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August 7, 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**
56 Roper Road (a.k.a. 548 Green Hollow Road), Plainfield, 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 December of 2000 (TS-VER-109-001214). A copy of the Council's tower share approval is included in Attachment 1.

Cellco's proposed modification involves the installation of four (4) 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 Plainfield's Chief Elected Official and Land Use Officer.

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

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

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

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

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

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

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

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Kevin Cunningham, First Selectman
Mary Ann Chinatti, Town Planner
Tilcon Inc., Property Owner
Kamoya Bautista, Verizon Wireless

ATTACHMENT 1

December 22, 2000

Sandy M. Carter
Verizon Wireless
20 Alexander Drive
P.O. Box 5029
Wallingford, CT 06492

RE: **TS-VER-109-001214** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 548 Green Hollow Road, Plainfield, Connecticut.

Dear Ms. Carter:

At a public meeting held December 19, 2000, 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. This facility has also 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.

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

This decision applies only to this request for tower sharing and is not applicable to any other request or construction.

The proposed shared use is to be implemented as specified in your letter dated December 14, 2000.

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/laf

c: Honorable Paul E. Sweet, First Selectman, Town of Plainfield
Esther McNany, SBA, Inc.
Julie M. Cashin, Esq.
J. Brendan Sharkey, VoiceStream Wireless Corporation
Ronald C. Clark, Nextel Communications
Peter W. van Wilgen, Springwich Cellular Limited Partnership

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

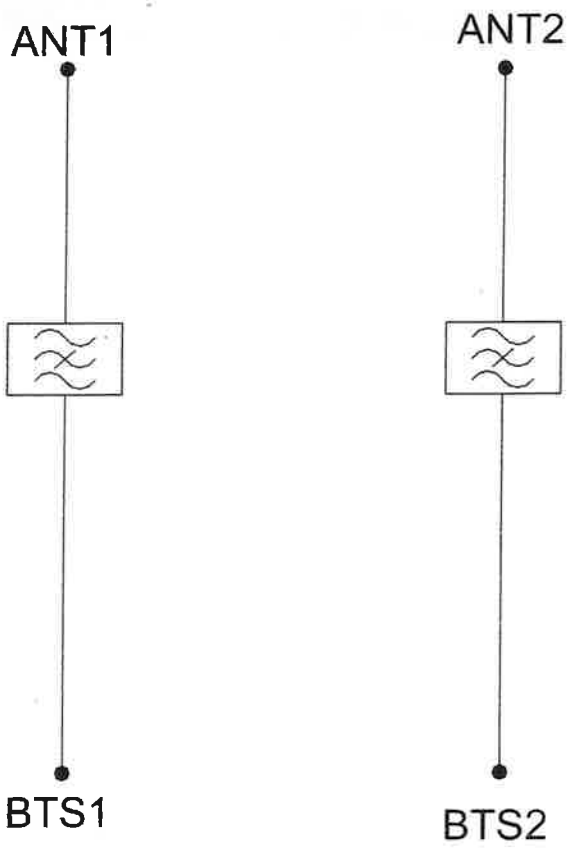
ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20°C to +60°C | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection 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

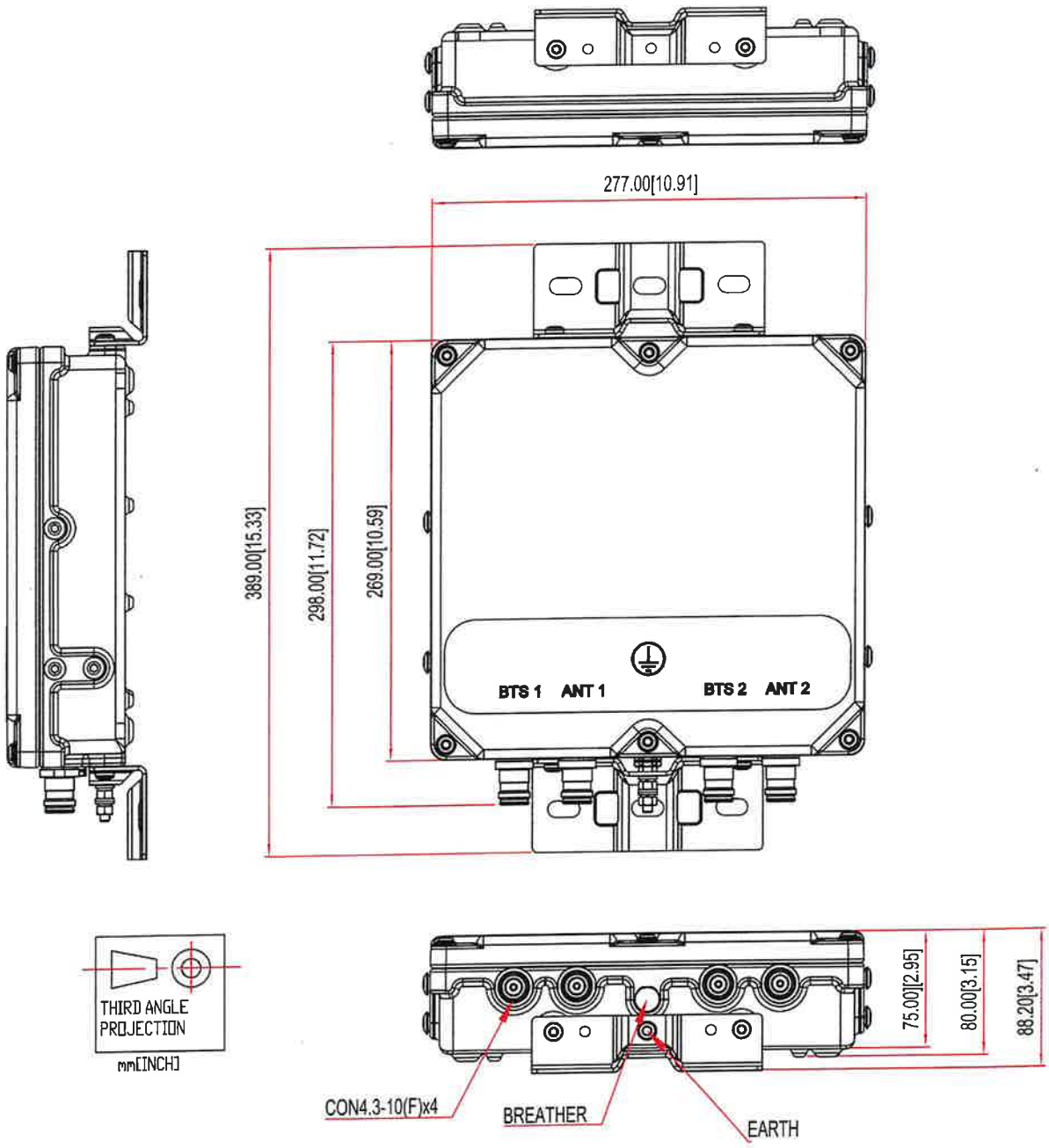
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

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 3907 1200 | www.kaelus.com

ATTACHMENT 3

SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487-1307

T + 561 995 7670
F + 561 995 7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 5000051187/Plainfield N CT
Application #: 232393, v2

SBA Site ID / Name: CT00594-S / Plainfield North

178 ft Monopole

56 Roper Road
Plainfield, Connecticut 06354
Lat: 41.746003, Long: -71.880158

Project number: CT00594-VZW-070723

Analysis Results

Tower	84.4%	Pass
Foundation	81.0%	Pass

Change in tower stress due to mount modification / replacement	N/A

Prepared by:

Liliana Noda Vazquez
Structural Engineer I
561-981-9964
Lvazquez@sbasite.com

Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
561-984-7390
SShanubhogue@sbasite.com

July 10, 2023

07/10/23

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 178 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	Valmont, Project No F138, Dated 09-14-1998.
Foundation Mapping	FDH Engineering, Inc., Project No 1207132EN1, Dated 08-16-2012.
Geotechnical report	Jaworski Geotech, Inc., Project No C98326G, Dated 07-23-1998.
Mount Analysis	Colliers Engineering & Design CT, PC Project #: 23777040, Dated 07/06/2023.
Modification drawings	TES, Job No 18414, Dated 11-25-2015.
Latest SA	SBA, Project No. CT00594-ATT-060623, Dated 06/13/2023.

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/Windham/Plainfield
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	123.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00"
Risk Category	II
Exposure Category	B
Topographic Category	1
Crest Height	0 ft
Ground Elevation	305.56 ft.
Seismic Parameter S_s	0.186
Seismic Parameter 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.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
-	175.0	-	-	Low Profile Platform	-	Abandoned
1	165.0	3	Kathrein 782 11056	Low Profile Platform w/ Handrails &Reinforcement Kit [PRK-1245 & PRK-SFS]	(4) 1.9" Fiber (6) 1 5/8"	T-Mobile
2		3	Ericsson AIR6419 B41 - Panel			
3		3	Ericsson 4460 B25 + B66			
4		3	RFS APXVAALL24-43-U-NA20 - Panel			
5		6	Ericsson KRY 112 489/2			
6		3	Ericsson 4449 B71 + B85 -			
7	155.0	4	Cci OPA65R-BU8DA - Panel	Low Profile Platform w/ Handrails + Sector Frame Stabilizer [Site Pro PRKSFS + Site Pro PRK-1245]	(12) 1 5/8" (1) 1/2" (1) 3" Flex Conduit [Housing: (2) 3/4" DC Power (1) 7/16" Fiber]	AT&T
8		2	Cci OPA65R-BU4DA - Panel			
9		3	Ericsson 4449 B5/B12			
10		3	Ericcson 8843 B2/B66A			
11		1	Raycap DC6-48-60-18-8F			
12		1	Nokia CS72188.01 LMU*			
13	152.5	1	Raycap DC2-48-60-18-8F	Ring Mount	-	-
14		6	Ericsson RRUS11 RRUs			
15	145.0	3	APXVTM14-C-I20 - Panel	Platform w/ Handrails and Reinforcement Kits [SitePro PRK-1245L + PRk-SFS-H-L + V-Brace Kit]	(4) 1-1/4" Fiber	T-Mobile Sprint
16		3	NNVV-65B-R4 - Panel			
17		3	ALU 1900 Mhz- RRUs			
18		6	ALU 800 Mhz- RRUs			
19		3	ALU TD-RRH8x20-25- RRUs			
20	135.0	3	JMA Wireless MX08FRO665-21 Panel	Low Profile Platform w/ Handrail [Commscope MC-PK8-DSH]	(1) 1.6" Hybrid	Dish Wireless
21		3	Fujitsu TA08025-B605 RRU			
22		3	Fujitsu TA08025-B604 RRU			
23		1	Raycap RDIDC-9181-PF-48 OVP			
24	126.0	1	Lucent KS-24019 GPS	Low Profile Platform + [(3) JMA 91900314-02 (15) VZWSMART-MSK1 (1) VZWSMART-PLK7 (1) VZWSMART-PLK5 (3) L3x3x1/4 (3) P2 1/2 STD (6) HSS 3x2 1/2x1/4]	(11) 1 5/8" (2) 1 5/8" Fiber (1) 1/2"	Verizon
25	125.0	6	JMA Wireless MX06FRO660-03 - Panel			
26		3	Samsung MT6407-77A - Panel			
27		3	Samsung RF4439d-25A			
28		3	Samsung RF4440d-13A			
29		6	Antel LPA-80080-4CF-EDIN-0 - Panel			
30		2	RFS DB-T1-6Z-8AB-0Z			

** Omni elevation not currently determined, but included at carrier elevation for consideration.*

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232393, v2 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	126.0	1	Lucent KS-24019 GPS	Low Profile Platform + [(3) JMA 91900314-02 (15) VZWSMART-MSK1 (1) VZWSMART-PLK7 (1) VZWSMART-PLK5 (3) L3x3x1/4 (3) P2 1/2 STD (6) HSS 3x2 1/2x1/4]	(11) 1 5/8" (2) 1 5/8" Fiber (1) 1/2"	Verizon
2	125.0	6	JMA Wireless MX06FRO660-03 - Panel			
3		3	Samsung MT6407-77A - Panel			
4		3	Samsung RF4439d-25A			
5		3	Samsung RF4440d-13A			
6		6	Antel LPA-80080-4CF-EDIN-0 - Panel			
7		2	RFS DB-T1-6Z-8AB-0Z			
8		4	Kaelus BSF0020F3V1-1			

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	84.4%	72.1%	51.6%
Pass/Fail	Pass	Pass	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	81.0%	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***sufficient*** to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

Appendix

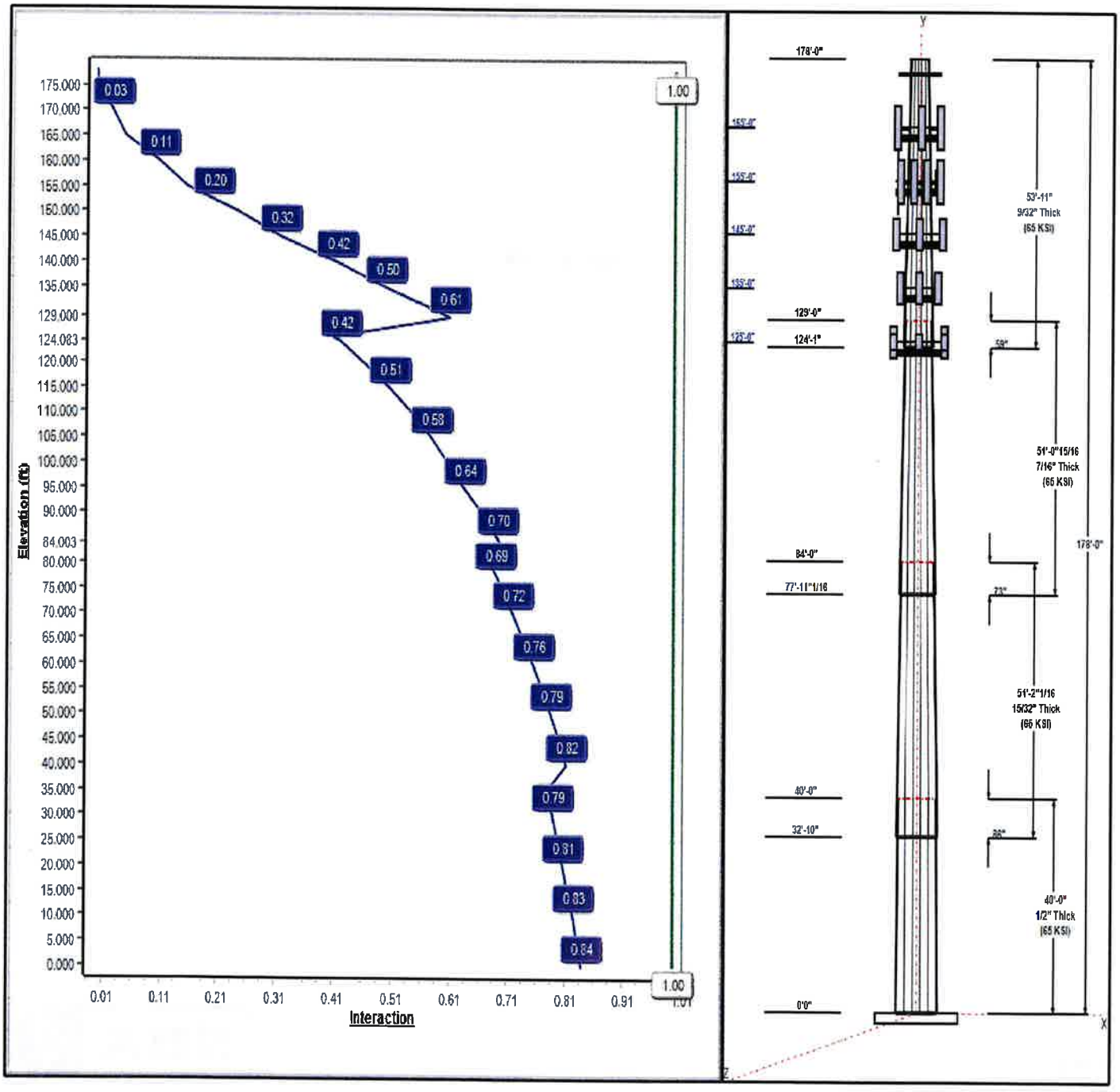
Usage Diagram - Max Ratio 84.39% at 0.0ft

Structure:	CT00594-S	**Code:**	EIA/TIA-222-H	7/10/2023
Site Name:	Plainfield North	**Exposure:**	B	
Height:	178.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

SBA

Dead Load Factor:	1.20	**Iterations:**	25
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 123 mph Wind



Structure: CT00594-S

Type: Tapered
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 12 Sided
Taper: 0.22997

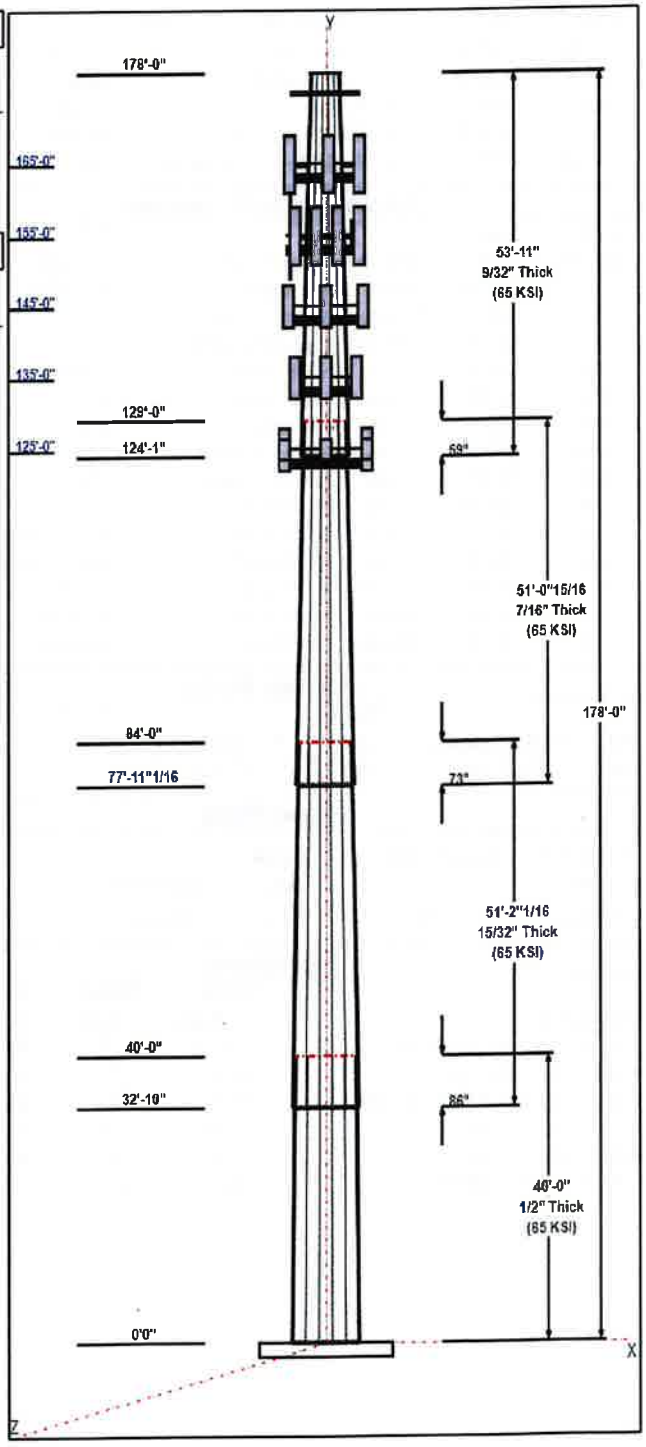
7/10/2023

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	40.00	49.05	58.25	0.500		0.22997	65
2	51.17	39.87	51.64	0.469	Slip	0.22997	65
3	51.08	30.40	42.14	0.438	Slip	0.22997	65
4	53.92	19.69	32.09	0.281	Slip	0.22997	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
175.00	175.00	1	Abandoned Mount	
175.00	175.00	9	Exposed Mount Pipes	
165.00	165.00	3	Kathrein 782 11056	T-Mobile
165.00	165.00	3	Reinf. Kit (SitePro1	T-Mobile
165.00	165.00	3	Ericsson AIR6419 B41	T-Mobile
165.00	165.00	3	Ericsson 4460 B25 + B66	T-Mobile
165.00	165.00	1	Platform w/ Hand Rails	T-Mobile
165.00	165.00	3	RFS	T-Mobile
165.00	165.00	6	Ericsson KRY 112 489/2	T-Mobile
165.00	165.00	3	Ericsson 4449 B71 + B85	T-Mobile
165.00	165.00	1	(3) SFS-H-L (V-Braces)	T-Mobile
155.00	155.00	1	Platform w/ Hand Rails	AT&T
155.00	155.00	1	(3) Stabilizer Kit (12' FW)	AT&T
155.00	155.00	3	(3) 12.5' - 2" Horizontal	AT&T
155.00	155.00	1	PRK-1245 (kicker kit)	AT&T
155.00	155.00	4	Cci OPA65R-BU8DA	AT&T
155.00	155.00	2	Cci OPA65R-BU4DA	AT&T
155.00	155.00	3	Ericsson 4449 B5/B12	AT&T
155.00	155.00	3	Ericcson 8843 B2/B66A	AT&T
155.00	155.00	1	Raycap DC6-48-60-18-8F	AT&T
155.00	155.00	1	Nokia CS72188.01 LMU	AT&T
155.00	155.00	12	Exposed Mount Pipes	AT&T
152.50	152.50	1	Raycap DC2-48-60-18-8F	---
152.50	152.50	1	Ring Mount (Part No	---
152.50	152.50	6	Ericsson RRUS11 RRUs	---
145.00	145.00	1	Platform w/ Hand Rails	Sprint/T-Mobile
145.00	145.00	3	APXVTM14-C-I20	Sprint/T-Mobile
145.00	145.00	3	NNVV-65B-R4	Sprint/T-Mobile
145.00	145.00	1	(3) SFS-H-L (V-Braces)	Sprint/T-Mobile
145.00	145.00	1	PRK-1245 (kicker kit)	Sprint/T-Mobile
145.00	145.00	3	ALU 1900 Mhz- RRUs	Sprint/T-Mobile
145.00	145.00	6	ALU 800 Mhz- RRUs	Sprint/T-Mobile
145.00	145.00	3	ALU TD-RRH8x20-25-	Sprint/T-Mobile
145.00	145.00	12	Exposed Mount Pipes	Sprint/T-Mobile
135.00	135.00	3	JMA Wireless	Dish Wireless
135.00	135.00	1	Platform w/ Handrails	Dish Wireless
135.00	135.00	3	Fujitsu TA08025-B605	Dish Wireless
135.00	135.00	3	Fujitsu TA08025-B604	Dish Wireless
135.00	135.00	1	Raycap	Dish Wireless
125.00	126.00	1	Lucent KS-24019 GPS	Verizon
125.00	125.00	1	Low Profile Platform	Verizon
125.00	125.00	6	JMA Wireless	Verizon
125.00	125.00	3	Samsung MT6407-77A	Verizon
125.00	125.00	3	Samsung RF4439d-25A	Verizon
125.00	125.00	3	Samsung RF4440d-13A	Verizon



125.00	125.00	1	Handrail Kit (P2 1/2 STD)	Verizon
125.00	125.00	1	VZWSMART	Verizon
125.00	125.00	1	VZWSMART	Verizon
125.00	125.00	6	Antel	Verizon
125.00	125.00	4	BSF0020F3V1-1	Verizon
125.00	125.00	2	RFS DB-T1-6Z-8AB-0Z	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	165.00	Inside	1.9" Fiber	T-Mobile
0.00	165.00	Outside	Safety Cable	
0.00	165.00	Outside	Step bolts (ladder)	
3.00	165.00	Inside	1 5/8" Coax	T-Mobile
3.00	155.00	Inside	1 5/8" Coax	AT&T
3.00	155.00	Inside	1/2" Coax	AT&T
3.00	155.00	Inside	3" Flex Conduit	AT&T
3.00	155.00	Inside	3/4" DC Power	AT&T
3.00	155.00	Inside	7/16" Fiber	AT&T
3.00	145.00	Inside	1-1/4" Fiber	Sprint Nextel
3.00	135.00	Inside	1.6" Hybrid	Dish Wireless
3.00	125.00	Outside	1 5/8" Coax	Verizon
3.00	125.00	Outside	1 5/8" Fiber	Verizon
3.00	125.00	Outside	1/2" Coax	Verizon

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
24	2.25" 18J	75.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	72.8	60.0	Polygon

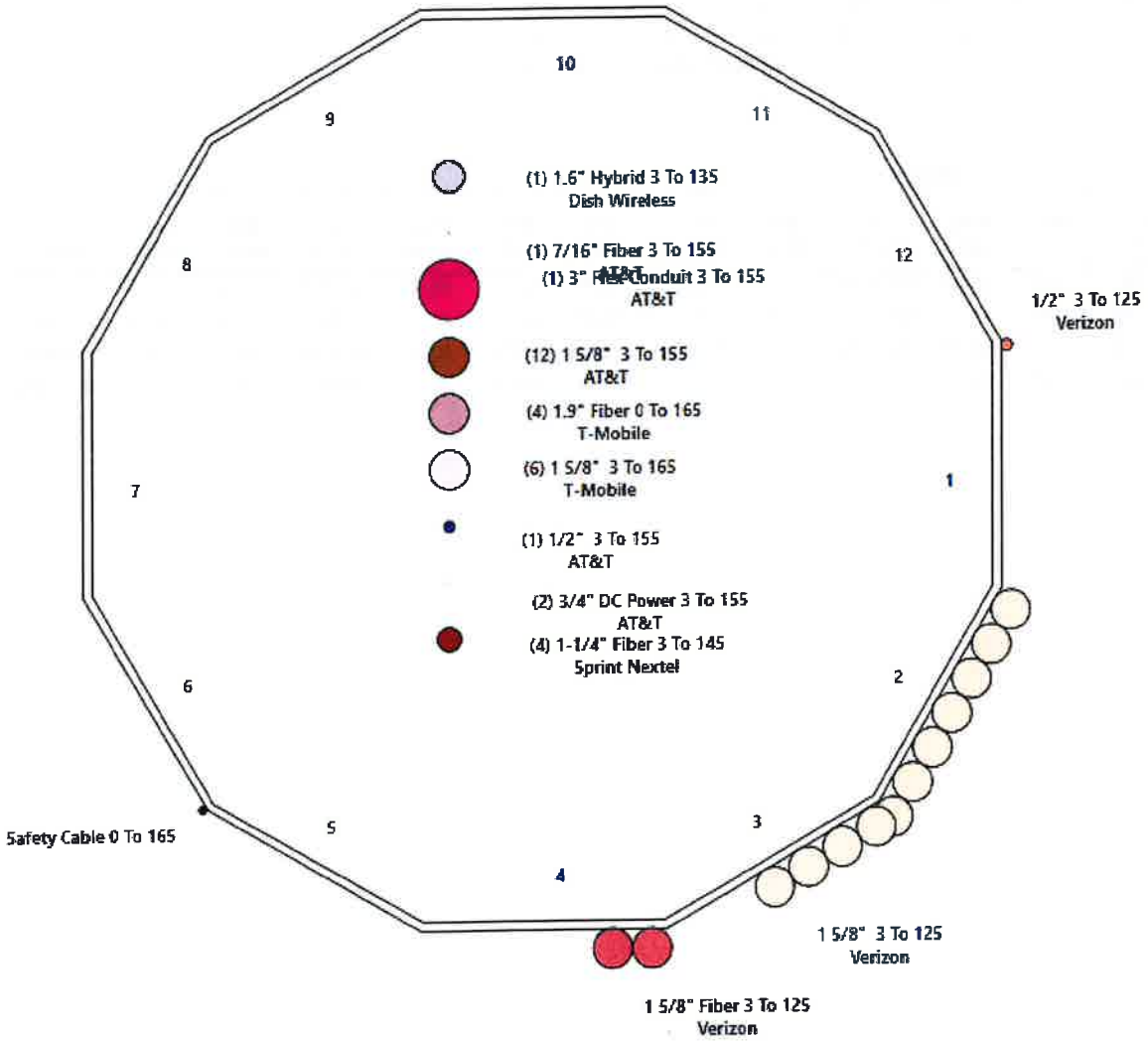
Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 123 mph Wind	5972.5	47.1	73.8
0.9D + 1.0W 123 mph Wind	5879.2	47.1	55.3
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1392.7	10.6	98.0
1.2D + 1.0Ev + 1.0Eh	124.1	0.8	76.4
0.9D + 1.0Ev + 1.0Eh	122.3	0.8	57.8
1.0D + 1.0W 60 mph Wind	1261.1	10.0	61.6

Structure: CT00594-S - Coax Line Placement

Type: Monopole
Site Name: Plainfield North
Height: 178.00 (ft)

7/10/2023



Shaft Properties

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	12	40.000	0.5000	65		0.00	11,647
2	12	51.170	0.4688	65	Slip	86.00	11,901
3	12	51.080	0.4375	65	Slip	73.00	8,774
4	12	53.917	0.2813	65	Slip	59.00	4,255
					Total Shaft Weight:		**36,577**

	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	58.25	0.00	92.98	39579.27	29.07	116.50	49.05	40.00	78.17	23518.5	24.14	98.10	0.229972
2	51.64	32.83	77.23	25809.44	27.37	110.16	39.87	84.00	59.47	11783.7	20.65	85.05	0.229972
3	42.14	77.92	58.75	13043.76	23.67	96.33	30.40	129.00	42.20	4834.88	16.47	69.48	0.229972
4	32.09	124.0	28.81	3720.03	28.43	114.10	19.69	178.00	17.58	845.14	16.62	70.01	0.229972

Load Summary

Structure:	CT00594-S		**Code:**	TIA-222-H	7/10/2023
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (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

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	175.00	Abandoned Mount	1	1122.00	28.50	1.00	2076.50	45.337	1.00	0.00	0.00
2	175.00	Exposed Mount Pipes	9	30.00	1.90	1.00	51.27	2.574	1.00	0.00	0.00
3	165.00	Kathrein 782 11056	3	1.80	0.13	0.78	3.47	0.327	0.78	0.00	0.00
4	165.00	Reinf. Kit (SitePro1 PRK-1245)	3	95.00	3.50	0.75	223.42	8.880	0.75	0.00	0.00
5	165.00	Ericsson AIR6419 B41	3	66.10	3.80	0.76	130.85	4.336	0.76	0.00	0.00
6	165.00	Ericsson 4460 B25 + B66	3	109.00	2.85	0.67	157.40	3.304	0.67	0.00	0.00
7	165.00	Platform w/ Hand Rails	1	2000.00	40.00	1.00	3409.54	54.095	1.00	0.00	0.00
8	165.00	RFS APXVAALL24-43-U-NA20	3	122.80	20.24	0.70	399.00	21.503	0.70	0.00	0.00
9	165.00	Ericsson KRY 112 489/2	6	15.40	0.65	0.67	27.26	1.062	0.67	0.00	0.00
10	165.00	Ericsson 4449 B71 + B85	3	71.00	1.97	0.67	106.93	2.338	0.67	0.00	0.00
11	165.00	(3) SFS-H-L (V-Braces)	1	230.00	6.70	1.00	446.13	11.422	1.00	0.00	0.00
12	155.00	Platform w/ Hand Rails	1	1122.00	28.50	1.00	1907.83	38.480	1.00	0.00	0.00
13	155.00	(3) Stabilizer Kit (12' FW)	1	180.00	6.10	1.00	331.28	10.372	1.00	0.00	0.00
14	155.00	(3) 12.5' - 2" Horizontal Pipe	3	137.25	5.94	1.00	226.97	10.928	1.00	0.00	0.00
15	155.00	PRK-1245 (kicker kit)	1	464.91	9.50	1.00	681.99	16.154	1.00	0.00	0.00
16	155.00	Cci OPA65R-BU8DA	4	76.50	11.47	0.86	252.45	12.584	0.87	0.00	0.00
17	155.00	Cci OPA65R-BU4DA	2	52.50	8.44	0.71	186.56	9.248	0.72	0.00	0.00
18	155.00	Ericsson 4449 B5/B12	3	71.00	1.97	0.86	437.32	2.346	0.87	0.00	0.00
19	155.00	Ericcson 8843 B2/B66A	3	72.00	1.73	0.86	104.11	2.081	0.87	0.00	0.00
20	155.00	Raycap DC6-48-60-18-8F	1	32.80	2.20	1.00	80.02	2.620	1.00	0.00	0.00
21	155.00	Nokia CS72188.01 LMU	1	0.31	0.17	1.00	0.57	0.269	1.00	0.00	0.00
22	155.00	Exposed Mount Pipes	12	30.00	1.53	1.00	51.01	2.066	1.00	0.00	0.00
23	152.50	Raycap DC2-48-60-18-8F	1	32.80	1.47	1.00	74.08	1.937	1.00	0.00	0.00
24	152.50	Ring Mount (Part No LWRM)	1	150.00	5.00	1.00	233.91	7.331	1.00	0.00	0.00
25	152.50	Ericsson RRUS11 RRUs	6	51.00	3.26	0.67	101.92	4.116	0.67	0.00	0.00
26	145.00	Platform w/ Hand Rails	1	1500.00	28.50	1.00	2543.59	38.414	1.00	0.00	0.00
27	145.00	APXVTM14-C-I20	3	56.20	6.34	0.77	155.65	7.064	0.77	0.00	0.00
28	145.00	NNVV-65B-R4	3	77.40	12.27	0.74	267.13	13.238	0.74	0.00	0.00
29	145.00	(3) SFS-H-L (V-Braces)	1	230.00	6.70	1.00	443.36	11.361	1.00	0.00	0.00
30	145.00	PRK-1245 (kicker kit)	1	464.91	9.50	1.00	680.54	16.109	1.00	0.00	0.00
31	145.00	ALU 1900 Mhz- RRUs	3	60.00	2.77	0.67	115.44	3.613	0.67	0.00	0.00
32	145.00	ALU 800 Mhz- RRUs	6	53.00	2.49	0.67	102.14	3.250	0.67	0.00	0.00
33	145.00	ALU TD-RRH8x20-25- RRUs	3	70.00	4.05	0.67	138.36	4.576	0.67	0.00	0.00
34	145.00	Exposed Mount Pipes	12	30.00	1.57	1.00	55.05	2.480	1.00	0.00	0.00
35	135.00	JMA Wireless MX08FRO665-21	3	64.50	12.49	0.74	256.38	13.456	0.74	0.00	0.00
36	135.00	Platform w/ Handrails [MC-PK8-DSH]	1	1727.00	37.59	1.00	2840.43	68.749	1.00	0.00	0.00
37	135.00	Fujitsu TA08025-B605	3	75.00	1.96	0.67	109.50	2.330	0.67	0.00	0.00
38	135.00	Fujitsu TA08025-B604	3	63.90	1.96	0.67	97.30	2.330	0.67	0.00	0.00
39	135.00	Raycap RDIDC-9181-PF-48	1	21.85	2.01	1.00	56.90	2.385	1.00	0.00	0.00
40	125.00	Lucent KS-24019 GPS	1	4.00	1.00	1.00	21.70	1.341	1.00	0.00	1.00
41	125.00	Low Profile Platform w/Mods	1	1200.00	25.00	1.00	1885.47	38.709	1.00	0.00	0.00
42	125.00	JMA Wireless MX06FRO660-03	6	60.00	9.87	0.87	223.80	10.745	0.88	0.00	0.00
43	125.00	Samsung MT6407-77A	3	87.10	4.70	0.70	160.54	5.291	0.71	0.00	0.00
44	125.00	Samsung RF4439d-25A	3	74.70	1.87	0.80	106.86	2.225	0.82	0.00	0.00
45	125.00	Samsung RF4440d-13A	3	70.33	1.87	0.80	102.50	2.225	0.82	0.00	0.00
46	125.00	Handrail Kit (P2 1/2 STD)	1	261.72	6.75	1.00	465.04	11.069	1.00	0.00	0.00
47	125.00	VZWSMART VZWSMART-PLK5	1	464.91	9.50	1.00	677.37	16.012	1.00	0.00	0.00
48	125.00	VZWSMART	1	150.60	2.50	1.00	288.24	4.214	1.00	0.00	0.00
49	125.00	Antel LPA-80080-4CF-EDIN-0	6	12.00	2.61	0.74	96.00	2.917	0.76	0.00	0.00
50	125.00	BSF0020F3V1-1	4	17.60	0.96	0.84	32.83	1.220	1.00	0.00	0.00

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)
51	125.00	RFS DB-T1-6Z-8AB-0Z	2	44.00	4.80	0.85	119.36	5.355	0.86	0.00	0.00
		Totals:	**152**	**18,402.85**			**35,835.58**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	165.00	(4) 1.9" Fiber	0.00	Inside
0.00	165.00	(1) Safety Cable	0.38	Outside
0.00	165.00	(1) Step bolts (ladder)	0.63	Outside
3.00	165.00	(6) 1 5/8" Coax	0.00	Inside
3.00	155.00	(12) 1 5/8" Coax	0.00	Inside
3.00	155.00	(1) 1/2" Coax	0.00	Inside
3.00	155.00	(1) 3" Flex Conduit	0.00	Inside
3.00	155.00	(2) 3/4" DC Power	0.00	Inside
3.00	155.00	(1) 7/16" Fiber	0.00	Inside
3.00	145.00	(4) 1-1/4" Fiber	0.00	Inside
3.00	135.00	(1) 1.6" Hybrid	0.00	Inside
3.00	125.00	(11) 1 5/8" Coax	3.96	Outside
3.00	125.00	(2) 1 5/8" Fiber	0.00	Outside
3.00	125.00	(1) 1/2" Coax	0.50	Outside

Shaft Section Properties

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Increment Length: 5 (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		0.5000	58.250	92.978	39579.3	29.07	116.50	73.0	1312.	0.0
5.00		0.5000	57.100	91.126	37261.8	28.46	114.20	73.7	1260.	1566.2
10.00		0.5000	55.950	89.275	35036.7	27.84	111.90	74.4	1209.	1534.7
15.00		0.5000	54.800	87.424	32901.9	27.22	109.60	75.0	1159.	1503.2
20.00		0.5000	53.651	85.572	30855.7	26.61	107.30	75.7	1111.	1471.7
25.00		0.5000	52.501	83.721	28896.1	25.99	105.00	76.4	1063.	1440.2
30.00		0.5000	51.351	81.870	27021.3	25.38	102.70	77.0	1016.	1408.7
32.83	Bot - Section 2	0.5000	50.699	80.821	25995.8	25.03	101.40	77.4	990.5	784.3
35.00		0.5000	50.201	80.019	25229.4	24.76	100.40	77.7	970.9	1159.5
40.00	Top - Section 1	0.4688	49.989	74.744	23394.9	26.43	106.64	0.0	0.0	2632.1
45.00		0.4688	48.839	73.008	21802.8	25.77	104.19	76.6	862.4	1256.9
50.00		0.4688	47.689	71.273	20284.5	25.12	101.74	77.3	821.7	1227.4
55.00		0.4688	46.539	69.537	18838.5	24.46	99.28	78.0	782.0	1197.9
60.00		0.4688	45.389	67.802	17462.8	23.80	96.83	78.8	743.3	1168.3
65.00		0.4688	44.239	66.066	16155.9	23.14	94.38	79.5	705.5	1138.8
70.00		0.4688	43.089	64.331	14915.8	22.49	91.92	80.2	668.7	1109.3
75.00		0.4688	41.940	62.595	13740.8	21.83	89.47	80.9	632.9	1079.8
77.92	Bot - Section 3	0.4688	41.268	61.582	13084.1	21.45	88.04	81.3	612.5	616.9
80.00		0.4688	40.790	60.860	12629.2	21.17	87.02	81.6	598.1	846.8
84.00	Top - Section 2	0.4375	40.744	56.782	11774.7	22.81	93.13	0.0	0.0	1601.9
85.00		0.4375	40.515	56.459	11574.9	22.67	92.61	80.0	551.9	192.0
90.00		0.4375	39.365	54.839	10606.9	21.97	89.98	80.8	520.5	946.8
95.00		0.4375	38.215	53.219	9694.5	21.26	87.35	81.5	490.1	919.2
100.00		0.4375	37.065	51.599	8835.9	20.56	84.72	81.9	460.5	891.7
105.00		0.4375	35.915	49.980	8029.6	19.85	82.09	81.9	431.9	864.1
110.00		0.4375	34.766	48.360	7273.9	19.15	79.46	81.9	404.2	836.6
115.00		0.4375	33.616	46.740	6567.2	18.44	76.84	81.9	377.4	809.0
120.00		0.4375	32.466	45.120	5907.8	17.74	74.21	81.9	351.5	781.4
124.08	Bot - Section 4	0.4375	31.527	43.797	5403.2	17.17	72.06	81.9	331.1	617.7
125.00		0.4375	31.316	43.500	5294.1	17.04	71.58	81.9	326.6	225.7
129.00	Top - Section 3	0.2813	30.959	27.782	3337.3	27.35	110.08	0.0	0.0	967.1
130.00		0.2813	30.729	27.574	3262.8	27.13	109.26	75.1	205.1	94.2
135.00		0.2813	29.579	26.533	2906.9	26.04	105.17	76.3	189.9	460.3
140.00		0.2813	28.429	25.491	2577.9	24.94	101.08	77.5	175.2	442.6
145.00		0.2813	27.279	24.450	2274.7	23.85	96.99	78.7	161.1	424.8
150.00		0.2813	26.129	23.409	1996.2	22.75	92.90	79.9	147.6	407.1
152.50		0.2813	25.554	22.888	1866.0	22.20	90.86	80.5	141.1	196.9
155.00		0.2813	24.979	22.367	1741.5	21.65	88.82	81.1	134.7	192.5
160.00		0.2813	23.829	21.326	1509.4	20.56	84.73	81.9	122.4	371.7
165.00		0.2813	22.680	20.285	1298.9	19.46	80.64	81.9	110.6	354.0
170.00		0.2813	21.530	19.243	1109.0	18.37	76.55	81.9	99.5	336.3
175.00		0.2813	20.380	18.202	938.5	17.27	72.46	81.9	89.0	318.5
178.00		0.2813	19.690	17.577	845.1	16.62	70.01	81.9	82.9	182.6
										36577.3

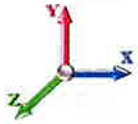
Wind Loading - Shaft

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	25.472	28.02	514.31	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	25.472	28.02	504.16	0.950	0.000	5.00	24.879	23.64	662.2	0.0	1879.4
10.00		1.00	0.70	25.472	28.02	494.00	0.950	0.000	5.00	24.383	23.16	649.0	0.0	1841.6
15.00		1.00	0.70	25.472	28.02	483.85	0.950	0.000	5.00	23.887	22.69	635.8	0.0	1803.8
20.00		1.00	0.70	25.472	28.02	473.70	0.950	0.000	5.00	23.391	22.22	622.6	0.0	1766.0
25.00		1.00	0.70	25.472	28.02	463.55	0.950	0.000	5.00	22.895	21.75	609.4	0.0	1728.2
30.00		1.00	0.70	25.494	28.04	453.58	0.955 *	0.000	5.00	22.399	21.39	599.9	0.0	1690.4
32.83	Bot - Section 2	1.00	0.72	26.160	28.78	453.64	0.960 *	0.000	2.83	12.473	11.98	344.6	0.0	941.1
35.00		1.00	0.73	26.642	29.31	453.30	0.963 *	0.000	2.17	9.606	9.25	271.2	0.0	1391.5
40.00	Top - Section 1	1.00	0.76	27.678	30.45	451.45	0.968 *	0.000	5.00	21.811	21.12	643.1	0.0	3158.6
45.00		1.00	0.79	28.625	31.49	457.12	0.970 *	0.000	5.00	21.315	20.67	650.9	0.0	1508.3
50.00		1.00	0.81	29.500	32.45	453.13	0.977 *	0.000	5.00	20.819	20.34	660.0	0.0	1472.9
55.00		1.00	0.83	30.314	33.35	448.26	0.985 *	0.000	5.00	20.323	20.01	667.3	0.0	1437.4
60.00		1.00	0.85	31.077	34.19	442.66	0.993 *	0.000	5.00	19.827	19.68	672.8	0.0	1402.0
65.00		1.00	0.87	31.796	34.98	436.40	1.001 *	0.000	5.00	19.331	19.35	676.8	0.0	1366.6
70.00		1.00	0.89	32.477	35.72	429.59	1.010 *	0.000	5.00	18.835	19.02	679.5	0.0	1331.1
75.00		1.00	0.91	33.123	36.44	422.26	1.019 *	0.000	5.00	18.339	18.69	681.0	0.0	1295.7
77.92	Bot - Section 3	1.00	0.92	33.487	36.84	417.78	1.027 *	0.000	2.92	10.481	10.76	396.5	0.0	740.3
80.00		1.00	0.93	33.740	37.11	414.49	1.032 *	0.000	2.08	7.520	7.76	288.0	0.0	1016.1
84.00	Top - Section 2	1.00	0.94	34.214	37.64	407.97	1.038 *	0.000	4.00	14.231	14.78	556.1	0.0	1922.3
85.00		1.00	0.94	34.329	37.76	415.28	1.036 *	0.000	1.00	3.494	3.62	136.6	0.0	230.4
90.00		1.00	0.96	34.894	38.38	406.80	1.042 *	0.000	5.00	17.229	17.95	689.1	0.0	1136.2
95.00		1.00	0.97	35.438	38.98	397.98	1.053 *	0.000	5.00	16.733	17.62	687.0	0.0	1103.1
100.00		1.00	0.99	35.961	39.56	388.84	1.065 *	0.000	5.00	16.237	17.29	684.1	0.0	1070.0
105.00		1.00	1.00	36.466	40.11	379.42	1.078 *	0.000	5.00	15.741	16.96	680.4	0.0	1037.0
110.00		1.00	1.02	36.953	40.65	369.72	1.091 *	0.000	5.00	15.245	16.63	676.1	0.0	1003.9
115.00		1.00	1.03	37.426	41.17	359.77	1.105 *	0.000	5.00	14.749	16.30	671.2	0.0	970.8
120.00		1.00	1.04	37.884	41.67	349.58	1.121 *	0.000	5.00	14.253	15.97	665.7	0.0	937.7
124.08	Bot - Section 4	1.00	1.05	38.248	42.07	341.10	1.136 *	0.000	4.08	11.272	12.80	538.5	0.0	741.3
125.00	Appurtenance(s)	1.00	1.05	38.328	42.16	339.17	1.144 *	0.000	0.92	2.529	2.89	122.0	0.0	270.8
129.00	Top - Section 3	1.00	1.06	38.675	42.54	330.69	0.950	0.000	4.00	10.842	10.30	438.2	0.0	1160.5
130.00		1.00	1.07	38.760	42.64	334.68	0.950	0.000	1.00	2.661	2.53	107.8	0.0	113.0
135.00	Appurtenance(s)	1.00	1.08	39.180	43.10	323.90	0.950	0.000	5.00	13.007	12.36	532.6	0.0	552.3
140.00		1.00	1.09	39.589	43.55	312.93	0.950	0.000	5.00	12.511	11.89	517.6	0.0	531.1
145.00	Appurtenance(s)	1.00	1.10	39.988	43.99	301.78	0.950	0.000	5.00	12.015	11.41	502.1	0.0	509.8
150.00		1.00	1.11	40.378	44.42	290.46	0.950	0.000	5.00	11.519	10.94	486.0	0.0	488.6
152.50	Appurtenance(s)	1.00	1.11	40.569	44.63	284.74	0.950	0.000	2.50	5.574	5.29	236.3	0.0	236.3
155.00	Appurtenance(s)	1.00	1.12	40.758	44.83	278.98	0.950	0.000	2.50	5.450	5.18	232.1	0.0	231.0
160.00		1.00	1.13	41.129	45.24	267.35	0.950	0.000	5.00	10.527	10.00	452.5	0.0	446.0
165.00	Appurtenance(s)	1.00	1.14	41.492	45.64	255.57	0.950	0.000	5.00	10.031	9.53	434.9	0.0	424.8
170.00		1.00	1.15	41.848	46.03	243.65	0.950	0.000	5.00	9.535	9.06	417.0	0.0	403.5
175.00	Appurtenance(s)	1.00	1.16	42.196	46.42	231.60	0.950	0.000	5.00	9.039	8.59	398.6	0.0	382.3
178.00		1.00	1.17	42.401	46.64	224.30	0.950	0.000	3.00	5.185	4.93	229.8	0.0	219.1
								Totals:	**178.00**			**21,503.0**		**43,892.8**

* Cf Adjusted by Linear Load Ra Effect

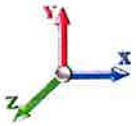
Discrete Appurtenance Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	175.00	Exposed Mount Pipes	9	42.196	46.415	0.90	0.90	15.39	324.00	0.000	0.000	714.33	0.00	0.00
2	175.00	Abandoned Mount	1	42.196	46.415	1.00	1.00	28.50	1346.40	0.000	0.000	1322.84	0.00	0.00
3	165.00	Kathrein 782 11056	3	41.492	45.642	0.58	0.75	0.23	6.48	0.000	0.000	10.41	0.00	0.00
4	165.00	Reinf. Kit (SitePro1	3	41.492	45.642	0.75	1.00	7.88	342.00	0.000	0.000	359.43	0.00	0.00
5	165.00	Ericsson AIR6419 B41	3	41.492	45.642	0.57	0.75	6.50	237.96	0.000	0.000	296.58	0.00	0.00
6	165.00	Ericsson 4460 B25 + B66	3	41.492	45.642	0.50	0.75	4.30	392.40	0.000	0.000	196.09	0.00	0.00
7	165.00	Platform w/ Hand Rails	1	41.492	45.642	1.00	1.00	40.00	2400.00	0.000	0.000	1825.66	0.00	0.00
8	165.00	RFS	3	41.492	45.642	0.52	0.75	31.88	442.08	0.000	0.000	1454.96	0.00	0.00
9	165.00	Ericsson KRY 112 489/2	6	41.492	45.642	0.50	0.75	1.96	110.88	0.000	0.000	89.45	0.00	0.00
10	165.00	Ericsson 4449 B71 + B85	3	41.492	45.642	0.50	0.75	2.97	255.60	0.000	0.000	135.55	0.00	0.00
11	165.00	(3) SFS-H-L (V-Braces)	1	41.492	45.642	1.00	1.00	6.70	276.00	0.000	0.000	305.80	0.00	0.00
12	155.00	PRK-1245 (kicker kit)	1	40.758	44.833	1.00	1.00	9.50	557.89	0.000	0.000	425.92	0.00	0.00
13	155.00	(3) 12.5' - 2" Horizontal	3	40.758	44.833	1.00	1.00	17.81	494.10	0.000	0.000	798.60	0.00	0.00
14	155.00	Cci OPA65R-BU8DA	4	40.758	44.833	0.65	0.75	29.59	367.20	0.000	0.000	1326.74	0.00	0.00
15	155.00	(3) Stabilizer Kit (12' FW)	1	40.758	44.833	1.00	1.00	6.10	216.00	0.000	0.000	273.48	0.00	0.00
16	155.00	Platform w/ Hand Rails	1	40.758	44.833	1.00	1.00	28.50	1346.40	0.000	0.000	1277.75	0.00	0.00
17	155.00	Nokia CS72188.01 LMU	1	40.758	44.833	1.00	1.00	0.17	0.37	0.000	0.000	7.62	0.00	0.00
18	155.00	Cci OPA65R-BU4DA	2	40.758	44.833	0.53	0.75	8.99	126.00	0.000	0.000	402.99	0.00	0.00
19	155.00	Ericsson 4449 B5/B12	3	40.758	44.833	0.65	0.75	3.81	255.60	0.000	0.000	170.90	0.00	0.00
20	155.00	Ericcson 8843 B2/B66A	3	40.758	44.833	0.65	0.75	3.35	259.20	0.000	0.000	150.08	0.00	0.00
21	155.00	Raycap DC6-48-60-18-8F	1	40.758	44.833	0.75	0.75	1.65	39.36	0.000	0.000	73.98	0.00	0.00
22	155.00	Exposed Mount Pipes	12	40.758	44.833	0.75	0.75	13.77	432.00	0.000	0.000	617.36	0.00	0.00
23	152.50	Ericsson RRUS11 RRUs	6	40.569	44.626	0.60	0.90	11.79	367.20	0.000	0.000	526.35	0.00	0.00
24	152.50	Ring Mount (Part No	1	40.569	44.626	1.00	1.00	5.00	180.00	0.000	0.000	223.13	0.00	0.00
25	152.50	Raycap DC2-48-60-18-8F	1	40.569	44.626	0.90	0.90	1.32	39.36	0.000	0.000	59.04	0.00	0.00
26	145.00	Exposed Mount Pipes	12	39.988	43.987	0.75	0.75	14.13	432.00	0.000	0.000	621.54	0.00	0.00
27	145.00	ALU 800 Mhz- RRUs	6	39.988	43.987	0.50	0.75	7.51	381.60	0.000	0.000	330.23	0.00	0.00
28	145.00	ALU 1900 Mhz- RRUs	3	39.988	43.987	0.50	0.75	4.18	216.00	0.000	0.000	183.68	0.00	0.00
29	145.00	PRK-1245 (kicker kit)	1	39.988	43.987	1.00	1.00	9.50	557.89	0.000	0.000	417.88	0.00	0.00
30	145.00	(3) SFS-H-L (V-Braces)	1	39.988	43.987	1.00	1.00	6.70	276.00	0.000	0.000	294.71	0.00	0.00
31	145.00	NNVV-65B-R4	3	39.988	43.987	0.55	0.75	20.43	278.64	0.000	0.000	898.64	0.00	0.00
32	145.00	APXVTM14-C-I20	3	39.988	43.987	0.58	0.75	10.98	202.32	0.000	0.000	483.16	0.00	0.00
33	145.00	Platform w/ Hand Rails	1	39.988	43.987	1.00	1.00	28.50	1800.00	0.000	0.000	1253.64	0.00	0.00
34	145.00	ALU TD-RRH8x20-25-	3	39.988	43.987	0.50	0.75	6.11	252.00	0.000	0.000	268.56	0.00	0.00
35	135.00	Fujitsu TA08025-B605	3	39.180	43.098	0.50	0.75	2.95	270.00	0.000	0.000	127.34	0.00	0.00
36	135.00	Platform w/ Handrails	1	39.180	43.098	1.00	1.00	37.59	2072.40	0.000	0.000	1620.06	0.00	0.00
37	135.00	JMA Wireless	3	39.180	43.098	0.55	0.75	20.80	232.20	0.000	0.000	896.27	0.00	0.00
38	135.00	Raycap	1	39.180	43.098	1.00	1.00	2.01	26.22	0.000	0.000	86.63	0.00	0.00
39	135.00	Fujitsu TA08025-B604	3	39.180	43.098	0.50	0.75	2.95	230.04	0.000	0.000	127.34	0.00	0.00
40	125.00	Samsung RF4440d-13A	3	38.328	42.161	0.60	0.75	3.37	253.19	0.000	0.000	141.91	0.00	0.00
41	125.00	Lucent KS-24019 GPS	1	38.415	42.257	1.00	1.00	1.00	4.80	0.000	1.000	42.26	0.00	42.26
42	125.00	Low Profile Platform	1	38.328	42.161	1.00	1.00	25.00	1440.00	0.000	0.000	1054.02	0.00	0.00
43	125.00	JMA Wireless	6	38.328	42.161	0.65	0.75	38.64	432.00	0.000	0.000	1629.14	0.00	0.00
44	125.00	Samsung MT6407-77A	3	38.328	42.161	0.52	0.75	7.40	313.56	0.000	0.000	312.10	0.00	0.00
45	125.00	Samsung RF4439d-25A	3	38.328	42.161	0.60	0.75	3.37	268.92	0.000	0.000	141.91	0.00	0.00
46	125.00	VZWSMART	1	38.328	42.161	1.00	1.00	9.50	557.89	0.000	0.000	400.53	0.00	0.00
47	125.00	Handrail Kit (P2 1/2 STD)	1	38.328	42.161	1.00	1.00	6.75	314.06	0.000	0.000	284.59	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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

48	125.00	VZWSMART	1	38.328	42.161	1.00	1.00	2.50	180.72	0.000	0.000	105.40	0.00	0.00
49	125.00	Antel	6	38.328	42.161	0.56	0.75	8.73	86.40	0.000	0.000	367.92	0.00	0.00
50	125.00	BSF0020F3V1-1	4	38.328	42.161	0.63	0.75	2.42	84.48	0.000	0.000	102.00	0.00	0.00
51	125.00	RFS DB-T1-6Z-8AB-0Z	2	38.328	42.161	0.64	0.75	6.12	105.60	0.000	0.000	258.02	0.00	0.00
							Totals:		**22,083.42**			**25,494.50**		

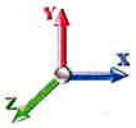
Total Applied Force Summary

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

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
5.00		662.24	2009.64	0.00	0.00
10.00		649.04	2115.79	0.00	0.00
15.00		635.84	2077.99	0.00	0.00
20.00		622.63	2040.20	0.00	0.00
25.00		609.43	2002.40	0.00	0.00
30.00		599.87	1964.60	0.00	0.00
32.83		344.59	1096.50	0.00	0.00
35.00		271.22	1510.27	0.00	0.00
40.00		643.10	3432.75	0.00	0.00
45.00		650.86	1782.50	0.00	0.00
50.00		660.05	1747.07	0.00	0.00
55.00		667.27	1711.63	0.00	0.00
60.00		672.79	1676.20	0.00	0.00
65.00		676.82	1640.76	0.00	0.00
70.00		679.52	1605.33	0.00	0.00
75.00		681.03	1569.89	0.00	0.00
77.92		396.46	900.43	0.00	0.00
80.00		288.01	1130.18	0.00	0.00
84.00		556.15	2141.86	0.00	0.00
85.00		136.62	285.09	0.00	0.00
90.00		689.09	1410.36	0.00	0.00
95.00		686.96	1377.29	0.00	0.00
100.00		684.06	1344.22	0.00	0.00
105.00		680.43	1311.15	0.00	0.00
110.00		676.13	1278.07	0.00	0.00
115.00		671.19	1245.00	0.00	0.00
120.00		665.65	1211.93	0.00	0.00
124.08		538.55	965.21	0.00	0.00
125.00	(32) attachments	4961.83	4362.74	0.00	42.26
129.00		438.19	1313.61	0.00	0.00
130.00		107.78	151.30	0.00	0.00
135.00	(11) attachments	3390.20	3574.59	0.00	0.00
140.00		517.60	716.47	0.00	0.00
145.00	(33) attachments	5254.13	5091.66	0.00	0.00
150.00		486.05	651.05	0.00	0.00
152.50	(8) attachments	1044.80	904.11	0.00	0.00
155.00	(32) attachments	5757.53	4406.36	0.00	0.00
160.00		452.46	517.75	0.00	0.00
165.00	(26) attachments	5108.87	4959.89	0.00	0.00
170.00		416.98	403.51	0.00	0.00
175.00	(10) attachments	2435.75	2052.65	0.00	0.00
178.00		229.76	219.15	0.00	0.00
	Totals:	**46,997.52**	**73,909.15**	**0.00**	**42.26**

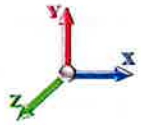
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

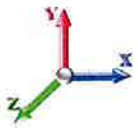
Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.047	0.000	25.472	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.047	0.000	25.472	0.00	6.24
5.00	1 5/8" Coax	Yes	2.00	0.000	3.96	0.66	0.00	0.047	0.000	25.472	0.00	27.46
5.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	25.472	0.00	5.28
5.00	1/2" Coax	Yes	2.00	0.000	0.50	0.08	0.00	0.047	0.000	25.472	0.00	0.38
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.093	0.000	25.472	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.093	0.000	25.472	0.00	6.24
10.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.093	0.000	25.472	0.00	68.64
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.093	0.000	25.472	0.00	13.20
10.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.093	0.000	25.472	0.00	0.96
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.095	0.000	25.472	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.095	0.000	25.472	0.00	6.24
15.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.095	0.000	25.472	0.00	68.64
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.095	0.000	25.472	0.00	13.20
15.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.095	0.000	25.472	0.00	0.96
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.097	0.000	25.472	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.097	0.000	25.472	0.00	6.24
20.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.097	0.000	25.472	0.00	68.64
20.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.097	0.000	25.472	0.00	13.20
20.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.097	0.000	25.472	0.00	0.96
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.100	0.000	25.472	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.100	0.000	25.472	0.00	6.24
25.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.100	0.000	25.472	0.00	68.64
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	25.472	0.00	13.20
25.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.100	0.000	25.472	0.00	0.96
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.102	1.005	25.494	0.00	1.64
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.102	1.005	25.494	0.00	6.24
30.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.102	1.005	25.494	0.00	68.64
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.102	1.005	25.494	0.00	13.20
30.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.102	1.005	25.494	0.00	0.96
32.83	Safety Cable	Yes	2.83	0.000	0.38	0.09	0.00	0.104	1.011	26.160	0.00	0.93
32.83	Step bolts (ladder)	Yes	2.83	0.000	0.63	0.15	0.00	0.104	1.011	26.160	0.00	3.54
32.83	1 5/8" Coax	Yes	2.83	0.000	3.96	0.93	0.00	0.104	1.011	26.160	0.00	38.90
32.83	1 5/8" Fiber	Yes	2.83	0.000	0.00	0.00	0.00	0.104	1.011	26.160	0.00	7.48
32.83	1/2" Coax	Yes	2.83	0.000	0.50	0.12	0.00	0.104	1.011	26.160	0.00	0.54
35.00	Safety Cable	Yes	2.17	0.000	0.38	0.07	0.00	0.105	1.014	26.642	0.00	0.71
35.00	Step bolts (ladder)	Yes	2.17	0.000	0.63	0.11	0.00	0.105	1.014	26.642	0.00	2.70
35.00	1 5/8" Coax	Yes	2.17	0.000	3.96	0.72	0.00	0.105	1.014	26.642	0.00	29.74
35.00	1 5/8" Fiber	Yes	2.17	0.000	0.00	0.00	0.00	0.105	1.014	26.642	0.00	5.72
35.00	1/2" Coax	Yes	2.17	0.000	0.50	0.09	0.00	0.105	1.014	26.642	0.00	0.42
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.106	1.019	27.678	0.00	1.64
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.106	1.019	27.678	0.00	6.24
40.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.106	1.019	27.678	0.00	68.64
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.106	1.019	27.678	0.00	13.20
40.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.106	1.019	27.678	0.00	0.96
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.107	1.021	28.625	0.00	1.64
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.107	1.021	28.625	0.00	6.24

Linear Appurtenance Segment Forces (Factored)

Structure: CT00594-S
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/10/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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



Iterations 25

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)
45.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.107	1.021	28.625	0.00	68.64
45.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.107	1.021	28.625	0.00	13.20
45.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.107	1.021	28.625	0.00	0.96
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.109	1.028	29.500	0.00	1.64
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.109	1.028	29.500	0.00	6.24
50.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.109	1.028	29.500	0.00	68.64
50.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.109	1.028	29.500	0.00	13.20
50.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.109	1.028	29.500	0.00	0.96
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.112	1.036	30.314	0.00	1.64
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.112	1.036	30.314	0.00	6.24
55.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.112	1.036	30.314	0.00	68.64
55.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.112	1.036	30.314	0.00	13.20
55.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.112	1.036	30.314	0.00	0.96
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.115	1.045	31.077	0.00	1.64
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.115	1.045	31.077	0.00	6.24
60.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.115	1.045	31.077	0.00	68.64
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.115	1.045	31.077	0.00	13.20
60.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.115	1.045	31.077	0.00	0.96
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.118	1.054	31.796	0.00	1.64
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.118	1.054	31.796	0.00	6.24
65.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.118	1.054	31.796	0.00	68.64
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.118	1.054	31.796	0.00	13.20
65.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.118	1.054	31.796	0.00	0.96
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.121	1.063	32.477	0.00	1.64
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.121	1.063	32.477	0.00	6.24
70.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.121	1.063	32.477	0.00	68.64
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.121	1.063	32.477	0.00	13.20
70.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.121	1.063	32.477	0.00	0.96
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.124	1.073	33.123	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.124	1.073	33.123	0.00	6.24
75.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.124	1.073	33.123	0.00	68.64
75.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.124	1.073	33.123	0.00	13.20
75.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.124	1.073	33.123	0.00	0.96
77.92	Safety Cable	Yes	2.92	0.000	0.38	0.09	0.00	0.127	1.081	33.487	0.00	0.96
77.92	Step bolts (ladder)	Yes	2.92	0.000	0.63	0.15	0.00	0.127	1.081	33.487	0.00	3.64
77.92	1 5/8" Coax	Yes	2.92	0.000	3.96	0.96	0.00	0.127	1.081	33.487	0.00	40.09
77.92	1 5/8" Fiber	Yes	2.92	0.000	0.00	0.00	0.00	0.127	1.081	33.487	0.00	7.71
77.92	1/2" Coax	Yes	2.92	0.000	0.50	0.12	0.00	0.127	1.081	33.487	0.00	0.56
80.00	Safety Cable	Yes	2.08	0.000	0.38	0.07	0.00	0.129	1.086	33.740	0.00	0.68
80.00	Step bolts (ladder)	Yes	2.08	0.000	0.63	0.11	0.00	0.129	1.086	33.740	0.00	2.60
80.00	1 5/8" Coax	Yes	2.08	0.000	3.96	0.69	0.00	0.129	1.086	33.740	0.00	28.55
80.00	1 5/8" Fiber	Yes	2.08	0.000	0.00	0.00	0.00	0.129	1.086	33.740	0.00	5.49
80.00	1/2" Coax	Yes	2.08	0.000	0.50	0.09	0.00	0.129	1.086	33.740	0.00	0.40
84.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.131	1.093	34.214	0.00	1.31
84.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.131	1.093	34.214	0.00	5.00
84.00	1 5/8" Coax	Yes	4.00	0.000	3.96	1.32	0.00	0.131	1.093	34.214	0.00	54.96
84.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.131	1.093	34.214	0.00	10.57

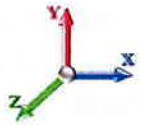
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

