	9	136263...	139518	16.181	16.181	1.678	H1-...
16	M153A	PL1/2x6	.173	.516	9	.106	.516	y	48	66009.2...	97200	1.012	12.15	1.229	H1-...
17	M156A	L2x2x3	.124	0	10	.012	4....	y	13	9823.122	23392.8	.558	1.119	1.368	H2-1
18	M157A	L2x2x3	.126	4....	8	.013	0	y	17	9823.122	23392.8	.558	1.135	1.462	H2-1

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

	Member	Shape	Code Check	Lo...	LC	Shear Check	Lo.....		LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn...	Cb	Eqn
19	M161A	PL3/8x6	.256	0	12	.092	0	y	2	70647.0...	72900	.57	9.113	1.264	H1-...
20	M162A	PL3/8x6	.195	.167	3	.168	0	y	14	71583.5...	72900	.57	9.113	1.748	H1-...
21	M164A	PL1/2x6	.060	.112	3	.194	0	y	8	96757.5...	97200	1.012	12.15	2.189	H1-...
22	M166A	PL3/8x6	.213	0	6	.157	0	y	16	70647.0...	72900	.57	9.113	1.907	H1-...
23	M167A	PL3/8x6	.213	.167	3	.139	0	y	15	71583.5...	72900	.57	9.113	1.22	H1-...
24	M169A	PL1/2x6	.065	.112	9	.199	0	y	46	96757.5...	97200	1.012	12.15	1.451	H1-...
25	M174A	HSS4X4X4	.107	4....	5	.073	0	y	25	124657...	139518	16.181	16.181	3.35	H1-...
26	M175A	HSS4X4X4	.089	2....	24	.037	2....	y	35	136263....	139518	16.181	16.181	1.726	H1-...
27	M176A	HSS4X4X4	.081	0	16	.025	2....	z	5	136263...	139518	16.181	16.181	1.655	H1-...
28	M177A	PL1/2x6	.177	.516	5	.089	.516	y	3	66009.2...	97200	1.012	12.15	1.224	H1-...
29	M180A	L2x2x3	.129	0	6	.012	4....	y	21	9823.122	23392.8	.558	1.135	1.463	H2-1
30	M181A	L2x2x3	.123	4....	4	.013	0	y	13	9823.122	23392.8	.558	1.119	1.368	H2-1
31	M185A	PL3/8x6	.247	0	8	.095	0	y	10	70647.0...	72900	.57	9.113	1.272	H1-...
32	M186A	PL3/8x6	.203	.167	11	.187	0	y	34	71583.5...	72900	.57	9.113	1.683	H1-...
33	M188A	PL1/2x6	.060	.112	11	.191	0	y	4	96757.5...	97200	1.012	12.15	2.212	H1-...
34	M190A	PL3/8x6	.217	0	2	.161	0	y	24	70647.0...	72900	.57	9.113	1.962	H1-...
35	M191A	PL3/8x6	.219	.167	11	.142	0	y	23	71583.5...	72900	.57	9.113	1.217	H1-...
36	M193A	PL1/2x6	.067	.112	5	.172	0	y	6	96757.5...	97200	1.012	12.15	1.46	H1-...
37	M198A	PIPE_3.0	.137	8....	10	.087	7....		9	28250.5...	65205	5.749	5.749	3.998	H1-...
38	M199A	PIPE_3.0	.142	8....	6	.091	8....		2	28250.5...	65205	5.749	5.749	3.983	H1-...
39	M200A	PIPE_3.0	.140	8....	2	.089	8....		10	28250.5...	65205	5.749	5.749	4.019	H1-...
40	M201A	PIPE_2.0	.388	1....	5	.235	10...		6	6295.422	32130	1.872	1.872	3.516	H1-...
41	M202A	PIPE_2.0	.488	8....	3	.263	10...		3	6295.422	32130	1.872	1.872	2.275	H3-6
42	M203A	PIPE_2.0	.436	1....	9	.230	10...		10	6295.422	32130	1.872	1.872	3.55	H1-...
43	M210A	L2.5x2.5x4	.517	1....	11	.095	0	y	6	36444.04	38556	1.114	2.537	1.951	H2-1
44	M211A	L2.5x2.5x4	.522	1....	7	.094	0	y	2	36444.04	38556	1.114	2.537	1.951	H2-1
45	M212A	L2.5x2.5x4	.595	1....	3	.097	0	y	10	36444.04	38556	1.114	2.537	1.877	H2-1
46	MP1A	PIPE_2.0X	.330	6	5	.222	2.5		7	19844.8...	44100	2.531	2.531	2.222	H1-...
47	MP2A	PIPE_2.0X	.336	6	10	.158	6		5	19844.8...	44100	2.531	2.531	1.86	H1-...
48	MP3A	PIPE_2.0X	.348	6	10	.121	6		8	19844.8...	44100	2.531	2.531	2.114	H1-...
49	MP4A	PIPE_2.0X	.311	6	9	.195	2.5		7	19844.8...	44100	2.531	2.531	2.235	H1-...
50	MP1C	PIPE_2.0X	.342	6	12	.252	2.5		3	19844.8...	44100	2.531	2.531	1.984	H1-...
51	MP2C	PIPE_2.0X	.343	6	6	.162	6		1	19844.8...	44100	2.531	2.531	1.804	H1-...
52	MP3C	PIPE_2.0X	.360	6	6	.135	6		4	19844.8...	44100	2.531	2.531	2.039	H1-...
53	MP4C	PIPE_2.0X	.319	6	5	.214	2.5		3	19844.8...	44100	2.531	2.531	1.537	H1-...
54	MP1B	PIPE_2.0X	.338	6	9	.222	2.5		11	19844.8...	44100	2.531	2.531	1.735	H1-...
55	MP2B	PIPE_2.0X	.345	6	2	.166	6		9	19844.8...	44100	2.531	2.531	1.826	H1-...
56	MP3B	PIPE_2.0X	.355	6	2	.123	6		12	19844.8...	44100	2.531	2.531	2.244	H1-...
57	MP4B	PIPE_2.0X	.314	6	1	.195	2.5		11	19844.8...	44100	2.531	2.531	2.031	H1-...
58	M127	LL2.5x2.5...	.099	0	1	.005	0	z	10	44409.9...	58320	3.954	2.55	1	H1-...
59	M126	LL2.5x2.5...	.097	0	9	.005	4....	z	6	44409.9...	58320	3.954	2.55	1	H1-...
60	M128	LL2.5x2.5...	.098	0	5	.005	0	z	2	44409.9...	58320	3.954	2.55	1	H1-...