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)
84.00	1/2" Coax	Yes	4.00	0.000	0.50	0.17	0.00	0.131	1.093	34.214	0.00	0.77
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.130	1.090	34.329	0.00	0.33
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.130	1.090	34.329	0.00	1.24
85.00	1 5/8" Coax	Yes	1.00	0.000	3.96	0.33	0.00	0.130	1.090	34.329	0.00	13.68
85.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.130	1.090	34.329	0.00	2.63
85.00	1/2" Coax	Yes	1.00	0.000	0.50	0.04	0.00	0.130	1.090	34.329	0.00	0.19
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.132	1.097	34.894	0.00	1.64
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.132	1.097	34.894	0.00	6.24
90.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.132	1.097	34.894	0.00	68.64
90.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.132	1.097	34.894	0.00	13.20
90.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.132	1.097	34.894	0.00	0.96
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.136	1.109	35.438	0.00	1.64
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.136	1.109	35.438	0.00	6.24
95.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.136	1.109	35.438	0.00	68.64
95.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.136	1.109	35.438	0.00	13.20
95.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.136	1.109	35.438	0.00	0.96
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.140	1.121	35.961	0.00	1.64
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.140	1.121	35.961	0.00	6.24
100.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.140	1.121	35.961	0.00	68.64
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.140	1.121	35.961	0.00	13.20
100.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.140	1.121	35.961	0.00	0.96
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.145	1.134	36.466	0.00	1.64
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.145	1.134	36.466	0.00	6.24
105.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.145	1.134	36.466	0.00	68.64
105.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.145	1.134	36.466	0.00	13.20
105.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.145	1.134	36.466	0.00	0.96
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.150	1.149	36.953	0.00	1.64
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.150	1.149	36.953	0.00	6.24
110.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.150	1.149	36.953	0.00	68.64
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.150	1.149	36.953	0.00	13.20
110.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.150	1.149	36.953	0.00	0.96
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.155	1.164	37.426	0.00	1.64
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.155	1.164	37.426	0.00	6.24
115.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.155	1.164	37.426	0.00	68.64
115.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.155	1.164	37.426	0.00	13.20
115.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.155	1.164	37.426	0.00	0.96
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.160	1.180	37.884	0.00	1.64
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.160	1.180	37.884	0.00	6.24
120.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.160	1.180	37.884	0.00	68.64
120.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.160	1.180	37.884	0.00	13.20
120.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.160	1.180	37.884	0.00	0.96
124.08	Safety Cable	Yes	4.08	0.000	0.38	0.13	0.00	0.165	1.195	38.248	0.00	1.34
124.08	Step bolts (ladder)	Yes	4.08	0.000	0.63	0.21	0.00	0.165	1.195	38.248	0.00	5.10
124.08	1 5/8" Coax	Yes	4.08	0.000	3.96	1.35	0.00	0.165	1.195	38.248	0.00	56.06
124.08	1 5/8" Fiber	Yes	4.08	0.000	0.00	0.00	0.00	0.165	1.195	38.248	0.00	10.78
124.08	1/2" Coax	Yes	4.08	0.000	0.50	0.17	0.00	0.165	1.195	38.248	0.00	0.78
125.00	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.168	1.204	38.328	0.00	0.30

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 25

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)
125.00	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.168	1.204	38.328	0.00	1.14
125.00	1 5/8" Coax	Yes	0.92	0.000	3.96	0.30	0.00	0.168	1.204	38.328	0.00	12.58
125.00	1 5/8" Fiber	Yes	0.92	0.000	0.00	0.00	0.00	0.168	1.204	38.328	0.00	2.42
125.00	1/2" Coax	Yes	0.92	0.000	0.50	0.04	0.00	0.168	1.204	38.328	0.00	0.18
129.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	38.675	0.00	1.31
129.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	38.675	0.00	4.99
130.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	38.760	0.00	0.33
130.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	38.760	0.00	1.25
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	39.180	0.00	1.64
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	39.180	0.00	6.24
140.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	39.589	0.00	1.64
140.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	39.589	0.00	6.24
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	39.988	0.00	1.64
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	39.988	0.00	6.24
150.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	40.378	0.00	1.64
150.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	40.378	0.00	6.24
152.50	Safety Cable	Yes	2.50	0.000	0.38	0.08	0.00	0.038	0.000	40.569	0.00	0.82
152.50	Step bolts (ladder)	Yes	2.50	0.000	0.63	0.13	0.00	0.038	0.000	40.569	0.00	3.12
155.00	Safety Cable	Yes	2.50	0.000	0.38	0.08	0.00	0.039	0.000	40.758	0.00	0.82
155.00	Step bolts (ladder)	Yes	2.50	0.000	0.63	0.13	0.00	0.039	0.000	40.758	0.00	3.12
160.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.040	0.000	41.129	0.00	1.64
160.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.040	0.000	41.129	0.00	6.24
165.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.042	0.000	41.492	0.00	1.64
165.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.042	0.000	41.492	0.00	6.24
										Totals:	**0.0**	**2,280.3**

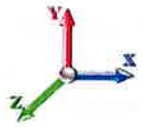
Calculated Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.2D + 1.0W 123 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 25

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	-73.82	-47.14	0.00	-5972.4	0.00	5972.46	6109.19	1631.76	7852.82	7187.37	0.00	0.000	0.000	0.844
5.00	-71.64	-46.74	0.00	-5736.7	0.00	5736.79	6042.67	1599.27	7543.22	6966.35	0.11	-0.210	0.000	0.836
10.00	-69.35	-46.34	0.00	-5503.1	0.00	5503.12	5973.91	1566.78	7239.84	6745.94	0.45	-0.425	0.000	0.828
15.00	-67.10	-45.94	0.00	-5271.4	0.00	5271.44	5902.91	1534.29	6942.70	6526.30	1.01	-0.644	0.000	0.820
20.00	-64.89	-45.55	0.00	-5041.7	0.00	5041.73	5829.67	1501.80	6651.77	6307.60	1.80	-0.867	0.000	0.811
25.00	-62.72	-45.16	0.00	-4814.0	0.00	4814.00	5754.19	1469.31	6367.08	6089.98	2.83	-1.094	0.000	0.802
30.00	-60.63	-44.71	0.00	-4588.2	0.00	4588.23	5676.47	1436.82	6088.61	5873.62	4.10	-1.325	0.000	0.793
32.83	-59.45	-44.46	0.00	-4461.5	0.00	4461.57	5631.44	1418.41	5933.57	5751.63	4.93	-1.460	0.000	0.787
35.00	-57.81	-44.32	0.00	-4365.2	0.00	4365.24	5596.51	1404.33	5816.37	5658.66	5.62	-1.565	0.000	0.783
40.00	-54.21	-43.81	0.00	-4143.6	0.00	4143.62	5104.93	1311.76	5413.18	5145.84	7.39	-1.805	0.000	0.817
45.00	-52.27	-43.32	0.00	-3924.5	0.00	3924.58	5033.50	1281.30	5164.70	4954.92	9.41	-2.049	0.000	0.804
50.00	-50.36	-42.82	0.00	-3707.9	0.00	3707.96	4959.83	1250.84	4922.07	4765.22	11.69	-2.298	0.000	0.789
55.00	-48.49	-42.30	0.00	-3493.8	0.00	3493.87	4883.92	1220.38	4685.27	4576.90	14.23	-2.550	0.000	0.775
60.00	-46.66	-41.76	0.00	-3282.4	0.00	3282.40	4805.76	1189.92	4454.32	4390.12	17.04	-2.806	0.000	0.759
65.00	-44.87	-41.20	0.00	-3073.6	0.00	3073.62	4725.37	1159.46	4229.19	4205.04	20.11	-3.065	0.000	0.742
70.00	-43.12	-40.63	0.00	-2867.6	0.00	2867.63	4642.74	1129.00	4009.91	4021.83	23.46	-3.327	0.000	0.724
75.00	-41.45	-40.01	0.00	-2664.4	0.00	2664.48	4557.87	1098.54	3796.46	3840.63	27.08	-3.590	0.000	0.704
77.92	-40.48	-39.65	0.00	-2547.6	0.00	2547.66	4507.27	1080.76	3674.51	3735.80	29.33	-3.748	0.000	0.692
80.00	-39.26	-39.40	0.00	-2465.1	0.00	2465.19	4470.76	1068.08	3588.85	3661.61	30.99	-3.861	0.000	0.683
84.00	-37.07	-38.78	0.00	-2307.4	0.00	2307.46	4079.95	996.52	3347.20	3342.88	34.31	-4.077	0.000	0.701
85.00	-36.69	-38.73	0.00	-2268.8	0.00	2268.81	4064.53	990.86	3309.24	3311.11	35.17	-4.132	0.000	0.696
90.00	-35.15	-38.10	0.00	-2075.1	0.00	2075.15	3985.82	962.43	3122.08	3152.82	39.64	-4.398	0.000	0.669
95.00	-33.66	-37.47	0.00	-1884.6	0.00	1884.64	3904.88	934.00	2940.36	2996.54	44.38	-4.664	0.000	0.639
100.00	-32.21	-36.82	0.00	-1697.3	0.00	1697.31	3803.39	905.57	2764.09	2828.81	49.40	-4.927	0.000	0.610
105.00	-30.81	-36.16	0.00	-1513.2	0.00	1513.22	3683.99	877.14	2593.26	2652.97	54.70	-5.185	0.000	0.580
110.00	-29.44	-35.50	0.00	-1332.4	0.00	1332.41	3564.59	848.71	2427.89	2482.78	60.26	-5.437	0.000	0.547
115.00	-28.13	-34.83	0.00	-1154.9	0.00	1154.92	3445.19	820.28	2267.96	2318.23	66.08	-5.681	0.000	0.508
120.00	-26.87	-34.14	0.00	-980.79	0.00	980.79	3325.79	791.86	2113.49	2159.32	72.14	-5.912	0.000	0.464
124.08	-25.90	-33.55	0.00	-841.39	0.00	841.39	3228.28	768.64	1991.37	2033.73	77.27	-6.091	0.000	0.424
125.00	-22.04	-28.19	0.00	-810.59	0.00	810.59	3206.39	763.43	1964.46	2006.05	78.44	-6.131	0.000	0.412
129.00	-20.73	-27.65	0.00	-697.83	0.00	697.83	1872.41	487.58	1246.47	1169.59	83.64	-6.293	0.000	0.611
130.00	-20.52	-27.58	0.00	-670.18	0.00	670.18	1864.30	483.92	1227.85	1155.72	84.96	-6.333	0.000	0.594
135.00	-17.25	-23.89	0.00	-532.27	0.00	532.27	1822.43	465.65	1136.86	1086.70	91.72	-6.595	0.000	0.502
140.00	-16.51	-23.35	0.00	-412.84	0.00	412.84	1778.31	447.37	1049.37	1018.38	98.74	-6.827	0.000	0.417
145.00	-12.03	-17.56	0.00	-296.10	0.00	296.10	1731.96	429.10	965.39	950.92	105.98	-7.022	0.000	0.320
150.00	-11.42	-17.01	0.00	-208.32	0.00	208.32	1683.36	410.82	884.91	884.47	113.41	-7.180	0.000	0.244
152.50	-10.63	-15.88	0.00	-165.78	0.00	165.78	1658.23	401.68	845.98	851.67	117.18	-7.247	0.000	0.203
155.00	-6.98	-9.62	0.00	-126.09	0.00	126.09	1632.53	392.54	807.93	819.19	120.98	-7.302	0.000	0.159
160.00	-6.51	-9.11	0.00	-78.02	0.00	78.02	1571.93	374.27	734.45	751.65	128.65	-7.386	0.000	0.109
165.00	-2.25	-3.40	0.00	-32.48	0.00	32.48	1495.17	355.99	664.47	679.62	136.40	-7.438	0.000	0.049
170.00	-1.91	-2.94	0.00	-15.46	0.00	15.46	1418.42	337.72	598.00	611.22	144.18	-7.464	0.000	0.027
175.00	-0.19	-0.26	0.00	-0.77	0.00	0.77	1341.66	319.44	535.03	546.45	151.98	-7.474	0.000	0.002
178.00	0.00	-0.23	0.00	0.00	0.00	0.00	1295.60	308.48	498.93	509.33	156.67	-7.475	0.000	0.000

Wind Loading - Shaft

Structure: CT00594-S
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/10/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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

Iterations 25

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	25.472	28.02	514.31	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	25.472	28.02	504.16	0.950	0.000	5.00	24.879	23.64	662.2	0.0	1409.5
10.00		1.00	0.70	25.472	28.02	494.00	0.950	0.000	5.00	24.383	23.16	649.0	0.0	1381.2
15.00		1.00	0.70	25.472	28.02	483.85	0.950	0.000	5.00	23.887	22.69	635.8	0.0	1352.8
20.00		1.00	0.70	25.472	28.02	473.70	0.950	0.000	5.00	23.391	22.22	622.6	0.0	1324.5
25.00		1.00	0.70	25.472	28.02	463.55	0.950	0.000	5.00	22.895	21.75	609.4	0.0	1296.2
30.00		1.00	0.70	25.494	28.04	453.58	0.955 *	0.000	5.00	22.399	21.39	599.9	0.0	1267.8
32.83	Bot - Section 2	1.00	0.72	26.160	28.78	453.64	0.960 *	0.000	2.83	12.473	11.98	344.6	0.0	705.8
35.00		1.00	0.73	26.642	29.31	453.30	0.963 *	0.000	2.17	9.606	9.25	271.2	0.0	1043.6
40.00	Top - Section 1	1.00	0.76	27.678	30.45	451.45	0.968 *	0.000	5.00	21.811	21.12	643.1	0.0	2368.9
45.00		1.00	0.79	28.625	31.49	457.12	0.970 *	0.000	5.00	21.315	20.67	650.9	0.0	1131.2
50.00		1.00	0.81	29.500	32.45	453.13	0.977 *	0.000	5.00	20.819	20.34	660.0	0.0	1104.7
55.00		1.00	0.83	30.314	33.35	448.26	0.985 *	0.000	5.00	20.323	20.01	667.3	0.0	1078.1
60.00		1.00	0.85	31.077	34.19	442.66	0.993 *	0.000	5.00	19.827	19.68	672.8	0.0	1051.5
65.00		1.00	0.87	31.796	34.98	436.40	1.001 *	0.000	5.00	19.331	19.35	676.8	0.0	1024.9
70.00		1.00	0.89	32.477	35.72	429.59	1.010 *	0.000	5.00	18.835	19.02	679.5	0.0	998.4
75.00		1.00	0.91	33.123	36.44	422.26	1.019 *	0.000	5.00	18.339	18.69	681.0	0.0	971.8
77.92	Bot - Section 3	1.00	0.92	33.487	36.84	417.78	1.027 *	0.000	2.92	10.481	10.76	396.5	0.0	555.2
80.00		1.00	0.93	33.740	37.11	414.49	1.032 *	0.000	2.08	7.520	7.76	288.0	0.0	762.1
84.00	Top - Section 2	1.00	0.94	34.214	37.64	407.97	1.038 *	0.000	4.00	14.231	14.78	556.1	0.0	1441.7
85.00		1.00	0.94	34.329	37.76	415.28	1.036 *	0.000	1.00	3.494	3.62	136.6	0.0	172.8
90.00		1.00	0.96	34.894	38.38	406.80	1.042 *	0.000	5.00	17.229	17.95	689.1	0.0	852.1
95.00		1.00	0.97	35.438	38.98	397.98	1.053 *	0.000	5.00	16.733	17.62	687.0	0.0	827.3
100.00		1.00	0.99	35.961	39.56	388.84	1.065 *	0.000	5.00	16.237	17.29	684.1	0.0	802.5
105.00		1.00	1.00	36.466	40.11	379.42	1.078 *	0.000	5.00	15.741	16.96	680.4	0.0	777.7
110.00		1.00	1.02	36.953	40.65	369.72	1.091 *	0.000	5.00	15.245	16.63	676.1	0.0	752.9
115.00		1.00	1.03	37.426	41.17	359.77	1.105 *	0.000	5.00	14.749	16.30	671.2	0.0	728.1
120.00		1.00	1.04	37.884	41.67	349.58	1.121 *	0.000	5.00	14.253	15.97	665.7	0.0	703.3
124.08	Bot - Section 4	1.00	1.05	38.248	42.07	341.10	1.136 *	0.000	4.08	11.272	12.80	538.5	0.0	556.0
125.00	Appurtenance(s)	1.00	1.05	38.328	42.16	339.17	1.144 *	0.000	0.92	2.529	2.89	122.0	0.0	203.1
129.00	Top - Section 3	1.00	1.06	38.675	42.54	330.69	0.950	0.000	4.00	10.842	10.30	438.2	0.0	870.4
130.00		1.00	1.07	38.760	42.64	334.68	0.950	0.000	1.00	2.661	2.53	107.8	0.0	84.8
135.00	Appurtenance(s)	1.00	1.08	39.180	43.10	323.90	0.950	0.000	5.00	13.007	12.36	532.6	0.0	414.3
140.00		1.00	1.09	39.589	43.55	312.93	0.950	0.000	5.00	12.511	11.89	517.6	0.0	398.3
145.00	Appurtenance(s)	1.00	1.10	39.988	43.99	301.78	0.950	0.000	5.00	12.015	11.41	502.1	0.0	382.4
150.00		1.00	1.11	40.378	44.42	290.46	0.950	0.000	5.00	11.519	10.94	486.0	0.0	366.4
152.50	Appurtenance(s)	1.00	1.11	40.569	44.63	284.74	0.950	0.000	2.50	5.574	5.29	236.3	0.0	177.2
155.00	Appurtenance(s)	1.00	1.12	40.758	44.83	278.98	0.950	0.000	2.50	5.450	5.18	232.1	0.0	173.2
160.00		1.00	1.13	41.129	45.24	267.35	0.950	0.000	5.00	10.527	10.00	452.5	0.0	334.5
165.00	Appurtenance(s)	1.00	1.14	41.492	45.64	255.57	0.950	0.000	5.00	10.031	9.53	434.9	0.0	318.6
170.00		1.00	1.15	41.848	46.03	243.65	0.950	0.000	5.00	9.535	9.06	417.0	0.0	302.6
175.00	Appurtenance(s)	1.00	1.16	42.196	46.42	231.60	0.950	0.000	5.00	9.039	8.59	398.6	0.0	286.7
178.00		1.00	1.17	42.401	46.64	224.30	0.950	0.000	3.00	5.185	4.93	229.8	0.0	164.4
								Totals:	**178.00**			**21,503.0**		**32,919.6**

* Cf Adjusted by Linear Load Ra Effect

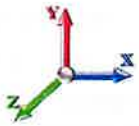
Discrete Appurtenance Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 25

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	175.00	Exposed Mount Pipes	9	42.196	46.415	0.90	0.90	15.39	243.00	0.000	0.000	714.33	0.00	0.00
2	175.00	Abandoned Mount	1	42.196	46.415	1.00	1.00	28.50	1009.80	0.000	0.000	1322.84	0.00	0.00
3	165.00	Kathrein 782 11056	3	41.492	45.642	0.58	0.75	0.23	4.86	0.000	0.000	10.41	0.00	0.00
4	165.00	Reinf. Kit (SitePro1	3	41.492	45.642	0.75	1.00	7.88	256.50	0.000	0.000	359.43	0.00	0.00
5	165.00	Ericsson AIR6419 B41	3	41.492	45.642	0.57	0.75	6.50	178.47	0.000	0.000	296.58	0.00	0.00
6	165.00	Ericsson 4460 B25 + B66	3	41.492	45.642	0.50	0.75	4.30	294.30	0.000	0.000	196.09	0.00	0.00
7	165.00	Platform w/ Hand Rails	1	41.492	45.642	1.00	1.00	40.00	1800.00	0.000	0.000	1825.66	0.00	0.00
8	165.00	RFS	3	41.492	45.642	0.52	0.75	31.88	331.56	0.000	0.000	1454.96	0.00	0.00
9	165.00	Ericsson KRY 112 489/2	6	41.492	45.642	0.50	0.75	1.96	83.16	0.000	0.000	89.45	0.00	0.00
10	165.00	Ericsson 4449 B71 + B85	3	41.492	45.642	0.50	0.75	2.97	191.70	0.000	0.000	135.55	0.00	0.00
11	165.00	(3) SFS-H-L (V-Braces)	1	41.492	45.642	1.00	1.00	6.70	207.00	0.000	0.000	305.80	0.00	0.00
12	155.00	PRK-1245 (kicker kit)	1	40.758	44.833	1.00	1.00	9.50	418.42	0.000	0.000	425.92	0.00	0.00
13	155.00	(3) 12.5' - 2" Horizontal	3	40.758	44.833	1.00	1.00	17.81	370.57	0.000	0.000	798.60	0.00	0.00
14	155.00	Cci OPA65R-BU8DA	4	40.758	44.833	0.65	0.75	29.59	275.40	0.000	0.000	1326.74	0.00	0.00
15	155.00	(3) Stabilizer Kit (12' FW)	1	40.758	44.833	1.00	1.00	6.10	162.00	0.000	0.000	273.48	0.00	0.00
16	155.00	Platform w/ Hand Rails	1	40.758	44.833	1.00	1.00	28.50	1009.80	0.000	0.000	1277.75	0.00	0.00
17	155.00	Nokia CS72188.01 LMU	1	40.758	44.833	1.00	1.00	0.17	0.28	0.000	0.000	7.62	0.00	0.00
18	155.00	Cci OPA65R-BU4DA	2	40.758	44.833	0.53	0.75	8.99	94.50	0.000	0.000	402.99	0.00	0.00
19	155.00	Ericsson 4449 B5/B12	3	40.758	44.833	0.65	0.75	3.81	191.70	0.000	0.000	170.90	0.00	0.00
20	155.00	Ericcson 8843 B2/B66A	3	40.758	44.833	0.65	0.75	3.35	194.40	0.000	0.000	150.08	0.00	0.00
21	155.00	Raycap DC6-48-60-18-8F	1	40.758	44.833	0.75	0.75	1.65	29.52	0.000	0.000	73.98	0.00	0.00
22	155.00	Exposed Mount Pipes	12	40.758	44.833	0.75	0.75	13.77	324.00	0.000	0.000	617.36	0.00	0.00
23	152.50	Ericsson RRUS11 RRUs	6	40.569	44.626	0.60	0.90	11.79	275.40	0.000	0.000	526.35	0.00	0.00
24	152.50	Ring Mount (Part No	1	40.569	44.626	1.00	1.00	5.00	135.00	0.000	0.000	223.13	0.00	0.00
25	152.50	Raycap DC2-48-60-18-8F	1	40.569	44.626	0.90	0.90	1.32	29.52	0.000	0.000	59.04	0.00	0.00
26	145.00	Exposed Mount Pipes	12	39.988	43.987	0.75	0.75	14.13	324.00	0.000	0.000	621.54	0.00	0.00
27	145.00	ALU 800 Mhz- RRUs	6	39.988	43.987	0.50	0.75	7.51	286.20	0.000	0.000	330.23	0.00	0.00
28	145.00	ALU 1900 Mhz- RRUs	3	39.988	43.987	0.50	0.75	4.18	162.00	0.000	0.000	183.68	0.00	0.00
29	145.00	PRK-1245 (kicker kit)	1	39.988	43.987	1.00	1.00	9.50	418.42	0.000	0.000	417.88	0.00	0.00
30	145.00	(3) SFS-H-L (V-Braces)	1	39.988	43.987	1.00	1.00	6.70	207.00	0.000	0.000	294.71	0.00	0.00
31	145.00	NNVV-65B-R4	3	39.988	43.987	0.55	0.75	20.43	208.98	0.000	0.000	898.64	0.00	0.00
32	145.00	APXVTM14-C-I20	3	39.988	43.987	0.58	0.75	10.98	151.74	0.000	0.000	483.16	0.00	0.00
33	145.00	Platform w/ Hand Rails	1	39.988	43.987	1.00	1.00	28.50	1350.00	0.000	0.000	1253.64	0.00	0.00
34	145.00	ALU TD-RRH8x20-25-	3	39.988	43.987	0.50	0.75	6.11	189.00	0.000	0.000	268.56	0.00	0.00
35	135.00	Fujitsu TA08025-B605	3	39.180	43.098	0.50	0.75	2.95	202.50	0.000	0.000	127.34	0.00	0.00
36	135.00	Platform w/ Handrails	1	39.180	43.098	1.00	1.00	37.59	1554.30	0.000	0.000	1620.06	0.00	0.00
37	135.00	JMA Wireless	3	39.180	43.098	0.55	0.75	20.80	174.15	0.000	0.000	896.27	0.00	0.00
38	135.00	Raycap	1	39.180	43.098	1.00	1.00	2.01	19.67	0.000	0.000	86.63	0.00	0.00
39	135.00	Fujitsu TA08025-B604	3	39.180	43.098	0.50	0.75	2.95	172.53	0.000	0.000	127.34	0.00	0.00
40	125.00	Samsung RF4440d-13A	3	38.328	42.161	0.60	0.75	3.37	189.89	0.000	0.000	141.91	0.00	0.00
41	125.00	Lucent KS-24019 GPS	1	38.415	42.257	1.00	1.00	1.00	3.60	0.000	1.000	42.26	0.00	42.26
42	125.00	Low Profile Platform	1	38.328	42.161	1.00	1.00	25.00	1080.00	0.000	0.000	1054.02	0.00	0.00
43	125.00	JMA Wireless	6	38.328	42.161	0.65	0.75	38.64	324.00	0.000	0.000	1629.14	0.00	0.00
44	125.00	Samsung MT6407-77A	3	38.328	42.161	0.52	0.75	7.40	235.17	0.000	0.000	312.10	0.00	0.00
45	125.00	Samsung RF4439d-25A	3	38.328	42.161	0.60	0.75	3.37	201.69	0.000	0.000	141.91	0.00	0.00
46	125.00	VZWSMART	1	38.328	42.161	1.00	1.00	9.50	418.42	0.000	0.000	400.53	0.00	0.00
47	125.00	Handrail Kit (P2 1/2 STD)	1	38.328	42.161	1.00	1.00	6.75	235.55	0.000	0.000	284.59	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 20

48	125.00	VZWSMART	1	38.328	42.161	1.00	1.00	2.50	135.54	0.000	0.000	105.40	0.00	0.00
49	125.00	Antel	6	38.328	42.161	0.56	0.75	8.73	64.80	0.000	0.000	367.92	0.00	0.00
50	125.00	BSF0020F3V1-1	4	38.328	42.161	0.63	0.75	2.42	63.36	0.000	0.000	102.00	0.00	0.00
51	125.00	RFS DB-T1-6Z-8AB-0Z	2	38.328	42.161	0.64	0.75	6.12	79.20	0.000	0.000	258.02	0.00	0.00
							Totals:		**16,562.57**			**25,494.50**		

Total Applied Force Summary

Structure:	CT00594-S		**Code:**	TIA-222-H	7/10/2023
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (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

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 25

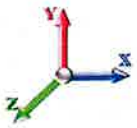
Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		662.24	1507.23	0.00	0.00
10.00		649.04	1586.84	0.00	0.00
15.00		635.84	1558.49	0.00	0.00
20.00		622.63	1530.15	0.00	0.00
25.00		609.43	1501.80	0.00	0.00
30.00		599.87	1473.45	0.00	0.00
32.83		344.59	822.37	0.00	0.00
35.00		271.22	1132.70	0.00	0.00
40.00		643.10	2574.56	0.00	0.00
45.00		650.86	1336.88	0.00	0.00
50.00		660.05	1310.30	0.00	0.00
55.00		667.27	1283.72	0.00	0.00
60.00		672.79	1257.15	0.00	0.00
65.00		676.82	1230.57	0.00	0.00
70.00		679.52	1204.00	0.00	0.00
75.00		681.03	1177.42	0.00	0.00
77.92		396.46	675.32	0.00	0.00
80.00		288.01	847.63	0.00	0.00
84.00		556.15	1606.39	0.00	0.00
85.00		136.62	213.81	0.00	0.00
90.00		689.09	1057.77	0.00	0.00
95.00		686.96	1032.97	0.00	0.00
100.00		684.06	1008.16	0.00	0.00
105.00		680.43	983.36	0.00	0.00
110.00		676.13	958.56	0.00	0.00
115.00		671.19	933.75	0.00	0.00
120.00		665.65	908.95	0.00	0.00
124.08		538.55	723.91	0.00	0.00
125.00	(32) attachments	4961.83	3272.05	0.00	42.26
129.00		438.19	985.21	0.00	0.00
130.00		107.78	113.47	0.00	0.00
135.00	(11) attachments	3390.20	2680.94	0.00	0.00
140.00		517.60	537.35	0.00	0.00
145.00	(33) attachments	5254.13	3818.75	0.00	0.00
150.00		486.05	488.29	0.00	0.00
152.50	(8) attachments	1044.80	678.09	0.00	0.00
155.00	(32) attachments	5757.53	3304.77	0.00	0.00
160.00		452.46	388.31	0.00	0.00
165.00	(26) attachments	5108.87	3719.92	0.00	0.00
170.00		416.98	302.63	0.00	0.00
175.00	(10) attachments	2435.75	1539.49	0.00	0.00
178.00		229.76	164.36	0.00	0.00
	Totals:	**46,997.52**	**55,431.86**	**0.00**	**42.26**

Linear Appurtenance Segment Forces (Factored)

Structure: CT00594-S
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/10/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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



Iterations 25

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)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.047	0.000	25.472	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.047	0.000	25.472	0.00	4.68
5.00	1 5/8" Coax	Yes	2.00	0.000	3.96	0.66	0.00	0.047	0.000	25.472	0.00	20.59
5.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	25.472	0.00	3.96
5.00	1/2" Coax	Yes	2.00	0.000	0.50	0.08	0.00	0.047	0.000	25.472	0.00	0.29
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.093	0.000	25.472	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.093	0.000	25.472	0.00	4.68
10.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.093	0.000	25.472	0.00	51.48
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.093	0.000	25.472	0.00	9.90
10.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.093	0.000	25.472	0.00	0.72
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.095	0.000	25.472	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.095	0.000	25.472	0.00	4.68
15.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.095	0.000	25.472	0.00	51.48
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.095	0.000	25.472	0.00	9.90
15.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.095	0.000	25.472	0.00	0.72
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.097	0.000	25.472	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.097	0.000	25.472	0.00	4.68
20.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.097	0.000	25.472	0.00	51.48
20.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.097	0.000	25.472	0.00	9.90
20.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.097	0.000	25.472	0.00	0.72
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.100	0.000	25.472	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.100	0.000	25.472	0.00	4.68
25.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.100	0.000	25.472	0.00	51.48
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	25.472	0.00	9.90
25.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.100	0.000	25.472	0.00	0.72
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.102	1.005	25.494	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.102	1.005	25.494	0.00	4.68
30.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.102	1.005	25.494	0.00	51.48
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.102	1.005	25.494	0.00	9.90
30.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.102	1.005	25.494	0.00	0.72
32.83	Safety Cable	Yes	2.83	0.000	0.38	0.09	0.00	0.104	1.011	26.160	0.00	0.70
32.83	Step bolts (ladder)	Yes	2.83	0.000	0.63	0.15	0.00	0.104	1.011	26.160	0.00	2.65
32.83	1 5/8" Coax	Yes	2.83	0.000	3.96	0.93	0.00	0.104	1.011	26.160	0.00	29.17
32.83	1 5/8" Fiber	Yes	2.83	0.000	0.00	0.00	0.00	0.104	1.011	26.160	0.00	5.61
32.83	1/2" Coax	Yes	2.83	0.000	0.50	0.12	0.00	0.104	1.011	26.160	0.00	0.41
35.00	Safety Cable	Yes	2.17	0.000	0.38	0.07	0.00	0.105	1.014	26.642	0.00	0.53
35.00	Step bolts (ladder)	Yes	2.17	0.000	0.63	0.11	0.00	0.105	1.014	26.642	0.00	2.03
35.00	1 5/8" Coax	Yes	2.17	0.000	3.96	0.72	0.00	0.105	1.014	26.642	0.00	22.31
35.00	1 5/8" Fiber	Yes	2.17	0.000	0.00	0.00	0.00	0.105	1.014	26.642	0.00	4.29
35.00	1/2" Coax	Yes	2.17	0.000	0.50	0.09	0.00	0.105	1.014	26.642	0.00	0.31
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.106	1.019	27.678	0.00	1.23
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.106	1.019	27.678	0.00	4.68
40.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.106	1.019	27.678	0.00	51.48
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.106	1.019	27.678	0.00	9.90
40.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.106	1.019	27.678	0.00	0.72
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.107	1.021	28.625	0.00	1.23
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.107	1.021	28.625	0.00	4.68

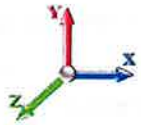
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 25

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)
45.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.107	1.021	28.625	0.00	51.48
45.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.107	1.021	28.625	0.00	9.90
45.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.107	1.021	28.625	0.00	0.72
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.109	1.028	29.500	0.00	1.23
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.109	1.028	29.500	0.00	4.68
50.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.109	1.028	29.500	0.00	51.48
50.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.109	1.028	29.500	0.00	9.90
50.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.109	1.028	29.500	0.00	0.72
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.112	1.036	30.314	0.00	1.23
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.112	1.036	30.314	0.00	4.68
55.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.112	1.036	30.314	0.00	51.48
55.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.112	1.036	30.314	0.00	9.90
55.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.112	1.036	30.314	0.00	0.72
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.115	1.045	31.077	0.00	1.23
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.115	1.045	31.077	0.00	4.68
60.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.115	1.045	31.077	0.00	51.48
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.115	1.045	31.077	0.00	9.90
60.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.115	1.045	31.077	0.00	0.72
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.118	1.054	31.796	0.00	1.23
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.118	1.054	31.796	0.00	4.68
65.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.118	1.054	31.796	0.00	51.48
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.118	1.054	31.796	0.00	9.90
65.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.118	1.054	31.796	0.00	0.72
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.121	1.063	32.477	0.00	1.23
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.121	1.063	32.477	0.00	4.68
70.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.121	1.063	32.477	0.00	51.48
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.121	1.063	32.477	0.00	9.90
70.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.121	1.063	32.477	0.00	0.72
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.124	1.073	33.123	0.00	1.23
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.124	1.073	33.123	0.00	4.68
75.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.124	1.073	33.123	0.00	51.48
75.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.124	1.073	33.123	0.00	9.90
75.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.124	1.073	33.123	0.00	0.72
77.92	Safety Cable	Yes	2.92	0.000	0.38	0.09	0.00	0.127	1.081	33.487	0.00	0.72
77.92	Step bolts (ladder)	Yes	2.92	0.000	0.63	0.15	0.00	0.127	1.081	33.487	0.00	2.73
77.92	1 5/8" Coax	Yes	2.92	0.000	3.96	0.96	0.00	0.127	1.081	33.487	0.00	30.06
77.92	1 5/8" Fiber	Yes	2.92	0.000	0.00	0.00	0.00	0.127	1.081	33.487	0.00	5.78
77.92	1/2" Coax	Yes	2.92	0.000	0.50	0.12	0.00	0.127	1.081	33.487	0.00	0.42
80.00	Safety Cable	Yes	2.08	0.000	0.38	0.07	0.00	0.129	1.086	33.740	0.00	0.51
80.00	Step bolts (ladder)	Yes	2.08	0.000	0.63	0.11	0.00	0.129	1.086	33.740	0.00	1.95
80.00	1 5/8" Coax	Yes	2.08	0.000	3.96	0.69	0.00	0.129	1.086	33.740	0.00	21.42
80.00	1 5/8" Fiber	Yes	2.08	0.000	0.00	0.00	0.00	0.129	1.086	33.740	0.00	4.12
80.00	1/2" Coax	Yes	2.08	0.000	0.50	0.09	0.00	0.129	1.086	33.740	0.00	0.30
84.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.131	1.093	34.214	0.00	0.98
84.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.131	1.093	34.214	0.00	3.75
84.00	1 5/8" Coax	Yes	4.00	0.000	3.96	1.32	0.00	0.131	1.093	34.214	0.00	41.22
84.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.131	1.093	34.214	0.00	7.93

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 25

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)
84.00	1/2" Coax	Yes	4.00	0.000	0.50	0.17	0.00	0.131	1.093	34.214	0.00	0.58
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.130	1.090	34.329	0.00	0.24
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.130	1.090	34.329	0.00	0.93
85.00	1 5/8" Coax	Yes	1.00	0.000	3.96	0.33	0.00	0.130	1.090	34.329	0.00	10.26
85.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.130	1.090	34.329	0.00	1.97
85.00	1/2" Coax	Yes	1.00	0.000	0.50	0.04	0.00	0.130	1.090	34.329	0.00	0.14
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.132	1.097	34.894	0.00	1.23
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.132	1.097	34.894	0.00	4.68
90.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.132	1.097	34.894	0.00	51.48
90.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.132	1.097	34.894	0.00	9.90
90.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.132	1.097	34.894	0.00	0.72
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.136	1.109	35.438	0.00	1.23
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.136	1.109	35.438	0.00	4.68
95.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.136	1.109	35.438	0.00	51.48
95.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.136	1.109	35.438	0.00	9.90
95.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.136	1.109	35.438	0.00	0.72
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.140	1.121	35.961	0.00	1.23
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.140	1.121	35.961	0.00	4.68
100.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.140	1.121	35.961	0.00	51.48
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.140	1.121	35.961	0.00	9.90
100.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.140	1.121	35.961	0.00	0.72
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.145	1.134	36.466	0.00	1.23
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.145	1.134	36.466	0.00	4.68
105.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.145	1.134	36.466	0.00	51.48
105.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.145	1.134	36.466	0.00	9.90
105.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.145	1.134	36.466	0.00	0.72
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.150	1.149	36.953	0.00	1.23
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.150	1.149	36.953	0.00	4.68
110.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.150	1.149	36.953	0.00	51.48
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.150	1.149	36.953	0.00	9.90
110.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.150	1.149	36.953	0.00	0.72
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.155	1.164	37.426	0.00	1.23
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.155	1.164	37.426	0.00	4.68
115.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.155	1.164	37.426	0.00	51.48
115.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.155	1.164	37.426	0.00	9.90
115.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.155	1.164	37.426	0.00	0.72
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.160	1.180	37.884	0.00	1.23
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.160	1.180	37.884	0.00	4.68
120.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.160	1.180	37.884	0.00	51.48
120.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.160	1.180	37.884	0.00	9.90
120.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.160	1.180	37.884	0.00	0.72
124.08	Safety Cable	Yes	4.08	0.000	0.38	0.13	0.00	0.165	1.195	38.248	0.00	1.00
124.08	Step bolts (ladder)	Yes	4.08	0.000	0.63	0.21	0.00	0.165	1.195	38.248	0.00	3.82
124.08	1 5/8" Coax	Yes	4.08	0.000	3.96	1.35	0.00	0.165	1.195	38.248	0.00	42.04
124.08	1 5/8" Fiber	Yes	4.08	0.000	0.00	0.00	0.00	0.165	1.195	38.248	0.00	8.08
124.08	1/2" Coax	Yes	4.08	0.000	0.50	0.17	0.00	0.165	1.195	38.248	0.00	0.59
125.00	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.168	1.204	38.328	0.00	0.23

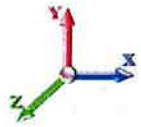
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 0.9D + 1.0W 123 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 25

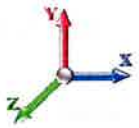
Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
125.00	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.168	1.204	38.328	0.00	0.86
125.00	1 5/8" Coax	Yes	0.92	0.000	3.96	0.30	0.00	0.168	1.204	38.328	0.00	9.44
125.00	1 5/8" Fiber	Yes	0.92	0.000	0.00	0.00	0.00	0.168	1.204	38.328	0.00	1.82
125.00	1/2" Coax	Yes	0.92	0.000	0.50	0.04	0.00	0.168	1.204	38.328	0.00	0.13
129.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	38.675	0.00	0.98
129.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	38.675	0.00	3.74
130.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	38.760	0.00	0.25
130.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	38.760	0.00	0.94
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	39.180	0.00	1.23
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	39.180	0.00	4.68
140.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	39.589	0.00	1.23
140.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	39.589	0.00	4.68
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	39.988	0.00	1.23
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	39.988	0.00	4.68
150.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	40.378	0.00	1.23
150.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	40.378	0.00	4.68
152.50	Safety Cable	Yes	2.50	0.000	0.38	0.08	0.00	0.038	0.000	40.569	0.00	0.61
152.50	Step bolts (ladder)	Yes	2.50	0.000	0.63	0.13	0.00	0.038	0.000	40.569	0.00	2.34
155.00	Safety Cable	Yes	2.50	0.000	0.38	0.08	0.00	0.039	0.000	40.758	0.00	0.61
155.00	Step bolts (ladder)	Yes	2.50	0.000	0.63	0.13	0.00	0.039	0.000	40.758	0.00	2.34
160.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.040	0.000	41.129	0.00	1.23
160.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.040	0.000	41.129	0.00	4.68
165.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.042	0.000	41.492	0.00	1.23
165.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.042	0.000	41.492	0.00	4.68
										Totals:	**0.0**	**1,710.2**

Calculated Forces

Structure: CT00594-S
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/10/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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



Iterations 25

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	-55.34	-47.10	0.00	-5879.1	0.00	5879.18	6109.19	1631.76	7852.82	7187.37	0.00	0.000	0.000	0.828
5.00	-53.67	-46.63	0.00	-5643.6	0.00	5643.69	6042.67	1599.27	7543.22	6966.35	0.11	-0.207	0.000	0.820
10.00	-51.91	-46.17	0.00	-5410.5	0.00	5410.54	5973.91	1566.78	7239.84	6745.94	0.44	-0.418	0.000	0.812
15.00	-50.19	-45.71	0.00	-5179.7	0.00	5179.71	5902.91	1534.29	6942.70	6526.30	0.99	-0.633	0.000	0.803
20.00	-48.49	-45.25	0.00	-4951.1	0.00	4951.18	5829.67	1501.80	6651.77	6307.60	1.78	-0.852	0.000	0.794
25.00	-46.83	-44.80	0.00	-4724.9	0.00	4724.93	5754.19	1469.31	6367.08	6089.98	2.79	-1.075	0.000	0.785
30.00	-45.23	-44.31	0.00	-4500.9	0.00	4500.93	5676.47	1436.82	6088.61	5873.62	4.04	-1.302	0.000	0.775
32.83	-44.32	-44.04	0.00	-4375.3	0.00	4375.38	5631.44	1418.41	5933.57	5751.63	4.85	-1.435	0.000	0.770
35.00	-43.07	-43.87	0.00	-4279.9	0.00	4279.96	5596.51	1404.33	5816.37	5658.66	5.52	-1.537	0.000	0.765
40.00	-40.33	-43.32	0.00	-4060.6	0.00	4060.63	5104.93	1311.76	5413.18	5145.84	7.26	-1.772	0.000	0.798
45.00	-38.84	-42.79	0.00	-3844.0	0.00	3844.06	5033.50	1281.30	5164.70	4954.92	9.24	-2.011	0.000	0.785
50.00	-37.37	-42.24	0.00	-3630.1	0.00	3630.13	4959.83	1250.84	4922.07	4765.22	11.48	-2.255	0.000	0.770
55.00	-35.94	-41.67	0.00	-3418.9	0.00	3418.94	4883.92	1220.38	4685.27	4576.90	13.98	-2.502	0.000	0.756
60.00	-34.53	-41.10	0.00	-3210.5	0.00	3210.57	4805.76	1189.92	4454.32	4390.12	16.73	-2.753	0.000	0.740
65.00	-33.16	-40.51	0.00	-3005.0	0.00	3005.09	4725.37	1159.46	4229.19	4205.04	19.75	-3.006	0.000	0.723
70.00	-31.81	-39.91	0.00	-2802.5	0.00	2802.56	4642.74	1129.00	4009.91	4021.83	23.03	-3.262	0.000	0.705
75.00	-30.54	-39.27	0.00	-2603.0	0.00	2603.04	4557.87	1098.54	3796.46	3840.63	26.58	-3.519	0.000	0.686
77.92	-29.80	-38.90	0.00	-2488.3	0.00	2488.39	4507.27	1080.76	3674.51	3735.80	28.78	-3.673	0.000	0.674
80.00	-28.87	-38.63	0.00	-2407.4	0.00	2407.48	4470.76	1068.08	3588.85	3661.61	30.41	-3.784	0.000	0.665
84.00	-27.21	-38.03	0.00	-2252.8	0.00	2252.82	4079.95	996.52	3347.20	3342.88	33.67	-3.994	0.000	0.682
85.00	-26.90	-37.96	0.00	-2214.9	0.00	2214.91	4064.53	990.86	3309.24	3311.11	34.51	-4.048	0.000	0.677
90.00	-25.73	-37.31	0.00	-2025.1	0.00	2025.13	3985.82	962.43	3122.08	3152.82	38.88	-4.308	0.000	0.650
95.00	-24.59	-36.66	0.00	-1838.5	0.00	1838.59	3904.88	934.00	2940.36	2996.54	43.53	-4.567	0.000	0.621
100.00	-23.48	-36.00	0.00	-1655.3	0.00	1655.31	3803.39	905.57	2764.09	2828.81	48.45	-4.824	0.000	0.593
105.00	-22.41	-35.33	0.00	-1475.3	0.00	1475.33	3683.99	877.14	2593.26	2652.97	53.63	-5.076	0.000	0.564
110.00	-21.37	-34.66	0.00	-1298.6	0.00	1298.68	3564.59	848.71	2427.89	2482.78	59.07	-5.322	0.000	0.531
115.00	-20.36	-33.99	0.00	-1125.3	0.00	1125.38	3445.19	820.28	2267.96	2318.23	64.77	-5.559	0.000	0.493
120.00	-19.41	-33.30	0.00	-955.45	0.00	955.45	3325.79	791.86	2113.49	2159.32	70.70	-5.784	0.000	0.450
124.08	-18.69	-32.73	0.00	-819.47	0.00	819.47	3228.28	768.64	1991.37	2033.73	75.72	-5.958	0.000	0.411
125.00	-15.90	-27.48	0.00	-789.42	0.00	789.42	3206.39	763.43	1964.46	2006.05	76.87	-5.997	0.000	0.400
129.00	-14.92	-26.96	0.00	-679.51	0.00	679.51	1872.41	487.58	1246.47	1169.59	81.95	-6.155	0.000	0.592
130.00	-14.75	-26.88	0.00	-652.55	0.00	652.55	1864.30	483.92	1227.85	1155.72	83.24	-6.194	0.000	0.576
135.00	-12.36	-23.27	0.00	-518.13	0.00	518.13	1822.43	465.65	1136.86	1086.70	89.86	-6.450	0.000	0.486
140.00	-11.80	-22.74	0.00	-401.78	0.00	401.78	1778.31	447.37	1049.37	1018.38	96.72	-6.675	0.000	0.404
145.00	-8.58	-17.10	0.00	-288.09	0.00	288.09	1731.96	429.10	965.39	950.92	103.80	-6.865	0.000	0.310
150.00	-8.12	-16.57	0.00	-202.61	0.00	202.61	1683.36	410.82	884.91	884.47	111.06	-7.018	0.000	0.236
152.50	-7.56	-15.46	0.00	-161.19	0.00	161.19	1658.23	401.68	845.98	851.67	114.75	-7.083	0.000	0.195
155.00	-4.99	-9.34	0.00	-122.55	0.00	122.55	1632.53	392.54	807.93	819.19	118.46	-7.137	0.000	0.153
160.00	-4.65	-8.85	0.00	-75.85	0.00	75.85	1571.93	374.27	734.45	751.65	125.97	-7.218	0.000	0.104
165.00	-1.60	-3.31	0.00	-31.61	0.00	31.61	1495.17	355.99	664.47	679.62	133.54	-7.269	0.000	0.048
170.00	-1.35	-2.86	0.00	-15.05	0.00	15.05	1418.42	337.72	598.00	611.22	141.14	-7.294	0.000	0.026
175.00	-0.13	-0.25	0.00	-0.75	0.00	0.75	1341.66	319.44	535.03	546.45	148.77	-7.305	0.000	0.001
178.00	0.00	-0.23	0.00	0.00	0.00	0.00	1295.60	308.48	498.93	509.33	153.35	-7.305	0.000	0.000

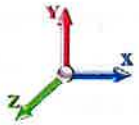
Wind Loading - Shaft

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.209	4.63	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.209	4.63	0.00	1.200	0.828	5.00	25.569	30.68	142.1	310.8	2190.2
10.00		1.00	0.70	4.209	4.63	0.00	1.200	0.887	5.00	25.123	30.15	139.6	326.8	2168.4
15.00		1.00	0.70	4.209	4.63	0.00	1.200	0.924	5.00	24.657	29.59	137.0	333.6	2137.4
20.00		1.00	0.70	4.209	4.63	0.00	1.200	0.951	5.00	24.184	29.02	134.4	336.4	2102.4
25.00		1.00	0.70	4.209	4.63	0.00	1.200	0.973	5.00	23.705	28.45	131.7	336.9	2065.1
30.00		1.00	0.70	4.213	4.63	0.00	1.206 *	0.991	5.00	23.224	28.02	129.8	335.8	2026.2
32.83	Bot - Section 2	1.00	0.72	4.323	4.76	0.00	1.213 *	0.999	2.83	12.945	15.70	74.6	189.7	1130.8
35.00		1.00	0.73	4.402	4.84	0.00	1.217 *	1.006	2.17	9.969	12.13	58.8	147.2	1538.7
40.00	Top - Section 1	1.00	0.76	4.574	5.03	0.00	1.223 *	1.019	5.00	22.661	27.72	139.5	336.8	3495.4
45.00		1.00	0.79	4.730	5.20	0.00	1.225 *	1.032	5.00	22.175	27.16	141.3	333.2	1841.5
50.00		1.00	0.81	4.875	5.36	0.00	1.234 *	1.042	5.00	21.688	26.77	143.5	329.0	1801.9
55.00		1.00	0.83	5.009	5.51	0.00	1.244 *	1.052	5.00	21.200	26.37	145.3	324.4	1761.8
60.00		1.00	0.85	5.135	5.65	0.00	1.254 *	1.062	5.00	20.712	25.97	146.7	319.4	1721.4
65.00		1.00	0.87	5.254	5.78	0.00	1.264 *	1.070	5.00	20.223	25.57	147.8	314.0	1680.6
70.00		1.00	0.89	5.367	5.90	0.00	1.276 *	1.078	5.00	19.734	25.17	148.6	308.4	1639.5
75.00		1.00	0.91	5.473	6.02	0.00	1.287 *	1.086	5.00	19.244	24.77	149.2	302.5	1598.2
77.92	Bot - Section 3	1.00	0.92	5.534	6.09	0.00	1.297 *	1.090	2.92	11.011	14.28	86.9	174.6	914.9
80.00		1.00	0.93	5.575	6.13	0.00	1.304 *	1.093	2.08	7.898	10.30	63.1	125.9	1142.0
84.00	Top - Section 2	1.00	0.94	5.654	6.22	0.00	1.312 *	1.098	4.00	14.964	19.63	122.1	238.2	2160.5
85.00		1.00	0.94	5.673	6.24	0.00	1.308 *	1.099	1.00	3.676	4.81	30.0	59.1	289.5
90.00		1.00	0.96	5.766	6.34	0.00	1.316 *	1.106	5.00	18.150	23.89	151.5	289.7	1425.9
95.00		1.00	0.97	5.856	6.44	0.00	1.330 *	1.112	5.00	17.659	23.49	151.3	283.1	1386.2
100.00		1.00	0.99	5.942	6.54	0.00	1.345 *	1.117	5.00	17.168	23.10	151.0	276.2	1346.3
105.00		1.00	1.00	6.026	6.63	0.00	1.361 *	1.123	5.00	16.676	22.70	150.5	269.3	1306.2
110.00		1.00	1.02	6.106	6.72	0.00	1.378 *	1.128	5.00	16.185	22.31	149.8	262.1	1266.0
115.00		1.00	1.03	6.184	6.80	0.00	1.396 *	1.133	5.00	15.693	21.91	149.1	254.9	1225.7
120.00		1.00	1.04	6.260	6.89	0.00	1.416 *	1.138	5.00	15.201	21.52	148.2	247.5	1185.3
124.08	Bot - Section 4	1.00	1.05	6.320	6.95	0.00	1.434 *	1.142	4.08	12.049	17.28	120.2	197.2	938.5
125.00	Appurtenance(s)	1.00	1.05	6.334	6.97	0.00	1.445 *	1.142	0.92	2.704	3.91	27.2	44.8	315.6
129.00	Top - Section 3	1.00	1.06	6.391	7.03	0.00	1.200	1.146	4.00	11.606	13.93	97.9	190.6	1351.1
130.00		1.00	1.07	6.405	7.05	0.00	1.200	1.147	1.00	2.852	3.42	24.1	47.3	160.4
135.00	Appurtenance(s)	1.00	1.08	6.474	7.12	0.00	1.200	1.151	5.00	13.967	16.76	119.4	229.0	781.4
140.00		1.00	1.09	6.542	7.20	0.00	1.200	1.155	5.00	13.474	16.17	116.4	221.3	752.4
145.00	Appurtenance(s)	1.00	1.10	6.608	7.27	0.00	1.200	1.160	5.00	12.982	15.58	113.2	213.5	723.3
150.00		1.00	1.11	6.672	7.34	0.00	1.200	1.163	5.00	12.489	14.99	110.0	205.5	694.1
152.50	Appurtenance(s)	1.00	1.11	6.704	7.37	0.00	1.200	1.165	2.50	6.059	7.27	53.6	100.8	337.1
155.00	Appurtenance(s)	1.00	1.12	6.735	7.41	0.00	1.200	1.167	2.50	5.936	7.12	52.8	98.8	329.8
160.00		1.00	1.13	6.796	7.48	0.00	1.200	1.171	5.00	11.503	13.80	103.2	189.5	635.5
165.00	Appurtenance(s)	1.00	1.14	6.856	7.54	0.00	1.200	1.175	5.00	11.010	13.21	99.6	181.3	606.1
170.00		1.00	1.15	6.915	7.61	0.00	1.200	1.178	5.00	10.517	12.62	96.0	173.1	576.6
175.00	Appurtenance(s)	1.00	1.16	6.973	7.67	0.00	1.200	1.182	5.00	10.024	12.03	92.3	164.8	547.1
178.00		1.00	1.17	7.007	7.71	0.00	1.200	1.184	3.00	5.777	6.93	53.4	95.9	315.0
								Totals:	**178.00**			**4,742.6**		**53,611.8**

* Cf Adjusted by Linear Load Ra Effect

Discrete Appurtenance Forces

Structure: CT00594-S
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/10/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	175.00	Exposed Mount Pipes	9	6.973	7.670	0.90	0.90	20.85	785.41	0.000	0.000	159.88	0.00	0.00
2	175.00	Abandoned Mount	1	6.973	7.670	1.00	1.00	45.34	1346.40	0.000	0.000	347.73	0.00	0.00
3	165.00	Kathrein 782 11056	3	6.856	7.542	0.58	0.75	0.57	4.89	0.000	0.000	4.32	0.00	0.00
4	165.00	Reinf. Kit (SitePro1	3	6.856	7.542	0.75	1.00	19.98	760.25	0.000	0.000	150.69	0.00	0.00
5	165.00	Ericsson AIR6419 B41	3	6.856	7.542	0.57	0.75	7.41	364.12	0.000	0.000	55.92	0.00	0.00
6	165.00	Ericsson 4460 B25 + B66	3	6.856	7.542	0.50	0.75	4.98	486.59	0.000	0.000	37.56	0.00	0.00
7	165.00	Platform w/ Hand Rails	1	6.856	7.542	1.00	1.00	54.10	3209.54	0.000	0.000	407.99	0.00	0.00
8	165.00	RFS	3	6.856	7.542	0.52	0.75	33.87	1270.69	0.000	0.000	255.43	0.00	0.00
9	165.00	Ericsson KRY 112 489/2	6	6.856	7.542	0.50	0.75	3.20	152.04	0.000	0.000	24.15	0.00	0.00
10	165.00	Ericsson 4449 B71 + B85	3	6.856	7.542	0.50	0.75	3.53	322.58	0.000	0.000	26.59	0.00	0.00
11	165.00	(3) SFS-H-L (V-Braces)	1	6.856	7.542	1.00	1.00	11.42	391.13	0.000	0.000	86.15	0.00	0.00
12	155.00	PRK-1245 (kicker kit)	1	6.735	7.409	1.00	1.00	16.15	679.88	0.000	0.000	119.67	0.00	0.00
13	155.00	(3) 12.5' - 2" Horizontal	3	6.735	7.409	1.00	1.00	32.78	635.01	0.000	0.000	242.87	0.00	0.00
14	155.00	Cci OPA65R-BU8DA	4	6.735	7.409	0.65	0.75	32.84	468.09	0.000	0.000	243.33	0.00	0.00
15	155.00	(3) Stabilizer Kit (12' FW)	1	6.735	7.409	1.00	1.00	10.37	297.28	0.000	0.000	76.84	0.00	0.00
16	155.00	Platform w/ Hand Rails	1	6.735	7.409	1.00	1.00	38.48	654.23	0.000	0.000	285.08	0.00	0.00
17	155.00	Nokia CS72188.01 LMU	1	6.735	7.409	1.00	1.00	0.27	0.94	0.000	0.000	1.99	0.00	0.00
18	155.00	Cci OPA65R-BU4DA	2	6.735	7.409	0.54	0.75	9.99	164.45	0.000	0.000	73.99	0.00	0.00
19	155.00	Ericsson 4449 B5/B12	3	6.735	7.409	0.65	0.75	4.59	1261.56	0.000	0.000	34.03	0.00	0.00
20	155.00	Ericcson 8843 B2/B66A	3	6.735	7.409	0.65	0.75	4.07	273.05	0.000	0.000	30.17	0.00	0.00
21	155.00	Raycap DC6-48-60-18-8F	1	6.735	7.409	0.75	0.75	1.97	45.88	0.000	0.000	14.56	0.00	0.00
22	155.00	Exposed Mount Pipes	12	6.735	7.409	0.75	0.75	18.59	1044.14	0.000	0.000	137.74	0.00	0.00
23	152.50	Ericsson RRUS11 RRUs	6	6.704	7.374	0.60	0.90	14.89	541.35	0.000	0.000	109.80	0.00	0.00
24	152.50	Ring Mount (Part No	1	6.704	7.374	1.00	1.00	7.33	-36.09	0.000	0.000	54.06	0.00	0.00
25	152.50	Raycap DC2-48-60-18-8F	1	6.704	7.374	0.90	0.90	1.74	62.94	0.000	0.000	12.86	0.00	0.00
26	145.00	Exposed Mount Pipes	12	6.608	7.269	0.75	0.75	22.32	1092.55	0.000	0.000	162.25	0.00	0.00
27	145.00	ALU 800 Mhz- RRUs	6	6.608	7.269	0.50	0.75	9.80	549.84	0.000	0.000	71.22	0.00	0.00
28	145.00	ALU 1900 Mhz- RRUs	3	6.608	7.269	0.50	0.75	5.45	310.61	0.000	0.000	39.59	0.00	0.00
29	145.00	PRK-1245 (kicker kit)	1	6.608	7.269	1.00	1.00	16.11	678.43	0.000	0.000	117.09	0.00	0.00
30	145.00	(3) SFS-H-L (V-Braces)	1	6.608	7.269	1.00	1.00	11.36	388.36	0.000	0.000	82.58	0.00	0.00
31	145.00	NNVV-65B-R4	3	6.608	7.269	0.55	0.75	22.04	650.42	0.000	0.000	160.20	0.00	0.00
32	145.00	APXVTM14-C-I20	3	6.608	7.269	0.58	0.75	12.24	500.66	0.000	0.000	88.95	0.00	0.00
33	145.00	Platform w/ Hand Rails	1	6.608	7.269	1.00	1.00	38.41	1743.59	0.000	0.000	279.22	0.00	0.00
34	145.00	ALU TD-RRH8x20-25-	3	6.608	7.269	0.50	0.75	6.90	457.07	0.000	0.000	50.14	0.00	0.00
35	135.00	Fujitsu TA08025-B605	3	6.474	7.122	0.50	0.75	3.51	335.71	0.000	0.000	25.02	0.00	0.00
36	135.00	Platform w/ Handrails	1	6.474	7.122	1.00	1.00	68.75	2812.83	0.000	0.000	489.62	0.00	0.00
37	135.00	JMA Wireless	3	6.474	7.122	0.55	0.75	22.40	606.25	0.000	0.000	159.56	0.00	0.00
38	135.00	Raycap	1	6.474	7.122	1.00	1.00	2.38	83.12	0.000	0.000	16.98	0.00	0.00
39	135.00	Fujitsu TA08025-B604	3	6.474	7.122	0.50	0.75	3.51	293.94	0.000	0.000	25.02	0.00	0.00
40	125.00	Samsung RF4440d-13A	3	6.334	6.967	0.61	0.75	4.11	346.79	0.000	0.000	28.61	0.00	0.00
41	125.00	Lucent KS-24019 GPS	1	6.348	6.983	1.00	1.00	1.34	8.50	0.000	1.000	9.37	0.00	9.37
42	125.00	Low Profile Platform	1	6.334	6.967	1.00	1.00	38.71	1825.47	0.000	0.000	269.69	0.00	0.00
43	125.00	JMA Wireless	6	6.334	6.967	0.66	0.75	42.55	1125.60	0.000	0.000	296.44	0.00	0.00
44	125.00	Samsung MT6407-77A	3	6.334	6.967	0.53	0.75	8.45	480.77	0.000	0.000	58.88	0.00	0.00
45	125.00	Samsung RF4439d-25A	3	6.334	6.967	0.61	0.75	4.11	375.59	0.000	0.000	28.61	0.00	0.00
46	125.00	VZWSMART	1	6.334	6.967	1.00	1.00	16.01	675.26	0.000	0.000	111.55	0.00	0.00
47	125.00	Handrail Kit (P2 1/2 STD)	1	6.334	6.967	1.00	1.00	11.07	779.11	0.000	0.000	77.11	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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

48	125.00	VZWSMART	1	6.334	6.967	1.00	1.00	4.21	252.06	0.000	0.000	29.36	0.00	0.00
49	125.00	Antel	6	6.334	6.967	0.57	0.75	9.97	391.77	0.000	0.000	69.49	0.00	0.00
50	125.00	BSF0020F3V1-1	4	6.334	6.967	0.75	0.75	3.66	11.38	0.000	0.000	25.50	0.00	0.00
51	125.00	RFS DB-T1-6Z-8AB-0Z	2	6.334	6.967	0.65	0.75	6.91	242.12	0.000	0.000	48.13	0.00	0.00
							Totals:		**32,204.13**			**5,813.60**	

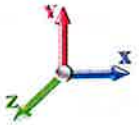
Total Applied Force Summary

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		142.06	2379.89	0.00	0.00
10.00		139.58	2583.03	0.00	0.00
15.00		137.00	2558.03	0.00	0.00
20.00		134.37	2527.46	0.00	0.00
25.00		131.71	2493.69	0.00	0.00
30.00		129.83	2457.80	0.00	0.00
32.83		74.65	1376.19	0.00	0.00
35.00		58.75	1726.81	0.00	0.00
40.00		139.46	3931.79	0.00	0.00
45.00		141.33	2279.97	0.00	0.00
50.00		143.52	2242.22	0.00	0.00
55.00		145.29	2203.86	0.00	0.00
60.00		146.70	2164.99	0.00	0.00
65.00		147.79	2125.67	0.00	0.00
70.00		148.60	2085.96	0.00	0.00
75.00		149.16	2045.91	0.00	0.00
77.92		86.94	1176.76	0.00	0.00
80.00		63.15	1328.73	0.00	0.00
84.00		122.06	2520.72	0.00	0.00
85.00		30.01	379.20	0.00	0.00
90.00		151.53	1877.10	0.00	0.00
95.00		151.33	1838.40	0.00	0.00
100.00		150.97	1799.49	0.00	0.00
105.00		150.47	1760.40	0.00	0.00
110.00		149.83	1721.13	0.00	0.00
115.00		149.07	1681.70	0.00	0.00
120.00		148.19	1642.12	0.00	0.00
124.08		120.16	1312.11	0.00	0.00
125.00	(32) attachments	1079.96	6913.96	0.00	9.37
129.00		97.91	1520.76	0.00	0.00
130.00		24.11	202.79	0.00	0.00
135.00	(11) attachments	835.56	5125.50	0.00	0.00
140.00		116.35	958.78	0.00	0.00
145.00	(33) attachments	1164.49	7301.34	0.00	0.00
150.00		109.99	877.87	0.00	0.00
152.50	(8) attachments	230.34	997.20	0.00	0.00
155.00	(32) attachments	1313.06	5946.21	0.00	0.00
160.00		103.20	728.74	0.00	0.00
165.00	(26) attachments	1148.44	7661.28	0.00	0.00
170.00		96.00	576.62	0.00	0.00
175.00	(10) attachments	599.87	2678.89	0.00	0.00
178.00		53.43	315.04	0.00	0.00
	Totals:	**10,556.22**	**98,026.12**	**0.00**	**9.37**

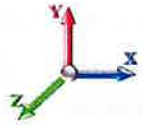
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.85	0.00	0.047	0.000	4.209	0.00	7.09
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.95	0.00	0.047	0.000	4.209	0.00	12.60
5.00	1 5/8" Coax	Yes	2.00	0.000	3.96	0.94	0.00	0.047	0.000	4.209	0.00	64.38
5.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	4.209	0.00	13.44
5.00	1/2" Coax	Yes	2.00	0.000	0.50	0.36	0.00	0.047	0.000	4.209	0.00	2.97
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.90	0.00	0.093	0.000	4.209	0.00	7.80
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.00	0.00	0.093	0.000	4.209	0.00	13.37
10.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.39	0.00	0.093	0.000	4.209	0.00	166.61
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.093	0.000	4.209	0.00	35.15
10.00	1/2" Coax	Yes	5.00	0.000	0.50	0.95	0.00	0.093	0.000	4.209	0.00	8.19
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.93	0.00	0.095	0.000	4.209	0.00	8.26
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.03	0.00	0.095	0.000	4.209	0.00	13.87
15.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.42	0.00	0.095	0.000	4.209	0.00	170.13
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.095	0.000	4.209	0.00	36.13
15.00	1/2" Coax	Yes	5.00	0.000	0.50	0.98	0.00	0.095	0.000	4.209	0.00	8.69
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.95	0.00	0.097	0.000	4.209	0.00	8.61
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.06	0.00	0.097	0.000	4.209	0.00	14.24
20.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.44	0.00	0.097	0.000	4.209	0.00	172.72
20.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.097	0.000	4.209	0.00	36.86
20.00	1/2" Coax	Yes	5.00	0.000	0.50	1.00	0.00	0.097	0.000	4.209	0.00	9.07
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.97	0.00	0.100	0.000	4.209	0.00	8.89
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.07	0.00	0.100	0.000	4.209	0.00	14.55
25.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.46	0.00	0.100	0.000	4.209	0.00	174.79
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	4.209	0.00	37.45
25.00	1/2" Coax	Yes	5.00	0.000	0.50	1.02	0.00	0.100	0.000	4.209	0.00	9.37
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.98	0.00	0.102	1.005	4.213	0.00	9.13
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.09	0.00	0.102	1.005	4.213	0.00	14.80
30.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.48	0.00	0.102	1.005	4.213	0.00	176.52
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.102	1.005	4.213	0.00	37.94
30.00	1/2" Coax	Yes	5.00	0.000	0.50	1.03	0.00	0.102	1.005	4.213	0.00	9.63
32.83	Safety Cable	Yes	2.83	0.000	0.38	0.56	0.00	0.104	1.011	4.323	0.00	5.25
32.83	Step bolts (ladder)	Yes	2.83	0.000	0.63	0.62	0.00	0.104	1.011	4.323	0.00	8.46
32.83	1 5/8" Coax	Yes	2.83	0.000	3.96	1.41	0.00	0.104	1.011	4.323	0.00	100.52
32.83	1 5/8" Fiber	Yes	2.83	0.000	0.00	0.00	0.00	0.104	1.011	4.323	0.00	21.64
32.83	1/2" Coax	Yes	2.83	0.000	0.50	0.59	0.00	0.104	1.011	4.323	0.00	5.53
35.00	Safety Cable	Yes	2.17	0.000	0.38	0.43	0.00	0.105	1.014	4.402	0.00	4.05
35.00	Step bolts (ladder)	Yes	2.17	0.000	0.63	0.48	0.00	0.105	1.014	4.402	0.00	6.51
35.00	1 5/8" Coax	Yes	2.17	0.000	3.96	1.08	0.00	0.105	1.014	4.402	0.00	77.14
35.00	1 5/8" Fiber	Yes	2.17	0.000	0.00	0.00	0.00	0.105	1.014	4.402	0.00	16.63
35.00	1/2" Coax	Yes	2.17	0.000	0.50	0.45	0.00	0.105	1.014	4.402	0.00	4.27
40.00	Safety Cable	Yes	5.00	0.000	0.38	1.01	0.00	0.106	1.019	4.574	0.00	9.53
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.11	0.00	0.106	1.019	4.574	0.00	15.23
40.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.50	0.00	0.106	1.019	4.574	0.00	179.33
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.106	1.019	4.574	0.00	38.74
40.00	1/2" Coax	Yes	5.00	0.000	0.50	1.06	0.00	0.106	1.019	4.574	0.00	10.06
45.00	Safety Cable	Yes	5.00	0.000	0.38	1.02	0.00	0.107	1.021	4.730	0.00	9.70
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.12	0.00	0.107	1.021	4.730	0.00	15.41

Linear Appurtenance Segment Forces (Factored)

Structure: CT00594-S
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/10/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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

Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
45.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.51	0.00	0.107	1.021	4.730	0.00	180.50
45.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.107	1.021	4.730	0.00	39.08
45.00	1/2" Coax	Yes	5.00	0.000	0.50	1.07	0.00	0.107	1.021	4.730	0.00	10.24
50.00	Safety Cable	Yes	5.00	0.000	0.38	1.03	0.00	0.109	1.028	4.875	0.00	9.85
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.13	0.00	0.109	1.028	4.875	0.00	15.57
50.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.52	0.00	0.109	1.028	4.875	0.00	181.57
50.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.109	1.028	4.875	0.00	39.39
50.00	1/2" Coax	Yes	5.00	0.000	0.50	1.08	0.00	0.109	1.028	4.875	0.00	10.41
55.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.112	1.036	5.009	0.00	10.00
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.14	0.00	0.112	1.036	5.009	0.00	15.73
55.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.53	0.00	0.112	1.036	5.009	0.00	182.54
55.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.112	1.036	5.009	0.00	39.67
55.00	1/2" Coax	Yes	5.00	0.000	0.50	1.09	0.00	0.112	1.036	5.009	0.00	10.56
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.115	1.045	5.135	0.00	10.13
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.115	1.045	5.135	0.00	15.87
60.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.53	0.00	0.115	1.045	5.135	0.00	183.44
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.115	1.045	5.135	0.00	39.94
60.00	1/2" Coax	Yes	5.00	0.000	0.50	1.09	0.00	0.115	1.045	5.135	0.00	10.70
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.05	0.00	0.118	1.054	5.254	0.00	10.25
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.118	1.054	5.254	0.00	16.00
65.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.54	0.00	0.118	1.054	5.254	0.00	184.27
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.118	1.054	5.254	0.00	40.18
65.00	1/2" Coax	Yes	5.00	0.000	0.50	1.10	0.00	0.118	1.054	5.254	0.00	10.84
70.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.121	1.063	5.367	0.00	10.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.16	0.00	0.121	1.063	5.367	0.00	16.12
70.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.55	0.00	0.121	1.063	5.367	0.00	185.05
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.121	1.063	5.367	0.00	40.41
70.00	1/2" Coax	Yes	5.00	0.000	0.50	1.11	0.00	0.121	1.063	5.367	0.00	10.96
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.124	1.073	5.473	0.00	10.48
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.124	1.073	5.473	0.00	16.24
75.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.55	0.00	0.124	1.073	5.473	0.00	185.78
75.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.124	1.073	5.473	0.00	40.62
75.00	1/2" Coax	Yes	5.00	0.000	0.50	1.11	0.00	0.124	1.073	5.473	0.00	11.08
77.92	Safety Cable	Yes	2.92	0.000	0.38	0.62	0.00	0.127	1.081	5.534	0.00	6.16
77.92	Step bolts (ladder)	Yes	2.92	0.000	0.63	0.68	0.00	0.127	1.081	5.534	0.00	9.52
77.92	1 5/8" Coax	Yes	2.92	0.000	3.96	1.49	0.00	0.127	1.081	5.534	0.00	108.73
77.92	1 5/8" Fiber	Yes	2.92	0.000	0.00	0.00	0.00	0.127	1.081	5.534	0.00	23.79
77.92	1/2" Coax	Yes	2.92	0.000	0.50	0.65	0.00	0.127	1.081	5.534	0.00	6.51
80.00	Safety Cable	Yes	2.08	0.000	0.38	0.44	0.00	0.129	1.086	5.575	0.00	4.40
80.00	Step bolts (ladder)	Yes	2.08	0.000	0.63	0.49	0.00	0.129	1.086	5.575	0.00	6.80
80.00	1 5/8" Coax	Yes	2.08	0.000	3.96	1.07	0.00	0.129	1.086	5.575	0.00	77.57
80.00	1 5/8" Fiber	Yes	2.08	0.000	0.00	0.00	0.00	0.129	1.086	5.575	0.00	16.98
80.00	1/2" Coax	Yes	2.08	0.000	0.50	0.47	0.00	0.129	1.086	5.575	0.00	4.66
84.00	Safety Cable	Yes	4.00	0.000	0.38	0.86	0.00	0.131	1.093	5.654	0.00	8.54
84.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.94	0.00	0.131	1.093	5.654	0.00	13.16
84.00	1 5/8" Coax	Yes	4.00	0.000	3.96	2.05	0.00	0.131	1.093	5.654	0.00	149.72
84.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.131	1.093	5.654	0.00	32.81

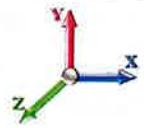
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
84.00	1/2" Coax	Yes	4.00	0.000	0.50	0.90	0.00	0.131	1.093	5.654	0.00	9.03
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.21	0.00	0.130	1.090	5.673	0.00	2.13
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.23	0.00	0.130	1.090	5.673	0.00	3.28
85.00	1 5/8" Coax	Yes	1.00	0.000	3.96	0.51	0.00	0.130	1.090	5.673	0.00	37.30
85.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.130	1.090	5.673	0.00	8.18
85.00	1/2" Coax	Yes	1.00	0.000	0.50	0.22	0.00	0.130	1.090	5.673	0.00	2.25
90.00	Safety Cable	Yes	5.00	0.000	0.38	1.08	0.00	0.132	1.097	5.766	0.00	10.77
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.18	0.00	0.132	1.097	5.766	0.00	16.56
90.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.57	0.00	0.132	1.097	5.766	0.00	187.74
90.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.132	1.097	5.766	0.00	41.20
90.00	1/2" Coax	Yes	5.00	0.000	0.50	1.13	0.00	0.132	1.097	5.766	0.00	11.40
95.00	Safety Cable	Yes	5.00	0.000	0.38	1.08	0.00	0.136	1.109	5.856	0.00	10.86
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.19	0.00	0.136	1.109	5.856	0.00	16.65
95.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.58	0.00	0.136	1.109	5.856	0.00	188.33
95.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.136	1.109	5.856	0.00	41.38
95.00	1/2" Coax	Yes	5.00	0.000	0.50	1.13	0.00	0.136	1.109	5.856	0.00	11.49
100.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.140	1.121	5.942	0.00	10.95
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.19	0.00	0.140	1.121	5.942	0.00	16.74
100.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.58	0.00	0.140	1.121	5.942	0.00	188.89
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.140	1.121	5.942	0.00	41.54
100.00	1/2" Coax	Yes	5.00	0.000	0.50	1.14	0.00	0.140	1.121	5.942	0.00	11.59
105.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.145	1.134	6.026	0.00	11.03
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.20	0.00	0.145	1.134	6.026	0.00	16.83
105.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.59	0.00	0.145	1.134	6.026	0.00	189.43
105.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.145	1.134	6.026	0.00	41.70
105.00	1/2" Coax	Yes	5.00	0.000	0.50	1.14	0.00	0.145	1.134	6.026	0.00	11.67
110.00	Safety Cable	Yes	5.00	0.000	0.38	1.10	0.00	0.150	1.149	6.106	0.00	11.11
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.20	0.00	0.150	1.149	6.106	0.00	16.92
110.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.59	0.00	0.150	1.149	6.106	0.00	189.94
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.150	1.149	6.106	0.00	41.86
110.00	1/2" Coax	Yes	5.00	0.000	0.50	1.15	0.00	0.150	1.149	6.106	0.00	11.76
115.00	Safety Cable	Yes	5.00	0.000	0.38	1.10	0.00	0.155	1.164	6.184	0.00	11.19
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.155	1.164	6.184	0.00	17.00
115.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.59	0.00	0.155	1.164	6.184	0.00	190.44
115.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.155	1.164	6.184	0.00	42.00
115.00	1/2" Coax	Yes	5.00	0.000	0.50	1.15	0.00	0.155	1.164	6.184	0.00	11.84
120.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.160	1.180	6.260	0.00	11.26
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.160	1.180	6.260	0.00	17.08
120.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.60	0.00	0.160	1.180	6.260	0.00	190.92
120.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.160	1.180	6.260	0.00	42.15
120.00	1/2" Coax	Yes	5.00	0.000	0.50	1.16	0.00	0.160	1.180	6.260	0.00	11.92
124.08	Safety Cable	Yes	4.08	0.000	0.38	0.91	0.00	0.165	1.195	6.320	0.00	9.25
124.08	Step bolts (ladder)	Yes	4.08	0.000	0.63	0.99	0.00	0.165	1.195	6.320	0.00	14.00
124.08	1 5/8" Coax	Yes	4.08	0.000	3.96	2.12	0.00	0.165	1.195	6.320	0.00	156.22
124.08	1 5/8" Fiber	Yes	4.08	0.000	0.00	0.00	0.00	0.165	1.195	6.320	0.00	34.51
124.08	1/2" Coax	Yes	4.08	0.000	0.50	0.95	0.00	0.165	1.195	6.320	0.00	9.79
125.00	Safety Cable	Yes	0.92	0.000	0.38	0.20	0.00	0.168	1.204	6.334	0.00	2.08

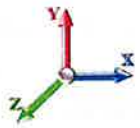
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
125.00	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.22	0.00	0.168	1.204	6.334	0.00	3.14
125.00	1 5/8" Coax	Yes	0.92	0.000	3.96	0.48	0.00	0.168	1.204	6.334	0.00	35.09
125.00	1 5/8" Fiber	Yes	0.92	0.000	0.00	0.00	0.00	0.168	1.204	6.334	0.00	7.75
125.00	1/2" Coax	Yes	0.92	0.000	0.50	0.21	0.00	0.168	1.204	6.334	0.00	2.20
129.00	Safety Cable	Yes	4.00	0.000	0.38	0.89	0.00	0.032	0.000	6.391	0.00	9.11
129.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.97	0.00	0.032	0.000	6.391	0.00	13.77
130.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.032	0.000	6.405	0.00	2.28
130.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.032	0.000	6.405	0.00	3.45
135.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.032	0.000	6.474	0.00	11.47
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.032	0.000	6.474	0.00	17.30
140.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.034	0.000	6.542	0.00	11.54
140.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.23	0.00	0.034	0.000	6.542	0.00	17.37
145.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.035	0.000	6.608	0.00	11.60
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.23	0.00	0.035	0.000	6.608	0.00	17.43
150.00	Safety Cable	Yes	5.00	0.000	0.38	1.13	0.00	0.037	0.000	6.672	0.00	11.66
150.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.23	0.00	0.037	0.000	6.672	0.00	17.50
152.50	Safety Cable	Yes	2.50	0.000	0.38	0.56	0.00	0.038	0.000	6.704	0.00	5.85
152.50	Step bolts (ladder)	Yes	2.50	0.000	0.63	0.62	0.00	0.038	0.000	6.704	0.00	8.77
155.00	Safety Cable	Yes	2.50	0.000	0.38	0.57	0.00	0.039	0.000	6.735	0.00	5.86
155.00	Step bolts (ladder)	Yes	2.50	0.000	0.63	0.62	0.00	0.039	0.000	6.735	0.00	8.78
160.00	Safety Cable	Yes	5.00	0.000	0.38	1.13	0.00	0.040	0.000	6.796	0.00	11.78
160.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.24	0.00	0.040	0.000	6.796	0.00	17.63
165.00	Safety Cable	Yes	5.00	0.000	0.38	1.14	0.00	0.042	0.000	6.856	0.00	11.84
165.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.24	0.00	0.042	0.000	6.856	0.00	17.69
										Totals:	**0.0**	**6,557.5**

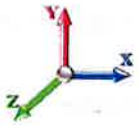
Calculated Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-98.02	-10.60	0.00	-1392.7	0.00	1392.74	6109.19	1631.76	7852.82	7187.37	0.00	0.000	0.000	0.210
5.00	-95.63	-10.54	0.00	-1339.7	0.00	1339.74	6042.67	1599.27	7543.22	6966.35	0.03	-0.049	0.000	0.208
10.00	-93.04	-10.48	0.00	-1287.0	0.00	1287.06	5973.91	1566.78	7239.84	6745.94	0.10	-0.099	0.000	0.206
15.00	-90.47	-10.42	0.00	-1234.6	0.00	1234.67	5902.91	1534.29	6942.70	6526.30	0.24	-0.150	0.000	0.205
20.00	-87.94	-10.36	0.00	-1182.5	0.00	1182.59	5829.67	1501.80	6651.77	6307.60	0.42	-0.203	0.000	0.203
25.00	-85.43	-10.29	0.00	-1130.8	0.00	1130.81	5754.19	1469.31	6367.08	6089.98	0.66	-0.256	0.000	0.201
30.00	-82.97	-10.21	0.00	-1079.3	0.00	1079.34	5676.47	1436.82	6088.61	5873.62	0.96	-0.310	0.000	0.198
32.83	-81.59	-10.17	0.00	-1050.4	0.00	1050.40	5631.44	1418.41	5933.57	5751.63	1.15	-0.342	0.000	0.197
35.00	-79.85	-10.16	0.00	-1028.3	0.00	1028.36	5596.51	1404.33	5816.37	5658.66	1.31	-0.367	0.000	0.196
40.00	-75.91	-10.07	0.00	-977.57	0.00	977.57	5104.93	1311.76	5413.18	5145.84	1.73	-0.423	0.000	0.205
45.00	-73.63	-9.98	0.00	-927.22	0.00	927.22	5033.50	1281.30	5164.70	4954.92	2.20	-0.481	0.000	0.202
50.00	-71.37	-9.89	0.00	-877.31	0.00	877.31	4959.83	1250.84	4922.07	4765.22	2.74	-0.540	0.000	0.199
55.00	-69.16	-9.80	0.00	-827.83	0.00	827.83	4883.92	1220.38	4685.27	4576.90	3.34	-0.600	0.000	0.195
60.00	-66.99	-9.70	0.00	-778.84	0.00	778.84	4805.76	1189.92	4454.32	4390.12	4.00	-0.660	0.000	0.191
65.00	-64.85	-9.60	0.00	-730.33	0.00	730.33	4725.37	1159.46	4229.19	4205.04	4.72	-0.722	0.000	0.187
70.00	-62.76	-9.49	0.00	-682.35	0.00	682.35	4642.74	1129.00	4009.91	4021.83	5.51	-0.784	0.000	0.183
75.00	-60.71	-9.36	0.00	-634.90	0.00	634.90	4557.87	1098.54	3796.46	3840.63	6.37	-0.847	0.000	0.179
77.92	-59.53	-9.29	0.00	-607.55	0.00	607.55	4507.27	1080.76	3674.51	3735.80	6.90	-0.884	0.000	0.176
80.00	-58.19	-9.25	0.00	-588.22	0.00	588.22	4470.76	1068.08	3588.85	3661.61	7.29	-0.911	0.000	0.174
84.00	-55.67	-9.12	0.00	-551.20	0.00	551.20	4079.95	996.52	3347.20	3342.88	8.07	-0.963	0.000	0.179
85.00	-55.29	-9.12	0.00	-542.11	0.00	542.11	4064.53	990.86	3309.24	3311.11	8.28	-0.976	0.000	0.177
90.00	-53.40	-8.99	0.00	-496.52	0.00	496.52	3985.82	962.43	3122.08	3152.82	9.33	-1.040	0.000	0.171
95.00	-51.56	-8.86	0.00	-451.55	0.00	451.55	3904.88	934.00	2940.36	2996.54	10.46	-1.103	0.000	0.164
100.00	-49.75	-8.73	0.00	-407.23	0.00	407.23	3803.39	905.57	2764.09	2828.81	11.64	-1.166	0.000	0.157
105.00	-47.98	-8.60	0.00	-363.57	0.00	363.57	3683.99	877.14	2593.26	2652.97	12.90	-1.228	0.000	0.150
110.00	-46.26	-8.46	0.00	-320.59	0.00	320.59	3564.59	848.71	2427.89	2482.78	14.22	-1.289	0.000	0.142
115.00	-44.57	-8.31	0.00	-278.30	0.00	278.30	3445.19	820.28	2267.96	2318.23	15.60	-1.348	0.000	0.133
120.00	-42.93	-8.16	0.00	-236.74	0.00	236.74	3325.79	791.86	2113.49	2159.32	17.04	-1.403	0.000	0.123
124.08	-41.61	-8.03	0.00	-203.40	0.00	203.40	3228.28	768.64	1991.37	2033.73	18.26	-1.447	0.000	0.113
125.00	-34.73	-6.79	0.00	-196.03	0.00	196.03	3206.39	763.43	1964.46	2006.05	18.54	-1.456	0.000	0.109
129.00	-33.21	-6.67	0.00	-168.88	0.00	168.88	1872.41	487.58	1246.47	1169.59	19.78	-1.495	0.000	0.162
130.00	-33.00	-6.66	0.00	-162.21	0.00	162.21	1864.30	483.92	1227.85	1155.72	20.09	-1.505	0.000	0.158
135.00	-27.89	-5.72	0.00	-128.92	0.00	128.92	1822.43	465.65	1136.86	1086.70	21.70	-1.569	0.000	0.134
140.00	-26.93	-5.60	0.00	-100.34	0.00	100.34	1778.31	447.37	1049.37	1018.38	23.38	-1.625	0.000	0.114
145.00	-19.67	-4.24	0.00	-72.36	0.00	72.36	1731.96	429.10	965.39	950.92	25.11	-1.672	0.000	0.088
150.00	-18.79	-4.11	0.00	-51.17	0.00	51.17	1683.36	410.82	884.91	884.47	26.88	-1.711	0.000	0.069
152.50	-17.80	-3.85	0.00	-40.90	0.00	40.90	1658.23	401.68	845.98	851.67	27.78	-1.727	0.000	0.059
155.00	-11.89	-2.37	0.00	-31.26	0.00	31.26	1632.53	392.54	807.93	819.19	28.69	-1.741	0.000	0.045
160.00	-11.17	-2.24	0.00	-19.44	0.00	19.44	1571.93	374.27	734.45	751.65	30.52	-1.762	0.000	0.033
165.00	-3.55	-0.86	0.00	-8.22	0.00	8.22	1495.17	355.99	664.47	679.62	32.38	-1.775	0.000	0.014
170.00	-2.97	-0.75	0.00	-3.92	0.00	3.92	1418.42	337.72	598.00	611.22	34.24	-1.782	0.000	0.009
175.00	-0.31	-0.06	0.00	-0.19	0.00	0.19	1341.66	319.44	535.03	546.45	36.11	-1.784	0.000	0.001
178.00	0.00	-0.05	0.00	0.00	0.00	0.00	1295.60	308.48	498.93	509.33	37.23	-1.784	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20	**Iterations**	22
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**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
5.00		1696.4	2.50	67.31	0.01
10.00		1808.8	7.50	71.78	0.08
15.00		1777.3	12.50	70.53	0.21
20.00		1745.8	17.50	69.28	0.41
25.00		1714.3	22.50	68.03	0.65
30.00		1682.8	27.50	66.78	0.93
32.83	Bot - Section 2	939.64	31.42	37.29	0.38
35.00		1278.3	33.92	50.73	0.82
40.00	Top - Section 1	2906.3	37.50	115.32	5.16
45.00		1531.1	42.50	60.75	1.84
50.00		1501.5	47.50	59.58	2.21
55.00		1472.0	52.50	58.41	2.60
60.00		1442.5	57.50	57.24	2.99
65.00		1413.0	62.50	56.07	3.39
70.00		1383.4	67.50	54.90	3.79
75.00		1353.9	72.50	53.72	4.19
77.92	Bot - Section 3	777.05	76.46	30.83	1.53
80.00		960.82	78.96	38.13	2.50
84.00	Top - Section 2	1821.4	82.00	72.28	9.70
85.00		246.68	84.50	9.79	0.19
90.00		1221.0	87.50	48.45	4.96
95.00		1193.4	92.50	47.36	5.30
100.00		1165.8	97.50	46.26	5.62
105.00		1138.3	102.50	45.17	5.92
110.00		1110.7	107.50	44.07	6.20
115.00		1083.2	112.50	42.98	6.46
120.00		1055.6	117.50	41.89	6.69
124.08	Bot - Section 4	841.66	122.04	33.40	4.59
125.00	Appurtenance(s)	3643.9	124.54	144.59	89.55
129.00	Top - Section 3	1120.2	127.00	44.45	8.80
130.00		132.46	129.50	5.26	0.13
135.00	Appurtenance(s)	3010.7	132.50	119.47	69.19
140.00		627.96	137.50	24.92	3.24
145.00	Appurtenance(s)	4273.9	142.50	169.59	161.27
150.00		569.63	147.50	22.60	3.07
152.50	Appurtenance(s)	766.97	151.25	30.43	5.85
155.00	Appurtenance(s)	3685.5	153.75	146.24	139.60
160.00		443.41	157.50	17.59	2.12
165.00	Appurtenance(s)	4145.2	162.50	164.48	197.27
170.00		336.26	167.50	13.34	1.38
175.00	Appurtenance(s)	1710.5	172.50	67.87	37.85
178.00		182.62	176.50	7.25	0.45
	Totals:	**62,913.1**		**2,496.4**	**809.1**

Total Wind: **46,997.5**

Calculated Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

SBA

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20		**Iterations**	22
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09		**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**SA**	0.02	**Seismic Importance Factor**	**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	-76.41	-0.81	0.00	-124.09	0.00	124.09	6109.19	1631.76	7852.82	7187.37		0.00	0.00	0.030
5.00	-74.33	-0.82	0.00	-120.04	0.00	120.04	6042.67	1599.27	7543.22	6966.35		0.00	0.00	0.030
10.00	-72.14	-0.82	0.00	-115.95	0.00	115.95	5973.91	1566.78	7239.84	6745.94		0.01	-0.01	0.029
15.00	-69.99	-0.83	0.00	-111.84	0.00	111.84	5902.91	1534.29	6942.70	6526.30		0.02	-0.01	0.029
20.00	-67.88	-0.83	0.00	-107.70	0.00	107.70	5829.67	1501.80	6651.77	6307.60		0.04	-0.02	0.029
25.00	-65.81	-0.84	0.00	-103.54	0.00	103.54	5754.19	1469.31	6367.08	6089.98		0.06	-0.02	0.028
30.00	-63.78	-0.84	0.00	-99.36	0.00	99.36	5676.47	1436.82	6088.61	5873.62		0.09	-0.03	0.028
32.83	-62.65	-0.84	0.00	-96.98	0.00	96.98	5631.44	1418.41	5933.57	5751.63		0.10	-0.03	0.028
35.00	-61.09	-0.84	0.00	-95.16	0.00	95.16	5596.51	1404.33	5816.37	5658.66		0.12	-0.03	0.028
40.00	-57.54	-0.84	0.00	-90.94	0.00	90.94	5104.93	1311.76	5413.18	5145.84		0.16	-0.04	0.029
45.00	-55.69	-0.84	0.00	-86.73	0.00	86.73	5033.50	1281.30	5164.70	4954.92		0.20	-0.04	0.029
50.00	-53.89	-0.85	0.00	-82.51	0.00	82.51	4959.83	1250.84	4922.07	4765.22		0.25	-0.05	0.028
55.00	-52.12	-0.85	0.00	-78.29	0.00	78.29	4883.92	1220.38	4685.27	4576.90		0.30	-0.06	0.028
60.00	-50.38	-0.85	0.00	-74.06	0.00	74.06	4805.76	1189.92	4454.32	4390.12		0.36	-0.06	0.027
65.00	-48.69	-0.85	0.00	-69.83	0.00	69.83	4725.37	1159.46	4229.19	4205.04		0.43	-0.07	0.027
70.00	-47.03	-0.85	0.00	-65.60	0.00	65.60	4642.74	1129.00	4009.91	4021.83		0.50	-0.07	0.026
75.00	-45.40	-0.84	0.00	-61.37	0.00	61.37	4557.87	1098.54	3796.46	3840.63		0.58	-0.08	0.026
77.92	-44.47	-0.84	0.00	-58.91	0.00	58.91	4507.27	1080.76	3674.51	3735.80		0.63	-0.08	0.026
80.00	-43.30	-0.84	0.00	-57.16	0.00	57.16	4470.76	1068.08	3588.85	3661.61		0.67	-0.08	0.025
84.00	-41.09	-0.83	0.00	-53.79	0.00	53.79	4079.95	996.52	3347.20	3342.88		0.74	-0.09	0.026
85.00	-40.79	-0.83	0.00	-52.96	0.00	52.96	4064.53	990.86	3309.24	3311.11		0.76	-0.09	0.026
90.00	-39.34	-0.83	0.00	-48.80	0.00	48.80	3985.82	962.43	3122.08	3152.82		0.86	-0.10	0.025
95.00	-37.91	-0.83	0.00	-44.65	0.00	44.65	3904.88	934.00	2940.36	2996.54		0.97	-0.10	0.025
100.00	-36.52	-0.82	0.00	-40.53	0.00	40.53	3803.39	905.57	2764.09	2828.81		1.08	-0.11	0.024
105.00	-35.16	-0.82	0.00	-36.42	0.00	36.42	3683.99	877.14	2593.26	2652.97		1.20	-0.12	0.023
110.00	-33.84	-0.81	0.00	-32.34	0.00	32.34	3564.59	848.71	2427.89	2482.78		1.32	-0.12	0.023
115.00	-32.55	-0.81	0.00	-28.28	0.00	28.28	3445.19	820.28	2267.96	2318.23		1.45	-0.13	0.022
120.00	-31.30	-0.80	0.00	-24.26	0.00	24.26	3325.79	791.86	2113.49	2159.32		1.59	-0.13	0.021
124.08	-30.30	-0.79	0.00	-21.00	0.00	21.00	3228.28	768.64	1991.37	2033.73		1.71	-0.14	0.020
125.00	-25.79	-0.69	0.00	-20.27	0.00	20.27	3206.39	763.43	1964.46	2006.05		1.73	-0.14	0.018
129.00	-24.44	-0.68	0.00	-17.49	0.00	17.49	1872.41	487.58	1246.47	1169.59		1.85	-0.14	0.028
130.00	-24.28	-0.68	0.00	-16.81	0.00	16.81	1864.30	483.92	1227.85	1155.72		1.88	-0.14	0.028
135.00	-20.59	-0.61	0.00	-13.39	0.00	13.39	1822.43	465.65	1136.86	1086.70		2.04	-0.15	0.024
140.00	-19.84	-0.60	0.00	-10.36	0.00	10.36	1778.31	447.37	1049.37	1018.38		2.20	-0.16	0.021
145.00	-14.58	-0.43	0.00	-7.34	0.00	7.34	1731.96	429.10	965.39	950.92		2.37	-0.16	0.016
150.00	-13.91	-0.42	0.00	-5.19	0.00	5.19	1683.36	410.82	884.91	884.47		2.54	-0.17	0.014
152.50	-12.97	-0.42	0.00	-4.13	0.00	4.13	1658.23	401.68	845.98	851.67		2.63	-0.17	0.013
155.00	-8.42	-0.26	0.00	-3.09	0.00	3.09	1632.53	392.54	807.93	819.19		2.71	-0.17	0.009
160.00	-7.89	-0.26	0.00	-1.77	0.00	1.77	1571.93	374.27	734.45	751.65		2.89	-0.17	0.007
165.00	-2.76	-0.05	0.00	-0.47	0.00	0.47	1495.17	355.99	664.47	679.62		3.07	-0.17	0.003
170.00	-2.35	-0.05	0.00	-0.23	0.00	0.23	1418.42	337.72	598.00	611.22		3.25	-0.17	0.002
175.00	-0.23	0.00	0.00	0.00	0.00	0.00	1341.66	319.44	535.03	546.45		3.43	-0.17	0.000
178.00	0.00	0.00	0.00	0.00	0.00	0.00	1295.60	308.48	498.93	509.33		3.54	-0.17	0.000

Seismic Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20	**Iterations**	21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**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
5.00		1663.8	2.50	66.02	0.01
10.00		1740.3	7.50	69.06	0.08
15.00		1708.8	12.50	67.81	0.20
20.00		1677.3	17.50	66.56	0.38
25.00		1645.8	22.50	65.31	0.61
30.00		1614.3	27.50	64.06	0.88
32.83	Bot - Section 2	900.80	31.42	35.74	0.36
35.00		1248.6	33.92	49.55	0.80
40.00	Top - Section 1	2837.7	37.50	112.60	5.05
45.00		1462.5	42.50	58.03	1.72
50.00		1433.0	47.50	56.86	2.07
55.00		1403.5	52.50	55.69	2.42
60.00		1373.9	57.50	54.52	2.78
65.00		1344.4	62.50	53.35	3.15
70.00		1314.9	67.50	52.18	3.51
75.00		1285.4	72.50	51.00	3.87
77.92	Bot - Section 3	737.01	76.46	29.24	1.42
80.00		932.31	78.96	36.99	2.42
84.00	Top - Section 2	1766.5	82.00	70.10	9.36
85.00		233.02	84.50	9.25	0.17
90.00		1152.4	87.50	45.73	4.53
95.00		1124.8	92.50	44.64	4.83
100.00		1097.3	97.50	43.54	5.10
105.00		1069.7	102.50	42.45	5.36
110.00		1042.2	107.50	41.35	5.60
115.00		1014.6	112.50	40.26	5.81
120.00		987.09	117.50	39.17	6.00
124.08	Bot - Section 4	785.68	122.04	31.18	4.10
125.00	Appurtenance(s)	3631.4	124.54	144.09	91.21
129.00	Top - Section 3	1081.9	127.00	42.93	8.42
130.00		122.89	129.50	4.88	0.11
135.00	Appurtenance(s)	2962.8	132.50	117.57	68.73
140.00		581.61	137.50	23.08	2.85
145.00	Appurtenance(s)	4227.6	142.50	167.75	161.84
150.00		529.00	147.50	20.99	2.72
152.50	Appurtenance(s)	746.66	151.25	29.63	5.69
155.00	Appurtenance(s)	3665.2	153.75	145.44	141.61
160.00		425.48	157.50	16.88	2.00
165.00	Appurtenance(s)	4127.2	162.50	163.77	200.59
170.00		336.26	167.50	13.34	1.41
175.00	Appurtenance(s)	1710.5	172.50	67.87	38.83
178.00		182.62	176.50	7.25	0.46
	Totals:	**60,929.9**		**2,417.7**	**809.1**

Total Wind: **46,997.5**

Calculated Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20			**Iterations**	21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.19
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.25	**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	-57.85	-0.81	0.00	-122.34	0.00	122.34	6109.19	1631.76	7852.82	7187.37		0.00	0.00	0.026
5.00	-56.28	-0.81	0.00	-118.29	0.00	118.29	6042.67	1599.27	7543.22	6966.35		0.00	0.00	0.026
10.00	-54.62	-0.82	0.00	-114.22	0.00	114.22	5973.91	1566.78	7239.84	6745.94		0.01	-0.01	0.026
15.00	-52.99	-0.82	0.00	-110.13	0.00	110.13	5902.91	1534.29	6942.70	6526.30		0.02	-0.01	0.026
20.00	-51.40	-0.83	0.00	-106.02	0.00	106.02	5829.67	1501.80	6651.77	6307.60		0.04	-0.02	0.026
25.00	-49.83	-0.83	0.00	-101.89	0.00	101.89	5754.19	1469.31	6367.08	6089.98		0.06	-0.02	0.025
30.00	-48.29	-0.83	0.00	-97.75	0.00	97.75	5676.47	1436.82	6088.61	5873.62		0.09	-0.03	0.025
32.83	-47.43	-0.83	0.00	-95.40	0.00	95.40	5631.44	1418.41	5933.57	5751.63		0.10	-0.03	0.025
35.00	-46.25	-0.83	0.00	-93.60	0.00	93.60	5596.51	1404.33	5816.37	5658.66		0.12	-0.03	0.025
40.00	-43.56	-0.83	0.00	-89.44	0.00	89.44	5104.93	1311.76	5413.18	5145.84		0.15	-0.04	0.026
45.00	-42.17	-0.83	0.00	-85.28	0.00	85.28	5033.50	1281.30	5164.70	4954.92		0.20	-0.04	0.026
50.00	-40.80	-0.83	0.00	-81.13	0.00	81.13	4959.83	1250.84	4922.07	4765.22		0.24	-0.05	0.025
55.00	-39.46	-0.83	0.00	-76.97	0.00	76.97	4883.92	1220.38	4685.27	4576.90		0.30	-0.05	0.025
60.00	-38.15	-0.83	0.00	-72.81	0.00	72.81	4805.76	1189.92	4454.32	4390.12		0.36	-0.06	0.025
65.00	-36.87	-0.83	0.00	-68.64	0.00	68.64	4725.37	1159.46	4229.19	4205.04		0.42	-0.07	0.024
70.00	-35.61	-0.83	0.00	-64.49	0.00	64.49	4642.74	1129.00	4009.91	4021.83		0.50	-0.07	0.024
75.00	-34.38	-0.83	0.00	-60.34	0.00	60.34	4557.87	1098.54	3796.46	3840.63		0.57	-0.08	0.023
77.92	-33.68	-0.83	0.00	-57.92	0.00	57.92	4507.27	1080.76	3674.51	3735.80		0.62	-0.08	0.023
80.00	-32.79	-0.83	0.00	-56.20	0.00	56.20	4470.76	1068.08	3588.85	3661.61		0.66	-0.08	0.023
84.00	-31.12	-0.82	0.00	-52.90	0.00	52.90	4079.95	996.52	3347.20	3342.88		0.73	-0.09	0.023
85.00	-30.89	-0.82	0.00	-52.09	0.00	52.09	4064.53	990.86	3309.24	3311.11		0.75	-0.09	0.023
90.00	-29.79	-0.81	0.00	-48.00	0.00	48.00	3985.82	962.43	3122.08	3152.82		0.85	-0.10	0.023
95.00	-28.71	-0.81	0.00	-43.94	0.00	43.94	3904.88	934.00	2940.36	2996.54		0.95	-0.10	0.022
100.00	-27.66	-0.81	0.00	-39.89	0.00	39.89	3803.39	905.57	2764.09	2828.81		1.06	-0.11	0.021
105.00	-26.63	-0.80	0.00	-35.86	0.00	35.86	3683.99	877.14	2593.26	2652.97		1.18	-0.11	0.021
110.00	-25.63	-0.80	0.00	-31.85	0.00	31.85	3564.59	848.71	2427.89	2482.78		1.30	-0.12	0.020
115.00	-24.66	-0.79	0.00	-27.87	0.00	27.87	3445.19	820.28	2267.96	2318.23		1.43	-0.13	0.019
120.00	-23.71	-0.79	0.00	-23.91	0.00	23.91	3325.79	791.86	2113.49	2159.32		1.57	-0.13	0.018
124.08	-22.96	-0.78	0.00	-20.71	0.00	20.71	3228.28	768.64	1991.37	2033.73		1.68	-0.14	0.017
125.00	-19.54	-0.68	0.00	-19.99	0.00	19.99	3206.39	763.43	1964.46	2006.05		1.71	-0.14	0.016
129.00	-18.51	-0.67	0.00	-17.26	0.00	17.26	1872.41	487.58	1246.47	1169.59		1.82	-0.14	0.025
130.00	-18.39	-0.67	0.00	-16.59	0.00	16.59	1864.30	483.92	1227.85	1155.72		1.85	-0.14	0.024
135.00	-15.60	-0.60	0.00	-13.23	0.00	13.23	1822.43	465.65	1136.86	1086.70		2.01	-0.15	0.021
140.00	-15.04	-0.60	0.00	-10.24	0.00	10.24	1778.31	447.37	1049.37	1018.38		2.16	-0.15	0.019
145.00	-11.05	-0.42	0.00	-7.26	0.00	7.26	1731.96	429.10	965.39	950.92		2.33	-0.16	0.014
150.00	-10.54	-0.42	0.00	-5.14	0.00	5.14	1683.36	410.82	884.91	884.47		2.50	-0.16	0.012
152.50	-9.83	-0.41	0.00	-4.09	0.00	4.09	1658.23	401.68	845.98	851.67		2.58	-0.16	0.011
155.00	-6.38	-0.26	0.00	-3.06	0.00	3.06	1632.53	392.54	807.93	819.19		2.67	-0.17	0.008
160.00	-5.98	-0.26	0.00	-1.75	0.00	1.75	1571.93	374.27	734.45	751.65		2.85	-0.17	0.006
165.00	-2.09	-0.05	0.00	-0.46	0.00	0.46	1495.17	355.99	664.47	679.62		3.02	-0.17	0.002
170.00	-1.78	-0.04	0.00	-0.22	0.00	0.22	1418.42	337.72	598.00	611.22		3.20	-0.17	0.002
175.00	-0.17	0.00	0.00	0.00	0.00	0.00	1341.66	319.44	535.03	546.45		3.38	-0.17	0.000
178.00	0.00	0.00	0.00	0.00	0.00	0.00	1295.60	308.48	498.93	509.33		3.48	-0.17	0.000

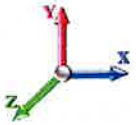
Wind Loading - Shaft

Structure: CT00594-S
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/10/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

SBA

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



Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	5.423	5.97	250.88	0.950	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	5.423	5.97	245.93	0.950	0.000	5.00	24.879	23.64	141.0	0.0	1566.2
10.00		1.00	0.70	5.423	5.97	240.98	0.950	0.000	5.00	24.383	23.16	138.2	0.0	1534.7
15.00		1.00	0.70	5.423	5.97	236.02	0.950	0.000	5.00	23.887	22.69	135.4	0.0	1503.2
20.00		1.00	0.70	5.423	5.97	231.07	0.950	0.000	5.00	23.391	22.22	132.6	0.0	1471.7
25.00		1.00	0.70	5.423	5.97	226.12	0.950	0.000	5.00	22.895	21.75	129.8	0.0	1440.2
30.00		1.00	0.70	5.428	5.97	221.26	0.955 *	0.000	5.00	22.399	21.39	127.7	0.0	1408.7
32.83	Bot - Section 2	1.00	0.72	5.570	6.13	221.29	0.960 *	0.000	2.83	12.473	11.98	73.4	0.0	784.3
35.00		1.00	0.73	5.672	6.24	221.12	0.963 *	0.000	2.17	9.606	9.25	57.7	0.0	1159.5
40.00	Top - Section 1	1.00	0.76	5.893	6.48	220.22	0.968 *	0.000	5.00	21.811	21.12	136.9	0.0	2632.1
45.00		1.00	0.79	6.094	6.70	222.99	0.970 *	0.000	5.00	21.315	20.67	138.6	0.0	1256.9
50.00		1.00	0.81	6.281	6.91	221.04	0.977 *	0.000	5.00	20.819	20.34	140.5	0.0	1227.4
55.00		1.00	0.83	6.454	7.10	218.67	0.985 *	0.000	5.00	20.323	20.01	142.1	0.0	1197.9
60.00		1.00	0.85	6.617	7.28	215.93	0.993 *	0.000	5.00	19.827	19.68	143.2	0.0	1168.3
65.00		1.00	0.87	6.770	7.45	212.88	1.001 *	0.000	5.00	19.331	19.35	144.1	0.0	1138.8
70.00		1.00	0.89	6.914	7.61	209.55	1.010 *	0.000	5.00	18.835	19.02	144.7	0.0	1109.3
75.00		1.00	0.91	7.052	7.76	205.98	1.019 *	0.000	5.00	18.339	18.69	145.0	0.0	1079.8
77.92	Bot - Section 3	1.00	0.92	7.130	7.84	203.79	1.027 *	0.000	2.92	10.481	10.76	84.4	0.0	616.9
80.00		1.00	0.93	7.183	7.90	202.19	1.032 *	0.000	2.08	7.520	7.76	61.3	0.0	846.8
84.00	Top - Section 2	1.00	0.94	7.284	8.01	199.01	1.038 *	0.000	4.00	14.231	14.78	118.4	0.0	1601.9
85.00		1.00	0.94	7.309	8.04	202.57	1.036 *	0.000	1.00	3.494	3.62	29.1	0.0	192.0
90.00		1.00	0.96	7.429	8.17	198.44	1.042 *	0.000	5.00	17.229	17.95	146.7	0.0	946.8
95.00		1.00	0.97	7.545	8.30	194.14	1.053 *	0.000	5.00	16.733	17.62	146.3	0.0	919.2
100.00		1.00	0.99	7.656	8.42	189.68	1.065 *	0.000	5.00	16.237	17.29	145.6	0.0	891.7
105.00		1.00	1.00	7.764	8.54	185.08	1.078 *	0.000	5.00	15.741	16.96	144.9	0.0	864.1
110.00		1.00	1.02	7.868	8.65	180.35	1.091 *	0.000	5.00	15.245	16.63	144.0	0.0	836.6
115.00		1.00	1.03	7.968	8.76	175.50	1.105 *	0.000	5.00	14.749	16.30	142.9	0.0	809.0
120.00		1.00	1.04	8.066	8.87	170.53	1.121 *	0.000	5.00	14.253	15.97	141.7	0.0	781.4
124.08	Bot - Section 4	1.00	1.05	8.143	8.96	166.39	1.136 *	0.000	4.08	11.272	12.80	114.7	0.0	617.7
125.00	Appurtenance(s)	1.00	1.05	8.160	8.98	165.45	1.144 *	0.000	0.92	2.529	2.89	26.0	0.0	225.7
129.00	Top - Section 3	1.00	1.06	8.234	9.06	161.31	0.950	0.000	4.00	10.842	10.30	93.3	0.0	967.1
130.00		1.00	1.07	8.252	9.08	163.26	0.950	0.000	1.00	2.661	2.53	22.9	0.0	94.2
135.00	Appurtenance(s)	1.00	1.08	8.342	9.18	158.00	0.950	0.000	5.00	13.007	12.36	113.4	0.0	460.3
140.00		1.00	1.09	8.429	9.27	152.65	0.950	0.000	5.00	12.511	11.89	110.2	0.0	442.6
145.00	Appurtenance(s)	1.00	1.10	8.514	9.37	147.21	0.950	0.000	5.00	12.015	11.41	106.9	0.0	424.8
150.00		1.00	1.11	8.597	9.46	141.69	0.950	0.000	5.00	11.519	10.94	103.5	0.0	407.1
152.50	Appurtenance(s)	1.00	1.11	8.637	9.50	138.90	0.950	0.000	2.50	5.574	5.29	50.3	0.0	196.9
155.00	Appurtenance(s)	1.00	1.12	8.678	9.55	136.09	0.950	0.000	2.50	5.450	5.18	49.4	0.0	192.5
160.00		1.00	1.13	8.757	9.63	130.42	0.950	0.000	5.00	10.527	10.00	96.3	0.0	371.7
165.00	Appurtenance(s)	1.00	1.14	8.834	9.72	124.67	0.950	0.000	5.00	10.031	9.53	92.6	0.0	354.0
170.00		1.00	1.15	8.910	9.80	118.85	0.950	0.000	5.00	9.535	9.06	88.8	0.0	336.3
175.00	Appurtenance(s)	1.00	1.16	8.984	9.88	112.97	0.950	0.000	5.00	9.039	8.59	84.9	0.0	318.5
178.00		1.00	1.17	9.027	9.93	109.41	0.950	0.000	3.00	5.185	4.93	48.9	0.0	182.6
								Totals:	**178.00**			**4,578.1**		**36,577.3**

* Cf Adjusted by Linear Load Ra Effect

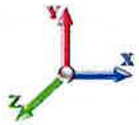
Discrete Appurtenance Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	175.00	Exposed Mount Pipes	9	8.984	9.882	0.90	0.90	15.39	270.00	0.000	0.000	152.09	0.00	0.00
2	175.00	Abandoned Mount	1	8.984	9.882	1.00	1.00	28.50	1122.00	0.000	0.000	281.64	0.00	0.00
3	165.00	Kathrein 782 11056	3	8.834	9.717	0.58	0.75	0.23	5.40	0.000	0.000	2.22	0.00	0.00
4	165.00	Reinf. Kit (SitePro1	3	8.834	9.717	0.75	1.00	7.88	285.00	0.000	0.000	76.52	0.00	0.00
5	165.00	Ericsson AIR6419 B41	3	8.834	9.717	0.57	0.75	6.50	198.30	0.000	0.000	63.14	0.00	0.00
6	165.00	Ericsson 4460 B25 + B66	3	8.834	9.717	0.50	0.75	4.30	327.00	0.000	0.000	41.75	0.00	0.00
7	165.00	Platform w/ Hand Rails	1	8.834	9.717	1.00	1.00	40.00	2000.00	0.000	0.000	388.69	0.00	0.00
8	165.00	RFS	3	8.834	9.717	0.52	0.75	31.88	368.40	0.000	0.000	309.77	0.00	0.00
9	165.00	Ericsson KRY 112 489/2	6	8.834	9.717	0.50	0.75	1.96	92.40	0.000	0.000	19.04	0.00	0.00
10	165.00	Ericsson 4449 B71 + B85	3	8.834	9.717	0.50	0.75	2.97	213.00	0.000	0.000	28.86	0.00	0.00
11	165.00	(3) SFS-H-L (V-Braces)	1	8.834	9.717	1.00	1.00	6.70	230.00	0.000	0.000	65.11	0.00	0.00
12	155.00	PRK-1245 (kicker kit)	1	8.678	9.545	1.00	1.00	9.50	464.91	0.000	0.000	90.68	0.00	0.00
13	155.00	(3) 12.5' - 2" Horizontal	3	8.678	9.545	1.00	1.00	17.81	411.75	0.000	0.000	170.03	0.00	0.00
14	155.00	Cci OPA65R-BU8DA	4	8.678	9.545	0.65	0.75	29.59	306.00	0.000	0.000	282.47	0.00	0.00
15	155.00	(3) Stabilizer Kit (12' FW)	1	8.678	9.545	1.00	1.00	6.10	180.00	0.000	0.000	58.23	0.00	0.00
16	155.00	Platform w/ Hand Rails	1	8.678	9.545	1.00	1.00	28.50	1122.00	0.000	0.000	272.04	0.00	0.00
17	155.00	Nokia CS72188.01 LMU	1	8.678	9.545	1.00	1.00	0.17	0.31	0.000	0.000	1.62	0.00	0.00
18	155.00	Cci OPA65R-BU4DA	2	8.678	9.545	0.53	0.75	8.99	105.00	0.000	0.000	85.80	0.00	0.00
19	155.00	Ericsson 4449 B5/B12	3	8.678	9.545	0.65	0.75	3.81	213.00	0.000	0.000	36.39	0.00	0.00
20	155.00	Ericcson 8843 B2/B66A	3	8.678	9.545	0.65	0.75	3.35	216.00	0.000	0.000	31.95	0.00	0.00
21	155.00	Raycap DC6-48-60-18-8F	1	8.678	9.545	0.75	0.75	1.65	32.80	0.000	0.000	15.75	0.00	0.00
22	155.00	Exposed Mount Pipes	12	8.678	9.545	0.75	0.75	13.77	360.00	0.000	0.000	131.44	0.00	0.00
23	152.50	Ericsson RRUS11 RRUs	6	8.637	9.501	0.60	0.90	11.79	306.00	0.000	0.000	112.06	0.00	0.00
24	152.50	Ring Mount (Part No	1	8.637	9.501	1.00	1.00	5.00	150.00	0.000	0.000	47.51	0.00	0.00
25	152.50	Raycap DC2-48-60-18-8F	1	8.637	9.501	0.90	0.90	1.32	32.80	0.000	0.000	12.57	0.00	0.00
26	145.00	Exposed Mount Pipes	12	8.514	9.365	0.75	0.75	14.13	360.00	0.000	0.000	132.33	0.00	0.00
27	145.00	ALU 800 Mhz- RRUs	6	8.514	9.365	0.50	0.75	7.51	318.00	0.000	0.000	70.31	0.00	0.00
28	145.00	ALU 1900 Mhz- RRUs	3	8.514	9.365	0.50	0.75	4.18	180.00	0.000	0.000	39.11	0.00	0.00
29	145.00	PRK-1245 (kicker kit)	1	8.514	9.365	1.00	1.00	9.50	464.91	0.000	0.000	88.97	0.00	0.00
30	145.00	(3) SFS-H-L (V-Braces)	1	8.514	9.365	1.00	1.00	6.70	230.00	0.000	0.000	62.75	0.00	0.00
31	145.00	NNVV-65B-R4	3	8.514	9.365	0.55	0.75	20.43	232.20	0.000	0.000	191.33	0.00	0.00
32	145.00	APXVTM14-C-I20	3	8.514	9.365	0.58	0.75	10.98	168.60	0.000	0.000	102.87	0.00	0.00
33	145.00	Platform w/ Hand Rails	1	8.514	9.365	1.00	1.00	28.50	1500.00	0.000	0.000	266.91	0.00	0.00
34	145.00	ALU TD-RRH8x20-25-	3	8.514	9.365	0.50	0.75	6.11	210.00	0.000	0.000	57.18	0.00	0.00
35	135.00	Fujitsu TA08025-B605	3	8.342	9.176	0.50	0.75	2.95	225.00	0.000	0.000	27.11	0.00	0.00
36	135.00	Platform w/ Handrails	1	8.342	9.176	1.00	1.00	37.59	1727.00	0.000	0.000	344.92	0.00	0.00
37	135.00	JMA Wireless	3	8.342	9.176	0.55	0.75	20.80	193.50	0.000	0.000	190.82	0.00	0.00
38	135.00	Raycap	1	8.342	9.176	1.00	1.00	2.01	21.85	0.000	0.000	18.44	0.00	0.00
39	135.00	Fujitsu TA08025-B604	3	8.342	9.176	0.50	0.75	2.95	191.70	0.000	0.000	27.11	0.00	0.00
40	125.00	Samsung RF4440d-13A	3	8.160	8.976	0.60	0.75	3.37	210.99	0.000	0.000	30.21	0.00	0.00
41	125.00	Lucent KS-24019 GPS	1	8.179	8.997	1.00	1.00	1.00	4.00	0.000	1.000	9.00	0.00	9.00
42	125.00	Low Profile Platform	1	8.160	8.976	1.00	1.00	25.00	1200.00	0.000	0.000	224.41	0.00	0.00
43	125.00	JMA Wireless	6	8.160	8.976	0.65	0.75	38.64	360.00	0.000	0.000	346.85	0.00	0.00
44	125.00	Samsung MT6407-77A	3	8.160	8.976	0.52	0.75	7.40	261.30	0.000	0.000	66.45	0.00	0.00
45	125.00	Samsung RF4439d-25A	3	8.160	8.976	0.60	0.75	3.37	224.10	0.000	0.000	30.21	0.00	0.00
46	125.00	VZWSMART	1	8.160	8.976	1.00	1.00	9.50	464.91	0.000	0.000	85.27	0.00	0.00
47	125.00	Handrail Kit (P2 1/2 STD)	1	8.160	8.976	1.00	1.00	6.75	261.72	0.000	0.000	60.59	0.00	0.00

Discrete Appurtenance Forces

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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

48	125.00	VZWSMART	1	8.160	8.976	1.00	1.00	2.50	150.60	0.000	0.000	22.44	0.00	0.00
49	125.00	Antel	6	8.160	8.976	0.56	0.75	8.73	72.00	0.000	0.000	78.33	0.00	0.00
50	125.00	BSF0020F3V1-1	4	8.160	8.976	0.63	0.75	2.42	70.40	0.000	0.000	21.72	0.00	0.00
51	125.00	RFS DB-T1-6Z-8AB-0Z	2	8.160	8.976	0.64	0.75	6.12	88.00	0.000	0.000	54.94	0.00	0.00
							Totals:		**18,402.85**			**5,427.93**	

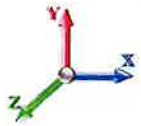
Total Applied Force Summary

Structure:	CT00594-S		**Code:**	TIA-222-H	7/10/2023
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (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

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		141.00	1674.70	0.00	0.00
10.00		138.18	1763.16	0.00	0.00
15.00		135.37	1731.66	0.00	0.00
20.00		132.56	1700.16	0.00	0.00
25.00		129.75	1668.67	0.00	0.00
30.00		127.72	1637.17	0.00	0.00
32.83		73.37	913.75	0.00	0.00
35.00		57.74	1258.56	0.00	0.00
40.00		136.92	2860.63	0.00	0.00
45.00		138.57	1485.42	0.00	0.00
50.00		140.53	1455.89	0.00	0.00
55.00		142.07	1426.36	0.00	0.00
60.00		143.24	1396.83	0.00	0.00
65.00		144.10	1367.30	0.00	0.00
70.00		144.67	1337.77	0.00	0.00
75.00		144.99	1308.25	0.00	0.00
77.92		84.41	750.36	0.00	0.00
80.00		61.32	941.81	0.00	0.00
84.00		118.41	1784.88	0.00	0.00
85.00		29.09	237.57	0.00	0.00
90.00		146.71	1175.30	0.00	0.00
95.00		146.26	1147.74	0.00	0.00
100.00		145.64	1120.18	0.00	0.00
105.00		144.87	1092.62	0.00	0.00
110.00		143.95	1065.06	0.00	0.00
115.00		142.90	1037.50	0.00	0.00
120.00		141.72	1009.94	0.00	0.00
124.08		114.66	804.34	0.00	0.00
125.00	(32) attachments	1056.40	3635.61	0.00	9.00
129.00		93.29	1094.68	0.00	0.00
130.00		22.95	126.08	0.00	0.00
135.00	(11) attachments	721.79	2978.83	0.00	0.00
140.00		110.20	597.06	0.00	0.00
145.00	(33) attachments	1118.63	4243.05	0.00	0.00
150.00		103.48	542.54	0.00	0.00
152.50	(8) attachments	222.44	753.43	0.00	0.00
155.00	(32) attachments	1225.81	3671.97	0.00	0.00
160.00		96.33	431.46	0.00	0.00
165.00	(26) attachments	1087.71	4133.24	0.00	0.00
170.00		88.78	336.26	0.00	0.00
175.00	(10) attachments	518.58	1710.54	0.00	0.00
178.00		48.92	182.62	0.00	0.00
	Totals:	**10,006.05**	**61,590.96**	**0.00**	**9.00**

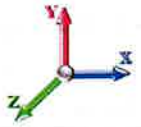
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 44	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.047	0.000	5.423	0.00	1.37
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.047	0.000	5.423	0.00	5.20
5.00	1 5/8" Coax	Yes	2.00	0.000	3.96	0.66	0.00	0.047	0.000	5.423	0.00	22.88
5.00	1 5/8" Fiber	Yes	2.00	0.000	0.00	0.00	0.00	0.047	0.000	5.423	0.00	4.40
5.00	1/2" Coax	Yes	2.00	0.000	0.50	0.08	0.00	0.047	0.000	5.423	0.00	0.32
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.093	0.000	5.423	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.093	0.000	5.423	0.00	5.20
10.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.093	0.000	5.423	0.00	57.20
10.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.093	0.000	5.423	0.00	11.00
10.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.093	0.000	5.423	0.00	0.80
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.095	0.000	5.423	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.095	0.000	5.423	0.00	5.20
15.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.095	0.000	5.423	0.00	57.20
15.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.095	0.000	5.423	0.00	11.00
15.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.095	0.000	5.423	0.00	0.80
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.097	0.000	5.423	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.097	0.000	5.423	0.00	5.20
20.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.097	0.000	5.423	0.00	57.20
20.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.097	0.000	5.423	0.00	11.00
20.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.097	0.000	5.423	0.00	0.80
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.100	0.000	5.423	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.100	0.000	5.423	0.00	5.20
25.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.100	0.000	5.423	0.00	57.20
25.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	5.423	0.00	11.00
25.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.100	0.000	5.423	0.00	0.80
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.102	1.005	5.428	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.102	1.005	5.428	0.00	5.20
30.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.102	1.005	5.428	0.00	57.20
30.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.102	1.005	5.428	0.00	11.00
30.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.102	1.005	5.428	0.00	0.80
32.83	Safety Cable	Yes	2.83	0.000	0.38	0.09	0.00	0.104	1.011	5.570	0.00	0.77
32.83	Step bolts (ladder)	Yes	2.83	0.000	0.63	0.15	0.00	0.104	1.011	5.570	0.00	2.95
32.83	1 5/8" Coax	Yes	2.83	0.000	3.96	0.93	0.00	0.104	1.011	5.570	0.00	32.41
32.83	1 5/8" Fiber	Yes	2.83	0.000	0.00	0.00	0.00	0.104	1.011	5.570	0.00	6.23
32.83	1/2" Coax	Yes	2.83	0.000	0.50	0.12	0.00	0.104	1.011	5.570	0.00	0.45
35.00	Safety Cable	Yes	2.17	0.000	0.38	0.07	0.00	0.105	1.014	5.672	0.00	0.59
35.00	Step bolts (ladder)	Yes	2.17	0.000	0.63	0.11	0.00	0.105	1.014	5.672	0.00	2.25
35.00	1 5/8" Coax	Yes	2.17	0.000	3.96	0.72	0.00	0.105	1.014	5.672	0.00	24.79
35.00	1 5/8" Fiber	Yes	2.17	0.000	0.00	0.00	0.00	0.105	1.014	5.672	0.00	4.77
35.00	1/2" Coax	Yes	2.17	0.000	0.50	0.09	0.00	0.105	1.014	5.672	0.00	0.35
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.106	1.019	5.893	0.00	1.37
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.106	1.019	5.893	0.00	5.20
40.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.106	1.019	5.893	0.00	57.20
40.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.106	1.019	5.893	0.00	11.00
40.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.106	1.019	5.893	0.00	0.80
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.107	1.021	6.094	0.00	1.37
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.107	1.021	6.094	0.00	5.20

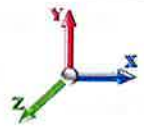
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
45.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.107	1.021	6.094	0.00	57.20
45.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.107	1.021	6.094	0.00	11.00
45.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.107	1.021	6.094	0.00	0.80
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.109	1.028	6.281	0.00	1.37
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.109	1.028	6.281	0.00	5.20
50.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.109	1.028	6.281	0.00	57.20
50.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.109	1.028	6.281	0.00	11.00
50.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.109	1.028	6.281	0.00	0.80
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.112	1.036	6.454	0.00	1.37
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.112	1.036	6.454	0.00	5.20
55.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.112	1.036	6.454	0.00	57.20
55.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.112	1.036	6.454	0.00	11.00
55.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.112	1.036	6.454	0.00	0.80
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.115	1.045	6.617	0.00	1.37
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.115	1.045	6.617	0.00	5.20
60.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.115	1.045	6.617	0.00	57.20
60.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.115	1.045	6.617	0.00	11.00
60.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.115	1.045	6.617	0.00	0.80
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.118	1.054	6.770	0.00	1.37
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.118	1.054	6.770	0.00	5.20
65.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.118	1.054	6.770	0.00	57.20
65.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.118	1.054	6.770	0.00	11.00
65.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.118	1.054	6.770	0.00	0.80
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.121	1.063	6.914	0.00	1.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.121	1.063	6.914	0.00	5.20
70.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.121	1.063	6.914	0.00	57.20
70.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.121	1.063	6.914	0.00	11.00
70.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.121	1.063	6.914	0.00	0.80
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.124	1.073	7.052	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.124	1.073	7.052	0.00	5.20
75.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.124	1.073	7.052	0.00	57.20
75.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.124	1.073	7.052	0.00	11.00
75.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.124	1.073	7.052	0.00	0.80
77.92	Safety Cable	Yes	2.92	0.000	0.38	0.09	0.00	0.127	1.081	7.130	0.00	0.80
77.92	Step bolts (ladder)	Yes	2.92	0.000	0.63	0.15	0.00	0.127	1.081	7.130	0.00	3.04
77.92	1 5/8" Coax	Yes	2.92	0.000	3.96	0.96	0.00	0.127	1.081	7.130	0.00	33.40
77.92	1 5/8" Fiber	Yes	2.92	0.000	0.00	0.00	0.00	0.127	1.081	7.130	0.00	6.42
77.92	1/2" Coax	Yes	2.92	0.000	0.50	0.12	0.00	0.127	1.081	7.130	0.00	0.47
80.00	Safety Cable	Yes	2.08	0.000	0.38	0.07	0.00	0.129	1.086	7.183	0.00	0.57
80.00	Step bolts (ladder)	Yes	2.08	0.000	0.63	0.11	0.00	0.129	1.086	7.183	0.00	2.16
80.00	1 5/8" Coax	Yes	2.08	0.000	3.96	0.69	0.00	0.129	1.086	7.183	0.00	23.80
80.00	1 5/8" Fiber	Yes	2.08	0.000	0.00	0.00	0.00	0.129	1.086	7.183	0.00	4.58
80.00	1/2" Coax	Yes	2.08	0.000	0.50	0.09	0.00	0.129	1.086	7.183	0.00	0.33
84.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.131	1.093	7.284	0.00	1.09
84.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.131	1.093	7.284	0.00	4.16
84.00	1 5/8" Coax	Yes	4.00	0.000	3.96	1.32	0.00	0.131	1.093	7.284	0.00	45.80
84.00	1 5/8" Fiber	Yes	4.00	0.000	0.00	0.00	0.00	0.131	1.093	7.284	0.00	8.81

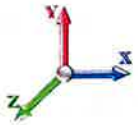
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 46	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
84.00	1/2" Coax	Yes	4.00	0.000	0.50	0.17	0.00	0.131	1.093	7.284	0.00	0.64
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.130	1.090	7.309	0.00	0.27
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.130	1.090	7.309	0.00	1.04
85.00	1 5/8" Coax	Yes	1.00	0.000	3.96	0.33	0.00	0.130	1.090	7.309	0.00	11.40
85.00	1 5/8" Fiber	Yes	1.00	0.000	0.00	0.00	0.00	0.130	1.090	7.309	0.00	2.19
85.00	1/2" Coax	Yes	1.00	0.000	0.50	0.04	0.00	0.130	1.090	7.309	0.00	0.16
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.132	1.097	7.429	0.00	1.37
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.132	1.097	7.429	0.00	5.20
90.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.132	1.097	7.429	0.00	57.20
90.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.132	1.097	7.429	0.00	11.00
90.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.132	1.097	7.429	0.00	0.80
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.136	1.109	7.545	0.00	1.37
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.136	1.109	7.545	0.00	5.20
95.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.136	1.109	7.545	0.00	57.20
95.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.136	1.109	7.545	0.00	11.00
95.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.136	1.109	7.545	0.00	0.80
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.140	1.121	7.656	0.00	1.37
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.140	1.121	7.656	0.00	5.20
100.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.140	1.121	7.656	0.00	57.20
100.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.140	1.121	7.656	0.00	11.00
100.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.140	1.121	7.656	0.00	0.80
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.145	1.134	7.764	0.00	1.37
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.145	1.134	7.764	0.00	5.20
105.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.145	1.134	7.764	0.00	57.20
105.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.145	1.134	7.764	0.00	11.00
105.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.145	1.134	7.764	0.00	0.80
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.150	1.149	7.868	0.00	1.37
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.150	1.149	7.868	0.00	5.20
110.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.150	1.149	7.868	0.00	57.20
110.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.150	1.149	7.868	0.00	11.00
110.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.150	1.149	7.868	0.00	0.80
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.155	1.164	7.968	0.00	1.37
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.155	1.164	7.968	0.00	5.20
115.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.155	1.164	7.968	0.00	57.20
115.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.155	1.164	7.968	0.00	11.00
115.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.155	1.164	7.968	0.00	0.80
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.160	1.180	8.066	0.00	1.37
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.160	1.180	8.066	0.00	5.20
120.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.160	1.180	8.066	0.00	57.20
120.00	1 5/8" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	0.160	1.180	8.066	0.00	11.00
120.00	1/2" Coax	Yes	5.00	0.000	0.50	0.21	0.00	0.160	1.180	8.066	0.00	0.80
124.08	Safety Cable	Yes	4.08	0.000	0.38	0.13	0.00	0.165	1.195	8.143	0.00	1.11
124.08	Step bolts (ladder)	Yes	4.08	0.000	0.63	0.21	0.00	0.165	1.195	8.143	0.00	4.25
124.08	1 5/8" Coax	Yes	4.08	0.000	3.96	1.35	0.00	0.165	1.195	8.143	0.00	46.71
124.08	1 5/8" Fiber	Yes	4.08	0.000	0.00	0.00	0.00	0.165	1.195	8.143	0.00	8.98
124.08	1/2" Coax	Yes	4.08	0.000	0.50	0.17	0.00	0.165	1.195	8.143	0.00	0.65
125.00	Safety Cable	Yes	0.92	0.000	0.38	0.03	0.00	0.168	1.204	8.160	0.00	0.25

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00594-S	**Code:**	TIA-222-H	7/10/2023	
Site Name:	Plainfield North	**Exposure:**	B		
Height:	178.00 (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	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 24