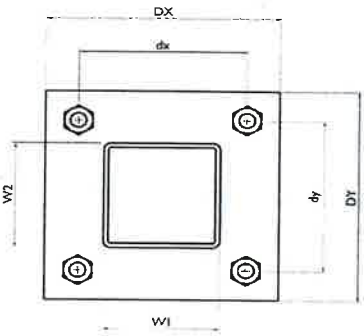
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/21/2023
Site Name:	DEEP RIVER WEST CT		
MDG #:	5000247497		
Fuze ID #:	17123765	Page:	1

Version 1.01

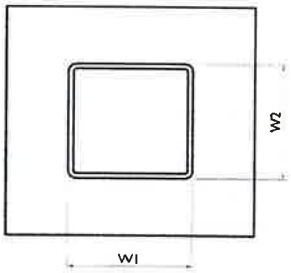
I. Mount-to-Tower Connection Check

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



Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)*:	6
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	6
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	2.3
Required Shear Strength / bolt (kips):	0.4
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	11.3%

Tower Connection Baseplate Checks	Yes



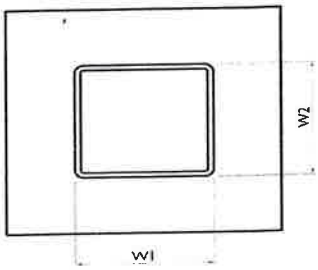
Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	8
Plate Height, D_y (in):	8
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.75
Length of Yield Line, L_y (in):	5.85
Bolt Eccentricity, e (in):	1.65
M_u (kip-in):	3.86
Phi*M_n (kip-in):	26.65
Plate Bending Utilization:	14.5%