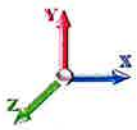
Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
125.00	Step bolts (ladder)	Yes	0.92	0.000	0.63	0.05	0.00	0.168	1.204	8.160	0.00	0.95
125.00	1 5/8" Coax	Yes	0.92	0.000	3.96	0.30	0.00	0.168	1.204	8.160	0.00	10.49
125.00	1 5/8" Fiber	Yes	0.92	0.000	0.00	0.00	0.00	0.168	1.204	8.160	0.00	2.02
125.00	1/2" Coax	Yes	0.92	0.000	0.50	0.04	0.00	0.168	1.204	8.160	0.00	0.15
129.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.032	0.000	8.234	0.00	1.09
129.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.032	0.000	8.234	0.00	4.16
130.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.032	0.000	8.252	0.00	0.27
130.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.032	0.000	8.252	0.00	1.04
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	8.342	0.00	1.37
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	8.342	0.00	5.20
140.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	8.429	0.00	1.37
140.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	8.429	0.00	5.20
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	8.514	0.00	1.37
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	8.514	0.00	5.20
150.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	8.597	0.00	1.37
150.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	8.597	0.00	5.20
152.50	Safety Cable	Yes	2.50	0.000	0.38	0.08	0.00	0.038	0.000	8.637	0.00	0.68
152.50	Step bolts (ladder)	Yes	2.50	0.000	0.63	0.13	0.00	0.038	0.000	8.637	0.00	2.60
155.00	Safety Cable	Yes	2.50	0.000	0.38	0.08	0.00	0.039	0.000	8.678	0.00	0.68
155.00	Step bolts (ladder)	Yes	2.50	0.000	0.63	0.13	0.00	0.039	0.000	8.678	0.00	2.60
160.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.040	0.000	8.757	0.00	1.37
160.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.040	0.000	8.757	0.00	5.20
165.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.042	0.000	8.834	0.00	1.37
165.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.042	0.000	8.834	0.00	5.20
										Totals:	**0.0**	**1,900.2**

Calculated Forces

Structure: CT00594-S
Site Name: Plainfield North
Height: 178.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/10/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-61.59	-10.03	0.00	-1261.1	0.00	1261.13	6109.19	1631.76	7852.82	7187.37	0.00	0.000	0.000	0.186
5.00	-59.90	-9.94	0.00	-1210.9	0.00	1210.98	6042.67	1599.27	7543.22	6966.35	0.02	-0.044	0.000	0.184
10.00	-58.13	-9.84	0.00	-1161.3	0.00	1161.31	5973.91	1566.78	7239.84	6745.94	0.09	-0.090	0.000	0.182
15.00	-56.39	-9.75	0.00	-1112.1	0.00	1112.10	5902.91	1534.29	6942.70	6526.30	0.21	-0.136	0.000	0.180
20.00	-54.69	-9.66	0.00	-1063.3	0.00	1063.36	5829.67	1501.80	6651.77	6307.60	0.38	-0.183	0.000	0.178
25.00	-53.01	-9.57	0.00	-1015.0	0.00	1015.08	5754.19	1469.31	6367.08	6089.98	0.60	-0.231	0.000	0.176
30.00	-51.37	-9.47	0.00	-967.25	0.00	967.25	5676.47	1436.82	6088.61	5873.62	0.87	-0.280	0.000	0.174
32.83	-50.45	-9.41	0.00	-940.43	0.00	940.43	5631.44	1418.41	5933.57	5751.63	1.04	-0.308	0.000	0.173
35.00	-49.19	-9.38	0.00	-920.05	0.00	920.05	5596.51	1404.33	5816.37	5658.66	1.19	-0.330	0.000	0.171
40.00	-46.32	-9.26	0.00	-873.17	0.00	873.17	5104.93	1311.76	5413.18	5145.84	1.56	-0.381	0.000	0.179
45.00	-44.83	-9.15	0.00	-826.86	0.00	826.86	5033.50	1281.30	5164.70	4954.92	1.98	-0.432	0.000	0.176
50.00	-43.36	-9.04	0.00	-781.09	0.00	781.09	4959.83	1250.84	4922.07	4765.22	2.47	-0.485	0.000	0.173
55.00	-41.93	-8.93	0.00	-735.88	0.00	735.88	4883.92	1220.38	4685.27	4576.90	3.00	-0.538	0.000	0.169
60.00	-40.53	-8.81	0.00	-691.25	0.00	691.25	4805.76	1189.92	4454.32	4390.12	3.59	-0.592	0.000	0.166
65.00	-39.15	-8.69	0.00	-647.22	0.00	647.22	4725.37	1159.46	4229.19	4205.04	4.24	-0.646	0.000	0.162
70.00	-37.81	-8.56	0.00	-603.79	0.00	603.79	4642.74	1129.00	4009.91	4021.83	4.95	-0.701	0.000	0.158
75.00	-36.49	-8.43	0.00	-560.98	0.00	560.98	4557.87	1098.54	3796.46	3840.63	5.71	-0.757	0.000	0.154
77.92	-35.74	-8.35	0.00	-536.37	0.00	536.37	4507.27	1080.76	3674.51	3735.80	6.19	-0.790	0.000	0.152
80.00	-34.79	-8.30	0.00	-519.00	0.00	519.00	4470.76	1068.08	3588.85	3661.61	6.54	-0.814	0.000	0.150
84.00	-33.01	-8.17	0.00	-485.78	0.00	485.78	4079.95	996.52	3347.20	3342.88	7.24	-0.859	0.000	0.153
85.00	-32.77	-8.16	0.00	-477.63	0.00	477.63	4064.53	990.86	3309.24	3311.11	7.42	-0.871	0.000	0.152
90.00	-31.59	-8.02	0.00	-436.85	0.00	436.85	3985.82	962.43	3122.08	3152.82	8.36	-0.927	0.000	0.147
95.00	-30.43	-7.89	0.00	-396.74	0.00	396.74	3904.88	934.00	2940.36	2996.54	9.36	-0.983	0.000	0.140
100.00	-29.31	-7.75	0.00	-357.30	0.00	357.30	3803.39	905.57	2764.09	2828.81	10.42	-1.038	0.000	0.134
105.00	-28.21	-7.61	0.00	-318.55	0.00	318.55	3683.99	877.14	2593.26	2652.97	11.54	-1.092	0.000	0.128
110.00	-27.14	-7.47	0.00	-280.50	0.00	280.50	3564.59	848.71	2427.89	2482.78	12.71	-1.146	0.000	0.121
115.00	-26.10	-7.33	0.00	-243.14	0.00	243.14	3445.19	820.28	2267.96	2318.23	13.94	-1.197	0.000	0.113
120.00	-25.09	-7.19	0.00	-206.49	0.00	206.49	3325.79	791.86	2113.49	2159.32	15.22	-1.245	0.000	0.103
124.08	-24.28	-7.06	0.00	-177.15	0.00	177.15	3228.28	768.64	1991.37	2033.73	16.30	-1.283	0.000	0.095
125.00	-20.67	-5.93	0.00	-170.67	0.00	170.67	3206.39	763.43	1964.46	2006.05	16.55	-1.292	0.000	0.092
129.00	-19.58	-5.82	0.00	-146.94	0.00	146.94	1872.41	487.58	1246.47	1169.59	17.64	-1.326	0.000	0.136
130.00	-19.45	-5.81	0.00	-141.12	0.00	141.12	1864.30	483.92	1227.85	1155.72	17.92	-1.334	0.000	0.133
135.00	-16.48	-5.03	0.00	-112.09	0.00	112.09	1822.43	465.65	1136.86	1086.70	19.35	-1.389	0.000	0.112
140.00	-15.88	-4.92	0.00	-86.94	0.00	86.94	1778.31	447.37	1049.37	1018.38	20.83	-1.438	0.000	0.094
145.00	-11.67	-3.70	0.00	-62.36	0.00	62.36	1731.96	429.10	965.39	950.92	22.36	-1.479	0.000	0.072
150.00	-11.13	-3.58	0.00	-43.87	0.00	43.87	1683.36	410.82	884.91	884.47	23.93	-1.512	0.000	0.056
152.50	-10.38	-3.34	0.00	-34.90	0.00	34.90	1658.23	401.68	845.98	851.67	24.73	-1.527	0.000	0.047
155.00	-6.74	-2.02	0.00	-26.54	0.00	26.54	1632.53	392.54	807.93	819.19	25.53	-1.538	0.000	0.037
160.00	-6.31	-1.92	0.00	-16.43	0.00	16.43	1571.93	374.27	734.45	751.65	27.15	-1.556	0.000	0.026
165.00	-2.21	-0.72	0.00	-6.84	0.00	6.84	1495.17	355.99	664.47	679.62	28.79	-1.567	0.000	0.012
170.00	-1.88	-0.62	0.00	-3.26	0.00	3.26	1418.42	337.72	598.00	611.22	30.43	-1.572	0.000	0.007
175.00	-0.18	-0.05	0.00	-0.16	0.00	0.16	1341.66	319.44	535.03	546.45	32.08	-1.574	0.000	0.000
178.00	0.00	-0.05	0.00	0.00	0.00	0.00	1295.60	308.48	498.93	509.33	33.07	-1.575	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	47.1	0.00	73.82	0.00	0.00	5972.46
0.9D + 1.0W 123 mph Wind	47.1	0.00	55.34	0.00	0.00	5879.18
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.6	0.00	98.02	0.00	0.00	1392.74
1.2D + 1.0Ev + 1.0Eh	0.8	0.00	76.41	0.00	0.00	124.09
0.9D + 1.0Ev + 1.0Eh	0.8	0.00	57.85	0.00	0.00	122.34
1.0D + 1.0W 60 mph Wind	10.0	0.00	61.59	0.00	0.00	1261.13

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	-73.82	-47.14	0.00	-5972.4	0.00	-5972.4	6109.19	1631.7	7852.82	7187.37	0.00	0.844
0.9D + 1.0W 123 mph Wind	-55.34	-47.10	0.00	-5879.1	0.00	-5879.1	6109.19	1631.7	7852.82	7187.37	0.00	0.828
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-98.02	-10.60	0.00	-1392.7	0.00	-1392.7	6109.19	1631.7	7852.82	7187.37	0.00	0.210
1.2D + 1.0Ev + 1.0Eh	-76.41	-0.81	0.00	-124.09	0.00	-124.09	6109.19	1631.7	7852.82	7187.37	0.00	0.030
0.9D + 1.0Ev + 1.0Eh	-57.85	-0.81	0.00	-122.34	0.00	-122.34	6109.19	1631.7	7852.82	7187.37	0.00	0.026
1.0D + 1.0W 60 mph Wind	-61.59	-10.03	0.00	-1261.1	0.00	-1261.1	6109.19	1631.7	7852.82	7187.37	0.00	0.186

Base Plate Summary

Structure:	CT00594-S		**Code:**	TIA-222-H	7/10/2023
Site Name:	Plainfield North		**Exposure:**	B	
Height:	178.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 50

SBA

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	60.00	**Bolt Circle:**	66.81
Moment (kip-ft):	5595.92	**Width (in):**	72.81	**Number Bolts:**	24.00
Axial (kip):	50.66	**Style:**	Polygon	**Bolt Type:**	2.25" 18J
Shear (kip):	45.22	**Polygon Sides:**	12.00	**Bolt Diameter (in):**	2.25
		Clip Length (in):	0.00	**Yield (ksi):**	75.00
Analysis (1.2D + 1.0W)				**Ultimate (ksi):**	100.00
Moment (kip-ft):	5972.46	**Effective Len (in):**	12.43	**Arrangement:**	Radial
Axial (kip):	73.82	**Moment (kip-in):**	778.38	**Cluster Dist (in):**	0.00
Shear (kip):	47.14	**Allow Stress (ksi):**	81.00	**Start Angle (deg):**	15.00
		Applied Stress (ksi):	42.12	Compression	
		Stress Ratio:	0.52	**Force (kip):**	181.87
				Allowable (kip):	268.39
				Ratio:	0.68
				Tension	
				Force (kip):	175.71
				Allowable (kip):	243.75
				Ratio:	0.72

Monopole Mat Foundation Design

Date	7/7/2023		
Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	178
Site Number:	CT00594-S	Engineer Name:	SBA Engineer
Engr. Number:		Engineer Login ID:	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

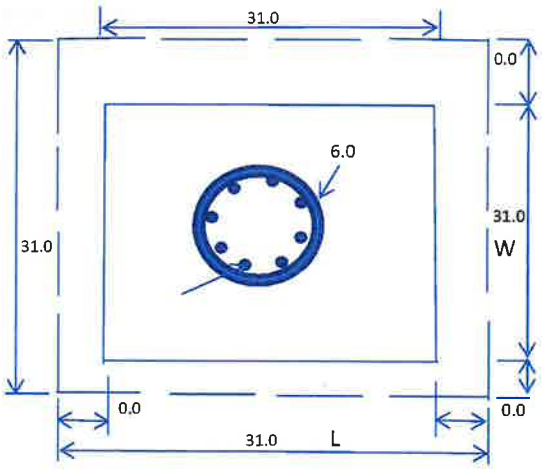
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	73.8	Shear Force (Kips):	47.1
Uplift Force (Kips):	0.0	Moment (Kips-ft):	5972.5

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	6.0	Depth of Base BG (ft.):	3.2
Pier Height A. G. (ft.):	0.00	Thickness of Pad (ft):	3.20
Length of Pad (ft.):	31	Width of Pad (ft.):	31
Final Length of pad (ft)	31.0	Final width of pad (ft):	31.0



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	8	Tie / Stirrup Size #:	8	
Qty. of Rebar in Pad (L):	29	Qty. of Rebar in Pad (W):	29	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	29	Qty. of Rebar in Pad (W):	29	

Soil Design Parameters:

Soil Unit Weight (pcf):	125.0	Soil Buoyant Weight:	52.6	Pcf		
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):	16000	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.):	3075.34	Total Dry Concrete Weight (Kips):	461.30
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	461.30	Total Vertical Load on Base (Kips):	535.10

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2494	<	Allowable Factored Soil Bearing (psf):	12000	0.21	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7579.1	>	Design Factored Momont (kips-ft):	6123	0.81	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.24	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:

						Load/ Capacity Ratio	
One-Way Design Shear Capacity (L-Direction, Kips):	1066.6	>	One-Way Factored Shear (L-D. Kips):	333.2	0.31	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1066.6	>	One-Way Factored Shear (W-D., Kips):	333.2	0.31	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	1101.9	>	One-Way Factored Shear (C-C, Kips):	351.8	0.32	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0018	OK!	Lower Steel Pad Reinf. Ratio (W-Direct.)	0.0018		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	3523.3	>	Moment at Bottom (L-Dir. K-Ft):	2228.3	0.63	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	3523.3	>	Moment at Bottom (W-Dir. K-Ft):	2228.3	0.63	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	4966.0	>	Moment at Bottom (C-C Dir. K-Ft):	3151.3	0.63	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0018	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0018		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	3523.3	>	Moment at the top (L-Dir K-Ft):	1127.1	0.32	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	3523.3	>	Moment at the top (W-Dir K-Ft):	1127.1	0.32	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	4966.0	>	Moment at the top (C-C Dir. K-Ft):	1050.7	0.21	OK!

Colliers Engineering & Design CT, PC
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 #: 10206275
Colliers Engineering & Design CT, PC Project #: 23777040 (Rev. 1)

July 10, 2023

Site Information	*Site ID:*	*5000051187-VZW / PLAINFIELD N CT*
	Site Name:	*PLAINFIELD N CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*548 Green Hollow Rd.* *Plainfield, Connecticut 06374* *Windham County*
	Latitude:	*41.746003°*
	Longitude:	*-71.880158°*
Structure Information	*Tower Type:*	*180-Ft Monopole*
	Mount Type:	*14.33-Ft Platform*

FUZE ID # 17123690

Analysis Results

Platform: **58.4% Pass***

***Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

******Contractor PMI Requirements:***
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com

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

Report Prepared By: Frank Centone

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: 675014, dated August 13, 2021*
Mount Mapping Report	*Structural Components, Site ID: 16272609, dated March 18, 2021*
Previous Post Modification Inspection	*Colliers Engineering & Design, Project #: 21777377A, dated February 8, 2023*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.989
Seismic Parameters:	S_S:	0.186 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
124.50	125.00	4	KAelus	BSF0020F3V1-1	Added
		6	JMA Wireless	MX06FRO660-03	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		6	Antel	LPA-80080/4CF	
		2	Raycap	RHSDC-3315-PF-48	
		1	Generic	GPS	

The recent mount mapping reported existing OVP units. 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 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 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 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.

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff_1	15.0 %	Pass
Standoff_2	9.5 %	Pass
Grating Angle	35.0 %	Pass
Cross Members	19.4 %	Pass
Face Horizontal	58.4 %	Pass
Mount Pipe	24.7 %	Pass
Support Rail	16.4 %	Pass
Support Rail Angle	20.3 %	Pass
Kicker	8.6 %	Pass
Mount Connection	19.1 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**58.4%**

BASELINE mount weight per SBA agreement: 2121.12 lbs

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

The weights listed above include 3 sector(s).

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	33.2	33.2	50.8	50.8
0.5	41.4	41.4	66.4	66.4
1	48.7	48.7	81.2	81.2

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

Requirements:

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

Existing radio on position 4 to be relocated to position 1 in each sector. See Antenna Placement Diagram for reference.

Existing OVPs to be relocated from grating to mount pipe 4. See Antenna Placement Diagram for reference.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000051187 SMART Project #: 10206275 Fuze Project ID: 17123690

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:

Existing radio on position 4 to be relocated to position 1 in each sector. See Antenna Placement Diagram for reference.

Existing OVPs to be relocated from grating to mount pipe 4. See Antenna Placement Diagram for reference.

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: 5000051187-VZW - PLAINFIELD N CT

Sector: A

Structure Type: Monopole

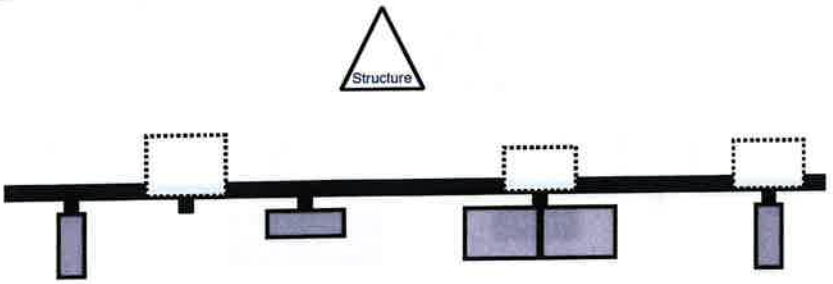
Mount Elev: 124.50

10206275

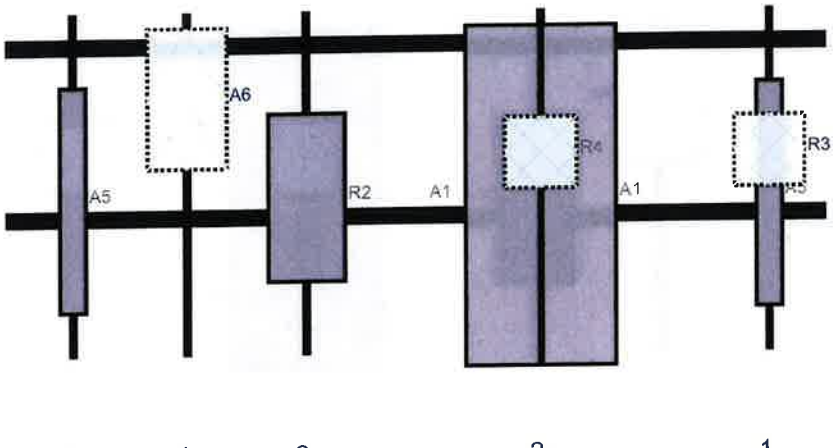
7/10/2023

Colliers Engineering & Design

Plan View

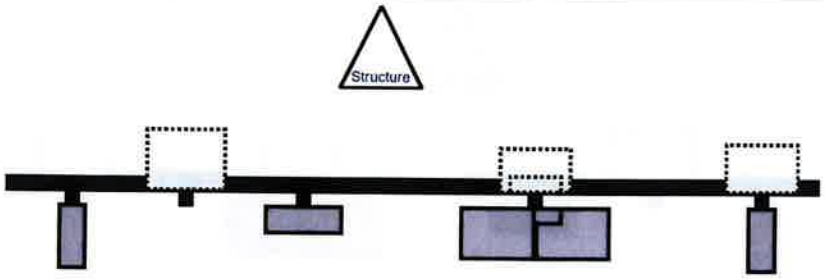


Front View - Looking at Structure

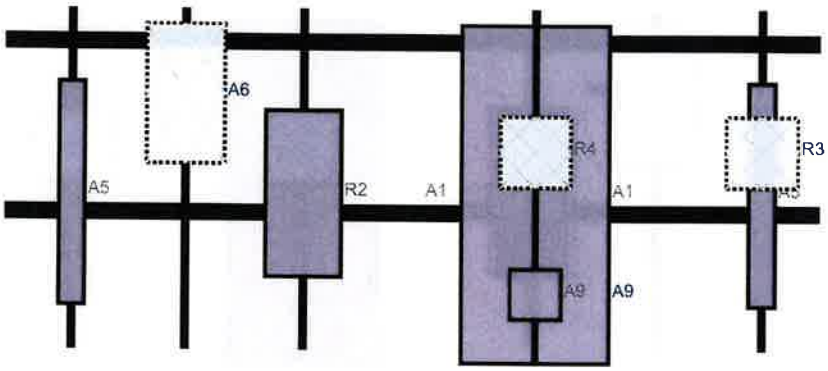


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	LPA-80080/4CF ___	47.2	5.5	160	1	a	Front	39	0	Retained	01/27/2023
R3	RF4439d-25A	15	15	160	1	a	Behind	30	0	Retained	01/27/2023
A1	MX06FRO660-03	71.3	15.4	112	2	a	Front	39	-8	Retained	01/27/2023
A1	MX06FRO660-03	71.3	15.4	112	2	b	Front	39	8	Retained	01/27/2023
R4	RF4440d-13A	15	15	112	2	a	Behind	30	0	Retained	01/27/2023
R2	MT6407-77A	35.1	16.1	63	3	a	Front	39	0	Retained	01/27/2023
A6	RHSDC-3315-PF-48	29.5	16.5	38	4	a	Behind	18	0	Retained	01/27/2023
A5	LPA-80080/4CF ___	47.2	5.5	14	5	a	Front	39	0	Retained	01/27/2023

Plan View



Front View - Looking at Structure

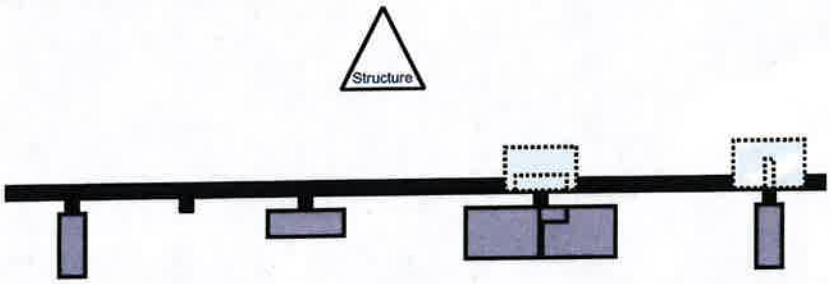


5 4 3 2 1

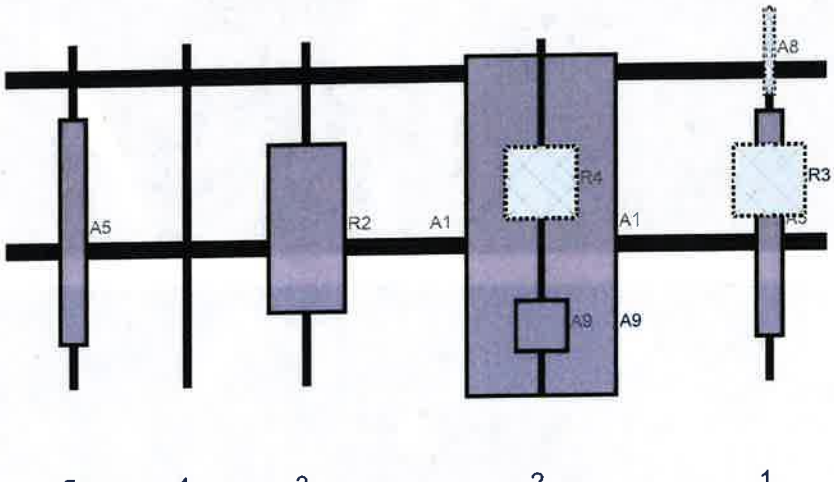
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A5	LPA-80080/4CF ___	47.2	5.5	160	1	a	Front	39	0	Retained	01/27/2023
R3	RF4439d-25A	15	15	160	1	a	Behind	30	0	Retained	01/27/2023
A1	MX06FRO660-03	71.3	15.4	112	2	a	Front	39	-8	Retained	01/27/2023
A1	MX06FRO660-03	71.3	15.4	112	2	b	Front	39	8	Retained	01/27/2023
R4	RF4440d-13A	15	15	112	2	a	Behind	30	0	Retained	01/27/2023
A9	BSF0020F3V1-1	10.6	10.9	112	2	a	Behind	60	0	Added	
A9	BSF0020F3V1-1	10.6	10.9	112	2	b	Front	60	0	Added	
R2	MT6407-77A	35.1	16.1	63	3	a	Front	39	0	Retained	01/27/2023
A6	RHSDC-3315-PF-48	29.5	16.5	38	4	a	Behind	18	0	Retained	01/27/2023
A5	LPA-80080/4CF ___	47.2	5.5	14	5	a	Front	39	0	Retained	01/27/2023

Colliers Engineering & Design

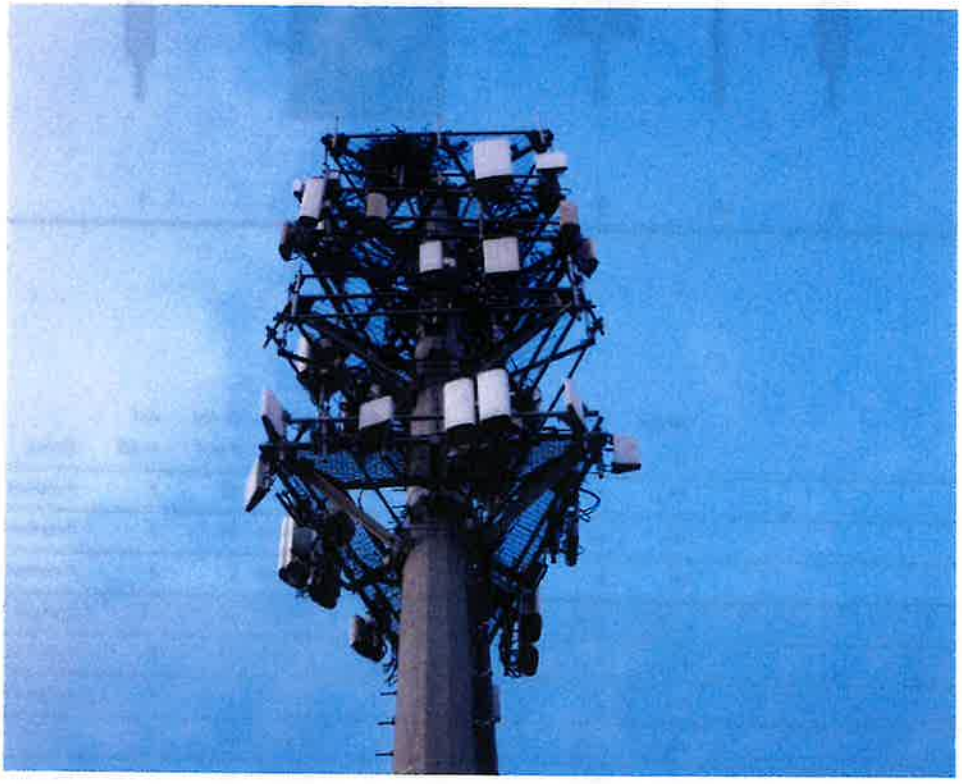
Plan View



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
A5	LPA-80080/4CF ___	47.2	5.5	160	1	a	Front	39	0	Retained	01/27/2023
R3	RF4439d-25A	15	15	160	1	a	Behind	30	0	Retained	01/27/2023
A8	GPS	18	2	160	1	a	Behind	3	0	Retained	01/27/2023
A1	MX06FRO660-03	71.3	15.4	112	2	a	Front	39	-8	Retained	01/27/2023
A1	MX06FRO660-03	71.3	15.4	112	2	b	Front	39	8	Retained	01/27/2023
R4	RF4440d-13A	15	15	112	2	a	Behind	30	0	Retained	01/27/2023
A9	BSF0020F3V1-1	10.6	10.9	112	2	a	Behind	60	0	Added	
A9	BSF0020F3V1-1	10.6	10.9	112	2	b	Front	60	0	Added	
R2	MT6407-77A	35.1	16.1	63	3	a	Front	39	0	Retained	01/27/2023
A5	LPA-80080/4CF ___	47.2	5.5	14	5	a	Front	39	0	Retained	01/27/2023

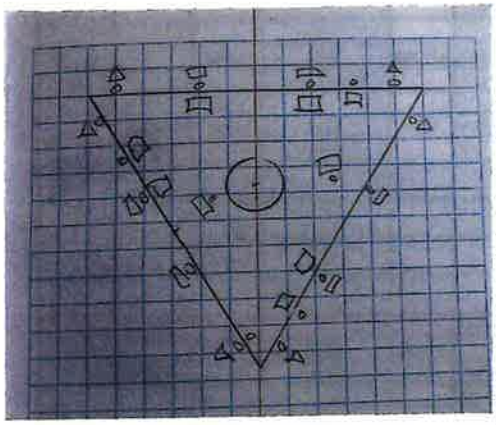


V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1059566

Tower Owner:	SBA	Mapping Date:	3/18/2012
Site Name:	PLAINFIELD N CT	Tower Type:	Monopole
Site Number or ID:	16272609	Tower Height (Ft.):	180
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):	125

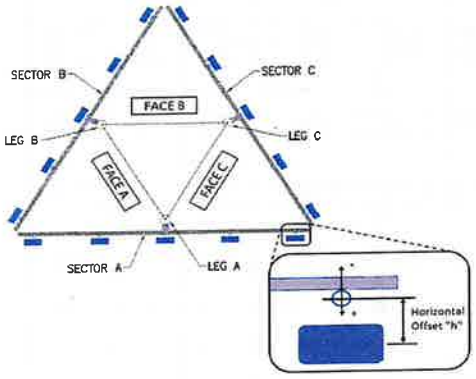


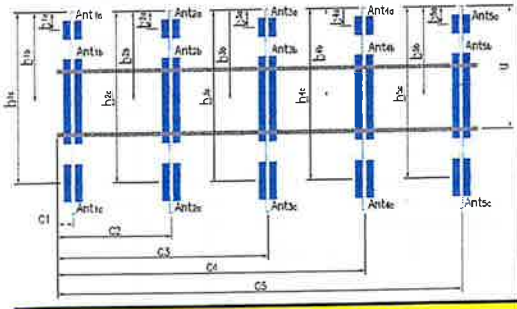
Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "b"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "b"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8 x 0.154 x 72	43.00	12.00	C1	2-3/8 x 0.154 x 72	42.00	12.00
A2	2-3/8 x 0.154 x 83	37.00	60.00	C2	2-3/8 x 0.154 x 84	39.00	60.00
A3	2-3/8 x 0.154 x 72	43.00	109.00	C3	2-3/8 x 0.154 x 72	43.00	108.50
A4	2-3/8 x 0.154 x 72	43.00	134.00	C4	2-3/8 x 0.154 x 73	44.00	133.50
A5	2-3/8 x 0.154 x 73	43.00	157.50	C5	2-3/8 x 0.154 x 72	43.00	156.50
A6				C6			
B1	2-3/8 x 0.154 x 73	43.00	12.00	D1			
B2	2-3/8 x 0.154 x 84	36.00	60.50	D2			
B3	2-3/8 x 0.154 x 72	41.00	108.50	D3			
B4	2-3/8 x 0.154 x 72	41.00	137.00	D4			
B5	2-3/8 x 0.154 x 72	42.00	154.25	D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	30.5



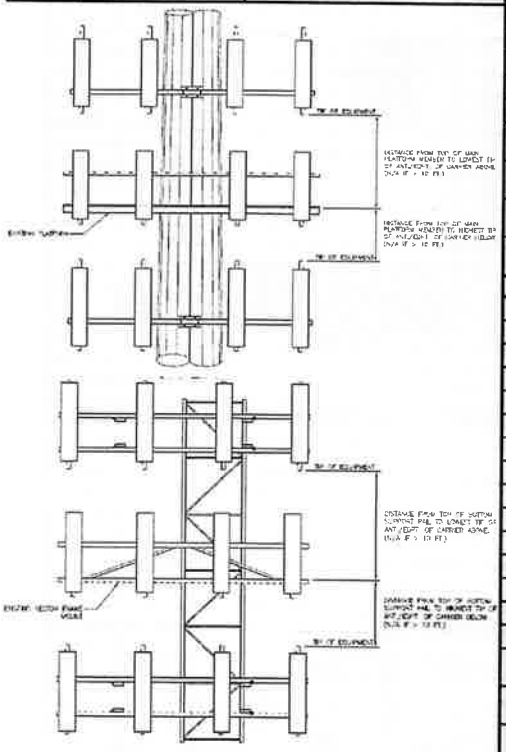


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances "b_{1a}, b_{2a}, b_{3a}, b_{1b}..." (inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA80080-4CF-EDIN	6.00	13.00	48.00	1-5/8 tx	125.667	35.00	14.00	35.00	7, 144
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	11.00	5.50	36.00	Jumpers	124.583	42.00	-7.00		7, 149
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00	Jumpers	125.917	26.00	8.00	35.00	7, 149
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	7.50	20.00	Jumpers	127.25	16.00	-6.50		7, 168
Ant_{3b}	SBNHH-1D65B	12.00	7.00	73.00	Jumpers	125.708	34.50	8.00	35.00	7, 168
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	B25 RRH 4x30	12.00	7.00	21.00	Jumpers	127.958	7.50	-7.00	35.00	7, 184
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA80080-4CF-EDIN	6.00	13.00	48.00	1-5/8 tx	125.417	38.00	13.50	35.00	7, 194
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	30.00	Deg	Leg A:		Deg
Sector B:	150.00	Deg	Leg B:		Deg
Sector C:	270.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	270.00 Deg	N/A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was obstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA80080-4CF-EDIN	6.00	13.00	48.00	1-5/8 tx	125.333	39.00	13.75	160.00	15, 204
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	11.00	5.50	36.00	Jumpers	127	12.00	-7.00		15, 211
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00	Jumpers	125.958	24.50	7.50	160.00	15, 211
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	7.50	20.00	Jumpers	127.875	6.50	-6.50		15, 228
Ant_{3b}	SBNHH-1D65B	12.00	7.00	73.00	Jumpers	125.708	32.50	8.50	160.00	15, 228
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	B25 RRH 4x30	12.00	7.00	21.00	Jumpers	127.292	13.50	-7.50		15, 239
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA80080-4CF-EDIN	6.00	13.00	48.00	1-5/8 tx	125.5	36.00	13.50	160.00	15, 247
Ant_{5c}										
Ant on Standoff	RHSDC-3315-PF-48	14.00	11.00	19.00			38.50			221
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	GPS	3.00		5.00		130.083	-19.00			254
Ant_{1b}	LPA80080-4CF-EDIN	6.00	13.00	48.00	1-5/8 tx	125.5	36.00	13.50	275.00	23, 254
Ant_{1c}										
Ant_{2a}	B4 RRH 2x60-4R	11.00	5.50	36.00	Jumpers	127.25	12.00	-7.00		23, 271
Ant_{2b}	SBNHH-1D65B	12.00	7.00	73.00	Jumpers	126.125	25.50	8.00	275.00	23, 271
Ant_{2c}										
Ant_{3a}	B13 RRH 4x30	12.00	7.50	20.00	Jumpers	128.042	6.50	-6.50		23, 282
Ant_{3b}	SBNHH-1D65B	12.00	7.00	73.00	Jumpers	125.625	35.50	8.00	275.00	23, 282
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	B25 RRH 4x30	12.00	7.00	21.00	Jumpers	127.458	14.50	-7.50		23, 293
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	LPA80080-4CF-EDIN	6.00	13.00	48.00	1-5/8 tx	125.75	34.00	13.50	275.00	23, 301
Ant_{5c}										
Ant on Standoff	RHSDC-3315-PF-48	14.00	11.00	19.00			33.50			308
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1		
2		
3		
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

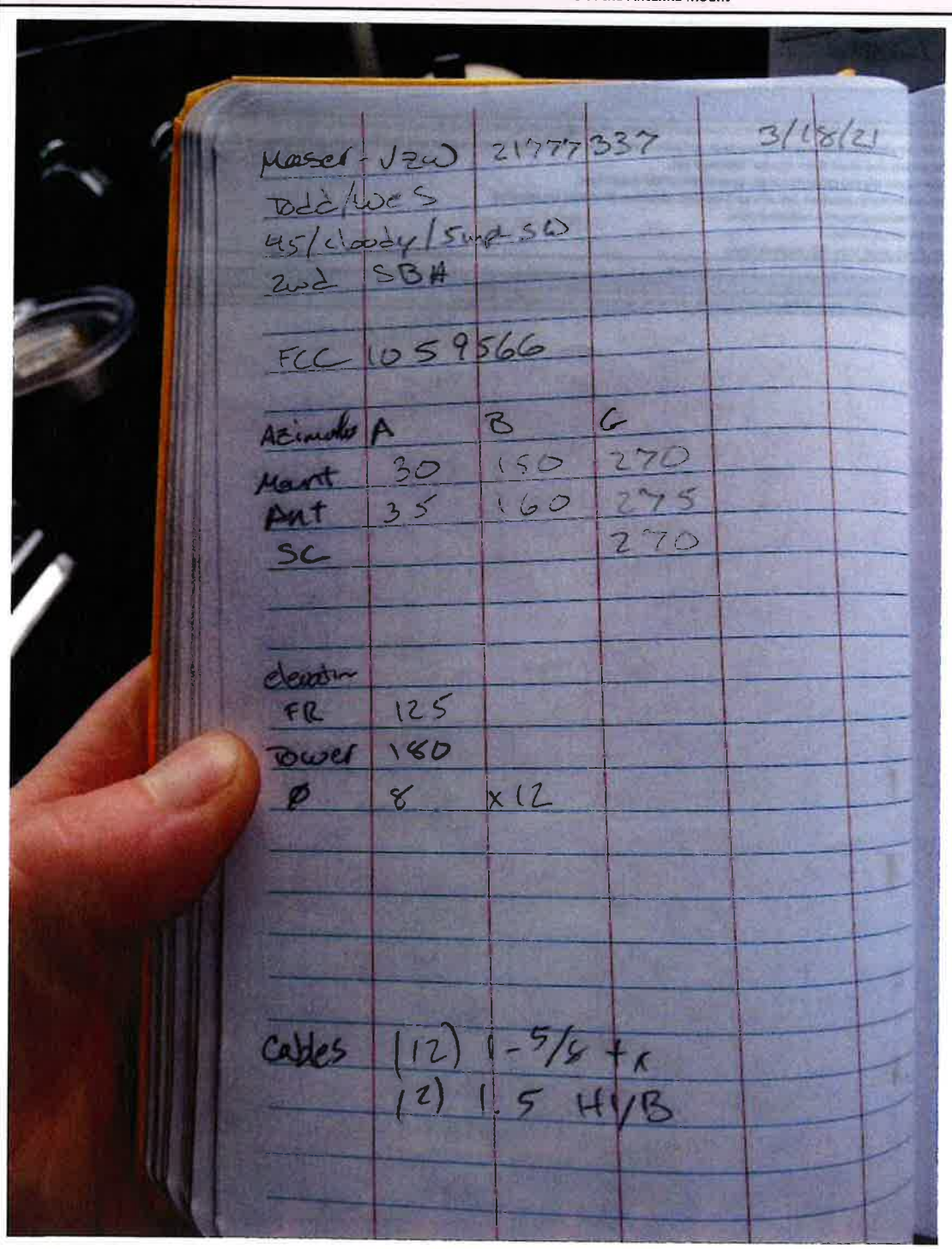
MASER CONSULTING P.A.

Antenna Mount Mapping Form (PATENT PENDING)

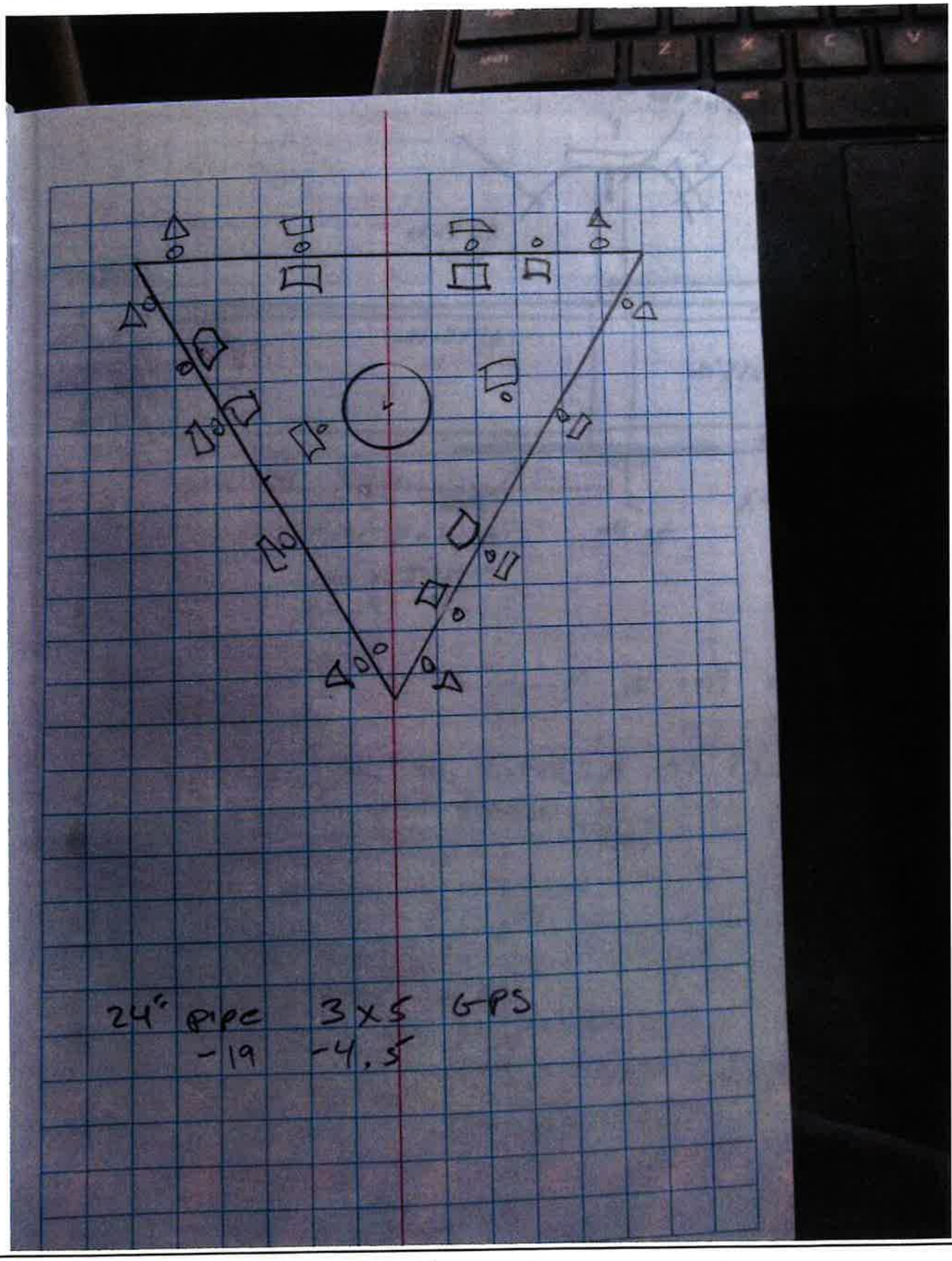
FCC #: 1059566

Tower Owner:	SBA	Mapping Date:	3/18/2012
Site Name:	PLAINFIELD N CT	Tower Type:	Monopole
Site Number or ID:	16272609	Tower Height (Ft.):	180
Mapping Contractor:	Structural Components	Mount Elevation (Ft.):	125

Please Insert Sketches of the Antenna Mount

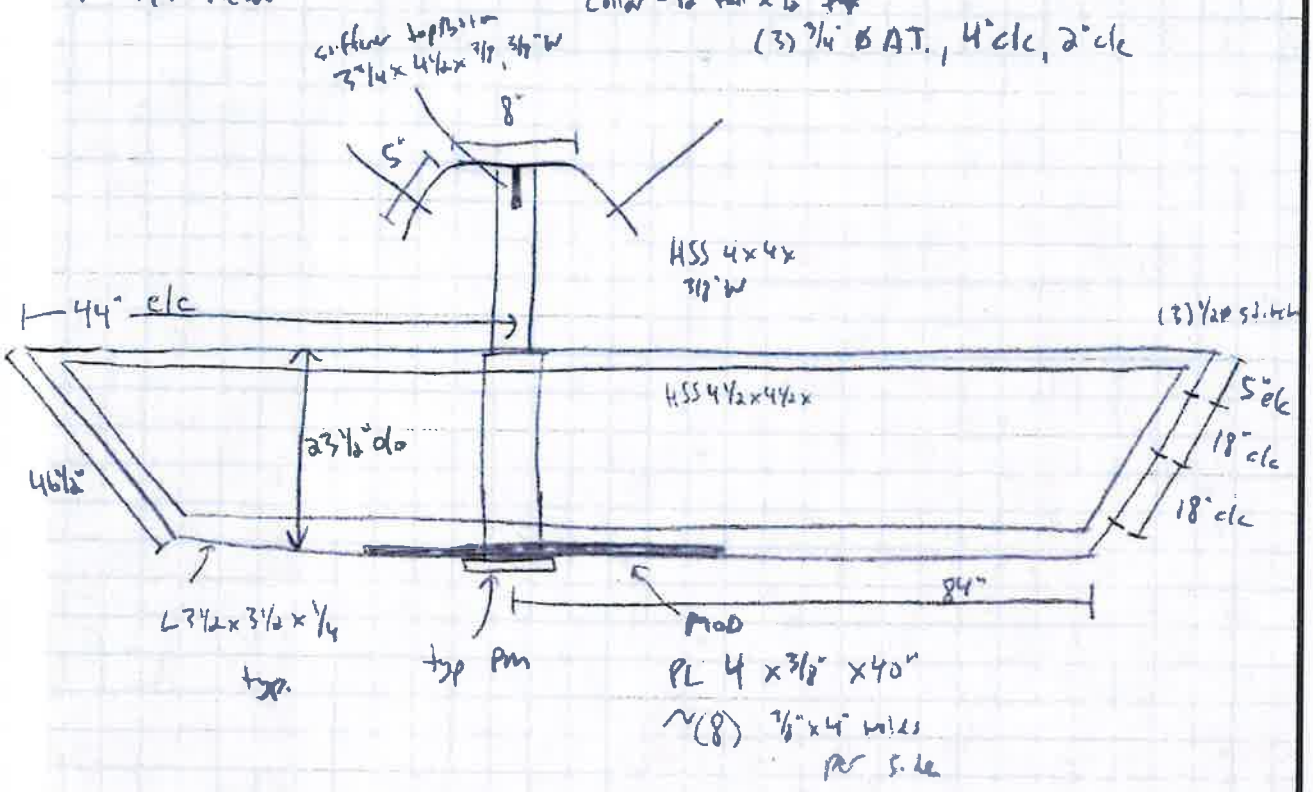


Please Insert Sketches of the Antenna Mount, cont'd



Please Insert Sketches of the Antenna Mount, cont'd

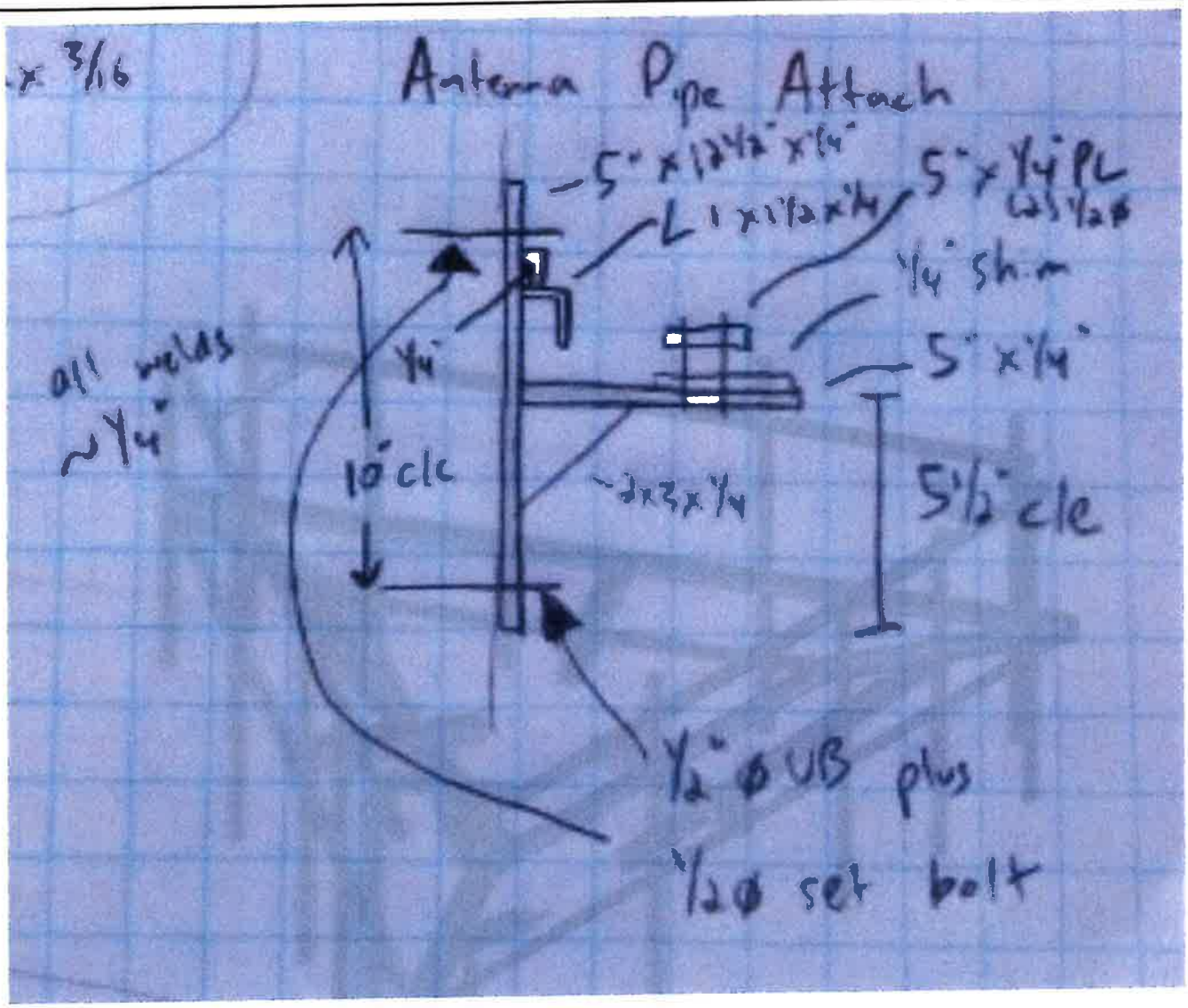
N. Plainfield



Position 4 PM - See Newington 2

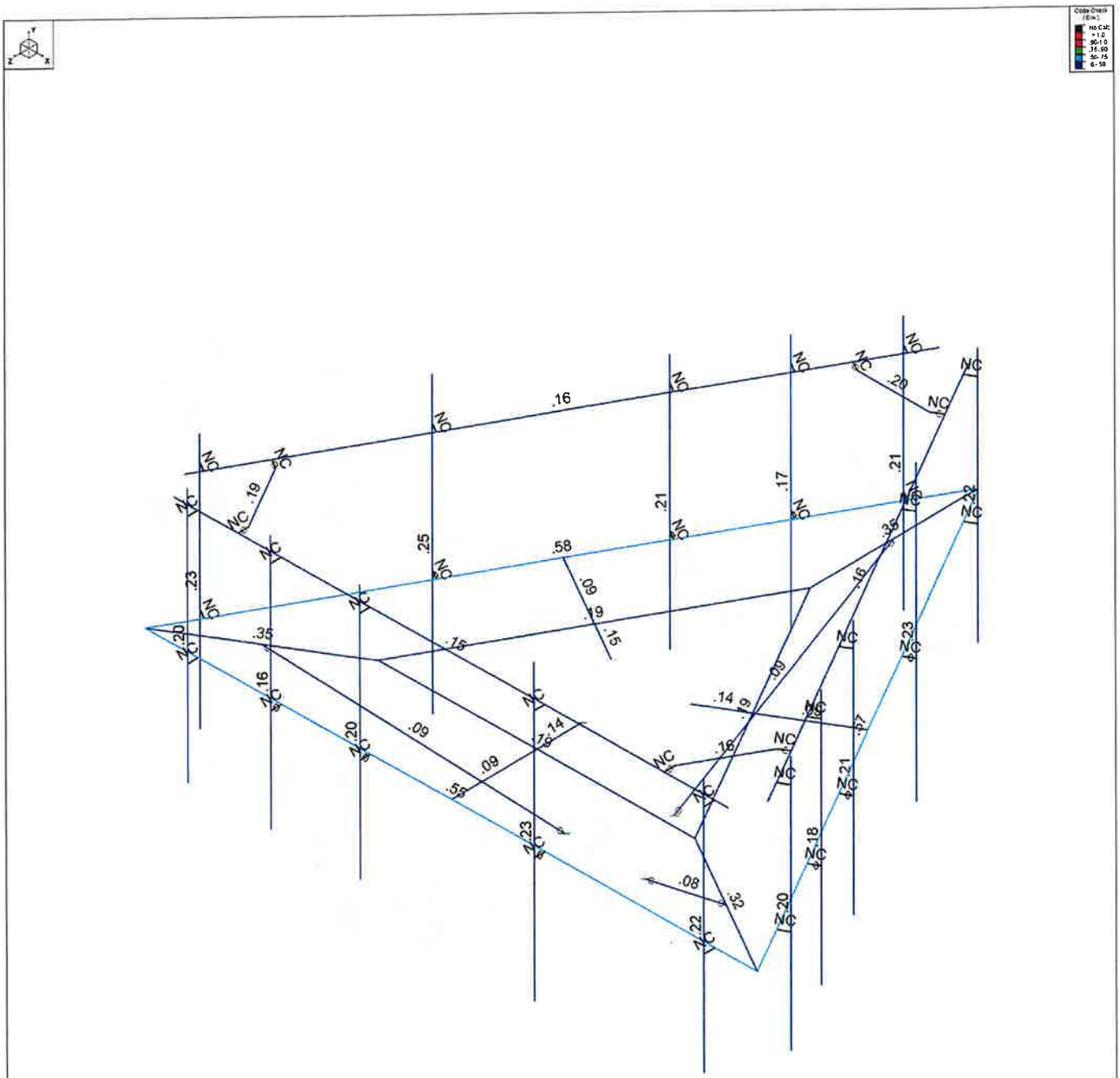
Position 1-3, 5 PM - PL - 12x5x⅜, ⅜W to L
(4) ½ Ø UB, 10" c/c

Please Insert Sketches of the Antenna Mount, cont'd



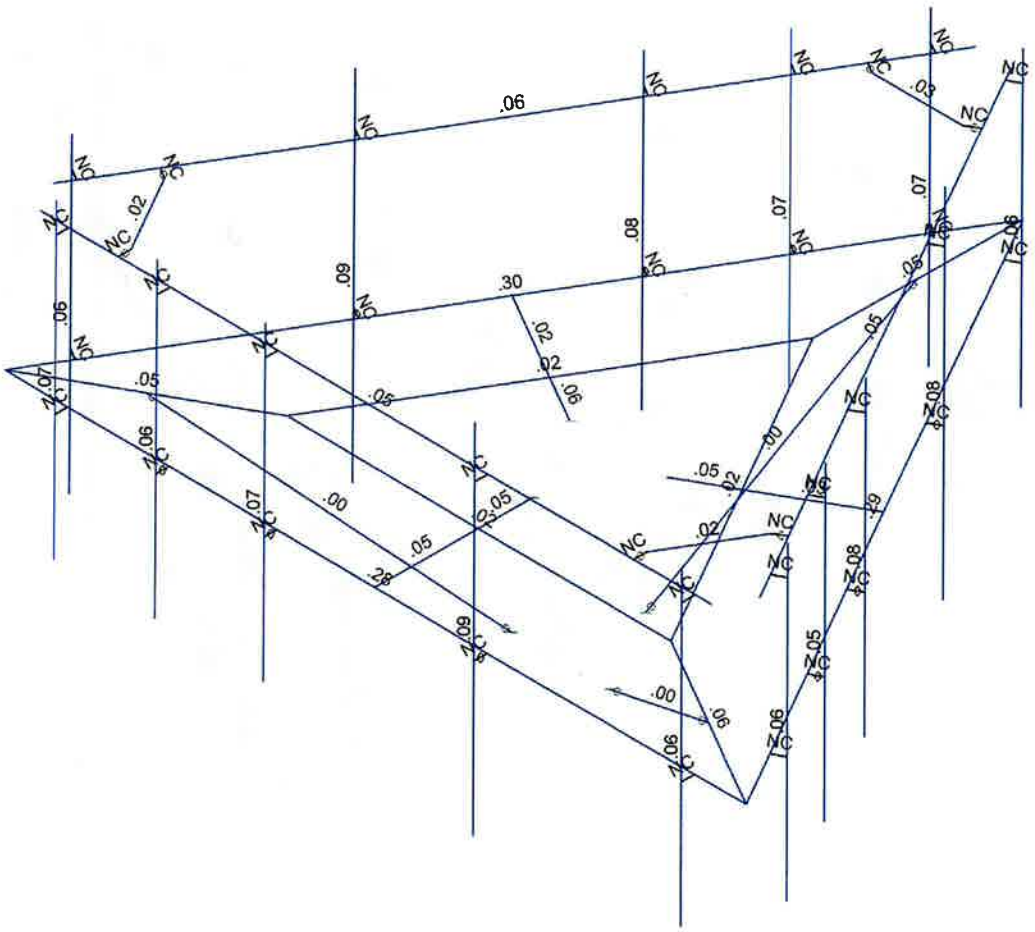
Envelope Only Solution

Colliers Engineering & Des..	5000051187-VZW_MT_LO_H	SK - 1
CL		July 5, 2023 at 2:57 PM
Project No. 10206275		5000051187-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & Des..	5000051187-VZW_MT_LO_H	SK - 2
CL		July 5, 2023 at 2:57 PM
Project No. 10206275		5000051187-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & Des..	5000051187-VZW_MT_LO_H	SK - 3
CL		July 5, 2023 at 2:57 PM
Project No. 10206275		5000051187-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					123			
2	Antenna Di	None					123			
3	Antenna Wo (0 Deg)	None					123			
4	Antenna Wo (30 Deg)	None					123			
5	Antenna Wo (60 Deg)	None					123			
6	Antenna Wo (90 Deg)	None					123			
7	Antenna Wo (120 Deg)	None					123			
8	Antenna Wo (150 Deg)	None					123			
9	Antenna Wo (180 Deg)	None					123			
10	Antenna Wo (210 Deg)	None					123			
11	Antenna Wo (240 Deg)	None					123			
12	Antenna Wo (270 Deg)	None					123			
13	Antenna Wo (300 Deg)	None					123			
14	Antenna Wo (330 Deg)	None					123			
15	Antenna Wi (0 Deg)	None					123			
16	Antenna Wi (30 Deg)	None					123			
17	Antenna Wi (60 Deg)	None					123			
18	Antenna Wi (90 Deg)	None					123			
19	Antenna Wi (120 Deg)	None					123			
20	Antenna Wi (150 Deg)	None					123			
21	Antenna Wi (180 Deg)	None					123			
22	Antenna Wi (210 Deg)	None					123			
23	Antenna Wi (240 Deg)	None					123			
24	Antenna Wi (270 Deg)	None					123			
25	Antenna Wi (300 Deg)	None					123			
26	Antenna Wi (330 Deg)	None					123			
27	Antenna Wm (0 Deg)	None					123			
28	Antenna Wm (30 Deg)	None					123			
29	Antenna Wm (60 Deg)	None					123			
30	Antenna Wm (90 Deg)	None					123			
31	Antenna Wm (120 Deg)	None					123			
32	Antenna Wm (150 Deg)	None					123			
33	Antenna Wm (180 Deg)	None					123			
34	Antenna Wm (210 Deg)	None					123			
35	Antenna Wm (240 Deg)	None					123			
36	Antenna Wm (270 Deg)	None					123			
37	Antenna Wm (300 Deg)	None					123			
38	Antenna Wm (330 Deg)	None					123			
39	Structure D	None		-1					3	
40	Structure Di	None						39	3	
41	Structure Wo (0 Deg)	None						78		
42	Structure Wo (30 Deg)	None						78		
43	Structure Wo (60 Deg)	None						78		
44	Structure Wo (90 Deg)	None						78		
45	Structure Wo (120 D...	None						78		
46	Structure Wo (150 D...	None						78		
47	Structure Wo (180 D...	None						78		
48	Structure Wo (210 D...	None						78		
49	Structure Wo (240 D...	None						78		
50	Structure Wo (270 D...	None						78		
51	Structure Wo (300 D...	None						78		
52	Structure Wo (330 D...	None						78		
53	Structure Wi (0 Deg)	None						78		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						78		
55	Structure Wi (60 Deg)	None						78		
56	Structure Wi (90 Deg)	None						78		
57	Structure Wi (120 De..	None						78		
58	Structure Wi (150 De..	None						78		
59	Structure Wi (180 De..	None						78		
60	Structure Wi (210 De..	None						78		
61	Structure Wi (240 De..	None						78		
62	Structure Wi (270 De..	None						78		
63	Structure Wi (300 De..	None						78		
64	Structure Wi (330 De..	None						78		
65	Structure Wm (0 Deg)	None						78		
66	Structure Wm (30 De..	None						78		
67	Structure Wm (60 De..	None						78		
68	Structure Wm (90 De..	None						78		
69	Structure Wm (120 D..	None						78		
70	Structure Wm (150 D..	None						78		
71	Structure Wm (180 D..	None						78		
72	Structure Wm (210 D..	None						78		
73	Structure Wm (240 D..	None						78		
74	Structure Wm (270 D..	None						78		
75	Structure Wm (300 D..	None						78		
76	Structure Wm (330 D..	None						78		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					123			
82	Antenna Eh (0 Deg)	None					82			
83	Antenna Eh (90 Deg)	None					82			
84	Structure Ev	ELY		-.04					3	
85	Structure Eh (0 Deg)	ELZ			-.099				3	
86	Structure Eh (90 Deg)	ELX	.099						3	
87	BLC 39 Transient Are..	None						30		
88	BLC 40 Transient Are..	None						30		
89	BLC 84 Transient Are..	None						30		
90	BLC 85 Transient Are..	None						30		
91	BLC 86 Transient Are..	None						30		

Load Combinations

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

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
15	1.2D + 1.0Di + 1.0Wi (6..	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (9..	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (3..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (3..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh (0..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (3..	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 + 1.0Eh (6..	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 + 1.0Eh (9..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (1..	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 + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
61	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (3..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866				
63	1.2D + 1.0Ev + 1.0Eh (3..	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 (0..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (3..	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 (6..	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 (9..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (1..	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 (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
72	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
73	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (3..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866				
75	0.9D - 1.0Ev + 1.0Eh (3..	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	CP	0.	0	-0.	0	
2	N2	0.	0	1.095417	0	
3	N10	-0.	0	-4.291667	0	
4	N11	-0.	0	-4.833334	0	
5	N12	-0.	0	-6.333334	0	
6	N13	-0.	0	-7.833334	0	
7	N14	-0.	0	-8.291667	0	
8	N15	-3.716693	0	2.145833	0	
9	N16	-7.180794	0	4.145833	0	
10	N17	3.716693	0	2.145833	0	
11	N18	7.180794	0	4.145833	0	
12	N15A	0.	0	2.145833	0	
13	N16A	0.	0	4.145833	0	
14	N15B	-4.18579	0	2.416667	0	
15	N16B	-5.484828	0	3.166667	0	
16	N17A	-6.783866	0	3.916667	0	
17	N18A	4.18579	0	2.416667	0	
18	N19	5.484828	0	3.166667	0	
19	N20	6.783866	0	3.916667	0	
20	N43	6.180798	0	4.145833	0	
21	N45	6.180798	0	4.395833	0	
22	N53	6.180798	3.583333	4.395833	0	
23	N54	6.180798	-2.416667	4.395833	0	
24	N67	3.597461	0	-2.060682	0	
25	N77	0.948658	0	-0.547709	0	
26	N78	1.858346	0	-1.072917	0	
27	N91	-3.583333	0	-2.085151	0	
28	N109	-0.948659	0	-0.547708	0	
29	N110	-1.858346	0	-1.072917	0	
30	N108A	3.590397	0	-2.072917	0	
31	N110A	-3.590397	0	-2.072917	0	
32	N119B	1.425334	0	-0.822917	0	
33	N34	2.180798	0	4.145833	0	
34	N35	2.180798	0	4.395833	0	
35	N36	2.180798	4	4.395833	0	
36	N37	2.180798	-2.916667	4.395833	0	
37	N39	-1.902536	0	4.145833	0	
38	N40	-1.902536	0	4.395833	0	
39	N41	-1.902536	3.583333	4.395833	0	
40	N42	-1.902536	-2.416667	4.395833	0	
41	N44	-3.985869	0	4.145833	0	
42	N45A	-3.985869	0	4.395833	0	
43	N46	-3.985869	3.583333	4.395833	0	
44	N47	-3.985869	-2.416667	4.395833	0	
45	N49	-5.944202	0	4.145833	0	
46	N50	-5.944202	0	4.395833	0	
47	N51	-5.944202	3.583333	4.395833	0	
48	N52	-5.944202	-2.416667	4.395833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N49A	0.499998	0	-7.425644	0	
50	N50A	0.716505	0	-7.550644	0	
51	N51A	0.716505	3.583333	-7.550644	0	
52	N52A	0.716505	-2.416667	-7.550644	0	
53	N53A	2.499998	0	-3.961543	0	
54	N54A	2.716505	0	-4.086543	0	
55	N55	2.716505	4	-4.086543	0	
56	N56	2.716505	-2.916667	-4.086543	0	
57	N57	4.541665	0	-0.425272	0	
58	N58	4.758171	0	-0.550272	0	
59	N59	4.758171	3.583333	-0.550272	0	
60	N60	4.758171	-2.416667	-0.550272	0	
61	N61	5.583332	0	1.378947	0	
62	N62	5.799838	0	1.253947	0	
63	N63	5.799838	3.583333	1.253947	0	
64	N64	5.799838	-2.416667	1.253947	0	
65	N65	6.562498	0	3.074914	0	
66	N66	6.779005	0	2.949914	0	
67	N67A	6.779005	3.583333	2.949914	0	
68	N68	6.779005	-2.416667	2.949914	0	
69	N69	-6.680796	0	3.279811	0	
70	N70	-6.897302	0	3.154811	0	
71	N71	-6.897302	3.583333	3.154811	0	
72	N72	-6.897302	-2.416667	3.154811	0	
73	N73	-4.680796	0	-0.184291	0	
74	N74	-4.897302	0	-0.309291	0	
75	N75	-4.897302	4	-0.309291	0	
76	N76	-4.897302	-2.916667	-0.309291	0	
77	N77A	-2.639129	0	-3.720561	0	
78	N78A	-2.855636	0	-3.845561	0	
79	N79	-2.855636	3.583333	-3.845561	0	
80	N80	-2.855636	-2.416667	-3.845561	0	
81	N81	-1.597463	0	-5.524781	0	
82	N82	-1.813969	0	-5.649781	0	
83	N83	-1.813969	3.583333	-5.649781	0	
84	N84	-1.813969	-2.416667	-5.649781	0	
85	N85	-0.618296	0	-7.220747	0	
86	N86	-0.834802	0	-7.345747	0	
87	N87	-0.834802	3.583333	-7.345747	0	
88	N88	-0.834802	-2.416667	-7.345747	0	
89	N95	-0.	3	-8.291667	0	
90	N96	-6.499794	3	4.145833	0	
91	N97	-6.680796	3	3.279811	0	
92	N98	-6.897302	3	3.154811	0	
93	N99	-4.680796	3	-0.184291	0	
94	N100	-4.897302	3	-0.309291	0	
95	N101	-2.639129	3	-3.720561	0	
96	N102	-2.855636	3	-3.845561	0	
97	N103	-1.597463	3	-5.524781	0	
98	N104	-1.813969	3	-5.649781	0	
99	N105	-0.618296	3	-7.220747	0	
100	N106	-0.834802	3	-7.345747	0	
101	N108	6.499794	3	4.145833	0	
102	N109A	6.180798	3	4.145833	0	
103	N110B	6.180798	3	4.395833	0	
104	N111	2.180798	3	4.145833	0	
105	N112	2.180798	3	4.395833	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N113	-1.902536	3	4.145833	0	
107	N114	-1.902536	3	4.395833	0	
108	N115	-3.985869	3	4.145833	0	
109	N116	-3.985869	3	4.395833	0	
110	N117	-5.944202	3	4.145833	0	
111	N118	-5.944202	3	4.395833	0	
112	N121	0.499998	3	-7.425644	0	
113	N122	0.716505	3	-7.550644	0	
114	N123	2.499998	3	-3.961543	0	
115	N124	2.716505	3	-4.086543	0	
116	N125	4.541665	3	-0.425272	0	
117	N126	4.758171	3	-0.550272	0	
118	N127	5.583332	3	1.378947	0	
119	N128	5.799838	3	1.253947	0	
120	N129	6.562498	3	3.074914	0	
121	N130	6.779005	3	2.949914	0	
122	N128A	-7.180794	3	4.145833	0	
123	N129A	6.840294	3	3.55607	0	
124	N140	0.3405	3	-7.701904	0	
125	N161	7.180794	3	4.145833	0	
126	N162	-0.3405	3	-7.701904	0	
127	N173	-6.840294	3	3.55607	0	
128	N134	-4.999794	3	4.145833	0	
129	N135	4.999794	3	4.145833	0	
130	N136	-4.999794	3	3.895833	0	
131	N137	4.999794	3	3.895833	0	
132	N138	6.090294	3	2.257032	0	
133	N139	1.0905	3	-6.402865	0	
134	N140A	5.873788	3	2.382032	0	
135	N141	0.873994	3	-6.277865	0	
136	N142	-1.0905	3	-6.402865	0	
137	N143	-6.090294	3	2.257032	0	
138	N144	-0.873994	3	-6.277865	0	
139	N145	-5.873788	3	2.382032	0	
140	N140B	0.948659	-3	0.547708	0	
141	N141A	-0.	-3	-1.095417	0	
142	N142A	-0.948658	-3	0.547709	0	
143	N143A	-0.	0	-6.291667	0	
144	N145A	-5.448743	0	3.145833	0	
145	N147	5.448743	0	3.145833	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mount Pipe	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
2	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Bottom Corner Plate	L15X6.5X6	Beam	Single Angle	A36 Gr.36	Typical	7.922	24.473	192.705	.363
4	Standoff_2	HSS4.5X4.5X4	Beam	Tube	A500 Gr.B Rect	Typical	3.84	11.4	11.4	18.5
5	Cross Members	L3X3X4	Beam	Channel	A36 Gr.36	Typical	1.44	1.23	1.23	.031
6	Face Horizontal	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
7	Support Rail Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Standoff_1	HSS4X4X6	Beam	Tube	A500 Gr.B Rect	Typical	4.78	10.3	10.3	17.5
9	Grating Angle	LL3x3x4x0	Beam	Double Angle (N...	A36 Gr.36	Typical	2.88	4.5	2.46	.063
10	KICKER	LL3x3x3x6	Beam	Double Angle (N...	A36 Gr.36	Typical	2.18	4.97	1.9	.027
11	Top Corner Plate	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N15A			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
2	M2	N15A	N16A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
3	M5	N14	N10		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
4	M6	N16	N15		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
5	M7	N18	N17		180	Grating Angle	Beam	Double Angle (...	A36 Gr.36	Typical
6	M6A	N17	N15		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
7	FACE	N16	N18		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
8	LIVE2	N43	N45			RIGID	None	None	RIGID	Typical
9	MP1A	N53	N54		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
10	M23A	N10	N17		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
11	M24	N18	N14		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
12	M38	N77	N78			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
13	M39A	N15	N10		270	Cross Members	Beam	Channel	A36 Gr.36	Typical
14	M40	N14	N16		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
15	M54	N109	N110			Standoff_1	Beam	Tube	A500 Gr.B...	Typical
16	M55	N78	N108A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
17	M56	N110	N110A			Standoff_2	Beam	Tube	A500 Gr.B...	Typical
18	LIVE1	N34	N35			RIGID	None	None	RIGID	Typical
19	MP2A	N36	N37		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
20	M20	N39	N40			RIGID	None	None	RIGID	Typical
21	MP3A	N41	N42		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
22	M22	N44	N45A			RIGID	None	None	RIGID	Typical
23	MP4A	N46	N47		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
24	M24A	N49	N50			RIGID	None	None	RIGID	Typical
25	MP5A	N51	N52		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
26	M26	N49A	N50A			RIGID	None	None	RIGID	Typical
27	MP1C	N51A	N52A		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
28	M28	N53A	N54A			RIGID	None	None	RIGID	Typical
29	MP2C	N55	N56		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
30	M30	N57	N58			RIGID	None	None	RIGID	Typical
31	MP3C	N59	N60		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
32	M32	N61	N62			RIGID	None	None	RIGID	Typical
33	MP4C	N63	N64		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
34	M34	N65	N66			RIGID	None	None	RIGID	Typical
35	MP5C	N67A	N68		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
36	M36	N69	N70			RIGID	None	None	RIGID	Typical
37	MP1B	N71	N72		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
38	M38A	N73	N74			RIGID	None	None	RIGID	Typical
39	MP2B	N75	N76		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
40	M40A	N77A	N78A			RIGID	None	None	RIGID	Typical
41	MP3B	N79	N80		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
42	M42	N81	N82			RIGID	None	None	RIGID	Typical
43	MP4B	N83	N84		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
44	M44	N85	N86			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
45	MP5B	N87	N88		120	Mount Pipe	Beam	Pipe	A53 Gr.B	Typical
46	M51	N97	N98			RIGID	None	None	RIGID	Typical
47	M52	N99	N100			RIGID	None	None	RIGID	Typical
48	M53	N101	N102			RIGID	None	None	RIGID	Typical
49	M54A	N103	N104			RIGID	None	None	RIGID	Typical
50	M55A	N105	N106			RIGID	None	None	RIGID	Typical
51	M56A	N96	N108		270	Support Rail	Beam	Pipe	A53 Gr.B	Typical
52	M57	N109A	N110B			RIGID	None	None	RIGID	Typical
53	M58	N111	N112			RIGID	None	None	RIGID	Typical
54	M59	N113	N114			RIGID	None	None	RIGID	Typical
55	M60	N115	N116			RIGID	None	None	RIGID	Typical
56	M61	N117	N118			RIGID	None	None	RIGID	Typical
57	M63	N121	N122			RIGID	None	None	RIGID	Typical
58	M64	N123	N124			RIGID	None	None	RIGID	Typical
59	M65	N125	N126			RIGID	None	None	RIGID	Typical
60	M66	N127	N128			RIGID	None	None	RIGID	Typical
61	M67	N129	N130			RIGID	None	None	RIGID	Typical
62	M71	N129A	N140		270	Support Rail	Beam	Pipe	A53 Gr.B	Typical
63	M87	N162	N173		270	Support Rail	Beam	Pipe	A53 Gr.B	Typical
64	M68	N134	N136			RIGID	None	None	RIGID	Typical
65	M69	N135	N137			RIGID	None	None	RIGID	Typical
66	M70	N138	N140A			RIGID	None	None	RIGID	Typical
67	M71A	N139	N141			RIGID	None	None	RIGID	Typical
68	M72	N142	N144			RIGID	None	None	RIGID	Typical
69	M73	N143	N145			RIGID	None	None	RIGID	Typical
70	M74	N136	N145		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
71	M81	N140A	N137		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
72	M88	N144	N141		90	Support Rail A...	Beam	Single Angle	A36 Gr.36	Typical
73	M73A	N141A	N143A			KICKER	Beam	Double Angle (...	A36 Gr.36	Typical
74	M74A	N142A	N145A			KICKER	Beam	Double Angle (...	A36 Gr.36	Typical
75	M75	N140B	N147			KICKER	Beam	Double Angle (...	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M5						Yes				None
4	M6						Yes	Default			None
5	M7						Yes				None
6	M6A						Yes				None
7	FACE						Yes	Default			None
8	LIVE2						Yes	** NA **			None
9	MP1A						Yes	Default			None
10	M23A						Yes				None
11	M24						Yes				None
12	M38						Yes				None
13	M39A						Yes				None
14	M40						Yes				None
15	M54						Yes				None
16	M55						Yes				None
17	M56						Yes				None
18	LIVE1		OOOXOO				Yes	** NA **			None
19	MP2A						Yes	Default			None
20	M20		OOOXOO				Yes	** NA **			None
21	MP3A						Yes	Default			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
22	M22		OOOXOO				Yes	** NA **			None
23	MP4A						Yes	Default			None
24	M24A						Yes	** NA **			None
25	MP5A						Yes	Default			None
26	M26						Yes	** NA **			None
27	MP1C						Yes	Default			None
28	M28		OOOXOO				Yes	** NA **			None
29	MP2C						Yes	Default			None
30	M30		OOOXOO				Yes	** NA **			None
31	MP3C						Yes	Default			None
32	M32		OOOXOO				Yes	** NA **			None
33	MP4C						Yes	Default			None
34	M34						Yes	** NA **			None
35	MP5C						Yes	Default			None
36	M36						Yes	** NA **			None
37	MP1B						Yes	Default			None
38	M38A		OOOXOO				Yes	** NA **			None
39	MP2B						Yes	Default			None
40	M40A		OOOXOO				Yes	** NA **			None
41	MP3B						Yes	Default			None
42	M42		OOOXOO				Yes	** NA **			None
43	MP4B						Yes	Default			None
44	M44						Yes	** NA **			None
45	MP5B						Yes	Default			None
46	M51						Yes	** NA **			None
47	M52						Yes	** NA **			None
48	M53						Yes	** NA **			None
49	M54A						Yes	** NA **			None
50	M55A						Yes	** NA **			None
51	M56A						Yes				None
52	M57						Yes	** NA **			None
53	M58						Yes	** NA **			None
54	M59						Yes	** NA **			None
55	M60						Yes	** NA **			None
56	M61						Yes	** NA **			None
57	M63						Yes	** NA **			None
58	M64						Yes	** NA **			None
59	M65						Yes	** NA **			None
60	M66						Yes	** NA **			None
61	M67						Yes	** NA **			None
62	M71						Yes				None
63	M87						Yes				None
64	M68	OOOOOX					Yes	** NA **			None
65	M69	OOOOOX					Yes	** NA **			None
66	M70	OOOOOX					Yes	** NA **			None
67	M71A	OOOOOX					Yes	** NA **			None
68	M72	OOOOOX					Yes	** NA **			None
69	M73	OOOOOX					Yes	** NA **			None
70	M74						Yes				None
71	M81						Yes				None
72	M88						Yes				None
73	M73A	BenPIN	BenPIN				Yes				None
74	M74A	BenPIN	BenPIN				Yes				None
75	M75	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	Y	-17.6	5
2	MP2B	My	-.002	5
3	MP2B	Mz	.004	5
4	MP2C	Y	-17.6	5
5	MP2C	My	-.002	5
6	MP2C	Mz	-.004	5
7	MP2A	Y	-30	.5
8	MP2A	My	-.015	.5
9	MP2A	Mz	-.02	.5
10	MP2A	Y	-30	6
11	MP2A	My	-.015	6
12	MP2A	Mz	-.02	6
13	MP2B	Y	-30	.5
14	MP2B	My	.025	.5
15	MP2B	Mz	-.003	.5
16	MP2B	Y	-30	6
17	MP2B	My	.025	6
18	MP2B	Mz	-.003	6
19	MP2C	Y	-30	.5
20	MP2C	My	-.01	.5
21	MP2C	Mz	.023	.5
22	MP2C	Y	-30	6
23	MP2C	My	-.01	6
24	MP2C	Mz	.023	6
25	MP2A	Y	-30	.5
26	MP2A	My	-.015	.5
27	MP2A	Mz	.02	.5
28	MP2A	Y	-30	6
29	MP2A	My	-.015	6
30	MP2A	Mz	.02	6
31	MP2B	Y	-30	.5
32	MP2B	My	-.01	.5
33	MP2B	Mz	-.023	.5
34	MP2B	Y	-30	6
35	MP2B	My	-.01	6
36	MP2B	Mz	-.023	6
37	MP2C	Y	-30	.5
38	MP2C	My	.025	.5
39	MP2C	Mz	.003	.5
40	MP2C	Y	-30	6
41	MP2C	My	.025	6
42	MP2C	Mz	.003	6
43	MP3A	Y	-43.55	2.25
44	MP3A	My	-.022	2.25
45	MP3A	Mz	0	2.25
46	MP3A	Y	-43.55	4.25
47	MP3A	My	-.022	4.25
48	MP3A	Mz	0	4.25
49	MP3B	Y	-43.55	2.25
50	MP3B	My	.011	2.25
51	MP3B	Mz	-.019	2.25
52	MP3B	Y	-43.55	4.25
53	MP3B	My	.011	4.25
54	MP3B	Mz	-.019	4.25
55	MP3C	Y	-43.55	2.25
56	MP3C	My	.011	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3C	Mz	.019	2.25
58	MP3C	Y	-43.55	4.25
59	MP3C	My	.011	4.25
60	MP3C	Mz	.019	4.25
61	MP1A	Y	-74.7	2.5
62	MP1A	My	.037	2.5
63	MP1A	Mz	0	2.5
64	MP1B	Y	-74.7	2.5
65	MP1B	My	-.019	2.5
66	MP1B	Mz	.032	2.5
67	MP1C	Y	-74.7	2.5
68	MP1C	My	-.019	2.5
69	MP1C	Mz	-.032	2.5
70	MP2A	Y	-70.3	2.5
71	MP2A	My	.035	2.5
72	MP2A	Mz	0	2.5
73	MP2B	Y	-70.3	2.5
74	MP2B	My	-.018	2.5
75	MP2B	Mz	.03	2.5
76	MP2C	Y	-70.3	2.5
77	MP2C	My	-.018	2.5
78	MP2C	Mz	-.03	2.5
79	MP1A	Y	-6	2
80	MP1A	My	-.003	2
81	MP1A	Mz	0	2
82	MP1A	Y	-6	4.5
83	MP1A	My	-.003	4.5
84	MP1A	Mz	0	4.5
85	MP1B	Y	-6	2
86	MP1B	My	.002	2
87	MP1B	Mz	-.003	2
88	MP1B	Y	-6	4.5
89	MP1B	My	.002	4.5
90	MP1B	Mz	-.003	4.5
91	MP1C	Y	-6	2
92	MP1C	My	.002	2
93	MP1C	Mz	.003	2
94	MP1C	Y	-6	4.5
95	MP1C	My	.002	4.5
96	MP1C	Mz	.003	4.5
97	MP5A	Y	-6	2
98	MP5A	My	-.003	2
99	MP5A	Mz	0	2
100	MP5A	Y	-6	4.5
101	MP5A	My	-.003	4.5
102	MP5A	Mz	0	4.5
103	MP5B	Y	-6	2
104	MP5B	My	.002	2
105	MP5B	Mz	-.003	2
106	MP5B	Y	-6	4.5
107	MP5B	My	.002	4.5
108	MP5B	Mz	-.003	4.5
109	MP5C	Y	-6	2
110	MP5C	My	.002	2
111	MP5C	Mz	.003	2
112	MP5C	Y	-6	4.5
113	MP5C	My	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
114	MP5C	Mz	.003	4.5
115	MP4A	Y	-32	1.5
116	MP4A	My	.016	1.5
117	MP4A	Mz	0	1.5
118	MP4B	Y	-32	1.5
119	MP4B	My	-.008	1.5
120	MP4B	Mz	.014	1.5
121	MP1C	Y	-10	.25
122	MP1C	My	-.003	.25
123	MP1C	Mz	-.004	.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	Y	-17.126	5
2	MP2B	My	-.002	5
3	MP2B	Mz	.004	5
4	MP2C	Y	-17.126	5
5	MP2C	My	-.002	5
6	MP2C	Mz	-.004	5
7	MP2A	Y	-81.573	.5
8	MP2A	My	-.041	.5
9	MP2A	Mz	-.054	.5
10	MP2A	Y	-81.573	6
11	MP2A	My	-.041	6
12	MP2A	Mz	-.054	6
13	MP2B	Y	-81.573	.5
14	MP2B	My	.067	.5
15	MP2B	Mz	-.008	.5
16	MP2B	Y	-81.573	6
17	MP2B	My	.067	6
18	MP2B	Mz	-.008	6
19	MP2C	Y	-81.573	.5
20	MP2C	My	-.027	.5
21	MP2C	Mz	.063	.5
22	MP2C	Y	-81.573	6
23	MP2C	My	-.027	6
24	MP2C	Mz	.063	6
25	MP2A	Y	-81.573	.5
26	MP2A	My	-.041	.5
27	MP2A	Mz	.054	.5
28	MP2A	Y	-81.573	6
29	MP2A	My	-.041	6
30	MP2A	Mz	.054	6
31	MP2B	Y	-81.573	.5
32	MP2B	My	-.027	.5
33	MP2B	Mz	-.063	.5
34	MP2B	Y	-81.573	6
35	MP2B	My	-.027	6
36	MP2B	Mz	-.063	6
37	MP2C	Y	-81.573	.5
38	MP2C	My	.067	.5
39	MP2C	Mz	.008	.5
40	MP2C	Y	-81.573	6
41	MP2C	My	.067	6
42	MP2C	Mz	.008	6
43	MP3A	Y	-35.201	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3A	My	-.018	2.25
45	MP3A	Mz	0	2.25
46	MP3A	Y	-35.201	4.25
47	MP3A	My	-.018	4.25
48	MP3A	Mz	0	4.25
49	MP3B	Y	-35.201	2.25
50	MP3B	My	.009	2.25
51	MP3B	Mz	-.015	2.25
52	MP3B	Y	-35.201	4.25
53	MP3B	My	.009	4.25
54	MP3B	Mz	-.015	4.25
55	MP3C	Y	-35.201	2.25
56	MP3C	My	.009	2.25
57	MP3C	Mz	.015	2.25
58	MP3C	Y	-35.201	4.25
59	MP3C	My	.009	4.25
60	MP3C	Mz	.015	4.25
61	MP1A	Y	-44.373	2.5
62	MP1A	My	.022	2.5
63	MP1A	Mz	0	2.5
64	MP1B	Y	-44.373	2.5
65	MP1B	My	-.011	2.5
66	MP1B	Mz	.019	2.5
67	MP1C	Y	-44.373	2.5
68	MP1C	My	-.011	2.5
69	MP1C	Mz	-.019	2.5
70	MP2A	Y	-42.255	2.5
71	MP2A	My	.021	2.5
72	MP2A	Mz	0	2.5
73	MP2B	Y	-42.255	2.5
74	MP2B	My	-.011	2.5
75	MP2B	Mz	.018	2.5
76	MP2C	Y	-42.255	2.5
77	MP2C	My	-.011	2.5
78	MP2C	Mz	-.018	2.5
79	MP1A	Y	-39.829	2
80	MP1A	My	-.02	2
81	MP1A	Mz	0	2
82	MP1A	Y	-39.829	4.5
83	MP1A	My	-.02	4.5
84	MP1A	Mz	0	4.5
85	MP1B	Y	-39.829	2
86	MP1B	My	.01	2
87	MP1B	Mz	-.017	2
88	MP1B	Y	-39.829	4.5
89	MP1B	My	.01	4.5
90	MP1B	Mz	-.017	4.5
91	MP1C	Y	-39.829	2
92	MP1C	My	.01	2
93	MP1C	Mz	.017	2
94	MP1C	Y	-39.829	4.5
95	MP1C	My	.01	4.5
96	MP1C	Mz	.017	4.5
97	MP5A	Y	-39.829	2
98	MP5A	My	-.02	2
99	MP5A	Mz	0	2
100	MP5A	Y	-39.829	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP5A	My	-.02	4.5
102	MP5A	Mz	0	4.5
103	MP5B	Y	-39.829	2
104	MP5B	My	.01	2
105	MP5B	Mz	-.017	2
106	MP5B	Y	-39.829	4.5
107	MP5B	My	.01	4.5
108	MP5B	Mz	-.017	4.5
109	MP5C	Y	-39.829	2
110	MP5C	My	.01	2
111	MP5C	Mz	.017	2
112	MP5C	Y	-39.829	4.5
113	MP5C	My	.01	4.5
114	MP5C	Mz	.017	4.5
115	MP4A	Y	-86.912	1.5
116	MP4A	My	.043	1.5
117	MP4A	Mz	0	1.5
118	MP4B	Y	-86.912	1.5
119	MP4B	My	-.022	1.5
120	MP4B	Mz	.038	1.5
121	MP1C	Y	-11.186	.25
122	MP1C	My	-.003	.25
123	MP1C	Mz	-.005	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	5
2	MP2B	Z	-16.31	5
3	MP2B	Mx	-.004	5
4	MP2C	X	0	5
5	MP2C	Z	-16.31	5
6	MP2C	Mx	.004	5
7	MP2A	X	0	.5
8	MP2A	Z	-84.25	.5
9	MP2A	Mx	.056	.5
10	MP2A	X	0	6
11	MP2A	Z	-84.25	6
12	MP2A	Mx	.056	6
13	MP2B	X	0	.5
14	MP2B	Z	-68.353	.5
15	MP2B	Mx	.007	.5
16	MP2B	X	0	6
17	MP2B	Z	-68.353	6
18	MP2B	Mx	.007	6
19	MP2C	X	0	.5
20	MP2C	Z	-68.353	.5
21	MP2C	Mx	-.052	.5
22	MP2C	X	0	6
23	MP2C	Z	-68.353	6
24	MP2C	Mx	-.052	6
25	MP2A	X	0	.5
26	MP2A	Z	-84.25	.5
27	MP2A	Mx	-.056	.5
28	MP2A	X	0	6
29	MP2A	Z	-84.25	6
30	MP2A	Mx	-.056	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2B	X	0	.5
32	MP2B	Z	-68.353	.5
33	MP2B	Mx	.052	.5
34	MP2B	X	0	6
35	MP2B	Z	-68.353	6
36	MP2B	Mx	.052	6
37	MP2C	X	0	.5
38	MP2C	Z	-68.353	.5
39	MP2C	Mx	-.007	.5
40	MP2C	X	0	6
41	MP2C	Z	-68.353	6
42	MP2C	Mx	-.007	6
43	MP3A	X	0	2.25
44	MP3A	Z	-69.742	2.25
45	MP3A	Mx	0	2.25
46	MP3A	X	0	4.25
47	MP3A	Z	-69.742	4.25
48	MP3A	Mx	0	4.25
49	MP3B	X	0	2.25
50	MP3B	Z	-35.449	2.25
51	MP3B	Mx	.015	2.25
52	MP3B	X	0	4.25
53	MP3B	Z	-35.449	4.25
54	MP3B	Mx	.015	4.25
55	MP3C	X	0	2.25
56	MP3C	Z	-35.449	2.25
57	MP3C	Mx	-.015	2.25
58	MP3C	X	0	4.25
59	MP3C	Z	-35.449	4.25
60	MP3C	Mx	-.015	4.25
61	MP1A	X	0	2.5
62	MP1A	Z	-55.153	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	-41.543	2.5
66	MP1B	Mx	-.018	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	-41.543	2.5
69	MP1C	Mx	.018	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	-55.153	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	-38.874	2.5
75	MP2B	Mx	-.017	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	-38.874	2.5
78	MP2C	Mx	.017	2.5
79	MP1A	X	0	2
80	MP1A	Z	-46.436	2
81	MP1A	Mx	0	2
82	MP1A	X	0	4.5
83	MP1A	Z	-46.436	4.5
84	MP1A	Mx	0	4.5
85	MP1B	X	0	2
86	MP1B	Z	-83.649	2
87	MP1B	Mx	.036	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1B	X	0	4.5
89	MP1B	Z	-83.649	4.5
90	MP1B	Mx	.036	4.5
91	MP1C	X	0	2
92	MP1C	Z	-83.649	2
93	MP1C	Mx	-.036	2
94	MP1C	X	0	4.5
95	MP1C	Z	-83.649	4.5
96	MP1C	Mx	-.036	4.5
97	MP5A	X	0	2
98	MP5A	Z	-46.436	2
99	MP5A	Mx	0	2
100	MP5A	X	0	4.5
101	MP5A	Z	-46.436	4.5
102	MP5A	Mx	0	4.5
103	MP5B	X	0	2
104	MP5B	Z	-83.649	2
105	MP5B	Mx	.036	2
106	MP5B	X	0	4.5
107	MP5B	Z	-83.649	4.5
108	MP5B	Mx	.036	4.5
109	MP5C	X	0	2
110	MP5C	Z	-83.649	2
111	MP5C	Mx	-.036	2
112	MP5C	X	0	4.5
113	MP5C	Z	-83.649	4.5
114	MP5C	Mx	-.036	4.5
115	MP4A	X	0	1.5
116	MP4A	Z	-112.798	1.5
117	MP4A	Mx	0	1.5
118	MP4B	X	0	1.5
119	MP4B	Z	-92.516	1.5
120	MP4B	Mx	-.04	1.5
121	MP1C	X	0	.25
122	MP1C	Z	-33.359	.25
123	MP1C	Mx	.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	5.18	5
2	MP2B	Z	-8.973	5
3	MP2B	Mx	-.003	5
4	MP2C	X	14.105	5
5	MP2C	Z	-24.43	5
6	MP2C	Mx	.004	5
7	MP2A	X	39.475	.5
8	MP2A	Z	-68.374	.5
9	MP2A	Mx	.026	.5
10	MP2A	X	39.475	6
11	MP2A	Z	-68.374	6
12	MP2A	Mx	.026	6
13	MP2B	X	31.527	.5
14	MP2B	Z	-54.606	.5
15	MP2B	Mx	.032	.5
16	MP2B	X	31.527	6
17	MP2B	Z	-54.606	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2B	Mx	.032	6
19	MP2C	X	39.475	.5
20	MP2C	Z	-68.374	.5
21	MP2C	Mx	-.065	.5
22	MP2C	X	39.475	6
23	MP2C	Z	-68.374	6
24	MP2C	Mx	-.065	6
25	MP2A	X	39.475	.5
26	MP2A	Z	-68.374	.5
27	MP2A	Mx	-.065	.5
28	MP2A	X	39.475	6
29	MP2A	Z	-68.374	6
30	MP2A	Mx	-.065	6
31	MP2B	X	31.527	.5
32	MP2B	Z	-54.606	.5
33	MP2B	Mx	.032	.5
34	MP2B	X	31.527	6
35	MP2B	Z	-54.606	6
36	MP2B	Mx	.032	6
37	MP2C	X	39.475	.5
38	MP2C	Z	-68.374	.5
39	MP2C	Mx	.026	.5
40	MP2C	X	39.475	6
41	MP2C	Z	-68.374	6
42	MP2C	Mx	.026	6
43	MP3A	X	29.156	2.25
44	MP3A	Z	-50.499	2.25
45	MP3A	Mx	-.015	2.25
46	MP3A	X	29.156	4.25
47	MP3A	Z	-50.499	4.25
48	MP3A	Mx	-.015	4.25
49	MP3B	X	12.009	2.25
50	MP3B	Z	-20.801	2.25
51	MP3B	Mx	.012	2.25
52	MP3B	X	12.009	4.25
53	MP3B	Z	-20.801	4.25
54	MP3B	Mx	.012	4.25
55	MP3C	X	29.156	2.25
56	MP3C	Z	-50.499	2.25
57	MP3C	Mx	-.015	2.25
58	MP3C	X	29.156	4.25
59	MP3C	Z	-50.499	4.25
60	MP3C	Mx	-.015	4.25
61	MP1A	X	25.308	2.5
62	MP1A	Z	-43.835	2.5
63	MP1A	Mx	.013	2.5
64	MP1B	X	18.503	2.5
65	MP1B	Z	-32.048	2.5
66	MP1B	Mx	-.019	2.5
67	MP1C	X	25.308	2.5
68	MP1C	Z	-43.835	2.5
69	MP1C	Mx	.013	2.5
70	MP2A	X	24.864	2.5
71	MP2A	Z	-43.065	2.5
72	MP2A	Mx	.012	2.5
73	MP2B	X	16.724	2.5
74	MP2B	Z	-28.967	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2B	Mx	-.017	2.5
76	MP2C	X	24.864	2.5
77	MP2C	Z	-43.065	2.5
78	MP2C	Mx	.012	2.5
79	MP1A	X	29.42	2
80	MP1A	Z	-50.957	2
81	MP1A	Mx	-.015	2
82	MP1A	X	29.42	4.5
83	MP1A	Z	-50.957	4.5
84	MP1A	Mx	-.015	4.5
85	MP1B	X	48.027	2
86	MP1B	Z	-83.185	2
87	MP1B	Mx	.048	2
88	MP1B	X	48.027	4.5
89	MP1B	Z	-83.185	4.5
90	MP1B	Mx	.048	4.5
91	MP1C	X	29.42	2
92	MP1C	Z	-50.957	2
93	MP1C	Mx	-.015	2
94	MP1C	X	29.42	4.5
95	MP1C	Z	-50.957	4.5
96	MP1C	Mx	-.015	4.5
97	MP5A	X	29.42	2
98	MP5A	Z	-50.957	2
99	MP5A	Mx	-.015	2
100	MP5A	X	29.42	4.5
101	MP5A	Z	-50.957	4.5
102	MP5A	Mx	-.015	4.5
103	MP5B	X	48.027	2
104	MP5B	Z	-83.185	2
105	MP5B	Mx	.048	2
106	MP5B	X	48.027	4.5
107	MP5B	Z	-83.185	4.5
108	MP5B	Mx	.048	4.5
109	MP5C	X	29.42	2
110	MP5C	Z	-50.957	2
111	MP5C	Mx	-.015	2
112	MP5C	X	29.42	4.5
113	MP5C	Z	-50.957	4.5
114	MP5C	Mx	-.015	4.5
115	MP4A	X	53.019	1.5
116	MP4A	Z	-91.831	1.5
117	MP4A	Mx	.027	1.5
118	MP4B	X	42.877	1.5
119	MP4B	Z	-74.266	1.5
120	MP4B	Mx	-.043	1.5
121	MP1C	X	17.421	.25
122	MP1C	Z	-30.174	.25
123	MP1C	Mx	.009	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	14.125	5
2	MP2B	Z	-8.155	5
3	MP2B	Mx	-.004	5
4	MP2C	X	29.583	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2C	Z	-17.08	5
6	MP2C	Mx	0	5
7	MP2A	X	59.195	.5
8	MP2A	Z	-34.176	.5
9	MP2A	Mx	-.007	.5
10	MP2A	X	59.195	6
11	MP2A	Z	-34.176	6
12	MP2A	Mx	-.007	6
13	MP2B	X	59.195	.5
14	MP2B	Z	-34.176	.5
15	MP2B	Mx	.052	.5
16	MP2B	X	59.195	6
17	MP2B	Z	-34.176	6
18	MP2B	Mx	.052	6
19	MP2C	X	72.963	.5
20	MP2C	Z	-42.125	.5
21	MP2C	Mx	-.056	.5
22	MP2C	X	72.963	6
23	MP2C	Z	-42.125	6
24	MP2C	Mx	-.056	6
25	MP2A	X	59.195	.5
26	MP2A	Z	-34.176	.5
27	MP2A	Mx	-.052	.5
28	MP2A	X	59.195	6
29	MP2A	Z	-34.176	6
30	MP2A	Mx	-.052	6
31	MP2B	X	59.195	.5
32	MP2B	Z	-34.176	.5
33	MP2B	Mx	.007	.5
34	MP2B	X	59.195	6
35	MP2B	Z	-34.176	6
36	MP2B	Mx	.007	6
37	MP2C	X	72.963	.5
38	MP2C	Z	-42.125	.5
39	MP2C	Mx	.056	.5
40	MP2C	X	72.963	6
41	MP2C	Z	-42.125	6
42	MP2C	Mx	.056	6
43	MP3A	X	30.7	2.25
44	MP3A	Z	-17.725	2.25
45	MP3A	Mx	-.015	2.25
46	MP3A	X	30.7	4.25
47	MP3A	Z	-17.725	4.25
48	MP3A	Mx	-.015	4.25
49	MP3B	X	30.7	2.25
50	MP3B	Z	-17.725	2.25
51	MP3B	Mx	.015	2.25
52	MP3B	X	30.7	4.25
53	MP3B	Z	-17.725	4.25
54	MP3B	Mx	.015	4.25
55	MP3C	X	60.399	2.25
56	MP3C	Z	-34.871	2.25
57	MP3C	Mx	0	2.25
58	MP3C	X	60.399	4.25
59	MP3C	Z	-34.871	4.25
60	MP3C	Mx	0	4.25
61	MP1A	X	35.977	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP1A	Z	-20.772	2.5
63	MP1A	Mx	.018	2.5
64	MP1B	X	35.977	2.5
65	MP1B	Z	-20.772	2.5
66	MP1B	Mx	-.018	2.5
67	MP1C	X	47.764	2.5
68	MP1C	Z	-27.577	2.5
69	MP1C	Mx	0	2.5
70	MP2A	X	33.666	2.5
71	MP2A	Z	-19.437	2.5
72	MP2A	Mx	.017	2.5
73	MP2B	X	33.666	2.5
74	MP2B	Z	-19.437	2.5
75	MP2B	Mx	-.017	2.5
76	MP2C	X	47.764	2.5
77	MP2C	Z	-27.577	2.5
78	MP2C	Mx	0	2.5
79	MP1A	X	72.442	2
80	MP1A	Z	-41.825	2
81	MP1A	Mx	-.036	2
82	MP1A	X	72.442	4.5
83	MP1A	Z	-41.825	4.5
84	MP1A	Mx	-.036	4.5
85	MP1B	X	72.442	2
86	MP1B	Z	-41.825	2
87	MP1B	Mx	.036	2
88	MP1B	X	72.442	4.5
89	MP1B	Z	-41.825	4.5
90	MP1B	Mx	.036	4.5
91	MP1C	X	40.214	2
92	MP1C	Z	-23.218	2
93	MP1C	Mx	0	2
94	MP1C	X	40.214	4.5
95	MP1C	Z	-23.218	4.5
96	MP1C	Mx	0	4.5
97	MP5A	X	72.442	2
98	MP5A	Z	-41.825	2
99	MP5A	Mx	-.036	2
100	MP5A	X	72.442	4.5
101	MP5A	Z	-41.825	4.5
102	MP5A	Mx	-.036	4.5
103	MP5B	X	72.442	2
104	MP5B	Z	-41.825	2
105	MP5B	Mx	.036	2
106	MP5B	X	72.442	4.5
107	MP5B	Z	-41.825	4.5
108	MP5B	Mx	.036	4.5
109	MP5C	X	40.214	2
110	MP5C	Z	-23.218	2
111	MP5C	Mx	0	2
112	MP5C	X	40.214	4.5
113	MP5C	Z	-23.218	4.5
114	MP5C	Mx	0	4.5
115	MP4A	X	80.121	1.5
116	MP4A	Z	-46.258	1.5
117	MP4A	Mx	.04	1.5
118	MP4B	X	80.121	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
119	MP4B	Z	-46.258	1.5
120	MP4B	Mx	-.04	1.5
121	MP1C	X	30.816	.25
122	MP1C	Z	-17.791	.25
123	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	28.21	5
2	MP2B	Z	0	5
3	MP2B	Mx	-.004	5
4	MP2C	X	28.21	5
5	MP2C	Z	0	5
6	MP2C	Mx	-.004	5
7	MP2A	X	63.054	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.032	.5
10	MP2A	X	63.054	6
11	MP2A	Z	0	6
12	MP2A	Mx	-.032	6
13	MP2B	X	78.951	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	.065	.5
16	MP2B	X	78.951	6
17	MP2B	Z	0	6
18	MP2B	Mx	.065	6
19	MP2C	X	78.951	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	-.026	.5
22	MP2C	X	78.951	6
23	MP2C	Z	0	6
24	MP2C	Mx	-.026	6
25	MP2A	X	63.054	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	-.032	.5
28	MP2A	X	63.054	6
29	MP2A	Z	0	6
30	MP2A	Mx	-.032	6
31	MP2B	X	78.951	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	-.026	.5
34	MP2B	X	78.951	6
35	MP2B	Z	0	6
36	MP2B	Mx	-.026	6
37	MP2C	X	78.951	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	.065	.5
40	MP2C	X	78.951	6
41	MP2C	Z	0	6
42	MP2C	Mx	.065	6
43	MP3A	X	24.018	2.25
44	MP3A	Z	0	2.25
45	MP3A	Mx	-.012	2.25
46	MP3A	X	24.018	4.25
47	MP3A	Z	0	4.25
48	MP3A	Mx	-.012	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP3B	X	58.311	2.25
50	MP3B	Z	0	2.25
51	MP3B	Mx	.015	2.25
52	MP3B	X	58.311	4.25
53	MP3B	Z	0	4.25
54	MP3B	Mx	.015	4.25
55	MP3C	X	58.311	2.25
56	MP3C	Z	0	2.25
57	MP3C	Mx	.015	2.25
58	MP3C	X	58.311	4.25
59	MP3C	Z	0	4.25
60	MP3C	Mx	.015	4.25
61	MP1A	X	37.006	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	.019	2.5
64	MP1B	X	50.617	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	-.013	2.5
67	MP1C	X	50.617	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.013	2.5
70	MP2A	X	33.448	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	.017	2.5
73	MP2B	X	49.727	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	-.012	2.5
76	MP2C	X	49.727	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	-.012	2.5
79	MP1A	X	96.054	2
80	MP1A	Z	0	2
81	MP1A	Mx	-.048	2
82	MP1A	X	96.054	4.5
83	MP1A	Z	0	4.5
84	MP1A	Mx	-.048	4.5
85	MP1B	X	58.84	2
86	MP1B	Z	0	2
87	MP1B	Mx	.015	2
88	MP1B	X	58.84	4.5
89	MP1B	Z	0	4.5
90	MP1B	Mx	.015	4.5
91	MP1C	X	58.84	2
92	MP1C	Z	0	2
93	MP1C	Mx	.015	2
94	MP1C	X	58.84	4.5
95	MP1C	Z	0	4.5
96	MP1C	Mx	.015	4.5
97	MP5A	X	96.054	2
98	MP5A	Z	0	2
99	MP5A	Mx	-.048	2
100	MP5A	X	96.054	4.5
101	MP5A	Z	0	4.5
102	MP5A	Mx	-.048	4.5
103	MP5B	X	58.84	2
104	MP5B	Z	0	2
105	MP5B	Mx	.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP5B	X	58.84	4.5
107	MP5B	Z	0	4.5
108	MP5B	Mx	.015	4.5
109	MP5C	X	58.84	2
110	MP5C	Z	0	2
111	MP5C	Mx	.015	2
112	MP5C	X	58.84	4.5
113	MP5C	Z	0	4.5
114	MP5C	Mx	.015	4.5
115	MP4A	X	85.755	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	.043	1.5
118	MP4B	X	106.037	1.5
119	MP4B	Z	0	1.5
120	MP4B	Mx	-.027	1.5
121	MP1C	X	34.842	.25
122	MP1C	Z	0	.25
123	MP1C	Mx	-.009	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	29.583	5
2	MP2B	Z	17.08	5
3	MP2B	Mx	0	5
4	MP2C	X	14.125	5
5	MP2C	Z	8.155	5
6	MP2C	Mx	-.004	5
7	MP2A	X	59.195	.5
8	MP2A	Z	34.176	.5
9	MP2A	Mx	-.052	.5
10	MP2A	X	59.195	6
11	MP2A	Z	34.176	6
12	MP2A	Mx	-.052	6
13	MP2B	X	72.963	.5
14	MP2B	Z	42.125	.5
15	MP2B	Mx	.056	.5
16	MP2B	X	72.963	6
17	MP2B	Z	42.125	6
18	MP2B	Mx	.056	6
19	MP2C	X	59.195	.5
20	MP2C	Z	34.176	.5
21	MP2C	Mx	.007	.5
22	MP2C	X	59.195	6
23	MP2C	Z	34.176	6
24	MP2C	Mx	.007	6
25	MP2A	X	59.195	.5
26	MP2A	Z	34.176	.5
27	MP2A	Mx	-.007	.5
28	MP2A	X	59.195	6
29	MP2A	Z	34.176	6
30	MP2A	Mx	-.007	6
31	MP2B	X	72.963	.5
32	MP2B	Z	42.125	.5
33	MP2B	Mx	-.056	.5
34	MP2B	X	72.963	6
35	MP2B	Z	42.125	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2B	Mx	-.056	6
37	MP2C	X	59.195	.5
38	MP2C	Z	34.176	.5
39	MP2C	Mx	.052	.5
40	MP2C	X	59.195	6
41	MP2C	Z	34.176	6
42	MP2C	Mx	.052	6
43	MP3A	X	30.7	2.25
44	MP3A	Z	17.725	2.25
45	MP3A	Mx	-.015	2.25
46	MP3A	X	30.7	4.25
47	MP3A	Z	17.725	4.25
48	MP3A	Mx	-.015	4.25
49	MP3B	X	60.399	2.25
50	MP3B	Z	34.871	2.25
51	MP3B	Mx	0	2.25
52	MP3B	X	60.399	4.25
53	MP3B	Z	34.871	4.25
54	MP3B	Mx	0	4.25
55	MP3C	X	30.7	2.25
56	MP3C	Z	17.725	2.25
57	MP3C	Mx	.015	2.25
58	MP3C	X	30.7	4.25
59	MP3C	Z	17.725	4.25
60	MP3C	Mx	.015	4.25
61	MP1A	X	35.977	2.5
62	MP1A	Z	20.772	2.5
63	MP1A	Mx	.018	2.5
64	MP1B	X	47.764	2.5
65	MP1B	Z	27.577	2.5
66	MP1B	Mx	0	2.5
67	MP1C	X	35.977	2.5
68	MP1C	Z	20.772	2.5
69	MP1C	Mx	-.018	2.5
70	MP2A	X	33.666	2.5
71	MP2A	Z	19.437	2.5
72	MP2A	Mx	.017	2.5
73	MP2B	X	47.764	2.5
74	MP2B	Z	27.577	2.5
75	MP2B	Mx	0	2.5
76	MP2C	X	33.666	2.5
77	MP2C	Z	19.437	2.5
78	MP2C	Mx	-.017	2.5
79	MP1A	X	72.442	2
80	MP1A	Z	41.825	2
81	MP1A	Mx	-.036	2
82	MP1A	X	72.442	4.5
83	MP1A	Z	41.825	4.5
84	MP1A	Mx	-.036	4.5
85	MP1B	X	40.214	2
86	MP1B	Z	23.218	2
87	MP1B	Mx	0	2
88	MP1B	X	40.214	4.5
89	MP1B	Z	23.218	4.5
90	MP1B	Mx	0	4.5
91	MP1C	X	72.442	2
92	MP1C	Z	41.825	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	MP1C	Mx	.036	2
94	MP1C	X	72.442	4.5
95	MP1C	Z	41.825	4.5
96	MP1C	Mx	.036	4.5
97	MP5A	X	72.442	2
98	MP5A	Z	41.825	2
99	MP5A	Mx	-.036	2
100	MP5A	X	72.442	4.5
101	MP5A	Z	41.825	4.5
102	MP5A	Mx	-.036	4.5
103	MP5B	X	40.214	2
104	MP5B	Z	23.218	2
105	MP5B	Mx	0	2
106	MP5B	X	40.214	4.5
107	MP5B	Z	23.218	4.5
108	MP5B	Mx	0	4.5
109	MP5C	X	72.442	2
110	MP5C	Z	41.825	2
111	MP5C	Mx	.036	2
112	MP5C	X	72.442	4.5
113	MP5C	Z	41.825	4.5
114	MP5C	Mx	.036	4.5
115	MP4A	X	80.121	1.5
116	MP4A	Z	46.258	1.5
117	MP4A	Mx	.04	1.5
118	MP4B	X	97.686	1.5
119	MP4B	Z	56.399	1.5
120	MP4B	Mx	0	1.5
121	MP1C	X	28.89	.25
122	MP1C	Z	16.679	.25
123	MP1C	Mx	-.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	14.105	5
2	MP2B	Z	24.43	5
3	MP2B	Mx	.004	5
4	MP2C	X	5.18	5
5	MP2C	Z	8.973	5
6	MP2C	Mx	-.003	5
7	MP2A	X	39.475	.5
8	MP2A	Z	68.374	.5
9	MP2A	Mx	-.065	.5
10	MP2A	X	39.475	6
11	MP2A	Z	68.374	6
12	MP2A	Mx	-.065	6
13	MP2B	X	39.475	.5
14	MP2B	Z	68.374	.5
15	MP2B	Mx	.026	.5
16	MP2B	X	39.475	6
17	MP2B	Z	68.374	6
18	MP2B	Mx	.026	6
19	MP2C	X	31.527	.5
20	MP2C	Z	54.606	.5
21	MP2C	Mx	.032	.5
22	MP2C	X	31.527	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2C	Z	54.606	6
24	MP2C	Mx	.032	6
25	MP2A	X	39.475	.5
26	MP2A	Z	68.374	.5
27	MP2A	Mx	.026	.5
28	MP2A	X	39.475	6
29	MP2A	Z	68.374	6
30	MP2A	Mx	.026	6
31	MP2B	X	39.475	.5
32	MP2B	Z	68.374	.5
33	MP2B	Mx	-.065	.5
34	MP2B	X	39.475	6
35	MP2B	Z	68.374	6
36	MP2B	Mx	-.065	6
37	MP2C	X	31.527	.5
38	MP2C	Z	54.606	.5
39	MP2C	Mx	.032	.5
40	MP2C	X	31.527	6
41	MP2C	Z	54.606	6
42	MP2C	Mx	.032	6
43	MP3A	X	29.156	2.25
44	MP3A	Z	50.499	2.25
45	MP3A	Mx	-.015	2.25
46	MP3A	X	29.156	4.25
47	MP3A	Z	50.499	4.25
48	MP3A	Mx	-.015	4.25
49	MP3B	X	29.156	2.25
50	MP3B	Z	50.499	2.25
51	MP3B	Mx	-.015	2.25
52	MP3B	X	29.156	4.25
53	MP3B	Z	50.499	4.25
54	MP3B	Mx	-.015	4.25
55	MP3C	X	12.009	2.25
56	MP3C	Z	20.801	2.25
57	MP3C	Mx	.012	2.25
58	MP3C	X	12.009	4.25
59	MP3C	Z	20.801	4.25
60	MP3C	Mx	.012	4.25
61	MP1A	X	25.308	2.5
62	MP1A	Z	43.835	2.5
63	MP1A	Mx	.013	2.5
64	MP1B	X	25.308	2.5
65	MP1B	Z	43.835	2.5
66	MP1B	Mx	.013	2.5
67	MP1C	X	18.503	2.5
68	MP1C	Z	32.048	2.5
69	MP1C	Mx	-.019	2.5
70	MP2A	X	24.864	2.5
71	MP2A	Z	43.065	2.5
72	MP2A	Mx	.012	2.5
73	MP2B	X	24.864	2.5
74	MP2B	Z	43.065	2.5
75	MP2B	Mx	.012	2.5
76	MP2C	X	16.724	2.5
77	MP2C	Z	28.967	2.5
78	MP2C	Mx	-.017	2.5
79	MP1A	X	29.42	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	50.957	2
81	MP1A	Mx	-.015	2
82	MP1A	X	29.42	4.5
83	MP1A	Z	50.957	4.5
84	MP1A	Mx	-.015	4.5
85	MP1B	X	29.42	2
86	MP1B	Z	50.957	2
87	MP1B	Mx	-.015	2
88	MP1B	X	29.42	4.5
89	MP1B	Z	50.957	4.5
90	MP1B	Mx	-.015	4.5
91	MP1C	X	48.027	2
92	MP1C	Z	83.185	2
93	MP1C	Mx	.048	2
94	MP1C	X	48.027	4.5
95	MP1C	Z	83.185	4.5
96	MP1C	Mx	.048	4.5
97	MP5A	X	29.42	2
98	MP5A	Z	50.957	2
99	MP5A	Mx	-.015	2
100	MP5A	X	29.42	4.5
101	MP5A	Z	50.957	4.5
102	MP5A	Mx	-.015	4.5
103	MP5B	X	29.42	2
104	MP5B	Z	50.957	2
105	MP5B	Mx	-.015	2
106	MP5B	X	29.42	4.5
107	MP5B	Z	50.957	4.5
108	MP5B	Mx	-.015	4.5
109	MP5C	X	48.027	2
110	MP5C	Z	83.185	2
111	MP5C	Mx	.048	2
112	MP5C	X	48.027	4.5
113	MP5C	Z	83.185	4.5
114	MP5C	Mx	.048	4.5
115	MP4A	X	53.019	1.5
116	MP4A	Z	91.831	1.5
117	MP4A	Mx	.027	1.5
118	MP4B	X	53.019	1.5
119	MP4B	Z	91.831	1.5
120	MP4B	Mx	.027	1.5
121	MP1C	X	16.309	.25
122	MP1C	Z	28.248	.25
123	MP1C	Mx	-.016	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	5
2	MP2B	Z	16.31	5
3	MP2B	Mx	.004	5
4	MP2C	X	0	5
5	MP2C	Z	16.31	5
6	MP2C	Mx	-.004	5
7	MP2A	X	0	.5
8	MP2A	Z	84.25	.5
9	MP2A	Mx	-.056	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2A	X	0	6
11	MP2A	Z	84.25	6
12	MP2A	Mx	-.056	6
13	MP2B	X	0	.5
14	MP2B	Z	68.353	.5
15	MP2B	Mx	-.007	.5
16	MP2B	X	0	6
17	MP2B	Z	68.353	6
18	MP2B	Mx	-.007	6
19	MP2C	X	0	.5
20	MP2C	Z	68.353	.5
21	MP2C	Mx	.052	.5
22	MP2C	X	0	6
23	MP2C	Z	68.353	6
24	MP2C	Mx	.052	6
25	MP2A	X	0	.5
26	MP2A	Z	84.25	.5
27	MP2A	Mx	.056	.5
28	MP2A	X	0	6
29	MP2A	Z	84.25	6
30	MP2A	Mx	.056	6
31	MP2B	X	0	.5
32	MP2B	Z	68.353	.5
33	MP2B	Mx	-.052	.5
34	MP2B	X	0	6
35	MP2B	Z	68.353	6
36	MP2B	Mx	-.052	6
37	MP2C	X	0	.5
38	MP2C	Z	68.353	.5
39	MP2C	Mx	.007	.5
40	MP2C	X	0	6
41	MP2C	Z	68.353	6
42	MP2C	Mx	.007	6
43	MP3A	X	0	2.25
44	MP3A	Z	69.742	2.25
45	MP3A	Mx	0	2.25
46	MP3A	X	0	4.25
47	MP3A	Z	69.742	4.25
48	MP3A	Mx	0	4.25
49	MP3B	X	0	2.25
50	MP3B	Z	35.449	2.25
51	MP3B	Mx	-.015	2.25
52	MP3B	X	0	4.25
53	MP3B	Z	35.449	4.25
54	MP3B	Mx	-.015	4.25
55	MP3C	X	0	2.25
56	MP3C	Z	35.449	2.25
57	MP3C	Mx	.015	2.25
58	MP3C	X	0	4.25
59	MP3C	Z	35.449	4.25
60	MP3C	Mx	.015	4.25
61	MP1A	X	0	2.5
62	MP1A	Z	55.153	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	41.543	2.5
66	MP1B	Mx	.018	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	0	2.5
68	MP1C	Z	41.543	2.5
69	MP1C	Mx	-.018	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	55.153	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	38.874	2.5
75	MP2B	Mx	.017	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	38.874	2.5
78	MP2C	Mx	-.017	2.5
79	MP1A	X	0	2
80	MP1A	Z	46.436	2
81	MP1A	Mx	0	2
82	MP1A	X	0	4.5
83	MP1A	Z	46.436	4.5
84	MP1A	Mx	0	4.5
85	MP1B	X	0	2
86	MP1B	Z	83.649	2
87	MP1B	Mx	-.036	2
88	MP1B	X	0	4.5
89	MP1B	Z	83.649	4.5
90	MP1B	Mx	-.036	4.5
91	MP1C	X	0	2
92	MP1C	Z	83.649	2
93	MP1C	Mx	.036	2
94	MP1C	X	0	4.5
95	MP1C	Z	83.649	4.5
96	MP1C	Mx	.036	4.5
97	MP5A	X	0	2
98	MP5A	Z	46.436	2
99	MP5A	Mx	0	2
100	MP5A	X	0	4.5
101	MP5A	Z	46.436	4.5
102	MP5A	Mx	0	4.5
103	MP5B	X	0	2
104	MP5B	Z	83.649	2
105	MP5B	Mx	-.036	2
106	MP5B	X	0	4.5
107	MP5B	Z	83.649	4.5
108	MP5B	Mx	-.036	4.5
109	MP5C	X	0	2
110	MP5C	Z	83.649	2
111	MP5C	Mx	.036	2
112	MP5C	X	0	4.5
113	MP5C	Z	83.649	4.5
114	MP5C	Mx	.036	4.5
115	MP4A	X	0	1.5
116	MP4A	Z	112.798	1.5
117	MP4A	Mx	0	1.5
118	MP4B	X	0	1.5
119	MP4B	Z	92.516	1.5
120	MP4B	Mx	.04	1.5
121	MP1C	X	0	.25
122	MP1C	Z	33.359	.25
123	MP1C	Mx	-.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-5.18	5
2	MP2B	Z	8.973	5
3	MP2B	Mx	.003	5
4	MP2C	X	-14.105	5
5	MP2C	Z	24.43	5
6	MP2C	Mx	-.004	5
7	MP2A	X	-39.475	.5
8	MP2A	Z	68.374	.5
9	MP2A	Mx	-.026	.5
10	MP2A	X	-39.475	6
11	MP2A	Z	68.374	6
12	MP2A	Mx	-.026	6
13	MP2B	X	-31.527	.5
14	MP2B	Z	54.606	.5
15	MP2B	Mx	-.032	.5
16	MP2B	X	-31.527	6
17	MP2B	Z	54.606	6
18	MP2B	Mx	-.032	6
19	MP2C	X	-39.475	.5
20	MP2C	Z	68.374	.5
21	MP2C	Mx	.065	.5
22	MP2C	X	-39.475	6
23	MP2C	Z	68.374	6
24	MP2C	Mx	.065	6
25	MP2A	X	-39.475	.5
26	MP2A	Z	68.374	.5
27	MP2A	Mx	.065	.5
28	MP2A	X	-39.475	6
29	MP2A	Z	68.374	6
30	MP2A	Mx	.065	6
31	MP2B	X	-31.527	.5
32	MP2B	Z	54.606	.5
33	MP2B	Mx	-.032	.5
34	MP2B	X	-31.527	6
35	MP2B	Z	54.606	6
36	MP2B	Mx	-.032	6
37	MP2C	X	-39.475	.5
38	MP2C	Z	68.374	.5
39	MP2C	Mx	-.026	.5
40	MP2C	X	-39.475	6
41	MP2C	Z	68.374	6
42	MP2C	Mx	-.026	6
43	MP3A	X	-29.156	2.25
44	MP3A	Z	50.499	2.25
45	MP3A	Mx	.015	2.25
46	MP3A	X	-29.156	4.25
47	MP3A	Z	50.499	4.25
48	MP3A	Mx	.015	4.25
49	MP3B	X	-12.009	2.25
50	MP3B	Z	20.801	2.25
51	MP3B	Mx	-.012	2.25
52	MP3B	X	-12.009	4.25
53	MP3B	Z	20.801	4.25
54	MP3B	Mx	-.012	4.25
55	MP3C	X	-29.156	2.25
56	MP3C	Z	50.499	2.25
57	MP3C	Mx	.015	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-29.156	4.25
59	MP3C	Z	50.499	4.25
60	MP3C	Mx	.015	4.25
61	MP1A	X	-25.308	2.5
62	MP1A	Z	43.835	2.5
63	MP1A	Mx	-.013	2.5
64	MP1B	X	-18.503	2.5
65	MP1B	Z	32.048	2.5
66	MP1B	Mx	.019	2.5
67	MP1C	X	-25.308	2.5
68	MP1C	Z	43.835	2.5
69	MP1C	Mx	-.013	2.5
70	MP2A	X	-24.864	2.5
71	MP2A	Z	43.065	2.5
72	MP2A	Mx	-.012	2.5
73	MP2B	X	-16.724	2.5
74	MP2B	Z	28.967	2.5
75	MP2B	Mx	.017	2.5
76	MP2C	X	-24.864	2.5
77	MP2C	Z	43.065	2.5
78	MP2C	Mx	-.012	2.5
79	MP1A	X	-29.42	2
80	MP1A	Z	50.957	2
81	MP1A	Mx	.015	2
82	MP1A	X	-29.42	4.5
83	MP1A	Z	50.957	4.5
84	MP1A	Mx	.015	4.5
85	MP1B	X	-48.027	2
86	MP1B	Z	83.185	2
87	MP1B	Mx	-.048	2
88	MP1B	X	-48.027	4.5
89	MP1B	Z	83.185	4.5
90	MP1B	Mx	-.048	4.5
91	MP1C	X	-29.42	2
92	MP1C	Z	50.957	2
93	MP1C	Mx	.015	2
94	MP1C	X	-29.42	4.5
95	MP1C	Z	50.957	4.5
96	MP1C	Mx	.015	4.5
97	MP5A	X	-29.42	2
98	MP5A	Z	50.957	2
99	MP5A	Mx	.015	2
100	MP5A	X	-29.42	4.5
101	MP5A	Z	50.957	4.5
102	MP5A	Mx	.015	4.5
103	MP5B	X	-48.027	2
104	MP5B	Z	83.185	2
105	MP5B	Mx	-.048	2
106	MP5B	X	-48.027	4.5
107	MP5B	Z	83.185	4.5
108	MP5B	Mx	-.048	4.5
109	MP5C	X	-29.42	2
110	MP5C	Z	50.957	2
111	MP5C	Mx	.015	2
112	MP5C	X	-29.42	4.5
113	MP5C	Z	50.957	4.5
114	MP5C	Mx	.015	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4A	X	-53.019	1.5
116	MP4A	Z	91.831	1.5
117	MP4A	Mx	-.027	1.5
118	MP4B	X	-42.877	1.5
119	MP4B	Z	74.266	1.5
120	MP4B	Mx	.043	1.5
121	MP1C	X	-17.421	.25
122	MP1C	Z	30.174	.25
123	MP1C	Mx	-.009	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-14.125	5
2	MP2B	Z	8.155	5
3	MP2B	Mx	.004	5
4	MP2C	X	-29.583	5
5	MP2C	Z	17.08	5
6	MP2C	Mx	0	5
7	MP2A	X	-59.195	.5
8	MP2A	Z	34.176	.5
9	MP2A	Mx	.007	.5
10	MP2A	X	-59.195	6
11	MP2A	Z	34.176	6
12	MP2A	Mx	.007	6
13	MP2B	X	-59.195	.5
14	MP2B	Z	34.176	.5
15	MP2B	Mx	-.052	.5
16	MP2B	X	-59.195	6
17	MP2B	Z	34.176	6
18	MP2B	Mx	-.052	6
19	MP2C	X	-72.963	.5
20	MP2C	Z	42.125	.5
21	MP2C	Mx	.056	.5
22	MP2C	X	-72.963	6
23	MP2C	Z	42.125	6
24	MP2C	Mx	.056	6
25	MP2A	X	-59.195	.5
26	MP2A	Z	34.176	.5
27	MP2A	Mx	.052	.5
28	MP2A	X	-59.195	6
29	MP2A	Z	34.176	6
30	MP2A	Mx	.052	6
31	MP2B	X	-59.195	.5
32	MP2B	Z	34.176	.5
33	MP2B	Mx	-.007	.5
34	MP2B	X	-59.195	6
35	MP2B	Z	34.176	6
36	MP2B	Mx	-.007	6
37	MP2C	X	-72.963	.5
38	MP2C	Z	42.125	.5
39	MP2C	Mx	-.056	.5
40	MP2C	X	-72.963	6
41	MP2C	Z	42.125	6
42	MP2C	Mx	-.056	6
43	MP3A	X	-30.7	2.25
44	MP3A	Z	17.725	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3A	Mx	.015	2.25
46	MP3A	X	-30.7	4.25
47	MP3A	Z	17.725	4.25
48	MP3A	Mx	.015	4.25
49	MP3B	X	-30.7	2.25
50	MP3B	Z	17.725	2.25
51	MP3B	Mx	-.015	2.25
52	MP3B	X	-30.7	4.25
53	MP3B	Z	17.725	4.25
54	MP3B	Mx	-.015	4.25
55	MP3C	X	-60.399	2.25
56	MP3C	Z	34.871	2.25
57	MP3C	Mx	0	2.25
58	MP3C	X	-60.399	4.25
59	MP3C	Z	34.871	4.25
60	MP3C	Mx	0	4.25
61	MP1A	X	-35.977	2.5
62	MP1A	Z	20.772	2.5
63	MP1A	Mx	-.018	2.5
64	MP1B	X	-35.977	2.5
65	MP1B	Z	20.772	2.5
66	MP1B	Mx	.018	2.5
67	MP1C	X	-47.764	2.5
68	MP1C	Z	27.577	2.5
69	MP1C	Mx	0	2.5
70	MP2A	X	-33.666	2.5
71	MP2A	Z	19.437	2.5
72	MP2A	Mx	-.017	2.5
73	MP2B	X	-33.666	2.5
74	MP2B	Z	19.437	2.5
75	MP2B	Mx	.017	2.5
76	MP2C	X	-47.764	2.5
77	MP2C	Z	27.577	2.5
78	MP2C	Mx	0	2.5
79	MP1A	X	-72.442	2
80	MP1A	Z	41.825	2
81	MP1A	Mx	.036	2
82	MP1A	X	-72.442	4.5
83	MP1A	Z	41.825	4.5
84	MP1A	Mx	.036	4.5
85	MP1B	X	-72.442	2
86	MP1B	Z	41.825	2
87	MP1B	Mx	-.036	2
88	MP1B	X	-72.442	4.5
89	MP1B	Z	41.825	4.5
90	MP1B	Mx	-.036	4.5
91	MP1C	X	-40.214	2
92	MP1C	Z	23.218	2
93	MP1C	Mx	0	2
94	MP1C	X	-40.214	4.5
95	MP1C	Z	23.218	4.5
96	MP1C	Mx	0	4.5
97	MP5A	X	-72.442	2
98	MP5A	Z	41.825	2
99	MP5A	Mx	.036	2
100	MP5A	X	-72.442	4.5
101	MP5A	Z	41.825	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP5A	Mx	.036	4.5
103	MP5B	X	-72.442	2
104	MP5B	Z	41.825	2
105	MP5B	Mx	-.036	2
106	MP5B	X	-72.442	4.5
107	MP5B	Z	41.825	4.5
108	MP5B	Mx	-.036	4.5
109	MP5C	X	-40.214	2
110	MP5C	Z	23.218	2
111	MP5C	Mx	0	2
112	MP5C	X	-40.214	4.5
113	MP5C	Z	23.218	4.5
114	MP5C	Mx	0	4.5
115	MP4A	X	-80.121	1.5
116	MP4A	Z	46.258	1.5
117	MP4A	Mx	-.04	1.5
118	MP4B	X	-80.121	1.5
119	MP4B	Z	46.258	1.5
120	MP4B	Mx	.04	1.5
121	MP1C	X	-30.816	.25
122	MP1C	Z	17.791	.25
123	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-28.21	5
2	MP2B	Z	0	5
3	MP2B	Mx	.004	5
4	MP2C	X	-28.21	5
5	MP2C	Z	0	5
6	MP2C	Mx	.004	5
7	MP2A	X	-63.054	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.032	.5
10	MP2A	X	-63.054	6
11	MP2A	Z	0	6
12	MP2A	Mx	.032	6
13	MP2B	X	-78.951	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	-.065	.5
16	MP2B	X	-78.951	6
17	MP2B	Z	0	6
18	MP2B	Mx	-.065	6
19	MP2C	X	-78.951	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	.026	.5
22	MP2C	X	-78.951	6
23	MP2C	Z	0	6
24	MP2C	Mx	.026	6
25	MP2A	X	-63.054	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	.032	.5
28	MP2A	X	-63.054	6
29	MP2A	Z	0	6
30	MP2A	Mx	.032	6
31	MP2B	X	-78.951	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2B	Z	0	.5
33	MP2B	Mx	.026	.5
34	MP2B	X	-78.951	6
35	MP2B	Z	0	6
36	MP2B	Mx	.026	6
37	MP2C	X	-78.951	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	-.065	.5
40	MP2C	X	-78.951	6
41	MP2C	Z	0	6
42	MP2C	Mx	-.065	6
43	MP3A	X	-24.018	2.25
44	MP3A	Z	0	2.25
45	MP3A	Mx	.012	2.25
46	MP3A	X	-24.018	4.25
47	MP3A	Z	0	4.25
48	MP3A	Mx	.012	4.25
49	MP3B	X	-58.311	2.25
50	MP3B	Z	0	2.25
51	MP3B	Mx	-.015	2.25
52	MP3B	X	-58.311	4.25
53	MP3B	Z	0	4.25
54	MP3B	Mx	-.015	4.25
55	MP3C	X	-58.311	2.25
56	MP3C	Z	0	2.25
57	MP3C	Mx	-.015	2.25
58	MP3C	X	-58.311	4.25
59	MP3C	Z	0	4.25
60	MP3C	Mx	-.015	4.25
61	MP1A	X	-37.006	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	-.019	2.5
64	MP1B	X	-50.617	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	.013	2.5
67	MP1C	X	-50.617	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	.013	2.5
70	MP2A	X	-33.448	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	-.017	2.5
73	MP2B	X	-49.727	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	.012	2.5
76	MP2C	X	-49.727	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	.012	2.5
79	MP1A	X	-96.054	2
80	MP1A	Z	0	2
81	MP1A	Mx	.048	2
82	MP1A	X	-96.054	4.5
83	MP1A	Z	0	4.5
84	MP1A	Mx	.048	4.5
85	MP1B	X	-58.84	2
86	MP1B	Z	0	2
87	MP1B	Mx	-.015	2
88	MP1B	X	-58.84	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1B	Z	0	4.5
90	MP1B	Mx	-.015	4.5
91	MP1C	X	-58.84	2
92	MP1C	Z	0	2
93	MP1C	Mx	-.015	2
94	MP1C	X	-58.84	4.5
95	MP1C	Z	0	4.5
96	MP1C	Mx	-.015	4.5
97	MP5A	X	-96.054	2
98	MP5A	Z	0	2
99	MP5A	Mx	.048	2
100	MP5A	X	-96.054	4.5
101	MP5A	Z	0	4.5
102	MP5A	Mx	.048	4.5
103	MP5B	X	-58.84	2
104	MP5B	Z	0	2
105	MP5B	Mx	-.015	2
106	MP5B	X	-58.84	4.5
107	MP5B	Z	0	4.5
108	MP5B	Mx	-.015	4.5
109	MP5C	X	-58.84	2
110	MP5C	Z	0	2
111	MP5C	Mx	-.015	2
112	MP5C	X	-58.84	4.5
113	MP5C	Z	0	4.5
114	MP5C	Mx	-.015	4.5
115	MP4A	X	-85.755	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	-.043	1.5
118	MP4B	X	-106.037	1.5
119	MP4B	Z	0	1.5
120	MP4B	Mx	.027	1.5
121	MP1C	X	-34.842	.25
122	MP1C	Z	0	.25
123	MP1C	Mx	.009	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-29.583	5
2	MP2B	Z	-17.08	5
3	MP2B	Mx	0	5
4	MP2C	X	-14.125	5
5	MP2C	Z	-8.155	5
6	MP2C	Mx	.004	5
7	MP2A	X	-59.195	.5
8	MP2A	Z	-34.176	.5
9	MP2A	Mx	.052	.5
10	MP2A	X	-59.195	6
11	MP2A	Z	-34.176	6
12	MP2A	Mx	.052	6
13	MP2B	X	-72.963	.5
14	MP2B	Z	-42.125	.5
15	MP2B	Mx	-.056	.5
16	MP2B	X	-72.963	6
17	MP2B	Z	-42.125	6
18	MP2B	Mx	-.056	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2C	X	-59.195	.5
20	MP2C	Z	-34.176	.5
21	MP2C	Mx	-.007	.5
22	MP2C	X	-59.195	6
23	MP2C	Z	-34.176	6
24	MP2C	Mx	-.007	6
25	MP2A	X	-59.195	.5
26	MP2A	Z	-34.176	.5
27	MP2A	Mx	.007	.5
28	MP2A	X	-59.195	6
29	MP2A	Z	-34.176	6
30	MP2A	Mx	.007	6
31	MP2B	X	-72.963	.5
32	MP2B	Z	-42.125	.5
33	MP2B	Mx	.056	.5
34	MP2B	X	-72.963	6
35	MP2B	Z	-42.125	6
36	MP2B	Mx	.056	6
37	MP2C	X	-59.195	.5
38	MP2C	Z	-34.176	.5
39	MP2C	Mx	-.052	.5
40	MP2C	X	-59.195	6
41	MP2C	Z	-34.176	6
42	MP2C	Mx	-.052	6
43	MP3A	X	-30.7	2.25
44	MP3A	Z	-17.725	2.25
45	MP3A	Mx	.015	2.25
46	MP3A	X	-30.7	4.25
47	MP3A	Z	-17.725	4.25
48	MP3A	Mx	.015	4.25
49	MP3B	X	-60.399	2.25
50	MP3B	Z	-34.871	2.25
51	MP3B	Mx	0	2.25
52	MP3B	X	-60.399	4.25
53	MP3B	Z	-34.871	4.25
54	MP3B	Mx	0	4.25
55	MP3C	X	-30.7	2.25
56	MP3C	Z	-17.725	2.25
57	MP3C	Mx	-.015	2.25
58	MP3C	X	-30.7	4.25
59	MP3C	Z	-17.725	4.25
60	MP3C	Mx	-.015	4.25
61	MP1A	X	-35.977	2.5
62	MP1A	Z	-20.772	2.5
63	MP1A	Mx	-.018	2.5
64	MP1B	X	-47.764	2.5
65	MP1B	Z	-27.577	2.5
66	MP1B	Mx	0	2.5
67	MP1C	X	-35.977	2.5
68	MP1C	Z	-20.772	2.5
69	MP1C	Mx	.018	2.5
70	MP2A	X	-33.666	2.5
71	MP2A	Z	-19.437	2.5
72	MP2A	Mx	-.017	2.5
73	MP2B	X	-47.764	2.5
74	MP2B	Z	-27.577	2.5
75	MP2B	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2C	X	-33.666	2.5
77	MP2C	Z	-19.437	2.5
78	MP2C	Mx	.017	2.5
79	MP1A	X	-72.442	2
80	MP1A	Z	-41.825	2
81	MP1A	Mx	.036	2
82	MP1A	X	-72.442	4.5
83	MP1A	Z	-41.825	4.5
84	MP1A	Mx	.036	4.5
85	MP1B	X	-40.214	2
86	MP1B	Z	-23.218	2
87	MP1B	Mx	0	2
88	MP1B	X	-40.214	4.5
89	MP1B	Z	-23.218	4.5
90	MP1B	Mx	0	4.5
91	MP1C	X	-72.442	2
92	MP1C	Z	-41.825	2
93	MP1C	Mx	-.036	2
94	MP1C	X	-72.442	4.5
95	MP1C	Z	-41.825	4.5
96	MP1C	Mx	-.036	4.5
97	MP5A	X	-72.442	2
98	MP5A	Z	-41.825	2
99	MP5A	Mx	.036	2
100	MP5A	X	-72.442	4.5
101	MP5A	Z	-41.825	4.5
102	MP5A	Mx	.036	4.5
103	MP5B	X	-40.214	2
104	MP5B	Z	-23.218	2
105	MP5B	Mx	0	2
106	MP5B	X	-40.214	4.5
107	MP5B	Z	-23.218	4.5
108	MP5B	Mx	0	4.5
109	MP5C	X	-72.442	2
110	MP5C	Z	-41.825	2
111	MP5C	Mx	-.036	2
112	MP5C	X	-72.442	4.5
113	MP5C	Z	-41.825	4.5
114	MP5C	Mx	-.036	4.5
115	MP4A	X	-80.121	1.5
116	MP4A	Z	-46.258	1.5
117	MP4A	Mx	-.04	1.5
118	MP4B	X	-97.686	1.5
119	MP4B	Z	-56.399	1.5
120	MP4B	Mx	0	1.5
121	MP1C	X	-28.89	.25
122	MP1C	Z	-16.679	.25
123	MP1C	Mx	.014	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-14.105	5
2	MP2B	Z	-24.43	5
3	MP2B	Mx	-.004	5
4	MP2C	X	-5.18	5
5	MP2C	Z	-8.973	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2C	Mx	.003	5
7	MP2A	X	-39.475	.5
8	MP2A	Z	-68.374	.5
9	MP2A	Mx	.065	.5
10	MP2A	X	-39.475	6
11	MP2A	Z	-68.374	6
12	MP2A	Mx	.065	6
13	MP2B	X	-39.475	.5
14	MP2B	Z	-68.374	.5
15	MP2B	Mx	-.026	.5
16	MP2B	X	-39.475	6
17	MP2B	Z	-68.374	6
18	MP2B	Mx	-.026	6
19	MP2C	X	-31.527	.5
20	MP2C	Z	-54.606	.5
21	MP2C	Mx	-.032	.5
22	MP2C	X	-31.527	6
23	MP2C	Z	-54.606	6
24	MP2C	Mx	-.032	6
25	MP2A	X	-39.475	.5
26	MP2A	Z	-68.374	.5
27	MP2A	Mx	-.026	.5
28	MP2A	X	-39.475	6
29	MP2A	Z	-68.374	6
30	MP2A	Mx	-.026	6
31	MP2B	X	-39.475	.5
32	MP2B	Z	-68.374	.5
33	MP2B	Mx	.065	.5
34	MP2B	X	-39.475	6
35	MP2B	Z	-68.374	6
36	MP2B	Mx	.065	6
37	MP2C	X	-31.527	.5
38	MP2C	Z	-54.606	.5
39	MP2C	Mx	-.032	.5
40	MP2C	X	-31.527	6
41	MP2C	Z	-54.606	6
42	MP2C	Mx	-.032	6
43	MP3A	X	-29.156	2.25
44	MP3A	Z	-50.499	2.25
45	MP3A	Mx	.015	2.25
46	MP3A	X	-29.156	4.25
47	MP3A	Z	-50.499	4.25
48	MP3A	Mx	.015	4.25
49	MP3B	X	-29.156	2.25
50	MP3B	Z	-50.499	2.25
51	MP3B	Mx	.015	2.25
52	MP3B	X	-29.156	4.25
53	MP3B	Z	-50.499	4.25
54	MP3B	Mx	.015	4.25
55	MP3C	X	-12.009	2.25
56	MP3C	Z	-20.801	2.25
57	MP3C	Mx	-.012	2.25
58	MP3C	X	-12.009	4.25
59	MP3C	Z	-20.801	4.25
60	MP3C	Mx	-.012	4.25
61	MP1A	X	-25.308	2.5
62	MP1A	Z	-43.835	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1A	Mx	-.013	2.5
64	MP1B	X	-25.308	2.5
65	MP1B	Z	-43.835	2.5
66	MP1B	Mx	-.013	2.5
67	MP1C	X	-18.503	2.5
68	MP1C	Z	-32.048	2.5
69	MP1C	Mx	.019	2.5
70	MP2A	X	-24.864	2.5
71	MP2A	Z	-43.065	2.5
72	MP2A	Mx	-.012	2.5
73	MP2B	X	-24.864	2.5
74	MP2B	Z	-43.065	2.5
75	MP2B	Mx	-.012	2.5
76	MP2C	X	-16.724	2.5
77	MP2C	Z	-28.967	2.5
78	MP2C	Mx	.017	2.5
79	MP1A	X	-29.42	2
80	MP1A	Z	-50.957	2
81	MP1A	Mx	.015	2
82	MP1A	X	-29.42	4.5
83	MP1A	Z	-50.957	4.5
84	MP1A	Mx	.015	4.5
85	MP1B	X	-29.42	2
86	MP1B	Z	-50.957	2
87	MP1B	Mx	.015	2
88	MP1B	X	-29.42	4.5
89	MP1B	Z	-50.957	4.5
90	MP1B	Mx	.015	4.5
91	MP1C	X	-48.027	2
92	MP1C	Z	-83.185	2
93	MP1C	Mx	-.048	2
94	MP1C	X	-48.027	4.5
95	MP1C	Z	-83.185	4.5
96	MP1C	Mx	-.048	4.5
97	MP5A	X	-29.42	2
98	MP5A	Z	-50.957	2
99	MP5A	Mx	.015	2
100	MP5A	X	-29.42	4.5
101	MP5A	Z	-50.957	4.5
102	MP5A	Mx	.015	4.5
103	MP5B	X	-29.42	2
104	MP5B	Z	-50.957	2
105	MP5B	Mx	.015	2
106	MP5B	X	-29.42	4.5
107	MP5B	Z	-50.957	4.5
108	MP5B	Mx	.015	4.5
109	MP5C	X	-48.027	2
110	MP5C	Z	-83.185	2
111	MP5C	Mx	-.048	2
112	MP5C	X	-48.027	4.5
113	MP5C	Z	-83.185	4.5
114	MP5C	Mx	-.048	4.5
115	MP4A	X	-53.019	1.5
116	MP4A	Z	-91.831	1.5
117	MP4A	Mx	-.027	1.5
118	MP4B	X	-53.019	1.5
119	MP4B	Z	-91.831	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4B	Mx	-.027	1.5
121	MP1C	X	-16.309	.25
122	MP1C	Z	-28.248	.25
123	MP1C	Mx	.016	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	5
2	MP2B	Z	-3.716	5
3	MP2B	Mx	-.000805	5
4	MP2C	X	0	5
5	MP2C	Z	-3.716	5
6	MP2C	Mx	.000805	5
7	MP2A	X	0	.5
8	MP2A	Z	-30.646	.5
9	MP2A	Mx	.02	.5
10	MP2A	X	0	6
11	MP2A	Z	-30.646	6
12	MP2A	Mx	.02	6
13	MP2B	X	0	.5
14	MP2B	Z	-25.046	.5
15	MP2B	Mx	.002	.5
16	MP2B	X	0	6
17	MP2B	Z	-25.046	6
18	MP2B	Mx	.002	6
19	MP2C	X	0	.5
20	MP2C	Z	-25.046	.5
21	MP2C	Mx	-.019	.5
22	MP2C	X	0	6
23	MP2C	Z	-25.046	6
24	MP2C	Mx	-.019	6
25	MP2A	X	0	.5
26	MP2A	Z	-30.646	.5
27	MP2A	Mx	-.02	.5
28	MP2A	X	0	6
29	MP2A	Z	-30.646	6
30	MP2A	Mx	-.02	6
31	MP2B	X	0	.5
32	MP2B	Z	-25.046	.5
33	MP2B	Mx	.019	.5
34	MP2B	X	0	6
35	MP2B	Z	-25.046	6
36	MP2B	Mx	.019	6
37	MP2C	X	0	.5
38	MP2C	Z	-25.046	.5
39	MP2C	Mx	-.002	.5
40	MP2C	X	0	6
41	MP2C	Z	-25.046	6
42	MP2C	Mx	-.002	6
43	MP3A	X	0	2.25
44	MP3A	Z	-15.096	2.25
45	MP3A	Mx	0	2.25
46	MP3A	X	0	4.25
47	MP3A	Z	-15.096	4.25
48	MP3A	Mx	0	4.25
49	MP3B	X	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3B	Z	-8.592	2.25
51	MP3B	Mx	.004	2.25
52	MP3B	X	0	4.25
53	MP3B	Z	-8.592	4.25
54	MP3B	Mx	.004	4.25
55	MP3C	X	0	2.25
56	MP3C	Z	-8.592	2.25
57	MP3C	Mx	-.004	2.25
58	MP3C	X	0	4.25
59	MP3C	Z	-8.592	4.25
60	MP3C	Mx	-.004	4.25
61	MP1A	X	0	2.5
62	MP1A	Z	-12.716	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	-9.81	2.5
66	MP1B	Mx	-.004	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	-9.81	2.5
69	MP1C	Mx	.004	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	-12.716	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	-9.287	2.5
75	MP2B	Mx	-.004	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	-9.287	2.5
78	MP2C	Mx	.004	2.5
79	MP1A	X	0	2
80	MP1A	Z	-8.989	2
81	MP1A	Mx	0	2
82	MP1A	X	0	4.5
83	MP1A	Z	-8.989	4.5
84	MP1A	Mx	0	4.5
85	MP1B	X	0	2
86	MP1B	Z	-15.136	2
87	MP1B	Mx	.007	2
88	MP1B	X	0	4.5
89	MP1B	Z	-15.136	4.5
90	MP1B	Mx	.007	4.5
91	MP1C	X	0	2
92	MP1C	Z	-15.136	2
93	MP1C	Mx	-.007	2
94	MP1C	X	0	4.5
95	MP1C	Z	-15.136	4.5
96	MP1C	Mx	-.007	4.5
97	MP5A	X	0	2
98	MP5A	Z	-8.989	2
99	MP5A	Mx	0	2
100	MP5A	X	0	4.5
101	MP5A	Z	-8.989	4.5
102	MP5A	Mx	0	4.5
103	MP5B	X	0	2
104	MP5B	Z	-15.136	2
105	MP5B	Mx	.007	2
106	MP5B	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP5B	Z	-15.136	4.5
108	MP5B	Mx	.007	4.5
109	MP5C	X	0	2
110	MP5C	Z	-15.136	2
111	MP5C	Mx	-.007	2
112	MP5C	X	0	4.5
113	MP5C	Z	-15.136	4.5
114	MP5C	Mx	-.007	4.5
115	MP4A	X	0	1.5
116	MP4A	Z	-26.145	1.5
117	MP4A	Mx	0	1.5
118	MP4B	X	0	1.5
119	MP4B	Z	-21.867	1.5
120	MP4B	Mx	-.009	1.5
121	MP1C	X	0	.25
122	MP1C	Z	-5.928	.25
123	MP1C	Mx	.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	1.313	5
2	MP2B	Z	-2.274	5
3	MP2B	Mx	-.000656	5
4	MP2C	X	2.948	5
5	MP2C	Z	-5.105	5
6	MP2C	Mx	.000737	5
7	MP2A	X	14.39	.5
8	MP2A	Z	-24.924	.5
9	MP2A	Mx	.009	.5
10	MP2A	X	14.39	6
11	MP2A	Z	-24.924	6
12	MP2A	Mx	.009	6
13	MP2B	X	11.59	.5
14	MP2B	Z	-20.074	.5
15	MP2B	Mx	.012	.5
16	MP2B	X	11.59	6
17	MP2B	Z	-20.074	6
18	MP2B	Mx	.012	6
19	MP2C	X	14.39	.5
20	MP2C	Z	-24.924	.5
21	MP2C	Mx	-.024	.5
22	MP2C	X	14.39	6
23	MP2C	Z	-24.924	6
24	MP2C	Mx	-.024	6
25	MP2A	X	14.39	.5
26	MP2A	Z	-24.924	.5
27	MP2A	Mx	-.024	.5
28	MP2A	X	14.39	6
29	MP2A	Z	-24.924	6
30	MP2A	Mx	-.024	6
31	MP2B	X	11.59	.5
32	MP2B	Z	-20.074	.5
33	MP2B	Mx	.012	.5
34	MP2B	X	11.59	6
35	MP2B	Z	-20.074	6
36	MP2B	Mx	.012	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2C	X	14.39	.5
38	MP2C	Z	-24.924	.5
39	MP2C	Mx	.009	.5
40	MP2C	X	14.39	6
41	MP2C	Z	-24.924	6
42	MP2C	Mx	.009	6
43	MP3A	X	6.464	2.25
44	MP3A	Z	-11.196	2.25
45	MP3A	Mx	-.003	2.25
46	MP3A	X	6.464	4.25
47	MP3A	Z	-11.196	4.25
48	MP3A	Mx	-.003	4.25
49	MP3B	X	3.212	2.25
50	MP3B	Z	-5.564	2.25
51	MP3B	Mx	.003	2.25
52	MP3B	X	3.212	4.25
53	MP3B	Z	-5.564	4.25
54	MP3B	Mx	.003	4.25
55	MP3C	X	6.464	2.25
56	MP3C	Z	-11.196	2.25
57	MP3C	Mx	-.003	2.25
58	MP3C	X	6.464	4.25
59	MP3C	Z	-11.196	4.25
60	MP3C	Mx	-.003	4.25
61	MP1A	X	5.873	2.5
62	MP1A	Z	-10.173	2.5
63	MP1A	Mx	.003	2.5
64	MP1B	X	4.421	2.5
65	MP1B	Z	-7.657	2.5
66	MP1B	Mx	-.004	2.5
67	MP1C	X	5.873	2.5
68	MP1C	Z	-10.173	2.5
69	MP1C	Mx	.003	2.5
70	MP2A	X	5.786	2.5
71	MP2A	Z	-10.022	2.5
72	MP2A	Mx	.003	2.5
73	MP2B	X	4.072	2.5
74	MP2B	Z	-7.053	2.5
75	MP2B	Mx	-.004	2.5
76	MP2C	X	5.786	2.5
77	MP2C	Z	-10.022	2.5
78	MP2C	Mx	.003	2.5
79	MP1A	X	5.519	2
80	MP1A	Z	-9.559	2
81	MP1A	Mx	-.003	2
82	MP1A	X	5.519	4.5
83	MP1A	Z	-9.559	4.5
84	MP1A	Mx	-.003	4.5
85	MP1B	X	8.593	2
86	MP1B	Z	-14.883	2
87	MP1B	Mx	.009	2
88	MP1B	X	8.593	4.5
89	MP1B	Z	-14.883	4.5
90	MP1B	Mx	.009	4.5
91	MP1C	X	5.519	2
92	MP1C	Z	-9.559	2
93	MP1C	Mx	-.003	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1C	X	5.519	4.5
95	MP1C	Z	-9.559	4.5
96	MP1C	Mx	-.003	4.5
97	MP5A	X	5.519	2
98	MP5A	Z	-9.559	2
99	MP5A	Mx	-.003	2
100	MP5A	X	5.519	4.5
101	MP5A	Z	-9.559	4.5
102	MP5A	Mx	-.003	4.5
103	MP5B	X	8.593	2
104	MP5B	Z	-14.883	2
105	MP5B	Mx	.009	2
106	MP5B	X	8.593	4.5
107	MP5B	Z	-14.883	4.5
108	MP5B	Mx	.009	4.5
109	MP5C	X	5.519	2
110	MP5C	Z	-9.559	2
111	MP5C	Mx	-.003	2
112	MP5C	X	5.519	4.5
113	MP5C	Z	-9.559	4.5
114	MP5C	Mx	-.003	4.5
115	MP4A	X	12.36	1.5
116	MP4A	Z	-21.407	1.5
117	MP4A	Mx	.006	1.5
118	MP4B	X	10.22	1.5
119	MP4B	Z	-17.702	1.5
120	MP4B	Mx	-.01	1.5
121	MP1C	X	2.107	.25
122	MP1C	Z	-3.65	.25
123	MP1C	Mx	.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	3.218	5
2	MP2B	Z	-1.858	5
3	MP2B	Mx	-.000805	5
4	MP2C	X	6.049	5
5	MP2C	Z	-3.493	5
6	MP2C	Mx	0	5
7	MP2A	X	21.691	.5
8	MP2A	Z	-12.523	.5
9	MP2A	Mx	-.002	.5
10	MP2A	X	21.691	6
11	MP2A	Z	-12.523	6
12	MP2A	Mx	-.002	6
13	MP2B	X	21.691	.5
14	MP2B	Z	-12.523	.5
15	MP2B	Mx	.019	.5
16	MP2B	X	21.691	6
17	MP2B	Z	-12.523	6
18	MP2B	Mx	.019	6
19	MP2C	X	26.541	.5
20	MP2C	Z	-15.323	.5
21	MP2C	Mx	-.02	.5
22	MP2C	X	26.541	6
23	MP2C	Z	-15.323	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2C	Mx	-.02	6
25	MP2A	X	21.691	.5
26	MP2A	Z	-12.523	.5
27	MP2A	Mx	-.019	.5
28	MP2A	X	21.691	6
29	MP2A	Z	-12.523	6
30	MP2A	Mx	-.019	6
31	MP2B	X	21.691	.5
32	MP2B	Z	-12.523	.5
33	MP2B	Mx	.002	.5
34	MP2B	X	21.691	6
35	MP2B	Z	-12.523	6
36	MP2B	Mx	.002	6
37	MP2C	X	26.541	.5
38	MP2C	Z	-15.323	.5
39	MP2C	Mx	.02	.5
40	MP2C	X	26.541	6
41	MP2C	Z	-15.323	6
42	MP2C	Mx	.02	6
43	MP3A	X	7.441	2.25
44	MP3A	Z	-4.296	2.25
45	MP3A	Mx	-.004	2.25
46	MP3A	X	7.441	4.25
47	MP3A	Z	-4.296	4.25
48	MP3A	Mx	-.004	4.25
49	MP3B	X	7.441	2.25
50	MP3B	Z	-4.296	2.25
51	MP3B	Mx	.004	2.25
52	MP3B	X	7.441	4.25
53	MP3B	Z	-4.296	4.25
54	MP3B	Mx	.004	4.25
55	MP3C	X	13.073	2.25
56	MP3C	Z	-7.548	2.25
57	MP3C	Mx	0	2.25
58	MP3C	X	13.073	4.25
59	MP3C	Z	-7.548	4.25
60	MP3C	Mx	0	4.25
61	MP1A	X	8.496	2.5
62	MP1A	Z	-4.905	2.5
63	MP1A	Mx	.004	2.5
64	MP1B	X	8.496	2.5
65	MP1B	Z	-4.905	2.5
66	MP1B	Mx	-.004	2.5
67	MP1C	X	11.012	2.5
68	MP1C	Z	-6.358	2.5
69	MP1C	Mx	0	2.5
70	MP2A	X	8.043	2.5
71	MP2A	Z	-4.643	2.5
72	MP2A	Mx	.004	2.5
73	MP2B	X	8.043	2.5
74	MP2B	Z	-4.643	2.5
75	MP2B	Mx	-.004	2.5
76	MP2C	X	11.012	2.5
77	MP2C	Z	-6.358	2.5
78	MP2C	Mx	0	2.5
79	MP1A	X	13.108	2
80	MP1A	Z	-7.568	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	-.007	2
82	MP1A	X	13.108	4.5
83	MP1A	Z	-7.568	4.5
84	MP1A	Mx	-.007	4.5
85	MP1B	X	13.108	2
86	MP1B	Z	-7.568	2
87	MP1B	Mx	.007	2
88	MP1B	X	13.108	4.5
89	MP1B	Z	-7.568	4.5
90	MP1B	Mx	.007	4.5
91	MP1C	X	7.784	2
92	MP1C	Z	-4.494	2
93	MP1C	Mx	0	2