VzW SMART Tool© Vendor

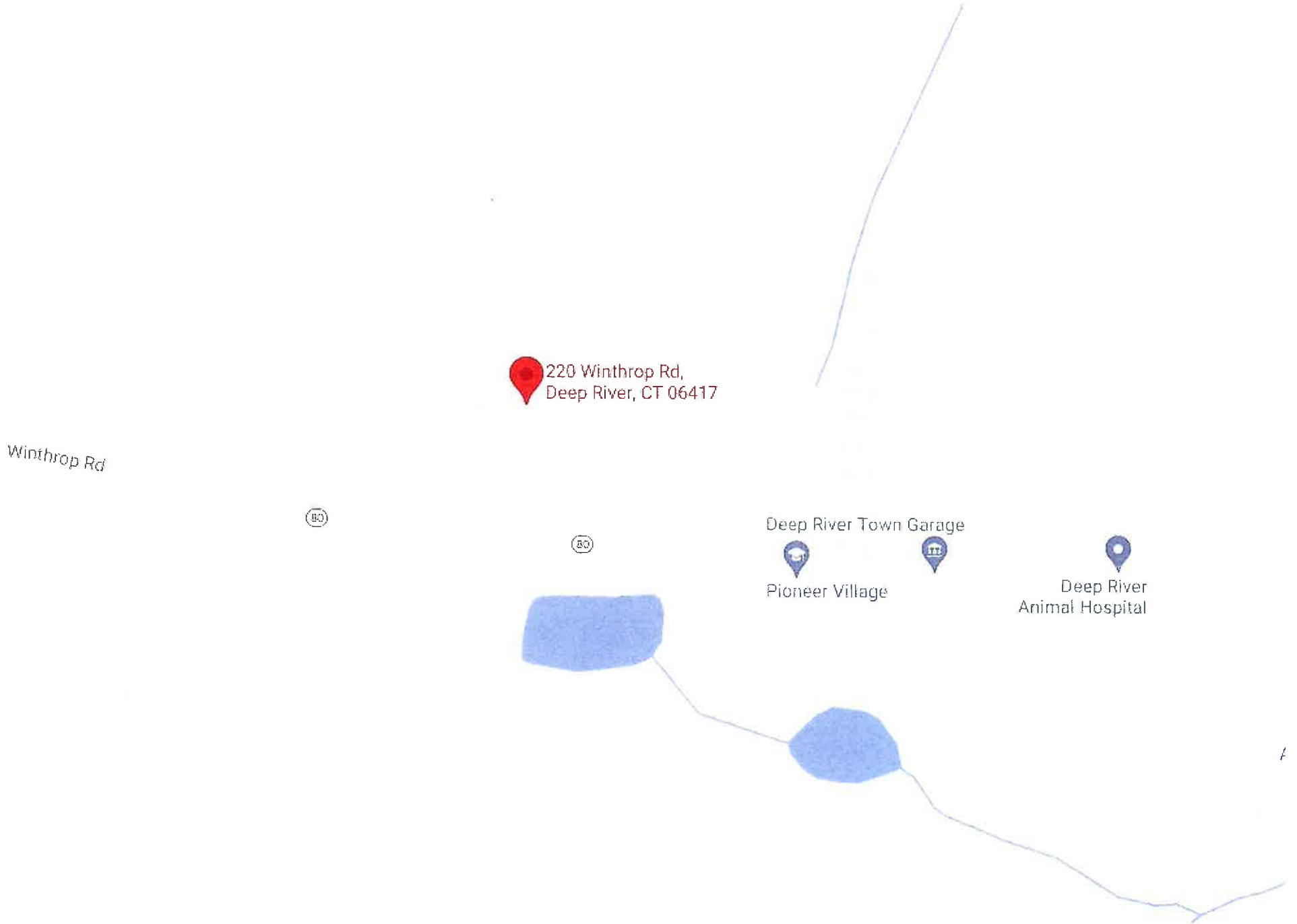
Client:	Verizon Wireless	Date:	7/21/2023
Site Name:	DEEP RIVER WEST CT		
MDG #:	5000247497		
Fuze ID #:	17123765	Page:	2
			Version 1.01

Tower Connection Weld Checks

	Yes
Weld Shape:	**Rectangle**
Weld Stiffener Configuration:	**None**
Weld Size (1/16 in):	**6**
W1 (in):	**4**
W2 (in):	**4**
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	0.73
Weld Capacity (kip/in):	8.35
Weld Utilization:	**8.8%**



ATTACHMENT 4


220 Winthrop Rd,
Deep River, CT 06417
Winthrop Rd
80
80
Deep River Town Garage
Pioneer Village
Deep River
Animal Hospital

DEEP RIVER,CT

220 WINTHROP RD

Location
220 WINTHROP RD
Mblu
33/ / 1A/ /
Acct#
00047000
Owner
TOWN OF DEEP RIVER
Assessment
$229,250
Appraisal
$327,500
PID
546
Building Count
1

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2020	$180,300	$147,200	$327,500

Assessment

Valuation Year	Improvements	Land	Total

2020	$126,210	$103,040	$229,250

Parcel Addreses

Additional Addresses

No Additional Addresses available for this parcel

Owner of Record

Owner TOWN OF DEEP RIVER
Co-Owner
Address 174 MAIN ST
DEEP RIVER, CT 06417
Sale Price $0
Certificate
Book & Page 0093/0797
Sale Date 12/27/1977

Ownership History

Ownership History

Owner	Sale Price	Certificate	Book & Page	Sale Date
TOWN OF DEEP RIVER	$0		0093/0797	12/27/1977

Building Information
Building 1 : Section 1
Year Built: 1979
Living Area: 247

Building Attributes

Field	Description
Style:	Commercial
Model	Commercial
Grade	Average
Stories:	1
Occupancy	1.00

ATTACHMENT 5

Verizon/Deep River West

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	2	2	neopost 08/02/2023 US POSTAGE $003.19⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Angus McDonald, Jr., First Selectman Town of Deep River 174 Main Street Deep River, CT 06417				
2.	John Guszkowski, Co Zoning Enforcement Officer Town of Deep River 174 Main Street Deep River, CT 06417				
3.					
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 AUG 2 - 2023 USPS

See Reverse for Instructions