94	MP1C	X	7.784	4.5
95	MP1C	Z	-4.494	4.5
96	MP1C	Mx	0	4.5
97	MP5A	X	13.108	2
98	MP5A	Z	-7.568	2
99	MP5A	Mx	-.007	2
100	MP5A	X	13.108	4.5
101	MP5A	Z	-7.568	4.5
102	MP5A	Mx	-.007	4.5
103	MP5B	X	13.108	2
104	MP5B	Z	-7.568	2
105	MP5B	Mx	.007	2
106	MP5B	X	13.108	4.5
107	MP5B	Z	-7.568	4.5
108	MP5B	Mx	.007	4.5
109	MP5C	X	7.784	2
110	MP5C	Z	-4.494	2
111	MP5C	Mx	0	2
112	MP5C	X	7.784	4.5
113	MP5C	Z	-4.494	4.5
114	MP5C	Mx	0	4.5
115	MP4A	X	18.937	1.5
116	MP4A	Z	-10.933	1.5
117	MP4A	Mx	.009	1.5
118	MP4B	X	18.937	1.5
119	MP4B	Z	-10.933	1.5
120	MP4B	Mx	-.009	1.5
121	MP1C	X	2.908	.25
122	MP1C	Z	-1.679	.25
123	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	5.895	5
2	MP2B	Z	0	5
3	MP2B	Mx	-.000737	5
4	MP2C	X	5.895	5
5	MP2C	Z	0	5
6	MP2C	Mx	-.000737	5
7	MP2A	X	23.18	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.012	.5
10	MP2A	X	23.18	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	0	6
12	MP2A	Mx	-.012	6
13	MP2B	X	28.78	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	.024	.5
16	MP2B	X	28.78	6
17	MP2B	Z	0	6
18	MP2B	Mx	.024	6
19	MP2C	X	28.78	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	-.009	.5
22	MP2C	X	28.78	6
23	MP2C	Z	0	6
24	MP2C	Mx	-.009	6
25	MP2A	X	23.18	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	-.012	.5
28	MP2A	X	23.18	6
29	MP2A	Z	0	6
30	MP2A	Mx	-.012	6
31	MP2B	X	28.78	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	-.009	.5
34	MP2B	X	28.78	6
35	MP2B	Z	0	6
36	MP2B	Mx	-.009	6
37	MP2C	X	28.78	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	.024	.5
40	MP2C	X	28.78	6
41	MP2C	Z	0	6
42	MP2C	Mx	.024	6
43	MP3A	X	6.425	2.25
44	MP3A	Z	0	2.25
45	MP3A	Mx	-.003	2.25
46	MP3A	X	6.425	4.25
47	MP3A	Z	0	4.25
48	MP3A	Mx	-.003	4.25
49	MP3B	X	12.928	2.25
50	MP3B	Z	0	2.25
51	MP3B	Mx	.003	2.25
52	MP3B	X	12.928	4.25
53	MP3B	Z	0	4.25
54	MP3B	Mx	.003	4.25
55	MP3C	X	12.928	2.25
56	MP3C	Z	0	2.25
57	MP3C	Mx	.003	2.25
58	MP3C	X	12.928	4.25
59	MP3C	Z	0	4.25
60	MP3C	Mx	.003	4.25
61	MP1A	X	8.841	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	.004	2.5
64	MP1B	X	11.747	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	-.003	2.5
67	MP1C	X	11.747	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.003	2.5
70	MP2A	X	8.144	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	.004	2.5
73	MP2B	X	11.573	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	-.003	2.5
76	MP2C	X	11.573	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	-.003	2.5
79	MP1A	X	17.186	2
80	MP1A	Z	0	2
81	MP1A	Mx	-.009	2
82	MP1A	X	17.186	4.5
83	MP1A	Z	0	4.5
84	MP1A	Mx	-.009	4.5
85	MP1B	X	11.038	2
86	MP1B	Z	0	2
87	MP1B	Mx	.003	2
88	MP1B	X	11.038	4.5
89	MP1B	Z	0	4.5
90	MP1B	Mx	.003	4.5
91	MP1C	X	11.038	2
92	MP1C	Z	0	2
93	MP1C	Mx	.003	2
94	MP1C	X	11.038	4.5
95	MP1C	Z	0	4.5
96	MP1C	Mx	.003	4.5
97	MP5A	X	17.186	2
98	MP5A	Z	0	2
99	MP5A	Mx	-.009	2
100	MP5A	X	17.186	4.5
101	MP5A	Z	0	4.5
102	MP5A	Mx	-.009	4.5
103	MP5B	X	11.038	2
104	MP5B	Z	0	2
105	MP5B	Mx	.003	2
106	MP5B	X	11.038	4.5
107	MP5B	Z	0	4.5
108	MP5B	Mx	.003	4.5
109	MP5C	X	11.038	2
110	MP5C	Z	0	2
111	MP5C	Mx	.003	2
112	MP5C	X	11.038	4.5
113	MP5C	Z	0	4.5
114	MP5C	Mx	.003	4.5
115	MP4A	X	20.44	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	.01	1.5
118	MP4B	X	24.719	1.5
119	MP4B	Z	0	1.5
120	MP4B	Mx	-.006	1.5
121	MP1C	X	4.215	.25
122	MP1C	Z	0	.25
123	MP1C	Mx	-.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	6.049	5
2	MP2B	Z	3.493	5
3	MP2B	Mx	0	5
4	MP2C	X	3.218	5
5	MP2C	Z	1.858	5
6	MP2C	Mx	-.000805	5
7	MP2A	X	21.691	.5
8	MP2A	Z	12.523	.5
9	MP2A	Mx	-.019	.5
10	MP2A	X	21.691	6
11	MP2A	Z	12.523	6
12	MP2A	Mx	-.019	6
13	MP2B	X	26.541	.5
14	MP2B	Z	15.323	.5
15	MP2B	Mx	.02	.5
16	MP2B	X	26.541	6
17	MP2B	Z	15.323	6
18	MP2B	Mx	.02	6
19	MP2C	X	21.691	.5
20	MP2C	Z	12.523	.5
21	MP2C	Mx	.002	.5
22	MP2C	X	21.691	6
23	MP2C	Z	12.523	6
24	MP2C	Mx	.002	6
25	MP2A	X	21.691	.5
26	MP2A	Z	12.523	.5
27	MP2A	Mx	-.002	.5
28	MP2A	X	21.691	6
29	MP2A	Z	12.523	6
30	MP2A	Mx	-.002	6
31	MP2B	X	26.541	.5
32	MP2B	Z	15.323	.5
33	MP2B	Mx	-.02	.5
34	MP2B	X	26.541	6
35	MP2B	Z	15.323	6
36	MP2B	Mx	-.02	6
37	MP2C	X	21.691	.5
38	MP2C	Z	12.523	.5
39	MP2C	Mx	.019	.5
40	MP2C	X	21.691	6
41	MP2C	Z	12.523	6
42	MP2C	Mx	.019	6
43	MP3A	X	7.441	2.25
44	MP3A	Z	4.296	2.25
45	MP3A	Mx	-.004	2.25
46	MP3A	X	7.441	4.25
47	MP3A	Z	4.296	4.25
48	MP3A	Mx	-.004	4.25
49	MP3B	X	13.073	2.25
50	MP3B	Z	7.548	2.25
51	MP3B	Mx	0	2.25
52	MP3B	X	13.073	4.25
53	MP3B	Z	7.548	4.25
54	MP3B	Mx	0	4.25
55	MP3C	X	7.441	2.25
56	MP3C	Z	4.296	2.25
57	MP3C	Mx	.004	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	7.441	4.25
59	MP3C	Z	4.296	4.25
60	MP3C	Mx	.004	4.25
61	MP1A	X	8.496	2.5
62	MP1A	Z	4.905	2.5
63	MP1A	Mx	.004	2.5
64	MP1B	X	11.012	2.5
65	MP1B	Z	6.358	2.5
66	MP1B	Mx	0	2.5
67	MP1C	X	8.496	2.5
68	MP1C	Z	4.905	2.5
69	MP1C	Mx	-.004	2.5
70	MP2A	X	8.043	2.5
71	MP2A	Z	4.643	2.5
72	MP2A	Mx	.004	2.5
73	MP2B	X	11.012	2.5
74	MP2B	Z	6.358	2.5
75	MP2B	Mx	0	2.5
76	MP2C	X	8.043	2.5
77	MP2C	Z	4.643	2.5
78	MP2C	Mx	-.004	2.5
79	MP1A	X	13.108	2
80	MP1A	Z	7.568	2
81	MP1A	Mx	-.007	2
82	MP1A	X	13.108	4.5
83	MP1A	Z	7.568	4.5
84	MP1A	Mx	-.007	4.5
85	MP1B	X	7.784	2
86	MP1B	Z	4.494	2
87	MP1B	Mx	0	2
88	MP1B	X	7.784	4.5
89	MP1B	Z	4.494	4.5
90	MP1B	Mx	0	4.5
91	MP1C	X	13.108	2
92	MP1C	Z	7.568	2
93	MP1C	Mx	.007	2
94	MP1C	X	13.108	4.5
95	MP1C	Z	7.568	4.5
96	MP1C	Mx	.007	4.5
97	MP5A	X	13.108	2
98	MP5A	Z	7.568	2
99	MP5A	Mx	-.007	2
100	MP5A	X	13.108	4.5
101	MP5A	Z	7.568	4.5
102	MP5A	Mx	-.007	4.5
103	MP5B	X	7.784	2
104	MP5B	Z	4.494	2
105	MP5B	Mx	0	2
106	MP5B	X	7.784	4.5
107	MP5B	Z	4.494	4.5
108	MP5B	Mx	0	4.5
109	MP5C	X	13.108	2
110	MP5C	Z	7.568	2
111	MP5C	Mx	.007	2
112	MP5C	X	13.108	4.5
113	MP5C	Z	7.568	4.5
114	MP5C	Mx	.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4A	X	18.937	1.5
116	MP4A	Z	10.933	1.5
117	MP4A	Mx	.009	1.5
118	MP4B	X	22.643	1.5
119	MP4B	Z	13.073	1.5
120	MP4B	Mx	0	1.5
121	MP1C	X	5.134	.25
122	MP1C	Z	2.964	.25
123	MP1C	Mx	-.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	2.948	5
2	MP2B	Z	5.105	5
3	MP2B	Mx	.000737	5
4	MP2C	X	1.313	5
5	MP2C	Z	2.274	5
6	MP2C	Mx	-.000656	5
7	MP2A	X	14.39	.5
8	MP2A	Z	24.924	.5
9	MP2A	Mx	-.024	.5
10	MP2A	X	14.39	6
11	MP2A	Z	24.924	6
12	MP2A	Mx	-.024	6
13	MP2B	X	14.39	.5
14	MP2B	Z	24.924	.5
15	MP2B	Mx	.009	.5
16	MP2B	X	14.39	6
17	MP2B	Z	24.924	6
18	MP2B	Mx	.009	6
19	MP2C	X	11.59	.5
20	MP2C	Z	20.074	.5
21	MP2C	Mx	.012	.5
22	MP2C	X	11.59	6
23	MP2C	Z	20.074	6
24	MP2C	Mx	.012	6
25	MP2A	X	14.39	.5
26	MP2A	Z	24.924	.5
27	MP2A	Mx	.009	.5
28	MP2A	X	14.39	6
29	MP2A	Z	24.924	6
30	MP2A	Mx	.009	6
31	MP2B	X	14.39	.5
32	MP2B	Z	24.924	.5
33	MP2B	Mx	-.024	.5
34	MP2B	X	14.39	6
35	MP2B	Z	24.924	6
36	MP2B	Mx	-.024	6
37	MP2C	X	11.59	.5
38	MP2C	Z	20.074	.5
39	MP2C	Mx	.012	.5
40	MP2C	X	11.59	6
41	MP2C	Z	20.074	6
42	MP2C	Mx	.012	6
43	MP3A	X	6.464	2.25
44	MP3A	Z	11.196	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3A	Mx	-.003	2.25
46	MP3A	X	6.464	4.25
47	MP3A	Z	11.196	4.25
48	MP3A	Mx	-.003	4.25
49	MP3B	X	6.464	2.25
50	MP3B	Z	11.196	2.25
51	MP3B	Mx	-.003	2.25
52	MP3B	X	6.464	4.25
53	MP3B	Z	11.196	4.25
54	MP3B	Mx	-.003	4.25
55	MP3C	X	3.212	2.25
56	MP3C	Z	5.564	2.25
57	MP3C	Mx	.003	2.25
58	MP3C	X	3.212	4.25
59	MP3C	Z	5.564	4.25
60	MP3C	Mx	.003	4.25
61	MP1A	X	5.873	2.5
62	MP1A	Z	10.173	2.5
63	MP1A	Mx	.003	2.5
64	MP1B	X	5.873	2.5
65	MP1B	Z	10.173	2.5
66	MP1B	Mx	.003	2.5
67	MP1C	X	4.421	2.5
68	MP1C	Z	7.657	2.5
69	MP1C	Mx	-.004	2.5
70	MP2A	X	5.786	2.5
71	MP2A	Z	10.022	2.5
72	MP2A	Mx	.003	2.5
73	MP2B	X	5.786	2.5
74	MP2B	Z	10.022	2.5
75	MP2B	Mx	.003	2.5
76	MP2C	X	4.072	2.5
77	MP2C	Z	7.053	2.5
78	MP2C	Mx	-.004	2.5
79	MP1A	X	5.519	2
80	MP1A	Z	9.559	2
81	MP1A	Mx	-.003	2
82	MP1A	X	5.519	4.5
83	MP1A	Z	9.559	4.5
84	MP1A	Mx	-.003	4.5
85	MP1B	X	5.519	2
86	MP1B	Z	9.559	2
87	MP1B	Mx	-.003	2
88	MP1B	X	5.519	4.5
89	MP1B	Z	9.559	4.5
90	MP1B	Mx	-.003	4.5
91	MP1C	X	8.593	2
92	MP1C	Z	14.883	2
93	MP1C	Mx	.009	2
94	MP1C	X	8.593	4.5
95	MP1C	Z	14.883	4.5
96	MP1C	Mx	.009	4.5
97	MP5A	X	5.519	2
98	MP5A	Z	9.559	2
99	MP5A	Mx	-.003	2
100	MP5A	X	5.519	4.5
101	MP5A	Z	9.559	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP5A	Mx	-.003	4.5
103	MP5B	X	5.519	2
104	MP5B	Z	9.559	2
105	MP5B	Mx	-.003	2
106	MP5B	X	5.519	4.5
107	MP5B	Z	9.559	4.5
108	MP5B	Mx	-.003	4.5
109	MP5C	X	8.593	2
110	MP5C	Z	14.883	2
111	MP5C	Mx	.009	2
112	MP5C	X	8.593	4.5
113	MP5C	Z	14.883	4.5
114	MP5C	Mx	.009	4.5
115	MP4A	X	12.36	1.5
116	MP4A	Z	21.407	1.5
117	MP4A	Mx	.006	1.5
118	MP4B	X	12.36	1.5
119	MP4B	Z	21.407	1.5
120	MP4B	Mx	.006	1.5
121	MP1C	X	3.393	.25
122	MP1C	Z	5.876	.25
123	MP1C	Mx	-.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	5
2	MP2B	Z	3.716	5
3	MP2B	Mx	.000805	5
4	MP2C	X	0	5
5	MP2C	Z	3.716	5
6	MP2C	Mx	-.000805	5
7	MP2A	X	0	.5
8	MP2A	Z	30.646	.5
9	MP2A	Mx	-.02	.5
10	MP2A	X	0	6
11	MP2A	Z	30.646	6
12	MP2A	Mx	-.02	6
13	MP2B	X	0	.5
14	MP2B	Z	25.046	.5
15	MP2B	Mx	-.002	.5
16	MP2B	X	0	6
17	MP2B	Z	25.046	6
18	MP2B	Mx	-.002	6
19	MP2C	X	0	.5
20	MP2C	Z	25.046	.5
21	MP2C	Mx	.019	.5
22	MP2C	X	0	6
23	MP2C	Z	25.046	6
24	MP2C	Mx	.019	6
25	MP2A	X	0	.5
26	MP2A	Z	30.646	.5
27	MP2A	Mx	.02	.5
28	MP2A	X	0	6
29	MP2A	Z	30.646	6
30	MP2A	Mx	.02	6
31	MP2B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2B	Z	25.046	.5
33	MP2B	Mx	-.019	.5
34	MP2B	X	0	6
35	MP2B	Z	25.046	6
36	MP2B	Mx	-.019	6
37	MP2C	X	0	.5
38	MP2C	Z	25.046	.5
39	MP2C	Mx	.002	.5
40	MP2C	X	0	6
41	MP2C	Z	25.046	6
42	MP2C	Mx	.002	6
43	MP3A	X	0	2.25
44	MP3A	Z	15.096	2.25
45	MP3A	Mx	0	2.25
46	MP3A	X	0	4.25
47	MP3A	Z	15.096	4.25
48	MP3A	Mx	0	4.25
49	MP3B	X	0	2.25
50	MP3B	Z	8.592	2.25
51	MP3B	Mx	-.004	2.25
52	MP3B	X	0	4.25
53	MP3B	Z	8.592	4.25
54	MP3B	Mx	-.004	4.25
55	MP3C	X	0	2.25
56	MP3C	Z	8.592	2.25
57	MP3C	Mx	.004	2.25
58	MP3C	X	0	4.25
59	MP3C	Z	8.592	4.25
60	MP3C	Mx	.004	4.25
61	MP1A	X	0	2.5
62	MP1A	Z	12.716	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	9.81	2.5
66	MP1B	Mx	.004	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	9.81	2.5
69	MP1C	Mx	-.004	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	12.716	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	9.287	2.5
75	MP2B	Mx	.004	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	9.287	2.5
78	MP2C	Mx	-.004	2.5
79	MP1A	X	0	2
80	MP1A	Z	8.989	2
81	MP1A	Mx	0	2
82	MP1A	X	0	4.5
83	MP1A	Z	8.989	4.5
84	MP1A	Mx	0	4.5
85	MP1B	X	0	2
86	MP1B	Z	15.136	2
87	MP1B	Mx	-.007	2
88	MP1B	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1B	Z	15.136	4.5
90	MP1B	Mx	-.007	4.5
91	MP1C	X	0	2
92	MP1C	Z	15.136	2
93	MP1C	Mx	.007	2
94	MP1C	X	0	4.5
95	MP1C	Z	15.136	4.5
96	MP1C	Mx	.007	4.5
97	MP5A	X	0	2
98	MP5A	Z	8.989	2
99	MP5A	Mx	0	2
100	MP5A	X	0	4.5
101	MP5A	Z	8.989	4.5
102	MP5A	Mx	0	4.5
103	MP5B	X	0	2
104	MP5B	Z	15.136	2
105	MP5B	Mx	-.007	2
106	MP5B	X	0	4.5
107	MP5B	Z	15.136	4.5
108	MP5B	Mx	-.007	4.5
109	MP5C	X	0	2
110	MP5C	Z	15.136	2
111	MP5C	Mx	.007	2
112	MP5C	X	0	4.5
113	MP5C	Z	15.136	4.5
114	MP5C	Mx	.007	4.5
115	MP4A	X	0	1.5
116	MP4A	Z	26.145	1.5
117	MP4A	Mx	0	1.5
118	MP4B	X	0	1.5
119	MP4B	Z	21.867	1.5
120	MP4B	Mx	.009	1.5
121	MP1C	X	0	.25
122	MP1C	Z	5.928	.25
123	MP1C	Mx	-.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-1.313	5
2	MP2B	Z	2.274	5
3	MP2B	Mx	.000656	5
4	MP2C	X	-2.948	5
5	MP2C	Z	5.105	5
6	MP2C	Mx	-.000737	5
7	MP2A	X	-14.39	.5
8	MP2A	Z	24.924	.5
9	MP2A	Mx	-.009	.5
10	MP2A	X	-14.39	6
11	MP2A	Z	24.924	6
12	MP2A	Mx	-.009	6
13	MP2B	X	-11.59	.5
14	MP2B	Z	20.074	.5
15	MP2B	Mx	-.012	.5
16	MP2B	X	-11.59	6
17	MP2B	Z	20.074	6
18	MP2B	Mx	-.012	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2C	X	-14.39	.5
20	MP2C	Z	24.924	.5
21	MP2C	Mx	.024	.5
22	MP2C	X	-14.39	6
23	MP2C	Z	24.924	6
24	MP2C	Mx	.024	6
25	MP2A	X	-14.39	.5
26	MP2A	Z	24.924	.5
27	MP2A	Mx	.024	.5
28	MP2A	X	-14.39	6
29	MP2A	Z	24.924	6
30	MP2A	Mx	.024	6
31	MP2B	X	-11.59	.5
32	MP2B	Z	20.074	.5
33	MP2B	Mx	-.012	.5
34	MP2B	X	-11.59	6
35	MP2B	Z	20.074	6
36	MP2B	Mx	-.012	6
37	MP2C	X	-14.39	.5
38	MP2C	Z	24.924	.5
39	MP2C	Mx	-.009	.5
40	MP2C	X	-14.39	6
41	MP2C	Z	24.924	6
42	MP2C	Mx	-.009	6
43	MP3A	X	-6.464	2.25
44	MP3A	Z	11.196	2.25
45	MP3A	Mx	.003	2.25
46	MP3A	X	-6.464	4.25
47	MP3A	Z	11.196	4.25
48	MP3A	Mx	.003	4.25
49	MP3B	X	-3.212	2.25
50	MP3B	Z	5.564	2.25
51	MP3B	Mx	-.003	2.25
52	MP3B	X	-3.212	4.25
53	MP3B	Z	5.564	4.25
54	MP3B	Mx	-.003	4.25
55	MP3C	X	-6.464	2.25
56	MP3C	Z	11.196	2.25
57	MP3C	Mx	.003	2.25
58	MP3C	X	-6.464	4.25
59	MP3C	Z	11.196	4.25
60	MP3C	Mx	.003	4.25
61	MP1A	X	-5.873	2.5
62	MP1A	Z	10.173	2.5
63	MP1A	Mx	-.003	2.5
64	MP1B	X	-4.421	2.5
65	MP1B	Z	7.657	2.5
66	MP1B	Mx	.004	2.5
67	MP1C	X	-5.873	2.5
68	MP1C	Z	10.173	2.5
69	MP1C	Mx	-.003	2.5
70	MP2A	X	-5.786	2.5
71	MP2A	Z	10.022	2.5
72	MP2A	Mx	-.003	2.5
73	MP2B	X	-4.072	2.5
74	MP2B	Z	7.053	2.5
75	MP2B	Mx	.004	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2C	X	-5.786	2.5
77	MP2C	Z	10.022	2.5
78	MP2C	Mx	-.003	2.5
79	MP1A	X	-5.519	2
80	MP1A	Z	9.559	2
81	MP1A	Mx	.003	2
82	MP1A	X	-5.519	4.5
83	MP1A	Z	9.559	4.5
84	MP1A	Mx	.003	4.5
85	MP1B	X	-8.593	2
86	MP1B	Z	14.883	2
87	MP1B	Mx	-.009	2
88	MP1B	X	-8.593	4.5
89	MP1B	Z	14.883	4.5
90	MP1B	Mx	-.009	4.5
91	MP1C	X	-5.519	2
92	MP1C	Z	9.559	2
93	MP1C	Mx	.003	2
94	MP1C	X	-5.519	4.5
95	MP1C	Z	9.559	4.5
96	MP1C	Mx	.003	4.5
97	MP5A	X	-5.519	2
98	MP5A	Z	9.559	2
99	MP5A	Mx	.003	2
100	MP5A	X	-5.519	4.5
101	MP5A	Z	9.559	4.5
102	MP5A	Mx	.003	4.5
103	MP5B	X	-8.593	2
104	MP5B	Z	14.883	2
105	MP5B	Mx	-.009	2
106	MP5B	X	-8.593	4.5
107	MP5B	Z	14.883	4.5
108	MP5B	Mx	-.009	4.5
109	MP5C	X	-5.519	2
110	MP5C	Z	9.559	2
111	MP5C	Mx	.003	2
112	MP5C	X	-5.519	4.5
113	MP5C	Z	9.559	4.5
114	MP5C	Mx	.003	4.5
115	MP4A	X	-12.36	1.5
116	MP4A	Z	21.407	1.5
117	MP4A	Mx	-.006	1.5
118	MP4B	X	-10.22	1.5
119	MP4B	Z	17.702	1.5
120	MP4B	Mx	.01	1.5
121	MP1C	X	-2.107	.25
122	MP1C	Z	3.65	.25
123	MP1C	Mx	-.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-3.218	5
2	MP2B	Z	1.858	5
3	MP2B	Mx	.000805	5
4	MP2C	X	-6.049	5
5	MP2C	Z	3.493	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2C	Mx	0	5
7	MP2A	X	-21.691	.5
8	MP2A	Z	12.523	.5
9	MP2A	Mx	.002	.5
10	MP2A	X	-21.691	6
11	MP2A	Z	12.523	6
12	MP2A	Mx	.002	6
13	MP2B	X	-21.691	.5
14	MP2B	Z	12.523	.5
15	MP2B	Mx	-.019	.5
16	MP2B	X	-21.691	6
17	MP2B	Z	12.523	6
18	MP2B	Mx	-.019	6
19	MP2C	X	-26.541	.5
20	MP2C	Z	15.323	.5
21	MP2C	Mx	.02	.5
22	MP2C	X	-26.541	6
23	MP2C	Z	15.323	6
24	MP2C	Mx	.02	6
25	MP2A	X	-21.691	.5
26	MP2A	Z	12.523	.5
27	MP2A	Mx	.019	.5
28	MP2A	X	-21.691	6
29	MP2A	Z	12.523	6
30	MP2A	Mx	.019	6
31	MP2B	X	-21.691	.5
32	MP2B	Z	12.523	.5
33	MP2B	Mx	-.002	.5
34	MP2B	X	-21.691	6
35	MP2B	Z	12.523	6
36	MP2B	Mx	-.002	6
37	MP2C	X	-26.541	.5
38	MP2C	Z	15.323	.5
39	MP2C	Mx	-.02	.5
40	MP2C	X	-26.541	6
41	MP2C	Z	15.323	6
42	MP2C	Mx	-.02	6
43	MP3A	X	-7.441	2.25
44	MP3A	Z	4.296	2.25
45	MP3A	Mx	.004	2.25
46	MP3A	X	-7.441	4.25
47	MP3A	Z	4.296	4.25
48	MP3A	Mx	.004	4.25
49	MP3B	X	-7.441	2.25
50	MP3B	Z	4.296	2.25
51	MP3B	Mx	-.004	2.25
52	MP3B	X	-7.441	4.25
53	MP3B	Z	4.296	4.25
54	MP3B	Mx	-.004	4.25
55	MP3C	X	-13.073	2.25
56	MP3C	Z	7.548	2.25
57	MP3C	Mx	0	2.25
58	MP3C	X	-13.073	4.25
59	MP3C	Z	7.548	4.25
60	MP3C	Mx	0	4.25
61	MP1A	X	-8.496	2.5
62	MP1A	Z	4.905	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1A	Mx	-.004	2.5
64	MP1B	X	-8.496	2.5
65	MP1B	Z	4.905	2.5
66	MP1B	Mx	.004	2.5
67	MP1C	X	-11.012	2.5
68	MP1C	Z	6.358	2.5
69	MP1C	Mx	0	2.5
70	MP2A	X	-8.043	2.5
71	MP2A	Z	4.643	2.5
72	MP2A	Mx	-.004	2.5
73	MP2B	X	-8.043	2.5
74	MP2B	Z	4.643	2.5
75	MP2B	Mx	.004	2.5
76	MP2C	X	-11.012	2.5
77	MP2C	Z	6.358	2.5
78	MP2C	Mx	0	2.5
79	MP1A	X	-13.108	2
80	MP1A	Z	7.568	2
81	MP1A	Mx	.007	2
82	MP1A	X	-13.108	4.5
83	MP1A	Z	7.568	4.5
84	MP1A	Mx	.007	4.5
85	MP1B	X	-13.108	2
86	MP1B	Z	7.568	2
87	MP1B	Mx	-.007	2
88	MP1B	X	-13.108	4.5
89	MP1B	Z	7.568	4.5
90	MP1B	Mx	-.007	4.5
91	MP1C	X	-7.784	2
92	MP1C	Z	4.494	2
93	MP1C	Mx	0	2
94	MP1C	X	-7.784	4.5
95	MP1C	Z	4.494	4.5
96	MP1C	Mx	0	4.5
97	MP5A	X	-13.108	2
98	MP5A	Z	7.568	2
99	MP5A	Mx	.007	2
100	MP5A	X	-13.108	4.5
101	MP5A	Z	7.568	4.5
102	MP5A	Mx	.007	4.5
103	MP5B	X	-13.108	2
104	MP5B	Z	7.568	2
105	MP5B	Mx	-.007	2
106	MP5B	X	-13.108	4.5
107	MP5B	Z	7.568	4.5
108	MP5B	Mx	-.007	4.5
109	MP5C	X	-7.784	2
110	MP5C	Z	4.494	2
111	MP5C	Mx	0	2
112	MP5C	X	-7.784	4.5
113	MP5C	Z	4.494	4.5
114	MP5C	Mx	0	4.5
115	MP4A	X	-18.937	1.5
116	MP4A	Z	10.933	1.5
117	MP4A	Mx	-.009	1.5
118	MP4B	X	-18.937	1.5
119	MP4B	Z	10.933	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4B	Mx	.009	1.5
121	MP1C	X	-2.908	.25
122	MP1C	Z	1.679	.25
123	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-5.895	5
2	MP2B	Z	0	5
3	MP2B	Mx	.000737	5
4	MP2C	X	-5.895	5
5	MP2C	Z	0	5
6	MP2C	Mx	.000737	5
7	MP2A	X	-23.18	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.012	.5
10	MP2A	X	-23.18	6
11	MP2A	Z	0	6
12	MP2A	Mx	.012	6
13	MP2B	X	-28.78	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	-.024	.5
16	MP2B	X	-28.78	6
17	MP2B	Z	0	6
18	MP2B	Mx	-.024	6
19	MP2C	X	-28.78	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	.009	.5
22	MP2C	X	-28.78	6
23	MP2C	Z	0	6
24	MP2C	Mx	.009	6
25	MP2A	X	-23.18	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	.012	.5
28	MP2A	X	-23.18	6
29	MP2A	Z	0	6
30	MP2A	Mx	.012	6
31	MP2B	X	-28.78	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	.009	.5
34	MP2B	X	-28.78	6
35	MP2B	Z	0	6
36	MP2B	Mx	.009	6
37	MP2C	X	-28.78	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	-.024	.5
40	MP2C	X	-28.78	6
41	MP2C	Z	0	6
42	MP2C	Mx	-.024	6
43	MP3A	X	-6.425	2.25
44	MP3A	Z	0	2.25
45	MP3A	Mx	.003	2.25
46	MP3A	X	-6.425	4.25
47	MP3A	Z	0	4.25
48	MP3A	Mx	.003	4.25
49	MP3B	X	-12.928	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3B	Z	0	2.25
51	MP3B	Mx	-.003	2.25
52	MP3B	X	-12.928	4.25
53	MP3B	Z	0	4.25
54	MP3B	Mx	-.003	4.25
55	MP3C	X	-12.928	2.25
56	MP3C	Z	0	2.25
57	MP3C	Mx	-.003	2.25
58	MP3C	X	-12.928	4.25
59	MP3C	Z	0	4.25
60	MP3C	Mx	-.003	4.25
61	MP1A	X	-8.841	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	-.004	2.5
64	MP1B	X	-11.747	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	.003	2.5
67	MP1C	X	-11.747	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	.003	2.5
70	MP2A	X	-8.144	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	-.004	2.5
73	MP2B	X	-11.573	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	.003	2.5
76	MP2C	X	-11.573	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	.003	2.5
79	MP1A	X	-17.186	2
80	MP1A	Z	0	2
81	MP1A	Mx	.009	2
82	MP1A	X	-17.186	4.5
83	MP1A	Z	0	4.5
84	MP1A	Mx	.009	4.5
85	MP1B	X	-11.038	2
86	MP1B	Z	0	2
87	MP1B	Mx	-.003	2
88	MP1B	X	-11.038	4.5
89	MP1B	Z	0	4.5
90	MP1B	Mx	-.003	4.5
91	MP1C	X	-11.038	2
92	MP1C	Z	0	2
93	MP1C	Mx	-.003	2
94	MP1C	X	-11.038	4.5
95	MP1C	Z	0	4.5
96	MP1C	Mx	-.003	4.5
97	MP5A	X	-17.186	2
98	MP5A	Z	0	2
99	MP5A	Mx	.009	2
100	MP5A	X	-17.186	4.5
101	MP5A	Z	0	4.5
102	MP5A	Mx	.009	4.5
103	MP5B	X	-11.038	2
104	MP5B	Z	0	2
105	MP5B	Mx	-.003	2
106	MP5B	X	-11.038	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP5B	Z	0	4.5
108	MP5B	Mx	-.003	4.5
109	MP5C	X	-11.038	2
110	MP5C	Z	0	2
111	MP5C	Mx	-.003	2
112	MP5C	X	-11.038	4.5
113	MP5C	Z	0	4.5
114	MP5C	Mx	-.003	4.5
115	MP4A	X	-20.44	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	-.01	1.5
118	MP4B	X	-24.719	1.5
119	MP4B	Z	0	1.5
120	MP4B	Mx	.006	1.5
121	MP1C	X	-4.215	.25
122	MP1C	Z	0	.25
123	MP1C	Mx	.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-6.049	5
2	MP2B	Z	-3.493	5
3	MP2B	Mx	0	5
4	MP2C	X	-3.218	5
5	MP2C	Z	-1.858	5
6	MP2C	Mx	.000805	5
7	MP2A	X	-21.691	.5
8	MP2A	Z	-12.523	.5
9	MP2A	Mx	.019	.5
10	MP2A	X	-21.691	6
11	MP2A	Z	-12.523	6
12	MP2A	Mx	.019	6
13	MP2B	X	-26.541	.5
14	MP2B	Z	-15.323	.5
15	MP2B	Mx	-.02	.5
16	MP2B	X	-26.541	6
17	MP2B	Z	-15.323	6
18	MP2B	Mx	-.02	6
19	MP2C	X	-21.691	.5
20	MP2C	Z	-12.523	.5
21	MP2C	Mx	-.002	.5
22	MP2C	X	-21.691	6
23	MP2C	Z	-12.523	6
24	MP2C	Mx	-.002	6
25	MP2A	X	-21.691	.5
26	MP2A	Z	-12.523	.5
27	MP2A	Mx	.002	.5
28	MP2A	X	-21.691	6
29	MP2A	Z	-12.523	6
30	MP2A	Mx	.002	6
31	MP2B	X	-26.541	.5
32	MP2B	Z	-15.323	.5
33	MP2B	Mx	.02	.5
34	MP2B	X	-26.541	6
35	MP2B	Z	-15.323	6
36	MP2B	Mx	.02	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2C	X	-21.691	.5
38	MP2C	Z	-12.523	.5
39	MP2C	Mx	-.019	.5
40	MP2C	X	-21.691	6
41	MP2C	Z	-12.523	6
42	MP2C	Mx	-.019	6
43	MP3A	X	-7.441	2.25
44	MP3A	Z	-4.296	2.25
45	MP3A	Mx	.004	2.25
46	MP3A	X	-7.441	4.25
47	MP3A	Z	-4.296	4.25
48	MP3A	Mx	.004	4.25
49	MP3B	X	-13.073	2.25
50	MP3B	Z	-7.548	2.25
51	MP3B	Mx	0	2.25
52	MP3B	X	-13.073	4.25
53	MP3B	Z	-7.548	4.25
54	MP3B	Mx	0	4.25
55	MP3C	X	-7.441	2.25
56	MP3C	Z	-4.296	2.25
57	MP3C	Mx	-.004	2.25
58	MP3C	X	-7.441	4.25
59	MP3C	Z	-4.296	4.25
60	MP3C	Mx	-.004	4.25
61	MP1A	X	-8.496	2.5
62	MP1A	Z	-4.905	2.5
63	MP1A	Mx	-.004	2.5
64	MP1B	X	-11.012	2.5
65	MP1B	Z	-6.358	2.5
66	MP1B	Mx	0	2.5
67	MP1C	X	-8.496	2.5
68	MP1C	Z	-4.905	2.5
69	MP1C	Mx	.004	2.5
70	MP2A	X	-8.043	2.5
71	MP2A	Z	-4.643	2.5
72	MP2A	Mx	-.004	2.5
73	MP2B	X	-11.012	2.5
74	MP2B	Z	-6.358	2.5
75	MP2B	Mx	0	2.5
76	MP2C	X	-8.043	2.5
77	MP2C	Z	-4.643	2.5
78	MP2C	Mx	.004	2.5
79	MP1A	X	-13.108	2
80	MP1A	Z	-7.568	2
81	MP1A	Mx	.007	2
82	MP1A	X	-13.108	4.5
83	MP1A	Z	-7.568	4.5
84	MP1A	Mx	.007	4.5
85	MP1B	X	-7.784	2
86	MP1B	Z	-4.494	2
87	MP1B	Mx	0	2
88	MP1B	X	-7.784	4.5
89	MP1B	Z	-4.494	4.5
90	MP1B	Mx	0	4.5
91	MP1C	X	-13.108	2
92	MP1C	Z	-7.568	2
93	MP1C	Mx	-.007	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1C	X	-13.108	4.5
95	MP1C	Z	-7.568	4.5
96	MP1C	Mx	-.007	4.5
97	MP5A	X	-13.108	2
98	MP5A	Z	-7.568	2
99	MP5A	Mx	.007	2
100	MP5A	X	-13.108	4.5
101	MP5A	Z	-7.568	4.5
102	MP5A	Mx	.007	4.5
103	MP5B	X	-7.784	2
104	MP5B	Z	-4.494	2
105	MP5B	Mx	0	2
106	MP5B	X	-7.784	4.5
107	MP5B	Z	-4.494	4.5
108	MP5B	Mx	0	4.5
109	MP5C	X	-13.108	2
110	MP5C	Z	-7.568	2
111	MP5C	Mx	-.007	2
112	MP5C	X	-13.108	4.5
113	MP5C	Z	-7.568	4.5
114	MP5C	Mx	-.007	4.5
115	MP4A	X	-18.937	1.5
116	MP4A	Z	-10.933	1.5
117	MP4A	Mx	-.009	1.5
118	MP4B	X	-22.643	1.5
119	MP4B	Z	-13.073	1.5
120	MP4B	Mx	0	1.5
121	MP1C	X	-5.134	.25
122	MP1C	Z	-2.964	.25
123	MP1C	Mx	.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-2.948	5
2	MP2B	Z	-5.105	5
3	MP2B	Mx	-.000737	5
4	MP2C	X	-1.313	5
5	MP2C	Z	-2.274	5
6	MP2C	Mx	.000656	5
7	MP2A	X	-14.39	.5
8	MP2A	Z	-24.924	.5
9	MP2A	Mx	.024	.5
10	MP2A	X	-14.39	6
11	MP2A	Z	-24.924	6
12	MP2A	Mx	.024	6
13	MP2B	X	-14.39	.5
14	MP2B	Z	-24.924	.5
15	MP2B	Mx	-.009	.5
16	MP2B	X	-14.39	6
17	MP2B	Z	-24.924	6
18	MP2B	Mx	-.009	6
19	MP2C	X	-11.59	.5
20	MP2C	Z	-20.074	.5
21	MP2C	Mx	-.012	.5
22	MP2C	X	-11.59	6
23	MP2C	Z	-20.074	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2C	Mx	-.012	6
25	MP2A	X	-14.39	.5
26	MP2A	Z	-24.924	.5
27	MP2A	Mx	-.009	.5
28	MP2A	X	-14.39	6
29	MP2A	Z	-24.924	6
30	MP2A	Mx	-.009	6
31	MP2B	X	-14.39	.5
32	MP2B	Z	-24.924	.5
33	MP2B	Mx	.024	.5
34	MP2B	X	-14.39	6
35	MP2B	Z	-24.924	6
36	MP2B	Mx	.024	6
37	MP2C	X	-11.59	.5
38	MP2C	Z	-20.074	.5
39	MP2C	Mx	-.012	.5
40	MP2C	X	-11.59	6
41	MP2C	Z	-20.074	6
42	MP2C	Mx	-.012	6
43	MP3A	X	-6.464	2.25
44	MP3A	Z	-11.196	2.25
45	MP3A	Mx	.003	2.25
46	MP3A	X	-6.464	4.25
47	MP3A	Z	-11.196	4.25
48	MP3A	Mx	.003	4.25
49	MP3B	X	-6.464	2.25
50	MP3B	Z	-11.196	2.25
51	MP3B	Mx	.003	2.25
52	MP3B	X	-6.464	4.25
53	MP3B	Z	-11.196	4.25
54	MP3B	Mx	.003	4.25
55	MP3C	X	-3.212	2.25
56	MP3C	Z	-5.564	2.25
57	MP3C	Mx	-.003	2.25
58	MP3C	X	-3.212	4.25
59	MP3C	Z	-5.564	4.25
60	MP3C	Mx	-.003	4.25
61	MP1A	X	-5.873	2.5
62	MP1A	Z	-10.173	2.5
63	MP1A	Mx	-.003	2.5
64	MP1B	X	-5.873	2.5
65	MP1B	Z	-10.173	2.5
66	MP1B	Mx	-.003	2.5
67	MP1C	X	-4.421	2.5
68	MP1C	Z	-7.657	2.5
69	MP1C	Mx	.004	2.5
70	MP2A	X	-5.786	2.5
71	MP2A	Z	-10.022	2.5
72	MP2A	Mx	-.003	2.5
73	MP2B	X	-5.786	2.5
74	MP2B	Z	-10.022	2.5
75	MP2B	Mx	-.003	2.5
76	MP2C	X	-4.072	2.5
77	MP2C	Z	-7.053	2.5
78	MP2C	Mx	.004	2.5
79	MP1A	X	-5.519	2
80	MP1A	Z	-9.559	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	.003	2
82	MP1A	X	-5.519	4.5
83	MP1A	Z	-9.559	4.5
84	MP1A	Mx	.003	4.5
85	MP1B	X	-5.519	2
86	MP1B	Z	-9.559	2
87	MP1B	Mx	.003	2
88	MP1B	X	-5.519	4.5
89	MP1B	Z	-9.559	4.5
90	MP1B	Mx	.003	4.5
91	MP1C	X	-8.593	2
92	MP1C	Z	-14.883	2
93	MP1C	Mx	-.009	2
94	MP1C	X	-8.593	4.5
95	MP1C	Z	-14.883	4.5
96	MP1C	Mx	-.009	4.5
97	MP5A	X	-5.519	2
98	MP5A	Z	-9.559	2
99	MP5A	Mx	.003	2
100	MP5A	X	-5.519	4.5
101	MP5A	Z	-9.559	4.5
102	MP5A	Mx	.003	4.5
103	MP5B	X	-5.519	2
104	MP5B	Z	-9.559	2
105	MP5B	Mx	.003	2
106	MP5B	X	-5.519	4.5
107	MP5B	Z	-9.559	4.5
108	MP5B	Mx	.003	4.5
109	MP5C	X	-8.593	2
110	MP5C	Z	-14.883	2
111	MP5C	Mx	-.009	2
112	MP5C	X	-8.593	4.5
113	MP5C	Z	-14.883	4.5
114	MP5C	Mx	-.009	4.5
115	MP4A	X	-12.36	1.5
116	MP4A	Z	-21.407	1.5
117	MP4A	Mx	-.006	1.5
118	MP4B	X	-12.36	1.5
119	MP4B	Z	-21.407	1.5
120	MP4B	Mx	-.006	1.5
121	MP1C	X	-3.393	.25
122	MP1C	Z	-5.876	.25
123	MP1C	Mx	.003	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	5
2	MP2B	Z	-.939	5
3	MP2B	Mx	-.000203	5
4	MP2C	X	0	5
5	MP2C	Z	-.939	5
6	MP2C	Mx	.000203	5
7	MP2A	X	0	.5
8	MP2A	Z	-4.853	.5
9	MP2A	Mx	.003	.5
10	MP2A	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	-4.853	6
12	MP2A	Mx	.003	6
13	MP2B	X	0	.5
14	MP2B	Z	-3.937	.5
15	MP2B	Mx	.000392	.5
16	MP2B	X	0	6
17	MP2B	Z	-3.937	6
18	MP2B	Mx	.000392	6
19	MP2C	X	0	.5
20	MP2C	Z	-3.937	.5
21	MP2C	Mx	-.003	.5
22	MP2C	X	0	6
23	MP2C	Z	-3.937	6
24	MP2C	Mx	-.003	6
25	MP2A	X	0	.5
26	MP2A	Z	-4.853	.5
27	MP2A	Mx	-.003	.5
28	MP2A	X	0	6
29	MP2A	Z	-4.853	6
30	MP2A	Mx	-.003	6
31	MP2B	X	0	.5
32	MP2B	Z	-3.937	.5
33	MP2B	Mx	.003	.5
34	MP2B	X	0	6
35	MP2B	Z	-3.937	6
36	MP2B	Mx	.003	6
37	MP2C	X	0	.5
38	MP2C	Z	-3.937	.5
39	MP2C	Mx	-.000392	.5
40	MP2C	X	0	6
41	MP2C	Z	-3.937	6
42	MP2C	Mx	-.000392	6
43	MP3A	X	0	2.25
44	MP3A	Z	-4.017	2.25
45	MP3A	Mx	0	2.25
46	MP3A	X	0	4.25
47	MP3A	Z	-4.017	4.25
48	MP3A	Mx	0	4.25
49	MP3B	X	0	2.25
50	MP3B	Z	-2.042	2.25
51	MP3B	Mx	.000884	2.25
52	MP3B	X	0	4.25
53	MP3B	Z	-2.042	4.25
54	MP3B	Mx	.000884	4.25
55	MP3C	X	0	2.25
56	MP3C	Z	-2.042	2.25
57	MP3C	Mx	-.000884	2.25
58	MP3C	X	0	4.25
59	MP3C	Z	-2.042	4.25
60	MP3C	Mx	-.000884	4.25
61	MP1A	X	0	2.5
62	MP1A	Z	-3.177	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	-2.393	2.5
66	MP1B	Mx	-.001	2.5
67	MP1C	X	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	-2.393	2.5
69	MP1C	Mx	.001	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	-3.177	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	-2.239	2.5
75	MP2B	Mx	-.00097	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	-2.239	2.5
78	MP2C	Mx	.00097	2.5
79	MP1A	X	0	2
80	MP1A	Z	-2.675	2
81	MP1A	Mx	0	2
82	MP1A	X	0	4.5
83	MP1A	Z	-2.675	4.5
84	MP1A	Mx	0	4.5
85	MP1B	X	0	2
86	MP1B	Z	-4.818	2
87	MP1B	Mx	.002	2
88	MP1B	X	0	4.5
89	MP1B	Z	-4.818	4.5
90	MP1B	Mx	.002	4.5
91	MP1C	X	0	2
92	MP1C	Z	-4.818	2
93	MP1C	Mx	-.002	2
94	MP1C	X	0	4.5
95	MP1C	Z	-4.818	4.5
96	MP1C	Mx	-.002	4.5
97	MP5A	X	0	2
98	MP5A	Z	-2.675	2
99	MP5A	Mx	0	2
100	MP5A	X	0	4.5
101	MP5A	Z	-2.675	4.5
102	MP5A	Mx	0	4.5
103	MP5B	X	0	2
104	MP5B	Z	-4.818	2
105	MP5B	Mx	.002	2
106	MP5B	X	0	4.5
107	MP5B	Z	-4.818	4.5
108	MP5B	Mx	.002	4.5
109	MP5C	X	0	2
110	MP5C	Z	-4.818	2
111	MP5C	Mx	-.002	2
112	MP5C	X	0	4.5
113	MP5C	Z	-4.818	4.5
114	MP5C	Mx	-.002	4.5
115	MP4A	X	0	1.5
116	MP4A	Z	-6.497	1.5
117	MP4A	Mx	0	1.5
118	MP4B	X	0	1.5
119	MP4B	Z	-5.329	1.5
120	MP4B	Mx	-.002	1.5
121	MP1C	X	0	.25
122	MP1C	Z	-1.921	.25
123	MP1C	Mx	.000832	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	.298	5
2	MP2B	Z	-.517	5
3	MP2B	Mx	-.000149	5
4	MP2C	X	.812	5
5	MP2C	Z	-1.407	5
6	MP2C	Mx	.000203	5
7	MP2A	X	2.274	.5
8	MP2A	Z	-3.938	.5
9	MP2A	Mx	.001	.5
10	MP2A	X	2.274	6
11	MP2A	Z	-3.938	6
12	MP2A	Mx	.001	6
13	MP2B	X	1.816	.5
14	MP2B	Z	-3.145	.5
15	MP2B	Mx	.002	.5
16	MP2B	X	1.816	6
17	MP2B	Z	-3.145	6
18	MP2B	Mx	.002	6
19	MP2C	X	2.274	.5
20	MP2C	Z	-3.938	.5
21	MP2C	Mx	-.004	.5
22	MP2C	X	2.274	6
23	MP2C	Z	-3.938	6
24	MP2C	Mx	-.004	6
25	MP2A	X	2.274	.5
26	MP2A	Z	-3.938	.5
27	MP2A	Mx	-.004	.5
28	MP2A	X	2.274	6
29	MP2A	Z	-3.938	6
30	MP2A	Mx	-.004	6
31	MP2B	X	1.816	.5
32	MP2B	Z	-3.145	.5
33	MP2B	Mx	.002	.5
34	MP2B	X	1.816	6
35	MP2B	Z	-3.145	6
36	MP2B	Mx	.002	6
37	MP2C	X	2.274	.5
38	MP2C	Z	-3.938	.5
39	MP2C	Mx	.001	.5
40	MP2C	X	2.274	6
41	MP2C	Z	-3.938	6
42	MP2C	Mx	.001	6
43	MP3A	X	1.679	2.25
44	MP3A	Z	-2.909	2.25
45	MP3A	Mx	-.00084	2.25
46	MP3A	X	1.679	4.25
47	MP3A	Z	-2.909	4.25
48	MP3A	Mx	-.00084	4.25
49	MP3B	X	.692	2.25
50	MP3B	Z	-1.198	2.25
51	MP3B	Mx	.000692	2.25
52	MP3B	X	.692	4.25
53	MP3B	Z	-1.198	4.25
54	MP3B	Mx	.000692	4.25
55	MP3C	X	1.679	2.25
56	MP3C	Z	-2.909	2.25
57	MP3C	Mx	-.00084	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	1.679	4.25
59	MP3C	Z	-2.909	4.25
60	MP3C	Mx	-.00084	4.25
61	MP1A	X	1.458	2.5
62	MP1A	Z	-2.525	2.5
63	MP1A	Mx	.000729	2.5
64	MP1B	X	1.066	2.5
65	MP1B	Z	-1.846	2.5
66	MP1B	Mx	-.001	2.5
67	MP1C	X	1.458	2.5
68	MP1C	Z	-2.525	2.5
69	MP1C	Mx	.000729	2.5
70	MP2A	X	1.432	2.5
71	MP2A	Z	-2.481	2.5
72	MP2A	Mx	.000716	2.5
73	MP2B	X	.963	2.5
74	MP2B	Z	-1.668	2.5
75	MP2B	Mx	-.000963	2.5
76	MP2C	X	1.432	2.5
77	MP2C	Z	-2.481	2.5
78	MP2C	Mx	.000716	2.5
79	MP1A	X	1.695	2
80	MP1A	Z	-2.935	2
81	MP1A	Mx	-.000848	2
82	MP1A	X	1.695	4.5
83	MP1A	Z	-2.935	4.5
84	MP1A	Mx	-.000848	4.5
85	MP1B	X	2.766	2
86	MP1B	Z	-4.791	2
87	MP1B	Mx	.003	2
88	MP1B	X	2.766	4.5
89	MP1B	Z	-4.791	4.5
90	MP1B	Mx	.003	4.5
91	MP1C	X	1.695	2
92	MP1C	Z	-2.935	2
93	MP1C	Mx	-.000847	2
94	MP1C	X	1.695	4.5
95	MP1C	Z	-2.935	4.5
96	MP1C	Mx	-.000847	4.5
97	MP5A	X	1.695	2
98	MP5A	Z	-2.935	2
99	MP5A	Mx	-.000848	2
100	MP5A	X	1.695	4.5
101	MP5A	Z	-2.935	4.5
102	MP5A	Mx	-.000848	4.5
103	MP5B	X	2.766	2
104	MP5B	Z	-4.791	2
105	MP5B	Mx	.003	2
106	MP5B	X	2.766	4.5
107	MP5B	Z	-4.791	4.5
108	MP5B	Mx	.003	4.5
109	MP5C	X	1.695	2
110	MP5C	Z	-2.935	2
111	MP5C	Mx	-.000847	2
112	MP5C	X	1.695	4.5
113	MP5C	Z	-2.935	4.5
114	MP5C	Mx	-.000847	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4A	X	3.054	1.5
116	MP4A	Z	-5.289	1.5
117	MP4A	Mx	.002	1.5
118	MP4B	X	2.47	1.5
119	MP4B	Z	-4.278	1.5
120	MP4B	Mx	-.002	1.5
121	MP1C	X	1.003	.25
122	MP1C	Z	-1.738	.25
123	MP1C	Mx	.000502	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	.814	5
2	MP2B	Z	-.47	5
3	MP2B	Mx	-.000204	5
4	MP2C	X	1.704	5
5	MP2C	Z	-.984	5
6	MP2C	Mx	0	5
7	MP2A	X	3.41	.5
8	MP2A	Z	-1.969	.5
9	MP2A	Mx	-.000392	.5
10	MP2A	X	3.41	6
11	MP2A	Z	-1.969	6
12	MP2A	Mx	-.000392	6
13	MP2B	X	3.41	.5
14	MP2B	Z	-1.969	.5
15	MP2B	Mx	.003	.5
16	MP2B	X	3.41	6
17	MP2B	Z	-1.969	6
18	MP2B	Mx	.003	6
19	MP2C	X	4.203	.5
20	MP2C	Z	-2.426	.5
21	MP2C	Mx	-.003	.5
22	MP2C	X	4.203	6
23	MP2C	Z	-2.426	6
24	MP2C	Mx	-.003	6
25	MP2A	X	3.41	.5
26	MP2A	Z	-1.969	.5
27	MP2A	Mx	-.003	.5
28	MP2A	X	3.41	6
29	MP2A	Z	-1.969	6
30	MP2A	Mx	-.003	6
31	MP2B	X	3.41	.5
32	MP2B	Z	-1.969	.5
33	MP2B	Mx	.000393	.5
34	MP2B	X	3.41	6
35	MP2B	Z	-1.969	6
36	MP2B	Mx	.000393	6
37	MP2C	X	4.203	.5
38	MP2C	Z	-2.426	.5
39	MP2C	Mx	.003	.5
40	MP2C	X	4.203	6
41	MP2C	Z	-2.426	6
42	MP2C	Mx	.003	6
43	MP3A	X	1.768	2.25
44	MP3A	Z	-1.021	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3A	Mx	-.000884	2.25
46	MP3A	X	1.768	4.25
47	MP3A	Z	-1.021	4.25
48	MP3A	Mx	-.000884	4.25
49	MP3B	X	1.768	2.25
50	MP3B	Z	-1.021	2.25
51	MP3B	Mx	.000884	2.25
52	MP3B	X	1.768	4.25
53	MP3B	Z	-1.021	4.25
54	MP3B	Mx	.000884	4.25
55	MP3C	X	3.479	2.25
56	MP3C	Z	-2.009	2.25
57	MP3C	Mx	0	2.25
58	MP3C	X	3.479	4.25
59	MP3C	Z	-2.009	4.25
60	MP3C	Mx	0	4.25
61	MP1A	X	2.072	2.5
62	MP1A	Z	-1.196	2.5
63	MP1A	Mx	.001	2.5
64	MP1B	X	2.072	2.5
65	MP1B	Z	-1.196	2.5
66	MP1B	Mx	-.001	2.5
67	MP1C	X	2.751	2.5
68	MP1C	Z	-1.588	2.5
69	MP1C	Mx	0	2.5
70	MP2A	X	1.939	2.5
71	MP2A	Z	-1.12	2.5
72	MP2A	Mx	.00097	2.5
73	MP2B	X	1.939	2.5
74	MP2B	Z	-1.12	2.5
75	MP2B	Mx	-.00097	2.5
76	MP2C	X	2.751	2.5
77	MP2C	Z	-1.588	2.5
78	MP2C	Mx	0	2.5
79	MP1A	X	4.173	2
80	MP1A	Z	-2.409	2
81	MP1A	Mx	-.002	2
82	MP1A	X	4.173	4.5
83	MP1A	Z	-2.409	4.5
84	MP1A	Mx	-.002	4.5
85	MP1B	X	4.173	2
86	MP1B	Z	-2.409	2
87	MP1B	Mx	.002	2
88	MP1B	X	4.173	4.5
89	MP1B	Z	-2.409	4.5
90	MP1B	Mx	.002	4.5
91	MP1C	X	2.316	2
92	MP1C	Z	-1.337	2
93	MP1C	Mx	0	2
94	MP1C	X	2.316	4.5
95	MP1C	Z	-1.337	4.5
96	MP1C	Mx	0	4.5
97	MP5A	X	4.173	2
98	MP5A	Z	-2.409	2
99	MP5A	Mx	-.002	2
100	MP5A	X	4.173	4.5
101	MP5A	Z	-2.409	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP5A	Mx	-.002	4.5
103	MP5B	X	4.173	2
104	MP5B	Z	-2.409	2
105	MP5B	Mx	.002	2
106	MP5B	X	4.173	4.5
107	MP5B	Z	-2.409	4.5
108	MP5B	Mx	.002	4.5
109	MP5C	X	2.316	2
110	MP5C	Z	-1.337	2
111	MP5C	Mx	0	2
112	MP5C	X	2.316	4.5
113	MP5C	Z	-1.337	4.5
114	MP5C	Mx	0	4.5
115	MP4A	X	4.615	1.5
116	MP4A	Z	-2.664	1.5
117	MP4A	Mx	.002	1.5
118	MP4B	X	4.615	1.5
119	MP4B	Z	-2.664	1.5
120	MP4B	Mx	-.002	1.5
121	MP1C	X	1.775	.25
122	MP1C	Z	-1.025	.25
123	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	1.625	5
2	MP2B	Z	0	5
3	MP2B	Mx	-.000203	5
4	MP2C	X	1.625	5
5	MP2C	Z	0	5
6	MP2C	Mx	-.000203	5
7	MP2A	X	3.632	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	-.002	.5
10	MP2A	X	3.632	6
11	MP2A	Z	0	6
12	MP2A	Mx	-.002	6
13	MP2B	X	4.548	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	.004	.5
16	MP2B	X	4.548	6
17	MP2B	Z	0	6
18	MP2B	Mx	.004	6
19	MP2C	X	4.548	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	-.001	.5
22	MP2C	X	4.548	6
23	MP2C	Z	0	6
24	MP2C	Mx	-.001	6
25	MP2A	X	3.632	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	-.002	.5
28	MP2A	X	3.632	6
29	MP2A	Z	0	6
30	MP2A	Mx	-.002	6
31	MP2B	X	4.548	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2B	Z	0	.5
33	MP2B	Mx	-.001	.5
34	MP2B	X	4.548	6
35	MP2B	Z	0	6
36	MP2B	Mx	-.001	6
37	MP2C	X	4.548	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	.004	.5
40	MP2C	X	4.548	6
41	MP2C	Z	0	6
42	MP2C	Mx	.004	6
43	MP3A	X	1.383	2.25
44	MP3A	Z	0	2.25
45	MP3A	Mx	-.000692	2.25
46	MP3A	X	1.383	4.25
47	MP3A	Z	0	4.25
48	MP3A	Mx	-.000692	4.25
49	MP3B	X	3.359	2.25
50	MP3B	Z	0	2.25
51	MP3B	Mx	.00084	2.25
52	MP3B	X	3.359	4.25
53	MP3B	Z	0	4.25
54	MP3B	Mx	.00084	4.25
55	MP3C	X	3.359	2.25
56	MP3C	Z	0	2.25
57	MP3C	Mx	.00084	2.25
58	MP3C	X	3.359	4.25
59	MP3C	Z	0	4.25
60	MP3C	Mx	.00084	4.25
61	MP1A	X	2.132	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	.001	2.5
64	MP1B	X	2.916	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	-.000729	2.5
67	MP1C	X	2.916	2.5
68	MP1C	Z	0	2.5
69	MP1C	Mx	-.000729	2.5
70	MP2A	X	1.927	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	.000964	2.5
73	MP2B	X	2.864	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	-.000716	2.5
76	MP2C	X	2.864	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	-.000716	2.5
79	MP1A	X	5.533	2
80	MP1A	Z	0	2
81	MP1A	Mx	-.003	2
82	MP1A	X	5.533	4.5
83	MP1A	Z	0	4.5
84	MP1A	Mx	-.003	4.5
85	MP1B	X	3.389	2
86	MP1B	Z	0	2
87	MP1B	Mx	.000847	2
88	MP1B	X	3.389	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1B	Z	0	4.5
90	MP1B	Mx	.000847	4.5
91	MP1C	X	3.389	2
92	MP1C	Z	0	2
93	MP1C	Mx	.000847	2
94	MP1C	X	3.389	4.5
95	MP1C	Z	0	4.5
96	MP1C	Mx	.000847	4.5
97	MP5A	X	5.533	2
98	MP5A	Z	0	2
99	MP5A	Mx	-.003	2
100	MP5A	X	5.533	4.5
101	MP5A	Z	0	4.5
102	MP5A	Mx	-.003	4.5
103	MP5B	X	3.389	2
104	MP5B	Z	0	2
105	MP5B	Mx	.000847	2
106	MP5B	X	3.389	4.5
107	MP5B	Z	0	4.5
108	MP5B	Mx	.000847	4.5
109	MP5C	X	3.389	2
110	MP5C	Z	0	2
111	MP5C	Mx	.000847	2
112	MP5C	X	3.389	4.5
113	MP5C	Z	0	4.5
114	MP5C	Mx	.000847	4.5
115	MP4A	X	4.939	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	.002	1.5
118	MP4B	X	6.108	1.5
119	MP4B	Z	0	1.5
120	MP4B	Mx	-.002	1.5
121	MP1C	X	2.007	.25
122	MP1C	Z	0	.25
123	MP1C	Mx	-.000502	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	1.704	5
2	MP2B	Z	.984	5
3	MP2B	Mx	0	5
4	MP2C	X	.814	5
5	MP2C	Z	.47	5
6	MP2C	Mx	-.000204	5
7	MP2A	X	3.41	.5
8	MP2A	Z	1.969	.5
9	MP2A	Mx	-.003	.5
10	MP2A	X	3.41	6
11	MP2A	Z	1.969	6
12	MP2A	Mx	-.003	6
13	MP2B	X	4.203	.5
14	MP2B	Z	2.426	.5
15	MP2B	Mx	.003	.5
16	MP2B	X	4.203	6
17	MP2B	Z	2.426	6
18	MP2B	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2C	X	3.41	.5
20	MP2C	Z	1.969	.5
21	MP2C	Mx	.000393	.5
22	MP2C	X	3.41	6
23	MP2C	Z	1.969	6
24	MP2C	Mx	.000393	6
25	MP2A	X	3.41	.5
26	MP2A	Z	1.969	.5
27	MP2A	Mx	-.000392	.5
28	MP2A	X	3.41	6
29	MP2A	Z	1.969	6
30	MP2A	Mx	-.000392	6
31	MP2B	X	4.203	.5
32	MP2B	Z	2.426	.5
33	MP2B	Mx	-.003	.5
34	MP2B	X	4.203	6
35	MP2B	Z	2.426	6
36	MP2B	Mx	-.003	6
37	MP2C	X	3.41	.5
38	MP2C	Z	1.969	.5
39	MP2C	Mx	.003	.5
40	MP2C	X	3.41	6
41	MP2C	Z	1.969	6
42	MP2C	Mx	.003	6
43	MP3A	X	1.768	2.25
44	MP3A	Z	1.021	2.25
45	MP3A	Mx	-.000884	2.25
46	MP3A	X	1.768	4.25
47	MP3A	Z	1.021	4.25
48	MP3A	Mx	-.000884	4.25
49	MP3B	X	3.479	2.25
50	MP3B	Z	2.009	2.25
51	MP3B	Mx	0	2.25
52	MP3B	X	3.479	4.25
53	MP3B	Z	2.009	4.25
54	MP3B	Mx	0	4.25
55	MP3C	X	1.768	2.25
56	MP3C	Z	1.021	2.25
57	MP3C	Mx	.000884	2.25
58	MP3C	X	1.768	4.25
59	MP3C	Z	1.021	4.25
60	MP3C	Mx	.000884	4.25
61	MP1A	X	2.072	2.5
62	MP1A	Z	1.196	2.5
63	MP1A	Mx	.001	2.5
64	MP1B	X	2.751	2.5
65	MP1B	Z	1.588	2.5
66	MP1B	Mx	0	2.5
67	MP1C	X	2.072	2.5
68	MP1C	Z	1.196	2.5
69	MP1C	Mx	-.001	2.5
70	MP2A	X	1.939	2.5
71	MP2A	Z	1.12	2.5
72	MP2A	Mx	.00097	2.5
73	MP2B	X	2.751	2.5
74	MP2B	Z	1.588	2.5
75	MP2B	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP2C	X	1.939	2.5
77	MP2C	Z	1.12	2.5
78	MP2C	Mx	-.00097	2.5
79	MP1A	X	4.173	2
80	MP1A	Z	2.409	2
81	MP1A	Mx	-.002	2
82	MP1A	X	4.173	4.5
83	MP1A	Z	2.409	4.5
84	MP1A	Mx	-.002	4.5
85	MP1B	X	2.316	2
86	MP1B	Z	1.337	2
87	MP1B	Mx	0	2
88	MP1B	X	2.316	4.5
89	MP1B	Z	1.337	4.5
90	MP1B	Mx	0	4.5
91	MP1C	X	4.173	2
92	MP1C	Z	2.409	2
93	MP1C	Mx	.002	2
94	MP1C	X	4.173	4.5
95	MP1C	Z	2.409	4.5
96	MP1C	Mx	.002	4.5
97	MP5A	X	4.173	2
98	MP5A	Z	2.409	2
99	MP5A	Mx	-.002	2
100	MP5A	X	4.173	4.5
101	MP5A	Z	2.409	4.5
102	MP5A	Mx	-.002	4.5
103	MP5B	X	2.316	2
104	MP5B	Z	1.337	2
105	MP5B	Mx	0	2
106	MP5B	X	2.316	4.5
107	MP5B	Z	1.337	4.5
108	MP5B	Mx	0	4.5
109	MP5C	X	4.173	2
110	MP5C	Z	2.409	2
111	MP5C	Mx	.002	2
112	MP5C	X	4.173	4.5
113	MP5C	Z	2.409	4.5
114	MP5C	Mx	.002	4.5
115	MP4A	X	4.615	1.5
116	MP4A	Z	2.664	1.5
117	MP4A	Mx	.002	1.5
118	MP4B	X	5.627	1.5
119	MP4B	Z	3.249	1.5
120	MP4B	Mx	0	1.5
121	MP1C	X	1.664	.25
122	MP1C	Z	.961	.25
123	MP1C	Mx	-.000832	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	.812	5
2	MP2B	Z	1.407	5
3	MP2B	Mx	.000203	5
4	MP2C	X	.298	5
5	MP2C	Z	.517	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP2C	Mx	-.000149	5
7	MP2A	X	2.274	.5
8	MP2A	Z	3.938	.5
9	MP2A	Mx	-.004	.5
10	MP2A	X	2.274	6
11	MP2A	Z	3.938	6
12	MP2A	Mx	-.004	6
13	MP2B	X	2.274	.5
14	MP2B	Z	3.938	.5
15	MP2B	Mx	.001	.5
16	MP2B	X	2.274	6
17	MP2B	Z	3.938	6
18	MP2B	Mx	.001	6
19	MP2C	X	1.816	.5
20	MP2C	Z	3.145	.5
21	MP2C	Mx	.002	.5
22	MP2C	X	1.816	6
23	MP2C	Z	3.145	6
24	MP2C	Mx	.002	6
25	MP2A	X	2.274	.5
26	MP2A	Z	3.938	.5
27	MP2A	Mx	.001	.5
28	MP2A	X	2.274	6
29	MP2A	Z	3.938	6
30	MP2A	Mx	.001	6
31	MP2B	X	2.274	.5
32	MP2B	Z	3.938	.5
33	MP2B	Mx	-.004	.5
34	MP2B	X	2.274	6
35	MP2B	Z	3.938	6
36	MP2B	Mx	-.004	6
37	MP2C	X	1.816	.5
38	MP2C	Z	3.145	.5
39	MP2C	Mx	.002	.5
40	MP2C	X	1.816	6
41	MP2C	Z	3.145	6
42	MP2C	Mx	.002	6
43	MP3A	X	1.679	2.25
44	MP3A	Z	2.909	2.25
45	MP3A	Mx	-.00084	2.25
46	MP3A	X	1.679	4.25
47	MP3A	Z	2.909	4.25
48	MP3A	Mx	-.00084	4.25
49	MP3B	X	1.679	2.25
50	MP3B	Z	2.909	2.25
51	MP3B	Mx	-.00084	2.25
52	MP3B	X	1.679	4.25
53	MP3B	Z	2.909	4.25
54	MP3B	Mx	-.00084	4.25
55	MP3C	X	.692	2.25
56	MP3C	Z	1.198	2.25
57	MP3C	Mx	.000692	2.25
58	MP3C	X	.692	4.25
59	MP3C	Z	1.198	4.25
60	MP3C	Mx	.000692	4.25
61	MP1A	X	1.458	2.5
62	MP1A	Z	2.525	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1A	Mx	.000729	2.5
64	MP1B	X	1.458	2.5
65	MP1B	Z	2.525	2.5
66	MP1B	Mx	.000729	2.5
67	MP1C	X	1.066	2.5
68	MP1C	Z	1.846	2.5
69	MP1C	Mx	-.001	2.5
70	MP2A	X	1.432	2.5
71	MP2A	Z	2.481	2.5
72	MP2A	Mx	.000716	2.5
73	MP2B	X	1.432	2.5
74	MP2B	Z	2.481	2.5
75	MP2B	Mx	.000716	2.5
76	MP2C	X	.963	2.5
77	MP2C	Z	1.668	2.5
78	MP2C	Mx	-.000963	2.5
79	MP1A	X	1.695	2
80	MP1A	Z	2.935	2
81	MP1A	Mx	-.000848	2
82	MP1A	X	1.695	4.5
83	MP1A	Z	2.935	4.5
84	MP1A	Mx	-.000848	4.5
85	MP1B	X	1.695	2
86	MP1B	Z	2.935	2
87	MP1B	Mx	-.000847	2
88	MP1B	X	1.695	4.5
89	MP1B	Z	2.935	4.5
90	MP1B	Mx	-.000847	4.5
91	MP1C	X	2.766	2
92	MP1C	Z	4.791	2
93	MP1C	Mx	.003	2
94	MP1C	X	2.766	4.5
95	MP1C	Z	4.791	4.5
96	MP1C	Mx	.003	4.5
97	MP5A	X	1.695	2
98	MP5A	Z	2.935	2
99	MP5A	Mx	-.000848	2
100	MP5A	X	1.695	4.5
101	MP5A	Z	2.935	4.5
102	MP5A	Mx	-.000848	4.5
103	MP5B	X	1.695	2
104	MP5B	Z	2.935	2
105	MP5B	Mx	-.000847	2
106	MP5B	X	1.695	4.5
107	MP5B	Z	2.935	4.5
108	MP5B	Mx	-.000847	4.5
109	MP5C	X	2.766	2
110	MP5C	Z	4.791	2
111	MP5C	Mx	.003	2
112	MP5C	X	2.766	4.5
113	MP5C	Z	4.791	4.5
114	MP5C	Mx	.003	4.5
115	MP4A	X	3.054	1.5
116	MP4A	Z	5.289	1.5
117	MP4A	Mx	.002	1.5
118	MP4B	X	3.054	1.5
119	MP4B	Z	5.289	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP4B	Mx	.002	1.5
121	MP1C	X	.939	.25
122	MP1C	Z	1.627	.25
123	MP1C	Mx	-.000939	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	5
2	MP2B	Z	.939	5
3	MP2B	Mx	.000203	5
4	MP2C	X	0	5
5	MP2C	Z	.939	5
6	MP2C	Mx	-.000203	5
7	MP2A	X	0	.5
8	MP2A	Z	4.853	.5
9	MP2A	Mx	-.003	.5
10	MP2A	X	0	6
11	MP2A	Z	4.853	6
12	MP2A	Mx	-.003	6
13	MP2B	X	0	.5
14	MP2B	Z	3.937	.5
15	MP2B	Mx	-.000392	.5
16	MP2B	X	0	6
17	MP2B	Z	3.937	6
18	MP2B	Mx	-.000392	6
19	MP2C	X	0	.5
20	MP2C	Z	3.937	.5
21	MP2C	Mx	.003	.5
22	MP2C	X	0	6
23	MP2C	Z	3.937	6
24	MP2C	Mx	.003	6
25	MP2A	X	0	.5
26	MP2A	Z	4.853	.5
27	MP2A	Mx	.003	.5
28	MP2A	X	0	6
29	MP2A	Z	4.853	6
30	MP2A	Mx	.003	6
31	MP2B	X	0	.5
32	MP2B	Z	3.937	.5
33	MP2B	Mx	-.003	.5
34	MP2B	X	0	6
35	MP2B	Z	3.937	6
36	MP2B	Mx	-.003	6
37	MP2C	X	0	.5
38	MP2C	Z	3.937	.5
39	MP2C	Mx	.000392	.5
40	MP2C	X	0	6
41	MP2C	Z	3.937	6
42	MP2C	Mx	.000392	6
43	MP3A	X	0	2.25
44	MP3A	Z	4.017	2.25
45	MP3A	Mx	0	2.25
46	MP3A	X	0	4.25
47	MP3A	Z	4.017	4.25
48	MP3A	Mx	0	4.25
49	MP3B	X	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP3B	Z	2.042	2.25
51	MP3B	Mx	-.000884	2.25
52	MP3B	X	0	4.25
53	MP3B	Z	2.042	4.25
54	MP3B	Mx	-.000884	4.25
55	MP3C	X	0	2.25
56	MP3C	Z	2.042	2.25
57	MP3C	Mx	.000884	2.25
58	MP3C	X	0	4.25
59	MP3C	Z	2.042	4.25
60	MP3C	Mx	.000884	4.25
61	MP1A	X	0	2.5
62	MP1A	Z	3.177	2.5
63	MP1A	Mx	0	2.5
64	MP1B	X	0	2.5
65	MP1B	Z	2.393	2.5
66	MP1B	Mx	.001	2.5
67	MP1C	X	0	2.5
68	MP1C	Z	2.393	2.5
69	MP1C	Mx	-.001	2.5
70	MP2A	X	0	2.5
71	MP2A	Z	3.177	2.5
72	MP2A	Mx	0	2.5
73	MP2B	X	0	2.5
74	MP2B	Z	2.239	2.5
75	MP2B	Mx	.00097	2.5
76	MP2C	X	0	2.5
77	MP2C	Z	2.239	2.5
78	MP2C	Mx	-.00097	2.5
79	MP1A	X	0	2
80	MP1A	Z	2.675	2
81	MP1A	Mx	0	2
82	MP1A	X	0	4.5
83	MP1A	Z	2.675	4.5
84	MP1A	Mx	0	4.5
85	MP1B	X	0	2
86	MP1B	Z	4.818	2
87	MP1B	Mx	-.002	2
88	MP1B	X	0	4.5
89	MP1B	Z	4.818	4.5
90	MP1B	Mx	-.002	4.5
91	MP1C	X	0	2
92	MP1C	Z	4.818	2
93	MP1C	Mx	.002	2
94	MP1C	X	0	4.5
95	MP1C	Z	4.818	4.5
96	MP1C	Mx	.002	4.5
97	MP5A	X	0	2
98	MP5A	Z	2.675	2
99	MP5A	Mx	0	2
100	MP5A	X	0	4.5
101	MP5A	Z	2.675	4.5
102	MP5A	Mx	0	4.5
103	MP5B	X	0	2
104	MP5B	Z	4.818	2
105	MP5B	Mx	-.002	2
106	MP5B	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
107	MP5B	Z	4.818	4.5
108	MP5B	Mx	-.002	4.5
109	MP5C	X	0	2
110	MP5C	Z	4.818	2
111	MP5C	Mx	.002	2
112	MP5C	X	0	4.5
113	MP5C	Z	4.818	4.5
114	MP5C	Mx	.002	4.5
115	MP4A	X	0	1.5
116	MP4A	Z	6.497	1.5
117	MP4A	Mx	0	1.5
118	MP4B	X	0	1.5
119	MP4B	Z	5.329	1.5
120	MP4B	Mx	.002	1.5
121	MP1C	X	0	.25
122	MP1C	Z	1.921	.25
123	MP1C	Mx	-.000832	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-.298	5
2	MP2B	Z	.517	5
3	MP2B	Mx	.000149	5
4	MP2C	X	-.812	5
5	MP2C	Z	1.407	5
6	MP2C	Mx	-.000203	5
7	MP2A	X	-2.274	.5
8	MP2A	Z	3.938	.5
9	MP2A	Mx	-.001	.5
10	MP2A	X	-2.274	6
11	MP2A	Z	3.938	6
12	MP2A	Mx	-.001	6
13	MP2B	X	-1.816	.5
14	MP2B	Z	3.145	.5
15	MP2B	Mx	-.002	.5
16	MP2B	X	-1.816	6
17	MP2B	Z	3.145	6
18	MP2B	Mx	-.002	6
19	MP2C	X	-2.274	.5
20	MP2C	Z	3.938	.5
21	MP2C	Mx	.004	.5
22	MP2C	X	-2.274	6
23	MP2C	Z	3.938	6
24	MP2C	Mx	.004	6
25	MP2A	X	-2.274	.5
26	MP2A	Z	3.938	.5
27	MP2A	Mx	.004	.5
28	MP2A	X	-2.274	6
29	MP2A	Z	3.938	6
30	MP2A	Mx	.004	6
31	MP2B	X	-1.816	.5
32	MP2B	Z	3.145	.5
33	MP2B	Mx	-.002	.5
34	MP2B	X	-1.816	6
35	MP2B	Z	3.145	6
36	MP2B	Mx	-.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP2C	X	-2.274	.5
38	MP2C	Z	3.938	.5
39	MP2C	Mx	-.001	.5
40	MP2C	X	-2.274	6
41	MP2C	Z	3.938	6
42	MP2C	Mx	-.001	6
43	MP3A	X	-1.679	2.25
44	MP3A	Z	2.909	2.25
45	MP3A	Mx	.00084	2.25
46	MP3A	X	-1.679	4.25
47	MP3A	Z	2.909	4.25
48	MP3A	Mx	.00084	4.25
49	MP3B	X	-.692	2.25
50	MP3B	Z	1.198	2.25
51	MP3B	Mx	-.000692	2.25
52	MP3B	X	-.692	4.25
53	MP3B	Z	1.198	4.25
54	MP3B	Mx	-.000692	4.25
55	MP3C	X	-1.679	2.25
56	MP3C	Z	2.909	2.25
57	MP3C	Mx	.00084	2.25
58	MP3C	X	-1.679	4.25
59	MP3C	Z	2.909	4.25
60	MP3C	Mx	.00084	4.25
61	MP1A	X	-1.458	2.5
62	MP1A	Z	2.525	2.5
63	MP1A	Mx	-.000729	2.5
64	MP1B	X	-1.066	2.5
65	MP1B	Z	1.846	2.5
66	MP1B	Mx	.001	2.5
67	MP1C	X	-1.458	2.5
68	MP1C	Z	2.525	2.5
69	MP1C	Mx	-.000729	2.5
70	MP2A	X	-1.432	2.5
71	MP2A	Z	2.481	2.5
72	MP2A	Mx	-.000716	2.5
73	MP2B	X	-.963	2.5
74	MP2B	Z	1.668	2.5
75	MP2B	Mx	.000963	2.5
76	MP2C	X	-1.432	2.5
77	MP2C	Z	2.481	2.5
78	MP2C	Mx	-.000716	2.5
79	MP1A	X	-1.695	2
80	MP1A	Z	2.935	2
81	MP1A	Mx	.000848	2
82	MP1A	X	-1.695	4.5
83	MP1A	Z	2.935	4.5
84	MP1A	Mx	.000848	4.5
85	MP1B	X	-2.766	2
86	MP1B	Z	4.791	2
87	MP1B	Mx	-.003	2
88	MP1B	X	-2.766	4.5
89	MP1B	Z	4.791	4.5
90	MP1B	Mx	-.003	4.5
91	MP1C	X	-1.695	2
92	MP1C	Z	2.935	2
93	MP1C	Mx	.000847	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1C	X	-1.695	4.5
95	MP1C	Z	2.935	4.5
96	MP1C	Mx	.000847	4.5
97	MP5A	X	-1.695	2
98	MP5A	Z	2.935	2
99	MP5A	Mx	.000848	2
100	MP5A	X	-1.695	4.5
101	MP5A	Z	2.935	4.5
102	MP5A	Mx	.000848	4.5
103	MP5B	X	-2.766	2
104	MP5B	Z	4.791	2
105	MP5B	Mx	-.003	2
106	MP5B	X	-2.766	4.5
107	MP5B	Z	4.791	4.5
108	MP5B	Mx	-.003	4.5
109	MP5C	X	-1.695	2
110	MP5C	Z	2.935	2
111	MP5C	Mx	.000847	2
112	MP5C	X	-1.695	4.5
113	MP5C	Z	2.935	4.5
114	MP5C	Mx	.000847	4.5
115	MP4A	X	-3.054	1.5
116	MP4A	Z	5.289	1.5
117	MP4A	Mx	-.002	1.5
118	MP4B	X	-2.47	1.5
119	MP4B	Z	4.278	1.5
120	MP4B	Mx	.002	1.5
121	MP1C	X	-1.003	.25
122	MP1C	Z	1.738	.25
123	MP1C	Mx	-.000502	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-.814	5
2	MP2B	Z	.47	5
3	MP2B	Mx	.000204	5
4	MP2C	X	-1.704	5
5	MP2C	Z	.984	5
6	MP2C	Mx	0	5
7	MP2A	X	-3.41	.5
8	MP2A	Z	1.969	.5
9	MP2A	Mx	.000392	.5
10	MP2A	X	-3.41	6
11	MP2A	Z	1.969	6
12	MP2A	Mx	.000392	6
13	MP2B	X	-3.41	.5
14	MP2B	Z	1.969	.5
15	MP2B	Mx	-.003	.5
16	MP2B	X	-3.41	6
17	MP2B	Z	1.969	6
18	MP2B	Mx	-.003	6
19	MP2C	X	-4.203	.5
20	MP2C	Z	2.426	.5
21	MP2C	Mx	.003	.5
22	MP2C	X	-4.203	6
23	MP2C	Z	2.426	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2C	Mx	.003	6
25	MP2A	X	-3.41	.5
26	MP2A	Z	1.969	.5
27	MP2A	Mx	.003	.5
28	MP2A	X	-3.41	6
29	MP2A	Z	1.969	6
30	MP2A	Mx	.003	6
31	MP2B	X	-3.41	.5
32	MP2B	Z	1.969	.5
33	MP2B	Mx	-.000393	.5
34	MP2B	X	-3.41	6
35	MP2B	Z	1.969	6
36	MP2B	Mx	-.000393	6
37	MP2C	X	-4.203	.5
38	MP2C	Z	2.426	.5
39	MP2C	Mx	-.003	.5
40	MP2C	X	-4.203	6
41	MP2C	Z	2.426	6
42	MP2C	Mx	-.003	6
43	MP3A	X	-1.768	2.25
44	MP3A	Z	1.021	2.25
45	MP3A	Mx	.000884	2.25
46	MP3A	X	-1.768	4.25
47	MP3A	Z	1.021	4.25
48	MP3A	Mx	.000884	4.25
49	MP3B	X	-1.768	2.25
50	MP3B	Z	1.021	2.25
51	MP3B	Mx	-.000884	2.25
52	MP3B	X	-1.768	4.25
53	MP3B	Z	1.021	4.25
54	MP3B	Mx	-.000884	4.25
55	MP3C	X	-3.479	2.25
56	MP3C	Z	2.009	2.25
57	MP3C	Mx	0	2.25
58	MP3C	X	-3.479	4.25
59	MP3C	Z	2.009	4.25
60	MP3C	Mx	0	4.25
61	MP1A	X	-2.072	2.5
62	MP1A	Z	1.196	2.5
63	MP1A	Mx	-.001	2.5
64	MP1B	X	-2.072	2.5
65	MP1B	Z	1.196	2.5
66	MP1B	Mx	.001	2.5
67	MP1C	X	-2.751	2.5
68	MP1C	Z	1.588	2.5
69	MP1C	Mx	0	2.5
70	MP2A	X	-1.939	2.5
71	MP2A	Z	1.12	2.5
72	MP2A	Mx	-.00097	2.5
73	MP2B	X	-1.939	2.5
74	MP2B	Z	1.12	2.5
75	MP2B	Mx	.00097	2.5
76	MP2C	X	-2.751	2.5
77	MP2C	Z	1.588	2.5
78	MP2C	Mx	0	2.5
79	MP1A	X	-4.173	2
80	MP1A	Z	2.409	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1A	Mx	.002	2
82	MP1A	X	-4.173	4.5
83	MP1A	Z	2.409	4.5
84	MP1A	Mx	.002	4.5
85	MP1B	X	-4.173	2
86	MP1B	Z	2.409	2
87	MP1B	Mx	-.002	2
88	MP1B	X	-4.173	4.5
89	MP1B	Z	2.409	4.5
90	MP1B	Mx	-.002	4.5
91	MP1C	X	-2.316	2
92	MP1C	Z	1.337	2
93	MP1C	Mx	0	2
94	MP1C	X	-2.316	4.5
95	MP1C	Z	1.337	4.5
96	MP1C	Mx	0	4.5
97	MP5A	X	-4.173	2
98	MP5A	Z	2.409	2
99	MP5A	Mx	.002	2
100	MP5A	X	-4.173	4.5
101	MP5A	Z	2.409	4.5
102	MP5A	Mx	.002	4.5
103	MP5B	X	-4.173	2
104	MP5B	Z	2.409	2
105	MP5B	Mx	-.002	2
106	MP5B	X	-4.173	4.5
107	MP5B	Z	2.409	4.5
108	MP5B	Mx	-.002	4.5
109	MP5C	X	-2.316	2
110	MP5C	Z	1.337	2
111	MP5C	Mx	0	2
112	MP5C	X	-2.316	4.5
113	MP5C	Z	1.337	4.5
114	MP5C	Mx	0	4.5
115	MP4A	X	-4.615	1.5
116	MP4A	Z	2.664	1.5
117	MP4A	Mx	-.002	1.5
118	MP4B	X	-4.615	1.5
119	MP4B	Z	2.664	1.5
120	MP4B	Mx	.002	1.5
121	MP1C	X	-1.775	.25
122	MP1C	Z	1.025	.25
123	MP1C	Mx	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-1.625	5
2	MP2B	Z	0	5
3	MP2B	Mx	.000203	5
4	MP2C	X	-1.625	5
5	MP2C	Z	0	5
6	MP2C	Mx	.000203	5
7	MP2A	X	-3.632	.5
8	MP2A	Z	0	.5
9	MP2A	Mx	.002	.5
10	MP2A	X	-3.632	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2A	Z	0	6
12	MP2A	Mx	.002	6
13	MP2B	X	-4.548	.5
14	MP2B	Z	0	.5
15	MP2B	Mx	-.004	.5
16	MP2B	X	-4.548	6
17	MP2B	Z	0	6
18	MP2B	Mx	-.004	6
19	MP2C	X	-4.548	.5
20	MP2C	Z	0	.5
21	MP2C	Mx	.001	.5
22	MP2C	X	-4.548	6
23	MP2C	Z	0	6
24	MP2C	Mx	.001	6
25	MP2A	X	-3.632	.5
26	MP2A	Z	0	.5
27	MP2A	Mx	.002	.5
28	MP2A	X	-3.632	6
29	MP2A	Z	0	6
30	MP2A	Mx	.002	6
31	MP2B	X	-4.548	.5
32	MP2B	Z	0	.5
33	MP2B	Mx	.001	.5
34	MP2B	X	-4.548	6
35	MP2B	Z	0	6
36	MP2B	Mx	.001	6
37	MP2C	X	-4.548	.5
38	MP2C	Z	0	.5
39	MP2C	Mx	-.004	.5
40	MP2C	X	-4.548	6
41	MP2C	Z	0	6
42	MP2C	Mx	-.004	6
43	MP3A	X	-1.383	2.25
44	MP3A	Z	0	2.25
45	MP3A	Mx	.000692	2.25
46	MP3A	X	-1.383	4.25
47	MP3A	Z	0	4.25
48	MP3A	Mx	.000692	4.25
49	MP3B	X	-3.359	2.25
50	MP3B	Z	0	2.25
51	MP3B	Mx	-.00084	2.25
52	MP3B	X	-3.359	4.25
53	MP3B	Z	0	4.25
54	MP3B	Mx	-.00084	4.25
55	MP3C	X	-3.359	2.25
56	MP3C	Z	0	2.25
57	MP3C	Mx	-.00084	2.25
58	MP3C	X	-3.359	4.25
59	MP3C	Z	0	4.25
60	MP3C	Mx	-.00084	4.25
61	MP1A	X	-2.132	2.5
62	MP1A	Z	0	2.5
63	MP1A	Mx	-.001	2.5
64	MP1B	X	-2.916	2.5
65	MP1B	Z	0	2.5
66	MP1B	Mx	.000729	2.5
67	MP1C	X	-2.916	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	0	2.5
69	MP1C	Mx	.000729	2.5
70	MP2A	X	-1.927	2.5
71	MP2A	Z	0	2.5
72	MP2A	Mx	-.000964	2.5
73	MP2B	X	-2.864	2.5
74	MP2B	Z	0	2.5
75	MP2B	Mx	.000716	2.5
76	MP2C	X	-2.864	2.5
77	MP2C	Z	0	2.5
78	MP2C	Mx	.000716	2.5
79	MP1A	X	-5.533	2
80	MP1A	Z	0	2
81	MP1A	Mx	.003	2
82	MP1A	X	-5.533	4.5
83	MP1A	Z	0	4.5
84	MP1A	Mx	.003	4.5
85	MP1B	X	-3.389	2
86	MP1B	Z	0	2
87	MP1B	Mx	-.000847	2
88	MP1B	X	-3.389	4.5
89	MP1B	Z	0	4.5
90	MP1B	Mx	-.000847	4.5
91	MP1C	X	-3.389	2
92	MP1C	Z	0	2
93	MP1C	Mx	-.000847	2
94	MP1C	X	-3.389	4.5
95	MP1C	Z	0	4.5
96	MP1C	Mx	-.000847	4.5
97	MP5A	X	-5.533	2
98	MP5A	Z	0	2
99	MP5A	Mx	.003	2
100	MP5A	X	-5.533	4.5
101	MP5A	Z	0	4.5
102	MP5A	Mx	.003	4.5
103	MP5B	X	-3.389	2
104	MP5B	Z	0	2
105	MP5B	Mx	-.000847	2
106	MP5B	X	-3.389	4.5
107	MP5B	Z	0	4.5
108	MP5B	Mx	-.000847	4.5
109	MP5C	X	-3.389	2
110	MP5C	Z	0	2
111	MP5C	Mx	-.000847	2
112	MP5C	X	-3.389	4.5
113	MP5C	Z	0	4.5
114	MP5C	Mx	-.000847	4.5
115	MP4A	X	-4.939	1.5
116	MP4A	Z	0	1.5
117	MP4A	Mx	-.002	1.5
118	MP4B	X	-6.108	1.5
119	MP4B	Z	0	1.5
120	MP4B	Mx	.002	1.5
121	MP1C	X	-2.007	.25
122	MP1C	Z	0	.25
123	MP1C	Mx	.000502	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-1.704	5
2	MP2B	Z	-.984	5
3	MP2B	Mx	0	5
4	MP2C	X	-.814	5
5	MP2C	Z	-.47	5
6	MP2C	Mx	.000204	5
7	MP2A	X	-3.41	.5
8	MP2A	Z	-1.969	.5
9	MP2A	Mx	.003	.5
10	MP2A	X	-3.41	6
11	MP2A	Z	-1.969	6
12	MP2A	Mx	.003	6
13	MP2B	X	-4.203	.5
14	MP2B	Z	-2.426	.5
15	MP2B	Mx	-.003	.5
16	MP2B	X	-4.203	6
17	MP2B	Z	-2.426	6
18	MP2B	Mx	-.003	6
19	MP2C	X	-3.41	.5
20	MP2C	Z	-1.969	.5
21	MP2C	Mx	-.000393	.5
22	MP2C	X	-3.41	6
23	MP2C	Z	-1.969	6
24	MP2C	Mx	-.000393	6
25	MP2A	X	-3.41	.5
26	MP2A	Z	-1.969	.5
27	MP2A	Mx	.000392	.5
28	MP2A	X	-3.41	6
29	MP2A	Z	-1.969	6
30	MP2A	Mx	.000392	6
31	MP2B	X	-4.203	.5
32	MP2B	Z	-2.426	.5
33	MP2B	Mx	.003	.5
34	MP2B	X	-4.203	6
35	MP2B	Z	-2.426	6
36	MP2B	Mx	.003	6
37	MP2C	X	-3.41	.5
38	MP2C	Z	-1.969	.5
39	MP2C	Mx	-.003	.5
40	MP2C	X	-3.41	6
41	MP2C	Z	-1.969	6
42	MP2C	Mx	-.003	6
43	MP3A	X	-1.768	2.25
44	MP3A	Z	-1.021	2.25
45	MP3A	Mx	.000884	2.25
46	MP3A	X	-1.768	4.25
47	MP3A	Z	-1.021	4.25
48	MP3A	Mx	.000884	4.25
49	MP3B	X	-3.479	2.25
50	MP3B	Z	-2.009	2.25
51	MP3B	Mx	0	2.25
52	MP3B	X	-3.479	4.25
53	MP3B	Z	-2.009	4.25
54	MP3B	Mx	0	4.25
55	MP3C	X	-1.768	2.25
56	MP3C	Z	-1.021	2.25
57	MP3C	Mx	-.000884	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3C	X	-1.768	4.25
59	MP3C	Z	-1.021	4.25
60	MP3C	Mx	-.000884	4.25
61	MP1A	X	-2.072	2.5
62	MP1A	Z	-1.196	2.5
63	MP1A	Mx	-.001	2.5
64	MP1B	X	-2.751	2.5
65	MP1B	Z	-1.588	2.5
66	MP1B	Mx	0	2.5
67	MP1C	X	-2.072	2.5
68	MP1C	Z	-1.196	2.5
69	MP1C	Mx	.001	2.5
70	MP2A	X	-1.939	2.5
71	MP2A	Z	-1.12	2.5
72	MP2A	Mx	-.00097	2.5
73	MP2B	X	-2.751	2.5
74	MP2B	Z	-1.588	2.5
75	MP2B	Mx	0	2.5
76	MP2C	X	-1.939	2.5
77	MP2C	Z	-1.12	2.5
78	MP2C	Mx	.00097	2.5
79	MP1A	X	-4.173	2
80	MP1A	Z	-2.409	2
81	MP1A	Mx	.002	2
82	MP1A	X	-4.173	4.5
83	MP1A	Z	-2.409	4.5
84	MP1A	Mx	.002	4.5
85	MP1B	X	-2.316	2
86	MP1B	Z	-1.337	2
87	MP1B	Mx	0	2
88	MP1B	X	-2.316	4.5
89	MP1B	Z	-1.337	4.5
90	MP1B	Mx	0	4.5
91	MP1C	X	-4.173	2
92	MP1C	Z	-2.409	2
93	MP1C	Mx	-.002	2
94	MP1C	X	-4.173	4.5
95	MP1C	Z	-2.409	4.5
96	MP1C	Mx	-.002	4.5
97	MP5A	X	-4.173	2
98	MP5A	Z	-2.409	2
99	MP5A	Mx	.002	2
100	MP5A	X	-4.173	4.5
101	MP5A	Z	-2.409	4.5
102	MP5A	Mx	.002	4.5
103	MP5B	X	-2.316	2
104	MP5B	Z	-1.337	2
105	MP5B	Mx	0	2
106	MP5B	X	-2.316	4.5
107	MP5B	Z	-1.337	4.5
108	MP5B	Mx	0	4.5
109	MP5C	X	-4.173	2
110	MP5C	Z	-2.409	2
111	MP5C	Mx	-.002	2
112	MP5C	X	-4.173	4.5
113	MP5C	Z	-2.409	4.5
114	MP5C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP4A	X	-4.615	1.5
116	MP4A	Z	-2.664	1.5
117	MP4A	Mx	-.002	1.5
118	MP4B	X	-5.627	1.5
119	MP4B	Z	-3.249	1.5
120	MP4B	Mx	0	1.5
121	MP1C	X	-1.664	.25
122	MP1C	Z	-.961	.25
123	MP1C	Mx	.000832	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-.812	5
2	MP2B	Z	-1.407	5
3	MP2B	Mx	-.000203	5
4	MP2C	X	-.298	5
5	MP2C	Z	-.517	5
6	MP2C	Mx	.000149	5
7	MP2A	X	-2.274	.5
8	MP2A	Z	-3.938	.5
9	MP2A	Mx	.004	.5
10	MP2A	X	-2.274	6
11	MP2A	Z	-3.938	6
12	MP2A	Mx	.004	6
13	MP2B	X	-2.274	.5
14	MP2B	Z	-3.938	.5
15	MP2B	Mx	-.001	.5
16	MP2B	X	-2.274	6
17	MP2B	Z	-3.938	6
18	MP2B	Mx	-.001	6
19	MP2C	X	-1.816	.5
20	MP2C	Z	-3.145	.5
21	MP2C	Mx	-.002	.5
22	MP2C	X	-1.816	6
23	MP2C	Z	-3.145	6
24	MP2C	Mx	-.002	6
25	MP2A	X	-2.274	.5
26	MP2A	Z	-3.938	.5
27	MP2A	Mx	-.001	.5
28	MP2A	X	-2.274	6
29	MP2A	Z	-3.938	6
30	MP2A	Mx	-.001	6
31	MP2B	X	-2.274	.5
32	MP2B	Z	-3.938	.5
33	MP2B	Mx	.004	.5
34	MP2B	X	-2.274	6
35	MP2B	Z	-3.938	6
36	MP2B	Mx	.004	6
37	MP2C	X	-1.816	.5
38	MP2C	Z	-3.145	.5
39	MP2C	Mx	-.002	.5
40	MP2C	X	-1.816	6
41	MP2C	Z	-3.145	6
42	MP2C	Mx	-.002	6
43	MP3A	X	-1.679	2.25
44	MP3A	Z	-2.909	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3A	Mx	.00084	2.25
46	MP3A	X	-1.679	4.25
47	MP3A	Z	-2.909	4.25
48	MP3A	Mx	.00084	4.25
49	MP3B	X	-1.679	2.25
50	MP3B	Z	-2.909	2.25
51	MP3B	Mx	.00084	2.25
52	MP3B	X	-1.679	4.25
53	MP3B	Z	-2.909	4.25
54	MP3B	Mx	.00084	4.25
55	MP3C	X	-.692	2.25
56	MP3C	Z	-1.198	2.25
57	MP3C	Mx	-.000692	2.25
58	MP3C	X	-.692	4.25
59	MP3C	Z	-1.198	4.25
60	MP3C	Mx	-.000692	4.25
61	MP1A	X	-1.458	2.5
62	MP1A	Z	-2.525	2.5
63	MP1A	Mx	-.000729	2.5
64	MP1B	X	-1.458	2.5
65	MP1B	Z	-2.525	2.5
66	MP1B	Mx	-.000729	2.5
67	MP1C	X	-1.066	2.5
68	MP1C	Z	-1.846	2.5
69	MP1C	Mx	.001	2.5
70	MP2A	X	-1.432	2.5
71	MP2A	Z	-2.481	2.5
72	MP2A	Mx	-.000716	2.5
73	MP2B	X	-1.432	2.5
74	MP2B	Z	-2.481	2.5
75	MP2B	Mx	-.000716	2.5
76	MP2C	X	-.963	2.5
77	MP2C	Z	-1.668	2.5
78	MP2C	Mx	.000963	2.5
79	MP1A	X	-1.695	2
80	MP1A	Z	-2.935	2
81	MP1A	Mx	.000848	2
82	MP1A	X	-1.695	4.5
83	MP1A	Z	-2.935	4.5
84	MP1A	Mx	.000848	4.5
85	MP1B	X	-1.695	2
86	MP1B	Z	-2.935	2
87	MP1B	Mx	.000847	2
88	MP1B	X	-1.695	4.5
89	MP1B	Z	-2.935	4.5
90	MP1B	Mx	.000847	4.5
91	MP1C	X	-2.766	2
92	MP1C	Z	-4.791	2
93	MP1C	Mx	-.003	2
94	MP1C	X	-2.766	4.5
95	MP1C	Z	-4.791	4.5
96	MP1C	Mx	-.003	4.5
97	MP5A	X	-1.695	2
98	MP5A	Z	-2.935	2
99	MP5A	Mx	.000848	2
100	MP5A	X	-1.695	4.5
101	MP5A	Z	-2.935	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP5A	Mx	.000848	4.5
103	MP5B	X	-1.695	2
104	MP5B	Z	-2.935	2
105	MP5B	Mx	.000847	2
106	MP5B	X	-1.695	4.5
107	MP5B	Z	-2.935	4.5
108	MP5B	Mx	.000847	4.5
109	MP5C	X	-2.766	2
110	MP5C	Z	-4.791	2
111	MP5C	Mx	-.003	2
112	MP5C	X	-2.766	4.5
113	MP5C	Z	-4.791	4.5
114	MP5C	Mx	-.003	4.5
115	MP4A	X	-3.054	1.5
116	MP4A	Z	-5.289	1.5
117	MP4A	Mx	-.002	1.5
118	MP4B	X	-3.054	1.5
119	MP4B	Z	-5.289	1.5
120	MP4B	Mx	-.002	1.5
121	MP1C	X	-.939	.25
122	MP1C	Z	-1.627	.25
123	MP1C	Mx	.000939	.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIVE2	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIVE1	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	Y	-.698	5
2	MP2B	My	-8.7e-5	5
3	MP2B	Mz	.000151	5
4	MP2C	Y	-.698	5
5	MP2C	My	-8.7e-5	5
6	MP2C	Mz	-.000151	5
7	MP2A	Y	-1.19	.5
8	MP2A	My	-.000595	.5
9	MP2A	Mz	-.000794	.5
10	MP2A	Y	-1.19	6
11	MP2A	My	-.000595	6
12	MP2A	Mz	-.000794	6
13	MP2B	Y	-1.19	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2B	My	.000985	.5
15	MP2B	Mz	-.000119	.5
16	MP2B	Y	-1.19	6
17	MP2B	My	.000985	6
18	MP2B	Mz	-.000119	6
19	MP2C	Y	-1.19	.5
20	MP2C	My	-.00039	.5
21	MP2C	Mz	.000912	.5
22	MP2C	Y	-1.19	6
23	MP2C	My	-.00039	6
24	MP2C	Mz	.000912	6
25	MP2A	Y	-1.19	.5
26	MP2A	My	-.000595	.5
27	MP2A	Mz	.000794	.5
28	MP2A	Y	-1.19	6
29	MP2A	My	-.000595	6
30	MP2A	Mz	.000794	6
31	MP2B	Y	-1.19	.5
32	MP2B	My	-.00039	.5
33	MP2B	Mz	-.000912	.5
34	MP2B	Y	-1.19	6
35	MP2B	My	-.00039	6
36	MP2B	Mz	-.000912	6
37	MP2C	Y	-1.19	.5
38	MP2C	My	.000985	.5
39	MP2C	Mz	.000119	.5
40	MP2C	Y	-1.19	6
41	MP2C	My	.000985	6
42	MP2C	Mz	.000119	6
43	MP3A	Y	-1.728	2.25
44	MP3A	My	-.000864	2.25
45	MP3A	Mz	0	2.25
46	MP3A	Y	-1.728	4.25
47	MP3A	My	-.000864	4.25
48	MP3A	Mz	0	4.25
49	MP3B	Y	-1.728	2.25
50	MP3B	My	.000432	2.25
51	MP3B	Mz	-.000748	2.25
52	MP3B	Y	-1.728	4.25
53	MP3B	My	.000432	4.25
54	MP3B	Mz	-.000748	4.25
55	MP3C	Y	-1.728	2.25
56	MP3C	My	.000432	2.25
57	MP3C	Mz	.000748	2.25
58	MP3C	Y	-1.728	4.25
59	MP3C	My	.000432	4.25
60	MP3C	Mz	.000748	4.25
61	MP1A	Y	-2.964	2.5
62	MP1A	My	.001	2.5
63	MP1A	Mz	0	2.5
64	MP1B	Y	-2.964	2.5
65	MP1B	My	-.000741	2.5
66	MP1B	Mz	.001	2.5
67	MP1C	Y	-2.964	2.5
68	MP1C	My	-.000741	2.5
69	MP1C	Mz	-.001	2.5
70	MP2A	Y	-2.79	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2A	My	.001	2.5
72	MP2A	Mz	0	2.5
73	MP2B	Y	-2.79	2.5
74	MP2B	My	-.000697	2.5
75	MP2B	Mz	.001	2.5
76	MP2C	Y	-2.79	2.5
77	MP2C	My	-.000697	2.5
78	MP2C	Mz	-.001	2.5
79	MP1A	Y	-.238	2
80	MP1A	My	-.000119	2
81	MP1A	Mz	0	2
82	MP1A	Y	-.238	4.5
83	MP1A	My	-.000119	4.5
84	MP1A	Mz	0	4.5
85	MP1B	Y	-.238	2
86	MP1B	My	6e-5	2
87	MP1B	Mz	-.000103	2
88	MP1B	Y	-.238	4.5
89	MP1B	My	6e-5	4.5
90	MP1B	Mz	-.000103	4.5
91	MP1C	Y	-.238	2
92	MP1C	My	6e-5	2
93	MP1C	Mz	.000103	2
94	MP1C	Y	-.238	4.5
95	MP1C	My	6e-5	4.5
96	MP1C	Mz	.000103	4.5
97	MP5A	Y	-.238	2
98	MP5A	My	-.000119	2
99	MP5A	Mz	0	2
100	MP5A	Y	-.238	4.5
101	MP5A	My	-.000119	4.5
102	MP5A	Mz	0	4.5
103	MP5B	Y	-.238	2
104	MP5B	My	6e-5	2
105	MP5B	Mz	-.000103	2
106	MP5B	Y	-.238	4.5
107	MP5B	My	6e-5	4.5
108	MP5B	Mz	-.000103	4.5
109	MP5C	Y	-.238	2
110	MP5C	My	6e-5	2
111	MP5C	Mz	.000103	2
112	MP5C	Y	-.238	4.5
113	MP5C	My	6e-5	4.5
114	MP5C	Mz	.000103	4.5
115	MP4A	Y	-1.27	1.5
116	MP4A	My	.000635	1.5
117	MP4A	Mz	0	1.5
118	MP4B	Y	-1.27	1.5
119	MP4B	My	-.000317	1.5
120	MP4B	Mz	.00055	1.5
121	MP1C	Y	-.397	.25
122	MP1C	My	-9.9e-5	.25
123	MP1C	Mz	-.000172	.25

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	Z	-1.746	5
2	MP2B	Mx	-.000378	5
3	MP2C	Z	-1.746	5
4	MP2C	Mx	.000378	5
5	MP2A	Z	-2.976	.5
6	MP2A	Mx	.002	.5
7	MP2A	Z	-2.976	6
8	MP2A	Mx	.002	6
9	MP2B	Z	-2.976	.5
10	MP2B	Mx	.000297	.5
11	MP2B	Z	-2.976	6
12	MP2B	Mx	.000297	6
13	MP2C	Z	-2.976	.5
14	MP2C	Mx	-.002	.5
15	MP2C	Z	-2.976	6
16	MP2C	Mx	-.002	6
17	MP2A	Z	-2.976	.5
18	MP2A	Mx	-.002	.5
19	MP2A	Z	-2.976	6
20	MP2A	Mx	-.002	6
21	MP2B	Z	-2.976	.5
22	MP2B	Mx	.002	.5
23	MP2B	Z	-2.976	6
24	MP2B	Mx	.002	6
25	MP2C	Z	-2.976	.5
26	MP2C	Mx	-.000297	.5
27	MP2C	Z	-2.976	6
28	MP2C	Mx	-.000297	6
29	MP3A	Z	-4.32	2.25
30	MP3A	Mx	0	2.25
31	MP3A	Z	-4.32	4.25
32	MP3A	Mx	0	4.25
33	MP3B	Z	-4.32	2.25
34	MP3B	Mx	.002	2.25
35	MP3B	Z	-4.32	4.25
36	MP3B	Mx	.002	4.25
37	MP3C	Z	-4.32	2.25
38	MP3C	Mx	-.002	2.25
39	MP3C	Z	-4.32	4.25
40	MP3C	Mx	-.002	4.25
41	MP1A	Z	-7.41	2.5
42	MP1A	Mx	0	2.5
43	MP1B	Z	-7.41	2.5
44	MP1B	Mx	-.003	2.5
45	MP1C	Z	-7.41	2.5
46	MP1C	Mx	.003	2.5
47	MP2A	Z	-6.974	2.5
48	MP2A	Mx	0	2.5
49	MP2B	Z	-6.974	2.5
50	MP2B	Mx	-.003	2.5
51	MP2C	Z	-6.974	2.5
52	MP2C	Mx	.003	2.5
53	MP1A	Z	-.595	2
54	MP1A	Mx	0	2
55	MP1A	Z	-.595	4.5
56	MP1A	Mx	0	4.5
57	MP1B	Z	-.595	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1B	Mx	.000258	2
59	MP1B	Z	-.595	4.5
60	MP1B	Mx	.000258	4.5
61	MP1C	Z	-.595	2
62	MP1C	Mx	-.000258	2
63	MP1C	Z	-.595	4.5
64	MP1C	Mx	-.000258	4.5
65	MP5A	Z	-.595	2
66	MP5A	Mx	0	2
67	MP5A	Z	-.595	4.5
68	MP5A	Mx	0	4.5
69	MP5B	Z	-.595	2
70	MP5B	Mx	.000258	2
71	MP5B	Z	-.595	4.5
72	MP5B	Mx	.000258	4.5
73	MP5C	Z	-.595	2
74	MP5C	Mx	-.000258	2
75	MP5C	Z	-.595	4.5
76	MP5C	Mx	-.000258	4.5
77	MP4A	Z	-3.174	1.5
78	MP4A	Mx	0	1.5
79	MP4B	Z	-3.174	1.5
80	MP4B	Mx	-.001	1.5
81	MP1C	Z	-.992	.25
82	MP1C	Mx	.00043	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	1.746	5
2	MP2B	Mx	-.000218	5
3	MP2C	X	1.746	5
4	MP2C	Mx	-.000218	5
5	MP2A	X	2.976	.5
6	MP2A	Mx	-.001	.5
7	MP2A	X	2.976	6
8	MP2A	Mx	-.001	6
9	MP2B	X	2.976	.5
10	MP2B	Mx	.002	.5
11	MP2B	X	2.976	6
12	MP2B	Mx	.002	6
13	MP2C	X	2.976	.5
14	MP2C	Mx	-.000974	.5
15	MP2C	X	2.976	6
16	MP2C	Mx	-.000974	6
17	MP2A	X	2.976	.5
18	MP2A	Mx	-.001	.5
19	MP2A	X	2.976	6
20	MP2A	Mx	-.001	6
21	MP2B	X	2.976	.5
22	MP2B	Mx	-.000974	.5
23	MP2B	X	2.976	6
24	MP2B	Mx	-.000974	6
25	MP2C	X	2.976	.5
26	MP2C	Mx	.002	.5
27	MP2C	X	2.976	6
28	MP2C	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3A	X	4.32	2.25
30	MP3A	Mx	-.002	2.25
31	MP3A	X	4.32	4.25
32	MP3A	Mx	-.002	4.25
33	MP3B	X	4.32	2.25
34	MP3B	Mx	.001	2.25
35	MP3B	X	4.32	4.25
36	MP3B	Mx	.001	4.25
37	MP3C	X	4.32	2.25
38	MP3C	Mx	.001	2.25
39	MP3C	X	4.32	4.25
40	MP3C	Mx	.001	4.25
41	MP1A	X	7.41	2.5
42	MP1A	Mx	.004	2.5
43	MP1B	X	7.41	2.5
44	MP1B	Mx	-.002	2.5
45	MP1C	X	7.41	2.5
46	MP1C	Mx	-.002	2.5
47	MP2A	X	6.974	2.5
48	MP2A	Mx	.003	2.5
49	MP2B	X	6.974	2.5
50	MP2B	Mx	-.002	2.5
51	MP2C	X	6.974	2.5
52	MP2C	Mx	-.002	2.5
53	MP1A	X	.595	2
54	MP1A	Mx	-.000298	2
55	MP1A	X	.595	4.5
56	MP1A	Mx	-.000298	4.5
57	MP1B	X	.595	2
58	MP1B	Mx	.000149	2
59	MP1B	X	.595	4.5
60	MP1B	Mx	.000149	4.5
61	MP1C	X	.595	2
62	MP1C	Mx	.000149	2
63	MP1C	X	.595	4.5
64	MP1C	Mx	.000149	4.5
65	MP5A	X	.595	2
66	MP5A	Mx	-.000298	2
67	MP5A	X	.595	4.5
68	MP5A	Mx	-.000298	4.5
69	MP5B	X	.595	2
70	MP5B	Mx	.000149	2
71	MP5B	X	.595	4.5
72	MP5B	Mx	.000149	4.5
73	MP5C	X	.595	2
74	MP5C	Mx	.000149	2
75	MP5C	X	.595	4.5
76	MP5C	Mx	.000149	4.5
77	MP4A	X	3.174	1.5
78	MP4A	Mx	.002	1.5
79	MP4B	X	3.174	1.5
80	MP4B	Mx	-.000794	1.5
81	MP1C	X	.992	.25
82	MP1C	Mx	-.000248	.25

Joint Loads and Enforced Displacements

Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/...
No Data to Print ...			

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-9.486	-9.486	0	%100
2	M2	Y	-10.472	-10.472	0	%100
3	M5	Y	-9.965	-9.965	0	%100
4	M6	Y	-9.965	-9.965	0	%100
5	M7	Y	-9.965	-9.965	0	%100
6	M6A	Y	-7.513	-7.513	0	%100
7	FACE	Y	-7.513	-7.513	0	%100
8	MP1A	Y	-4.907	-4.907	0	%100
9	M23A	Y	-7.513	-7.513	0	%100
10	M24	Y	-7.513	-7.513	0	%100
11	M38	Y	-9.486	-9.486	0	%100
12	M39A	Y	-7.513	-7.513	0	%100
13	M40	Y	-7.513	-7.513	0	%100
14	M54	Y	-9.486	-9.486	0	%100
15	M55	Y	-10.472	-10.472	0	%100
16	M56	Y	-10.472	-10.472	0	%100
17	MP2A	Y	-4.907	-4.907	0	%100
18	MP3A	Y	-4.907	-4.907	0	%100
19	MP4A	Y	-4.907	-4.907	0	%100
20	MP5A	Y	-4.907	-4.907	0	%100
21	MP1C	Y	-4.907	-4.907	0	%100
22	MP2C	Y	-4.907	-4.907	0	%100
23	MP3C	Y	-4.907	-4.907	0	%100
24	MP4C	Y	-4.907	-4.907	0	%100
25	MP5C	Y	-4.907	-4.907	0	%100
26	MP1B	Y	-4.907	-4.907	0	%100
27	MP2B	Y	-4.907	-4.907	0	%100
28	MP3B	Y	-4.907	-4.907	0	%100
29	MP4B	Y	-4.907	-4.907	0	%100
30	MP5B	Y	-4.907	-4.907	0	%100
31	M56A	Y	-5.605	-5.605	0	%100
32	M71	Y	-5.605	-5.605	0	%100
33	M87	Y	-5.605	-5.605	0	%100
34	M74	Y	-7.513	-7.513	0	%100
35	M81	Y	-7.513	-7.513	0	%100
36	M88	Y	-7.513	-7.513	0	%100
37	M73A	Y	-11.011	-11.011	0	%100
38	M74A	Y	-11.011	-11.011	0	%100
39	M75	Y	-11.011	-11.011	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-11.342	-11.342	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M7	X	0	0	0	%100
10	M7	Z	-11.342	-11.342	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-17.791	-17.791	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-17.791	-17.791	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-8.451	-8.451	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	-4.448	-4.448	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-4.448	-4.448	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-7.626	-7.626	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	-4.448	-4.448	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-4.448	-4.448	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-7.626	-7.626	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-8.822	-8.822	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	-8.822	-8.822	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-8.451	-8.451	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-8.451	-8.451	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-8.451	-8.451	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-8.451	-8.451	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-8.451	-8.451	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-8.451	-8.451	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-8.451	-8.451	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-8.451	-8.451	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	-8.451	-8.451	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-8.451	-8.451	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-8.451	-8.451	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-8.451	-8.451	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	-8.451	-8.451	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	-8.451	-8.451	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	-10.23	-10.23	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-2.558	-2.558	0	%100
65	M87	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
66	M87	Z	-2.558	-2.558	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	-3.113	-3.113	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-3.113	-3.113	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	-12.451	-12.451	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-7.617	-7.617	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-15.025	-15.025	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-15.025	-15.025	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.271	1.271	0	%100
2	M1	Z	-2.201	-2.201	0	%100
3	M2	X	1.47	1.47	0	%100
4	M2	Z	-2.547	-2.547	0	%100
5	M5	X	1.89	1.89	0	%100
6	M5	Z	-3.274	-3.274	0	%100
7	M6	X	1.89	1.89	0	%100
8	M6	Z	-3.274	-3.274	0	%100
9	M7	X	7.561	7.561	0	%100
10	M7	Z	-13.097	-13.097	0	%100
11	M6A	X	6.672	6.672	0	%100
12	M6A	Z	-11.556	-11.556	0	%100
13	FACE	X	6.672	6.672	0	%100
14	FACE	Z	-11.556	-11.556	0	%100
15	MP1A	X	4.225	4.225	0	%100
16	MP1A	Z	-7.319	-7.319	0	%100
17	M23A	X	6.672	6.672	0	%100
18	M23A	Z	-11.556	-11.556	0	%100
19	M24	X	6.672	6.672	0	%100
20	M24	Z	-11.556	-11.556	0	%100
21	M38	X	1.271	1.271	0	%100
22	M38	Z	-2.201	-2.201	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	5.084	5.084	0	%100
28	M54	Z	-8.805	-8.805	0	%100
29	M55	X	1.47	1.47	0	%100
30	M55	Z	-2.547	-2.547	0	%100
31	M56	X	5.881	5.881	0	%100
32	M56	Z	-10.186	-10.186	0	%100
33	MP2A	X	4.225	4.225	0	%100
34	MP2A	Z	-7.319	-7.319	0	%100
35	MP3A	X	4.225	4.225	0	%100
36	MP3A	Z	-7.319	-7.319	0	%100
37	MP4A	X	4.225	4.225	0	%100
38	MP4A	Z	-7.319	-7.319	0	%100
39	MP5A	X	4.225	4.225	0	%100
40	MP5A	Z	-7.319	-7.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	MP1C	X	4.225	4.225	0	%100
42	MP1C	Z	-7.319	-7.319	0	%100
43	MP2C	X	4.225	4.225	0	%100
44	MP2C	Z	-7.319	-7.319	0	%100
45	MP3C	X	4.225	4.225	0	%100
46	MP3C	Z	-7.319	-7.319	0	%100
47	MP4C	X	4.225	4.225	0	%100
48	MP4C	Z	-7.319	-7.319	0	%100
49	MP5C	X	4.225	4.225	0	%100
50	MP5C	Z	-7.319	-7.319	0	%100
51	MP1B	X	4.225	4.225	0	%100
52	MP1B	Z	-7.319	-7.319	0	%100
53	MP2B	X	4.225	4.225	0	%100
54	MP2B	Z	-7.319	-7.319	0	%100
55	MP3B	X	4.225	4.225	0	%100
56	MP3B	Z	-7.319	-7.319	0	%100
57	MP4B	X	4.225	4.225	0	%100
58	MP4B	Z	-7.319	-7.319	0	%100
59	MP5B	X	4.225	4.225	0	%100
60	MP5B	Z	-7.319	-7.319	0	%100
61	M56A	X	3.836	3.836	0	%100
62	M56A	Z	-6.645	-6.645	0	%100
63	M71	X	3.836	3.836	0	%100
64	M71	Z	-6.645	-6.645	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	4.669	4.669	0	%100
68	M74	Z	-8.087	-8.087	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	4.669	4.669	0	%100
72	M88	Z	-8.087	-8.087	0	%100
73	M73A	X	5.043	5.043	0	%100
74	M73A	Z	-8.735	-8.735	0	%100
75	M74A	X	5.043	5.043	0	%100
76	M74A	Z	-8.735	-8.735	0	%100
77	M75	X	8.748	8.748	0	%100
78	M75	Z	-15.151	-15.151	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	6.604	6.604	0	%100
2	M1	Z	-3.813	-3.813	0	%100
3	M2	X	7.64	7.64	0	%100
4	M2	Z	-4.411	-4.411	0	%100
5	M5	X	9.823	9.823	0	%100
6	M5	Z	-5.671	-5.671	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	9.823	9.823	0	%100
10	M7	Z	-5.671	-5.671	0	%100
11	M6A	X	3.852	3.852	0	%100
12	M6A	Z	-2.224	-2.224	0	%100
13	FACE	X	3.852	3.852	0	%100
14	FACE	Z	-2.224	-2.224	0	%100
15	MP1A	X	7.319	7.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	MP1A	Z	-4.225	-4.225	0	%100
17	M23A	X	15.408	15.408	0	%100
18	M23A	Z	-8.896	-8.896	0	%100
19	M24	X	15.408	15.408	0	%100
20	M24	Z	-8.896	-8.896	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	3.852	3.852	0	%100
24	M39A	Z	-2.224	-2.224	0	%100
25	M40	X	3.852	3.852	0	%100
26	M40	Z	-2.224	-2.224	0	%100
27	M54	X	6.604	6.604	0	%100
28	M54	Z	-3.813	-3.813	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	7.64	7.64	0	%100
32	M56	Z	-4.411	-4.411	0	%100
33	MP2A	X	7.319	7.319	0	%100
34	MP2A	Z	-4.225	-4.225	0	%100
35	MP3A	X	7.319	7.319	0	%100
36	MP3A	Z	-4.225	-4.225	0	%100
37	MP4A	X	7.319	7.319	0	%100
38	MP4A	Z	-4.225	-4.225	0	%100
39	MP5A	X	7.319	7.319	0	%100
40	MP5A	Z	-4.225	-4.225	0	%100
41	MP1C	X	7.319	7.319	0	%100
42	MP1C	Z	-4.225	-4.225	0	%100
43	MP2C	X	7.319	7.319	0	%100
44	MP2C	Z	-4.225	-4.225	0	%100
45	MP3C	X	7.319	7.319	0	%100
46	MP3C	Z	-4.225	-4.225	0	%100
47	MP4C	X	7.319	7.319	0	%100
48	MP4C	Z	-4.225	-4.225	0	%100
49	MP5C	X	7.319	7.319	0	%100
50	MP5C	Z	-4.225	-4.225	0	%100
51	MP1B	X	7.319	7.319	0	%100
52	MP1B	Z	-4.225	-4.225	0	%100
53	MP2B	X	7.319	7.319	0	%100
54	MP2B	Z	-4.225	-4.225	0	%100
55	MP3B	X	7.319	7.319	0	%100
56	MP3B	Z	-4.225	-4.225	0	%100
57	MP4B	X	7.319	7.319	0	%100
58	MP4B	Z	-4.225	-4.225	0	%100
59	MP5B	X	7.319	7.319	0	%100
60	MP5B	Z	-4.225	-4.225	0	%100
61	M56A	X	2.215	2.215	0	%100
62	M56A	Z	-1.279	-1.279	0	%100
63	M71	X	8.86	8.86	0	%100
64	M71	Z	-5.115	-5.115	0	%100
65	M87	X	2.215	2.215	0	%100
66	M87	Z	-1.279	-1.279	0	%100
67	M74	X	10.783	10.783	0	%100
68	M74	Z	-6.225	-6.225	0	%100
69	M81	X	2.696	2.696	0	%100
70	M81	Z	-1.556	-1.556	0	%100
71	M88	X	2.696	2.696	0	%100
72	M88	Z	-1.556	-1.556	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M73A	X	13.012	13.012	0	%100
74	M73A	Z	-7.513	-7.513	0	%100
75	M74A	X	6.596	6.596	0	%100
76	M74A	Z	-3.808	-3.808	0	%100
77	M75	X	13.012	13.012	0	%100
78	M75	Z	-7.513	-7.513	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.168	10.168	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	11.762	11.762	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	15.123	15.123	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	3.781	3.781	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	3.781	3.781	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	8.451	8.451	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	13.344	13.344	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	13.344	13.344	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	2.542	2.542	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	13.344	13.344	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	13.344	13.344	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	2.542	2.542	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	2.941	2.941	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	2.941	2.941	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	8.451	8.451	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	8.451	8.451	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	8.451	8.451	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	8.451	8.451	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	8.451	8.451	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	8.451	8.451	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	8.451	8.451	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	8.451	8.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	MP4C	Z	0	0	0	%100
49	MP5C	X	8.451	8.451	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	8.451	8.451	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	8.451	8.451	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	8.451	8.451	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	8.451	8.451	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	8.451	8.451	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	7.673	7.673	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	7.673	7.673	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	9.338	9.338	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	9.338	9.338	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	17.495	17.495	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	10.086	10.086	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	10.086	10.086	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	6.604	6.604	0	%100
2	M1	Z	3.813	3.813	0	%100
3	M2	X	7.64	7.64	0	%100
4	M2	Z	4.411	4.411	0	%100
5	M5	X	9.823	9.823	0	%100
6	M5	Z	5.671	5.671	0	%100
7	M6	X	9.823	9.823	0	%100
8	M6	Z	5.671	5.671	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	3.852	3.852	0	%100
12	M6A	Z	2.224	2.224	0	%100
13	FACE	X	3.852	3.852	0	%100
14	FACE	Z	2.224	2.224	0	%100
15	MP1A	X	7.319	7.319	0	%100
16	MP1A	Z	4.225	4.225	0	%100
17	M23A	X	3.852	3.852	0	%100
18	M23A	Z	2.224	2.224	0	%100
19	M24	X	3.852	3.852	0	%100
20	M24	Z	2.224	2.224	0	%100
21	M38	X	6.604	6.604	0	%100
22	M38	Z	3.813	3.813	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M39A	X	15.408	15.408	0	%100
24	M39A	Z	8.896	8.896	0	%100
25	M40	X	15.408	15.408	0	%100
26	M40	Z	8.896	8.896	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	7.64	7.64	0	%100
30	M55	Z	4.411	4.411	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	7.319	7.319	0	%100
34	MP2A	Z	4.225	4.225	0	%100
35	MP3A	X	7.319	7.319	0	%100
36	MP3A	Z	4.225	4.225	0	%100
37	MP4A	X	7.319	7.319	0	%100
38	MP4A	Z	4.225	4.225	0	%100
39	MP5A	X	7.319	7.319	0	%100
40	MP5A	Z	4.225	4.225	0	%100
41	MP1C	X	7.319	7.319	0	%100
42	MP1C	Z	4.225	4.225	0	%100
43	MP2C	X	7.319	7.319	0	%100
44	MP2C	Z	4.225	4.225	0	%100
45	MP3C	X	7.319	7.319	0	%100
46	MP3C	Z	4.225	4.225	0	%100
47	MP4C	X	7.319	7.319	0	%100
48	MP4C	Z	4.225	4.225	0	%100
49	MP5C	X	7.319	7.319	0	%100
50	MP5C	Z	4.225	4.225	0	%100
51	MP1B	X	7.319	7.319	0	%100
52	MP1B	Z	4.225	4.225	0	%100
53	MP2B	X	7.319	7.319	0	%100
54	MP2B	Z	4.225	4.225	0	%100
55	MP3B	X	7.319	7.319	0	%100
56	MP3B	Z	4.225	4.225	0	%100
57	MP4B	X	7.319	7.319	0	%100
58	MP4B	Z	4.225	4.225	0	%100
59	MP5B	X	7.319	7.319	0	%100
60	MP5B	Z	4.225	4.225	0	%100
61	M56A	X	2.215	2.215	0	%100
62	M56A	Z	1.279	1.279	0	%100
63	M71	X	2.215	2.215	0	%100
64	M71	Z	1.279	1.279	0	%100
65	M87	X	8.86	8.86	0	%100
66	M87	Z	5.115	5.115	0	%100
67	M74	X	2.696	2.696	0	%100
68	M74	Z	1.556	1.556	0	%100
69	M81	X	10.783	10.783	0	%100
70	M81	Z	6.225	6.225	0	%100
71	M88	X	2.696	2.696	0	%100
72	M88	Z	1.556	1.556	0	%100
73	M73A	X	13.012	13.012	0	%100
74	M73A	Z	7.513	7.513	0	%100
75	M74A	X	13.012	13.012	0	%100
76	M74A	Z	7.513	7.513	0	%100
77	M75	X	6.596	6.596	0	%100
78	M75	Z	3.808	3.808	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.271	1.271	0	%100
2	M1	Z	2.201	2.201	0	%100
3	M2	X	1.47	1.47	0	%100
4	M2	Z	2.547	2.547	0	%100
5	M5	X	1.89	1.89	0	%100
6	M5	Z	3.274	3.274	0	%100
7	M6	X	7.561	7.561	0	%100
8	M6	Z	13.097	13.097	0	%100
9	M7	X	1.89	1.89	0	%100
10	M7	Z	3.274	3.274	0	%100
11	M6A	X	6.672	6.672	0	%100
12	M6A	Z	11.556	11.556	0	%100
13	FACE	X	6.672	6.672	0	%100
14	FACE	Z	11.556	11.556	0	%100
15	MP1A	X	4.225	4.225	0	%100
16	MP1A	Z	7.319	7.319	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	5.084	5.084	0	%100
22	M38	Z	8.805	8.805	0	%100
23	M39A	X	6.672	6.672	0	%100
24	M39A	Z	11.556	11.556	0	%100
25	M40	X	6.672	6.672	0	%100
26	M40	Z	11.556	11.556	0	%100
27	M54	X	1.271	1.271	0	%100
28	M54	Z	2.201	2.201	0	%100
29	M55	X	5.881	5.881	0	%100
30	M55	Z	10.186	10.186	0	%100
31	M56	X	1.47	1.47	0	%100
32	M56	Z	2.547	2.547	0	%100
33	MP2A	X	4.225	4.225	0	%100
34	MP2A	Z	7.319	7.319	0	%100
35	MP3A	X	4.225	4.225	0	%100
36	MP3A	Z	7.319	7.319	0	%100
37	MP4A	X	4.225	4.225	0	%100
38	MP4A	Z	7.319	7.319	0	%100
39	MP5A	X	4.225	4.225	0	%100
40	MP5A	Z	7.319	7.319	0	%100
41	MP1C	X	4.225	4.225	0	%100
42	MP1C	Z	7.319	7.319	0	%100
43	MP2C	X	4.225	4.225	0	%100
44	MP2C	Z	7.319	7.319	0	%100
45	MP3C	X	4.225	4.225	0	%100
46	MP3C	Z	7.319	7.319	0	%100
47	MP4C	X	4.225	4.225	0	%100
48	MP4C	Z	7.319	7.319	0	%100
49	MP5C	X	4.225	4.225	0	%100
50	MP5C	Z	7.319	7.319	0	%100
51	MP1B	X	4.225	4.225	0	%100
52	MP1B	Z	7.319	7.319	0	%100
53	MP2B	X	4.225	4.225	0	%100
54	MP2B	Z	7.319	7.319	0	%100
55	MP3B	X	4.225	4.225	0	%100
56	MP3B	Z	7.319	7.319	0	%100
57	MP4B	X	4.225	4.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	7.319	7.319	0	%100
59	MP5B	X	4.225	4.225	0	%100
60	MP5B	Z	7.319	7.319	0	%100
61	M56A	X	3.836	3.836	0	%100
62	M56A	Z	6.645	6.645	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	3.836	3.836	0	%100
66	M87	Z	6.645	6.645	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	4.669	4.669	0	%100
70	M81	Z	8.087	8.087	0	%100
71	M88	X	4.669	4.669	0	%100
72	M88	Z	8.087	8.087	0	%100
73	M73A	X	5.043	5.043	0	%100
74	M73A	Z	8.735	8.735	0	%100
75	M74A	X	8.748	8.748	0	%100
76	M74A	Z	15.151	15.151	0	%100
77	M75	X	5.043	5.043	0	%100
78	M75	Z	8.735	8.735	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	11.342	11.342	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	11.342	11.342	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	17.791	17.791	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	17.791	17.791	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	8.451	8.451	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	4.448	4.448	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	4.448	4.448	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	7.626	7.626	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	4.448	4.448	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	4.448	4.448	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	7.626	7.626	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	8.822	8.822	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	8.822	8.822	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP2A	X	0	0	0	%100
34	MP2A	Z	8.451	8.451	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	8.451	8.451	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	8.451	8.451	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	8.451	8.451	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	8.451	8.451	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	8.451	8.451	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	8.451	8.451	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	8.451	8.451	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	8.451	8.451	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	8.451	8.451	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	8.451	8.451	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	8.451	8.451	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	8.451	8.451	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	8.451	8.451	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	10.23	10.23	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	2.558	2.558	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	2.558	2.558	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	3.113	3.113	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	3.113	3.113	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	12.451	12.451	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	7.617	7.617	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	15.025	15.025	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	15.025	15.025	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.271	-1.271	0	%100
2	M1	Z	2.201	2.201	0	%100
3	M2	X	-1.47	-1.47	0	%100
4	M2	Z	2.547	2.547	0	%100
5	M5	X	-1.89	-1.89	0	%100
6	M5	Z	3.274	3.274	0	%100
7	M6	X	-1.89	-1.89	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M6	Z	3.274	3.274	0	%100
9	M7	X	-7.561	-7.561	0	%100
10	M7	Z	13.097	13.097	0	%100
11	M6A	X	-6.672	-6.672	0	%100
12	M6A	Z	11.556	11.556	0	%100
13	FACE	X	-6.672	-6.672	0	%100
14	FACE	Z	11.556	11.556	0	%100
15	MP1A	X	-4.225	-4.225	0	%100
16	MP1A	Z	7.319	7.319	0	%100
17	M23A	X	-6.672	-6.672	0	%100
18	M23A	Z	11.556	11.556	0	%100
19	M24	X	-6.672	-6.672	0	%100
20	M24	Z	11.556	11.556	0	%100
21	M38	X	-1.271	-1.271	0	%100
22	M38	Z	2.201	2.201	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-5.084	-5.084	0	%100
28	M54	Z	8.805	8.805	0	%100
29	M55	X	-1.47	-1.47	0	%100
30	M55	Z	2.547	2.547	0	%100
31	M56	X	-5.881	-5.881	0	%100
32	M56	Z	10.186	10.186	0	%100
33	MP2A	X	-4.225	-4.225	0	%100
34	MP2A	Z	7.319	7.319	0	%100
35	MP3A	X	-4.225	-4.225	0	%100
36	MP3A	Z	7.319	7.319	0	%100
37	MP4A	X	-4.225	-4.225	0	%100
38	MP4A	Z	7.319	7.319	0	%100
39	MP5A	X	-4.225	-4.225	0	%100
40	MP5A	Z	7.319	7.319	0	%100
41	MP1C	X	-4.225	-4.225	0	%100
42	MP1C	Z	7.319	7.319	0	%100
43	MP2C	X	-4.225	-4.225	0	%100
44	MP2C	Z	7.319	7.319	0	%100
45	MP3C	X	-4.225	-4.225	0	%100
46	MP3C	Z	7.319	7.319	0	%100
47	MP4C	X	-4.225	-4.225	0	%100
48	MP4C	Z	7.319	7.319	0	%100
49	MP5C	X	-4.225	-4.225	0	%100
50	MP5C	Z	7.319	7.319	0	%100
51	MP1B	X	-4.225	-4.225	0	%100
52	MP1B	Z	7.319	7.319	0	%100
53	MP2B	X	-4.225	-4.225	0	%100
54	MP2B	Z	7.319	7.319	0	%100
55	MP3B	X	-4.225	-4.225	0	%100
56	MP3B	Z	7.319	7.319	0	%100
57	MP4B	X	-4.225	-4.225	0	%100
58	MP4B	Z	7.319	7.319	0	%100
59	MP5B	X	-4.225	-4.225	0	%100
60	MP5B	Z	7.319	7.319	0	%100
61	M56A	X	-3.836	-3.836	0	%100
62	M56A	Z	6.645	6.645	0	%100
63	M71	X	-3.836	-3.836	0	%100
64	M71	Z	6.645	6.645	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-4.669	-4.669	0	%100
68	M74	Z	8.087	8.087	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	-4.669	-4.669	0	%100
72	M88	Z	8.087	8.087	0	%100
73	M73A	X	-5.043	-5.043	0	%100
74	M73A	Z	8.735	8.735	0	%100
75	M74A	X	-5.043	-5.043	0	%100
76	M74A	Z	8.735	8.735	0	%100
77	M75	X	-8.748	-8.748	0	%100
78	M75	Z	15.151	15.151	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-6.604	-6.604	0	%100
2	M1	Z	3.813	3.813	0	%100
3	M2	X	-7.64	-7.64	0	%100
4	M2	Z	4.411	4.411	0	%100
5	M5	X	-9.823	-9.823	0	%100
6	M5	Z	5.671	5.671	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-9.823	-9.823	0	%100
10	M7	Z	5.671	5.671	0	%100
11	M6A	X	-3.852	-3.852	0	%100
12	M6A	Z	2.224	2.224	0	%100
13	FACE	X	-3.852	-3.852	0	%100
14	FACE	Z	2.224	2.224	0	%100
15	MP1A	X	-7.319	-7.319	0	%100
16	MP1A	Z	4.225	4.225	0	%100
17	M23A	X	-15.408	-15.408	0	%100
18	M23A	Z	8.896	8.896	0	%100
19	M24	X	-15.408	-15.408	0	%100
20	M24	Z	8.896	8.896	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-3.852	-3.852	0	%100
24	M39A	Z	2.224	2.224	0	%100
25	M40	X	-3.852	-3.852	0	%100
26	M40	Z	2.224	2.224	0	%100
27	M54	X	-6.604	-6.604	0	%100
28	M54	Z	3.813	3.813	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-7.64	-7.64	0	%100
32	M56	Z	4.411	4.411	0	%100
33	MP2A	X	-7.319	-7.319	0	%100
34	MP2A	Z	4.225	4.225	0	%100
35	MP3A	X	-7.319	-7.319	0	%100
36	MP3A	Z	4.225	4.225	0	%100
37	MP4A	X	-7.319	-7.319	0	%100
38	MP4A	Z	4.225	4.225	0	%100
39	MP5A	X	-7.319	-7.319	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP5A	Z	4.225	4.225	0	%100
41	MP1C	X	-7.319	-7.319	0	%100
42	MP1C	Z	4.225	4.225	0	%100
43	MP2C	X	-7.319	-7.319	0	%100
44	MP2C	Z	4.225	4.225	0	%100
45	MP3C	X	-7.319	-7.319	0	%100
46	MP3C	Z	4.225	4.225	0	%100
47	MP4C	X	-7.319	-7.319	0	%100
48	MP4C	Z	4.225	4.225	0	%100
49	MP5C	X	-7.319	-7.319	0	%100
50	MP5C	Z	4.225	4.225	0	%100
51	MP1B	X	-7.319	-7.319	0	%100
52	MP1B	Z	4.225	4.225	0	%100
53	MP2B	X	-7.319	-7.319	0	%100
54	MP2B	Z	4.225	4.225	0	%100
55	MP3B	X	-7.319	-7.319	0	%100
56	MP3B	Z	4.225	4.225	0	%100
57	MP4B	X	-7.319	-7.319	0	%100
58	MP4B	Z	4.225	4.225	0	%100
59	MP5B	X	-7.319	-7.319	0	%100
60	MP5B	Z	4.225	4.225	0	%100
61	M56A	X	-2.215	-2.215	0	%100
62	M56A	Z	1.279	1.279	0	%100
63	M71	X	-8.86	-8.86	0	%100
64	M71	Z	5.115	5.115	0	%100
65	M87	X	-2.215	-2.215	0	%100
66	M87	Z	1.279	1.279	0	%100
67	M74	X	-10.783	-10.783	0	%100
68	M74	Z	6.225	6.225	0	%100
69	M81	X	-2.696	-2.696	0	%100
70	M81	Z	1.556	1.556	0	%100
71	M88	X	-2.696	-2.696	0	%100
72	M88	Z	1.556	1.556	0	%100
73	M73A	X	-13.012	-13.012	0	%100
74	M73A	Z	7.513	7.513	0	%100
75	M74A	X	-6.596	-6.596	0	%100
76	M74A	Z	3.808	3.808	0	%100
77	M75	X	-13.012	-13.012	0	%100
78	M75	Z	7.513	7.513	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.168	-10.168	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-11.762	-11.762	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-15.123	-15.123	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-3.781	-3.781	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-3.781	-3.781	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	MP1A	X	-8.451	-8.451	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	-13.344	-13.344	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	-13.344	-13.344	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-2.542	-2.542	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-13.344	-13.344	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	-13.344	-13.344	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-2.542	-2.542	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-2.941	-2.941	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-2.941	-2.941	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-8.451	-8.451	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-8.451	-8.451	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-8.451	-8.451	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-8.451	-8.451	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	-8.451	-8.451	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-8.451	-8.451	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-8.451	-8.451	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-8.451	-8.451	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	-8.451	-8.451	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	-8.451	-8.451	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	-8.451	-8.451	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	-8.451	-8.451	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	-8.451	-8.451	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	-8.451	-8.451	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	-7.673	-7.673	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	-7.673	-7.673	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-9.338	-9.338	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-9.338	-9.338	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	M88	Z	0	0	0	%100
73	M73A	X	-17.495	-17.495	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-10.086	-10.086	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	-10.086	-10.086	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-6.604	-6.604	0	%100
2	M1	Z	-3.813	-3.813	0	%100
3	M2	X	-7.64	-7.64	0	%100
4	M2	Z	-4.411	-4.411	0	%100
5	M5	X	-9.823	-9.823	0	%100
6	M5	Z	-5.671	-5.671	0	%100
7	M6	X	-9.823	-9.823	0	%100
8	M6	Z	-5.671	-5.671	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-3.852	-3.852	0	%100
12	M6A	Z	-2.224	-2.224	0	%100
13	FACE	X	-3.852	-3.852	0	%100
14	FACE	Z	-2.224	-2.224	0	%100
15	MP1A	X	-7.319	-7.319	0	%100
16	MP1A	Z	-4.225	-4.225	0	%100
17	M23A	X	-3.852	-3.852	0	%100
18	M23A	Z	-2.224	-2.224	0	%100
19	M24	X	-3.852	-3.852	0	%100
20	M24	Z	-2.224	-2.224	0	%100
21	M38	X	-6.604	-6.604	0	%100
22	M38	Z	-3.813	-3.813	0	%100
23	M39A	X	-15.408	-15.408	0	%100
24	M39A	Z	-8.896	-8.896	0	%100
25	M40	X	-15.408	-15.408	0	%100
26	M40	Z	-8.896	-8.896	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-7.64	-7.64	0	%100
30	M55	Z	-4.411	-4.411	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-7.319	-7.319	0	%100
34	MP2A	Z	-4.225	-4.225	0	%100
35	MP3A	X	-7.319	-7.319	0	%100
36	MP3A	Z	-4.225	-4.225	0	%100
37	MP4A	X	-7.319	-7.319	0	%100
38	MP4A	Z	-4.225	-4.225	0	%100
39	MP5A	X	-7.319	-7.319	0	%100
40	MP5A	Z	-4.225	-4.225	0	%100
41	MP1C	X	-7.319	-7.319	0	%100
42	MP1C	Z	-4.225	-4.225	0	%100
43	MP2C	X	-7.319	-7.319	0	%100
44	MP2C	Z	-4.225	-4.225	0	%100
45	MP3C	X	-7.319	-7.319	0	%100
46	MP3C	Z	-4.225	-4.225	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP4C	X	-7.319	-7.319	0	%100
48	MP4C	Z	-4.225	-4.225	0	%100
49	MP5C	X	-7.319	-7.319	0	%100
50	MP5C	Z	-4.225	-4.225	0	%100
51	MP1B	X	-7.319	-7.319	0	%100
52	MP1B	Z	-4.225	-4.225	0	%100
53	MP2B	X	-7.319	-7.319	0	%100
54	MP2B	Z	-4.225	-4.225	0	%100
55	MP3B	X	-7.319	-7.319	0	%100
56	MP3B	Z	-4.225	-4.225	0	%100
57	MP4B	X	-7.319	-7.319	0	%100
58	MP4B	Z	-4.225	-4.225	0	%100
59	MP5B	X	-7.319	-7.319	0	%100
60	MP5B	Z	-4.225	-4.225	0	%100
61	M56A	X	-2.215	-2.215	0	%100
62	M56A	Z	-1.279	-1.279	0	%100
63	M71	X	-2.215	-2.215	0	%100
64	M71	Z	-1.279	-1.279	0	%100
65	M87	X	-8.86	-8.86	0	%100
66	M87	Z	-5.115	-5.115	0	%100
67	M74	X	-2.696	-2.696	0	%100
68	M74	Z	-1.556	-1.556	0	%100
69	M81	X	-10.783	-10.783	0	%100
70	M81	Z	-6.225	-6.225	0	%100
71	M88	X	-2.696	-2.696	0	%100
72	M88	Z	-1.556	-1.556	0	%100
73	M73A	X	-13.012	-13.012	0	%100
74	M73A	Z	-7.513	-7.513	0	%100
75	M74A	X	-13.012	-13.012	0	%100
76	M74A	Z	-7.513	-7.513	0	%100
77	M75	X	-6.596	-6.596	0	%100
78	M75	Z	-3.808	-3.808	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.271	-1.271	0	%100
2	M1	Z	-2.201	-2.201	0	%100
3	M2	X	-1.47	-1.47	0	%100
4	M2	Z	-2.547	-2.547	0	%100
5	M5	X	-1.89	-1.89	0	%100
6	M5	Z	-3.274	-3.274	0	%100
7	M6	X	-7.561	-7.561	0	%100
8	M6	Z	-13.097	-13.097	0	%100
9	M7	X	-1.89	-1.89	0	%100
10	M7	Z	-3.274	-3.274	0	%100
11	M6A	X	-6.672	-6.672	0	%100
12	M6A	Z	-11.556	-11.556	0	%100
13	FACE	X	-6.672	-6.672	0	%100
14	FACE	Z	-11.556	-11.556	0	%100
15	MP1A	X	-4.225	-4.225	0	%100
16	MP1A	Z	-7.319	-7.319	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-5.084	-5.084	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M38	Z	-8.805	-8.805	0	%100
23	M39A	X	-6.672	-6.672	0	%100
24	M39A	Z	-11.556	-11.556	0	%100
25	M40	X	-6.672	-6.672	0	%100
26	M40	Z	-11.556	-11.556	0	%100
27	M54	X	-1.271	-1.271	0	%100
28	M54	Z	-2.201	-2.201	0	%100
29	M55	X	-5.881	-5.881	0	%100
30	M55	Z	-10.186	-10.186	0	%100
31	M56	X	-1.47	-1.47	0	%100
32	M56	Z	-2.547	-2.547	0	%100
33	MP2A	X	-4.225	-4.225	0	%100
34	MP2A	Z	-7.319	-7.319	0	%100
35	MP3A	X	-4.225	-4.225	0	%100
36	MP3A	Z	-7.319	-7.319	0	%100
37	MP4A	X	-4.225	-4.225	0	%100
38	MP4A	Z	-7.319	-7.319	0	%100
39	MP5A	X	-4.225	-4.225	0	%100
40	MP5A	Z	-7.319	-7.319	0	%100
41	MP1C	X	-4.225	-4.225	0	%100
42	MP1C	Z	-7.319	-7.319	0	%100
43	MP2C	X	-4.225	-4.225	0	%100
44	MP2C	Z	-7.319	-7.319	0	%100
45	MP3C	X	-4.225	-4.225	0	%100
46	MP3C	Z	-7.319	-7.319	0	%100
47	MP4C	X	-4.225	-4.225	0	%100
48	MP4C	Z	-7.319	-7.319	0	%100
49	MP5C	X	-4.225	-4.225	0	%100
50	MP5C	Z	-7.319	-7.319	0	%100
51	MP1B	X	-4.225	-4.225	0	%100
52	MP1B	Z	-7.319	-7.319	0	%100
53	MP2B	X	-4.225	-4.225	0	%100
54	MP2B	Z	-7.319	-7.319	0	%100
55	MP3B	X	-4.225	-4.225	0	%100
56	MP3B	Z	-7.319	-7.319	0	%100
57	MP4B	X	-4.225	-4.225	0	%100
58	MP4B	Z	-7.319	-7.319	0	%100
59	MP5B	X	-4.225	-4.225	0	%100
60	MP5B	Z	-7.319	-7.319	0	%100
61	M56A	X	-3.836	-3.836	0	%100
62	M56A	Z	-6.645	-6.645	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	-3.836	-3.836	0	%100
66	M87	Z	-6.645	-6.645	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-4.669	-4.669	0	%100
70	M81	Z	-8.087	-8.087	0	%100
71	M88	X	-4.669	-4.669	0	%100
72	M88	Z	-8.087	-8.087	0	%100
73	M73A	X	-5.043	-5.043	0	%100
74	M73A	Z	-8.735	-8.735	0	%100
75	M74A	X	-8.748	-8.748	0	%100
76	M74A	Z	-15.151	-15.151	0	%100
77	M75	X	-5.043	-5.043	0	%100
78	M75	Z	-8.735	-8.735	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-2.718	-2.718	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-2.718	-2.718	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-4.147	-4.147	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-4.147	-4.147	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-2.652	-2.652	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	-1.037	-1.037	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-1.037	-1.037	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-1.844	-1.844	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	-1.037	-1.037	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-1.037	-1.037	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-1.844	-1.844	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-2.125	-2.125	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	-2.125	-2.125	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-2.652	-2.652	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-2.652	-2.652	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-2.652	-2.652	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-2.652	-2.652	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-2.652	-2.652	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-2.652	-2.652	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-2.652	-2.652	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-2.652	-2.652	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	-2.652	-2.652	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-2.652	-2.652	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-2.652	-2.652	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-2.652	-2.652	0	%100
57	MP4B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	-2.652	-2.652	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	-2.652	-2.652	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	-2.937	-2.937	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-.734	-.734	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	-.734	-.734	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	-.728	-.728	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-.728	-.728	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	-2.912	-2.912	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-1.544	-1.544	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-3.461	-3.461	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-3.461	-3.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.307	.307	0	%100
2	M1	Z	-.532	-.532	0	%100
3	M2	X	.354	.354	0	%100
4	M2	Z	-.613	-.613	0	%100
5	M5	X	.453	.453	0	%100
6	M5	Z	-.785	-.785	0	%100
7	M6	X	.453	.453	0	%100
8	M6	Z	-.785	-.785	0	%100
9	M7	X	1.812	1.812	0	%100
10	M7	Z	-3.139	-3.139	0	%100
11	M6A	X	1.555	1.555	0	%100
12	M6A	Z	-2.694	-2.694	0	%100
13	FACE	X	1.555	1.555	0	%100
14	FACE	Z	-2.694	-2.694	0	%100
15	MP1A	X	1.326	1.326	0	%100
16	MP1A	Z	-2.297	-2.297	0	%100
17	M23A	X	1.555	1.555	0	%100
18	M23A	Z	-2.694	-2.694	0	%100
19	M24	X	1.555	1.555	0	%100
20	M24	Z	-2.694	-2.694	0	%100
21	M38	X	.307	.307	0	%100
22	M38	Z	-.532	-.532	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	1.229	1.229	0	%100
28	M54	Z	-2.129	-2.129	0	%100
29	M55	X	.354	.354	0	%100
30	M55	Z	-.613	-.613	0	%100
31	M56	X	1.417	1.417	0	%100
32	M56	Z	-2.454	-2.454	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP2A	X	1.326	1.326	0	%100
34	MP2A	Z	-2.297	-2.297	0	%100
35	MP3A	X	1.326	1.326	0	%100
36	MP3A	Z	-2.297	-2.297	0	%100
37	MP4A	X	1.326	1.326	0	%100
38	MP4A	Z	-2.297	-2.297	0	%100
39	MP5A	X	1.326	1.326	0	%100
40	MP5A	Z	-2.297	-2.297	0	%100
41	MP1C	X	1.326	1.326	0	%100
42	MP1C	Z	-2.297	-2.297	0	%100
43	MP2C	X	1.326	1.326	0	%100
44	MP2C	Z	-2.297	-2.297	0	%100
45	MP3C	X	1.326	1.326	0	%100
46	MP3C	Z	-2.297	-2.297	0	%100
47	MP4C	X	1.326	1.326	0	%100
48	MP4C	Z	-2.297	-2.297	0	%100
49	MP5C	X	1.326	1.326	0	%100
50	MP5C	Z	-2.297	-2.297	0	%100
51	MP1B	X	1.326	1.326	0	%100
52	MP1B	Z	-2.297	-2.297	0	%100
53	MP2B	X	1.326	1.326	0	%100
54	MP2B	Z	-2.297	-2.297	0	%100
55	MP3B	X	1.326	1.326	0	%100
56	MP3B	Z	-2.297	-2.297	0	%100
57	MP4B	X	1.326	1.326	0	%100
58	MP4B	Z	-2.297	-2.297	0	%100
59	MP5B	X	1.326	1.326	0	%100
60	MP5B	Z	-2.297	-2.297	0	%100
61	M56A	X	1.101	1.101	0	%100
62	M56A	Z	-1.908	-1.908	0	%100
63	M71	X	1.101	1.101	0	%100
64	M71	Z	-1.908	-1.908	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	1.092	1.092	0	%100
68	M74	Z	-1.891	-1.891	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	1.092	1.092	0	%100
72	M88	Z	-1.891	-1.891	0	%100
73	M73A	X	1.091	1.091	0	%100
74	M73A	Z	-1.89	-1.89	0	%100
75	M74A	X	1.091	1.091	0	%100
76	M74A	Z	-1.89	-1.89	0	%100
77	M75	X	2.05	2.05	0	%100
78	M75	Z	-3.55	-3.55	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.597	1.597	0	%100
2	M1	Z	-.922	-.922	0	%100
3	M2	X	1.84	1.84	0	%100
4	M2	Z	-1.062	-1.062	0	%100
5	M5	X	2.354	2.354	0	%100
6	M5	Z	-1.359	-1.359	0	%100
7	M6	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M6	Z	0	0	0	%100
9	M7	X	2.354	2.354	0	%100
10	M7	Z	-1.359	-1.359	0	%100
11	M6A	X	.898	.898	0	%100
12	M6A	Z	-.518	-.518	0	%100
13	FACE	X	.898	.898	0	%100
14	FACE	Z	-.518	-.518	0	%100
15	MP1A	X	2.297	2.297	0	%100
16	MP1A	Z	-1.326	-1.326	0	%100
17	M23A	X	3.591	3.591	0	%100
18	M23A	Z	-2.073	-2.073	0	%100
19	M24	X	3.591	3.591	0	%100
20	M24	Z	-2.073	-2.073	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	.898	.898	0	%100
24	M39A	Z	-.518	-.518	0	%100
25	M40	X	.898	.898	0	%100
26	M40	Z	-.518	-.518	0	%100
27	M54	X	1.597	1.597	0	%100
28	M54	Z	-.922	-.922	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	1.84	1.84	0	%100
32	M56	Z	-1.062	-1.062	0	%100
33	MP2A	X	2.297	2.297	0	%100
34	MP2A	Z	-1.326	-1.326	0	%100
35	MP3A	X	2.297	2.297	0	%100
36	MP3A	Z	-1.326	-1.326	0	%100
37	MP4A	X	2.297	2.297	0	%100
38	MP4A	Z	-1.326	-1.326	0	%100
39	MP5A	X	2.297	2.297	0	%100
40	MP5A	Z	-1.326	-1.326	0	%100
41	MP1C	X	2.297	2.297	0	%100
42	MP1C	Z	-1.326	-1.326	0	%100
43	MP2C	X	2.297	2.297	0	%100
44	MP2C	Z	-1.326	-1.326	0	%100
45	MP3C	X	2.297	2.297	0	%100
46	MP3C	Z	-1.326	-1.326	0	%100
47	MP4C	X	2.297	2.297	0	%100
48	MP4C	Z	-1.326	-1.326	0	%100
49	MP5C	X	2.297	2.297	0	%100
50	MP5C	Z	-1.326	-1.326	0	%100
51	MP1B	X	2.297	2.297	0	%100
52	MP1B	Z	-1.326	-1.326	0	%100
53	MP2B	X	2.297	2.297	0	%100
54	MP2B	Z	-1.326	-1.326	0	%100
55	MP3B	X	2.297	2.297	0	%100
56	MP3B	Z	-1.326	-1.326	0	%100
57	MP4B	X	2.297	2.297	0	%100
58	MP4B	Z	-1.326	-1.326	0	%100
59	MP5B	X	2.297	2.297	0	%100
60	MP5B	Z	-1.326	-1.326	0	%100
61	M56A	X	.636	.636	0	%100
62	M56A	Z	-.367	-.367	0	%100
63	M71	X	2.544	2.544	0	%100
64	M71	Z	-1.469	-1.469	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M87	X	.636	.636	0	%100
66	M87	Z	-.367	-.367	0	%100
67	M74	X	2.522	2.522	0	%100
68	M74	Z	-1.456	-1.456	0	%100
69	M81	X	.63	.63	0	%100
70	M81	Z	-.364	-.364	0	%100
71	M88	X	.63	.63	0	%100
72	M88	Z	-.364	-.364	0	%100
73	M73A	X	2.997	2.997	0	%100
74	M73A	Z	-1.73	-1.73	0	%100
75	M74A	X	1.337	1.337	0	%100
76	M74A	Z	-.772	-.772	0	%100
77	M75	X	2.997	2.997	0	%100
78	M75	Z	-1.73	-1.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.458	2.458	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	2.833	2.833	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	3.624	3.624	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.906	.906	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.906	.906	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	2.652	2.652	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	3.11	3.11	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	3.11	3.11	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	.615	.615	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	3.11	3.11	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	3.11	3.11	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	.615	.615	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	.708	.708	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	.708	.708	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	2.652	2.652	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	2.652	2.652	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	2.652	2.652	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	2.652	2.652	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP5A	Z	0	0	0	%100
41	MP1C	X	2.652	2.652	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	2.652	2.652	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	2.652	2.652	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	2.652	2.652	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	2.652	2.652	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	2.652	2.652	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	2.652	2.652	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	2.652	2.652	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	2.652	2.652	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	2.652	2.652	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	2.203	2.203	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	2.203	2.203	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	2.184	2.184	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	2.184	2.184	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	4.1	4.1	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	2.183	2.183	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	2.183	2.183	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.597	1.597	0	%100
2	M1	Z	.922	.922	0	%100
3	M2	X	1.84	1.84	0	%100
4	M2	Z	1.062	1.062	0	%100
5	M5	X	2.354	2.354	0	%100
6	M5	Z	1.359	1.359	0	%100
7	M6	X	2.354	2.354	0	%100
8	M6	Z	1.359	1.359	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.898	.898	0	%100
12	M6A	Z	.518	.518	0	%100
13	FACE	X	.898	.898	0	%100
14	FACE	Z	.518	.518	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	MP1A	X	2.297	2.297	0	%100
16	MP1A	Z	1.326	1.326	0	%100
17	M23A	X	.898	.898	0	%100
18	M23A	Z	.518	.518	0	%100
19	M24	X	.898	.898	0	%100
20	M24	Z	.518	.518	0	%100
21	M38	X	1.597	1.597	0	%100
22	M38	Z	.922	.922	0	%100
23	M39A	X	3.591	3.591	0	%100
24	M39A	Z	2.073	2.073	0	%100
25	M40	X	3.591	3.591	0	%100
26	M40	Z	2.073	2.073	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	1.84	1.84	0	%100
30	M55	Z	1.062	1.062	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	2.297	2.297	0	%100
34	MP2A	Z	1.326	1.326	0	%100
35	MP3A	X	2.297	2.297	0	%100
36	MP3A	Z	1.326	1.326	0	%100
37	MP4A	X	2.297	2.297	0	%100
38	MP4A	Z	1.326	1.326	0	%100
39	MP5A	X	2.297	2.297	0	%100
40	MP5A	Z	1.326	1.326	0	%100
41	MP1C	X	2.297	2.297	0	%100
42	MP1C	Z	1.326	1.326	0	%100
43	MP2C	X	2.297	2.297	0	%100
44	MP2C	Z	1.326	1.326	0	%100
45	MP3C	X	2.297	2.297	0	%100
46	MP3C	Z	1.326	1.326	0	%100
47	MP4C	X	2.297	2.297	0	%100
48	MP4C	Z	1.326	1.326	0	%100
49	MP5C	X	2.297	2.297	0	%100
50	MP5C	Z	1.326	1.326	0	%100
51	MP1B	X	2.297	2.297	0	%100
52	MP1B	Z	1.326	1.326	0	%100
53	MP2B	X	2.297	2.297	0	%100
54	MP2B	Z	1.326	1.326	0	%100
55	MP3B	X	2.297	2.297	0	%100
56	MP3B	Z	1.326	1.326	0	%100
57	MP4B	X	2.297	2.297	0	%100
58	MP4B	Z	1.326	1.326	0	%100
59	MP5B	X	2.297	2.297	0	%100
60	MP5B	Z	1.326	1.326	0	%100
61	M56A	X	.636	.636	0	%100
62	M56A	Z	.367	.367	0	%100
63	M71	X	.636	.636	0	%100
64	M71	Z	.367	.367	0	%100
65	M87	X	2.544	2.544	0	%100
66	M87	Z	1.469	1.469	0	%100
67	M74	X	.63	.63	0	%100
68	M74	Z	.364	.364	0	%100
69	M81	X	2.522	2.522	0	%100
70	M81	Z	1.456	1.456	0	%100
71	M88	X	.63	.63	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	M88	Z	.364	.364	0	%100
73	M73A	X	2.997	2.997	0	%100
74	M73A	Z	1.73	1.73	0	%100
75	M74A	X	2.997	2.997	0	%100
76	M74A	Z	1.73	1.73	0	%100
77	M75	X	1.337	1.337	0	%100
78	M75	Z	.772	.772	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.307	.307	0	%100
2	M1	Z	.532	.532	0	%100
3	M2	X	.354	.354	0	%100
4	M2	Z	.613	.613	0	%100
5	M5	X	.453	.453	0	%100
6	M5	Z	.785	.785	0	%100
7	M6	X	1.812	1.812	0	%100
8	M6	Z	3.139	3.139	0	%100
9	M7	X	.453	.453	0	%100
10	M7	Z	.785	.785	0	%100
11	M6A	X	1.555	1.555	0	%100
12	M6A	Z	2.694	2.694	0	%100
13	FACE	X	1.555	1.555	0	%100
14	FACE	Z	2.694	2.694	0	%100
15	MP1A	X	1.326	1.326	0	%100
16	MP1A	Z	2.297	2.297	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	1.229	1.229	0	%100
22	M38	Z	2.129	2.129	0	%100
23	M39A	X	1.555	1.555	0	%100
24	M39A	Z	2.694	2.694	0	%100
25	M40	X	1.555	1.555	0	%100
26	M40	Z	2.694	2.694	0	%100
27	M54	X	.307	.307	0	%100
28	M54	Z	.532	.532	0	%100
29	M55	X	1.417	1.417	0	%100
30	M55	Z	2.454	2.454	0	%100
31	M56	X	.354	.354	0	%100
32	M56	Z	.613	.613	0	%100
33	MP2A	X	1.326	1.326	0	%100
34	MP2A	Z	2.297	2.297	0	%100
35	MP3A	X	1.326	1.326	0	%100
36	MP3A	Z	2.297	2.297	0	%100
37	MP4A	X	1.326	1.326	0	%100
38	MP4A	Z	2.297	2.297	0	%100
39	MP5A	X	1.326	1.326	0	%100
40	MP5A	Z	2.297	2.297	0	%100
41	MP1C	X	1.326	1.326	0	%100
42	MP1C	Z	2.297	2.297	0	%100
43	MP2C	X	1.326	1.326	0	%100
44	MP2C	Z	2.297	2.297	0	%100
45	MP3C	X	1.326	1.326	0	%100
46	MP3C	Z	2.297	2.297	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP4C	X	1.326	1.326	0	%100
48	MP4C	Z	2.297	2.297	0	%100
49	MP5C	X	1.326	1.326	0	%100
50	MP5C	Z	2.297	2.297	0	%100
51	MP1B	X	1.326	1.326	0	%100
52	MP1B	Z	2.297	2.297	0	%100
53	MP2B	X	1.326	1.326	0	%100
54	MP2B	Z	2.297	2.297	0	%100
55	MP3B	X	1.326	1.326	0	%100
56	MP3B	Z	2.297	2.297	0	%100
57	MP4B	X	1.326	1.326	0	%100
58	MP4B	Z	2.297	2.297	0	%100
59	MP5B	X	1.326	1.326	0	%100
60	MP5B	Z	2.297	2.297	0	%100
61	M56A	X	1.101	1.101	0	%100
62	M56A	Z	1.908	1.908	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	1.101	1.101	0	%100
66	M87	Z	1.908	1.908	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	1.092	1.092	0	%100
70	M81	Z	1.891	1.891	0	%100
71	M88	X	1.092	1.092	0	%100
72	M88	Z	1.891	1.891	0	%100
73	M73A	X	1.091	1.091	0	%100
74	M73A	Z	1.89	1.89	0	%100
75	M74A	X	2.05	2.05	0	%100
76	M74A	Z	3.55	3.55	0	%100
77	M75	X	1.091	1.091	0	%100
78	M75	Z	1.89	1.89	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	2.718	2.718	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	2.718	2.718	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	4.147	4.147	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	4.147	4.147	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	2.652	2.652	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	1.037	1.037	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	1.037	1.037	0	%100
21	M38	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M38	Z	1.844	1.844	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	1.037	1.037	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	1.037	1.037	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	1.844	1.844	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	2.125	2.125	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	2.125	2.125	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	2.652	2.652	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	2.652	2.652	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	2.652	2.652	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	2.652	2.652	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	2.652	2.652	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	2.652	2.652	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	2.652	2.652	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	2.652	2.652	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	2.652	2.652	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	2.652	2.652	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	2.652	2.652	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	2.652	2.652	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	2.652	2.652	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	2.652	2.652	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	2.937	2.937	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	.734	.734	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	.734	.734	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	.728	.728	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	.728	.728	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	2.912	2.912	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	1.544	1.544	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	3.461	3.461	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	3.461	3.461	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.307	-.307	0	%100
2	M1	Z	.532	.532	0	%100
3	M2	X	-.354	-.354	0	%100
4	M2	Z	.613	.613	0	%100
5	M5	X	-.453	-.453	0	%100
6	M5	Z	.785	.785	0	%100
7	M6	X	-.453	-.453	0	%100
8	M6	Z	.785	.785	0	%100
9	M7	X	-1.812	-1.812	0	%100
10	M7	Z	3.139	3.139	0	%100
11	M6A	X	-1.555	-1.555	0	%100
12	M6A	Z	2.694	2.694	0	%100
13	FACE	X	-1.555	-1.555	0	%100
14	FACE	Z	2.694	2.694	0	%100
15	MP1A	X	-1.326	-1.326	0	%100
16	MP1A	Z	2.297	2.297	0	%100
17	M23A	X	-1.555	-1.555	0	%100
18	M23A	Z	2.694	2.694	0	%100
19	M24	X	-1.555	-1.555	0	%100
20	M24	Z	2.694	2.694	0	%100
21	M38	X	-.307	-.307	0	%100
22	M38	Z	.532	.532	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-1.229	-1.229	0	%100
28	M54	Z	2.129	2.129	0	%100
29	M55	X	-.354	-.354	0	%100
30	M55	Z	.613	.613	0	%100
31	M56	X	-1.417	-1.417	0	%100
32	M56	Z	2.454	2.454	0	%100
33	MP2A	X	-1.326	-1.326	0	%100
34	MP2A	Z	2.297	2.297	0	%100
35	MP3A	X	-1.326	-1.326	0	%100
36	MP3A	Z	2.297	2.297	0	%100
37	MP4A	X	-1.326	-1.326	0	%100
38	MP4A	Z	2.297	2.297	0	%100
39	MP5A	X	-1.326	-1.326	0	%100
40	MP5A	Z	2.297	2.297	0	%100
41	MP1C	X	-1.326	-1.326	0	%100
42	MP1C	Z	2.297	2.297	0	%100
43	MP2C	X	-1.326	-1.326	0	%100
44	MP2C	Z	2.297	2.297	0	%100
45	MP3C	X	-1.326	-1.326	0	%100
46	MP3C	Z	2.297	2.297	0	%100
47	MP4C	X	-1.326	-1.326	0	%100
48	MP4C	Z	2.297	2.297	0	%100
49	MP5C	X	-1.326	-1.326	0	%100
50	MP5C	Z	2.297	2.297	0	%100
51	MP1B	X	-1.326	-1.326	0	%100
52	MP1B	Z	2.297	2.297	0	%100
53	MP2B	X	-1.326	-1.326	0	%100
54	MP2B	Z	2.297	2.297	0	%100
55	MP3B	X	-1.326	-1.326	0	%100
56	MP3B	Z	2.297	2.297	0	%100
57	MP4B	X	-1.326	-1.326	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	2.297	2.297	0	%100
59	MP5B	X	-1.326	-1.326	0	%100
60	MP5B	Z	2.297	2.297	0	%100
61	M56A	X	-1.101	-1.101	0	%100
62	M56A	Z	1.908	1.908	0	%100
63	M71	X	-1.101	-1.101	0	%100
64	M71	Z	1.908	1.908	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-1.092	-1.092	0	%100
68	M74	Z	1.891	1.891	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	-1.092	-1.092	0	%100
72	M88	Z	1.891	1.891	0	%100
73	M73A	X	-1.091	-1.091	0	%100
74	M73A	Z	1.89	1.89	0	%100
75	M74A	X	-1.091	-1.091	0	%100
76	M74A	Z	1.89	1.89	0	%100
77	M75	X	-2.05	-2.05	0	%100
78	M75	Z	3.55	3.55	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.597	-1.597	0	%100
2	M1	Z	.922	.922	0	%100
3	M2	X	-1.84	-1.84	0	%100
4	M2	Z	1.062	1.062	0	%100
5	M5	X	-2.354	-2.354	0	%100
6	M5	Z	1.359	1.359	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-2.354	-2.354	0	%100
10	M7	Z	1.359	1.359	0	%100
11	M6A	X	-.898	-.898	0	%100
12	M6A	Z	.518	.518	0	%100
13	FACE	X	-.898	-.898	0	%100
14	FACE	Z	.518	.518	0	%100
15	MP1A	X	-2.297	-2.297	0	%100
16	MP1A	Z	1.326	1.326	0	%100
17	M23A	X	-3.591	-3.591	0	%100
18	M23A	Z	2.073	2.073	0	%100
19	M24	X	-3.591	-3.591	0	%100
20	M24	Z	2.073	2.073	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-.898	-.898	0	%100
24	M39A	Z	.518	.518	0	%100
25	M40	X	-.898	-.898	0	%100
26	M40	Z	.518	.518	0	%100
27	M54	X	-1.597	-1.597	0	%100
28	M54	Z	.922	.922	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-1.84	-1.84	0	%100
32	M56	Z	1.062	1.062	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP2A	X	-2.297	-2.297	0	%100
34	MP2A	Z	1.326	1.326	0	%100
35	MP3A	X	-2.297	-2.297	0	%100
36	MP3A	Z	1.326	1.326	0	%100
37	MP4A	X	-2.297	-2.297	0	%100
38	MP4A	Z	1.326	1.326	0	%100
39	MP5A	X	-2.297	-2.297	0	%100
40	MP5A	Z	1.326	1.326	0	%100
41	MP1C	X	-2.297	-2.297	0	%100
42	MP1C	Z	1.326	1.326	0	%100
43	MP2C	X	-2.297	-2.297	0	%100
44	MP2C	Z	1.326	1.326	0	%100
45	MP3C	X	-2.297	-2.297	0	%100
46	MP3C	Z	1.326	1.326	0	%100
47	MP4C	X	-2.297	-2.297	0	%100
48	MP4C	Z	1.326	1.326	0	%100
49	MP5C	X	-2.297	-2.297	0	%100
50	MP5C	Z	1.326	1.326	0	%100
51	MP1B	X	-2.297	-2.297	0	%100
52	MP1B	Z	1.326	1.326	0	%100
53	MP2B	X	-2.297	-2.297	0	%100
54	MP2B	Z	1.326	1.326	0	%100
55	MP3B	X	-2.297	-2.297	0	%100
56	MP3B	Z	1.326	1.326	0	%100
57	MP4B	X	-2.297	-2.297	0	%100
58	MP4B	Z	1.326	1.326	0	%100
59	MP5B	X	-2.297	-2.297	0	%100
60	MP5B	Z	1.326	1.326	0	%100
61	M56A	X	-.636	-.636	0	%100
62	M56A	Z	.367	.367	0	%100
63	M71	X	-2.544	-2.544	0	%100
64	M71	Z	1.469	1.469	0	%100
65	M87	X	-.636	-.636	0	%100
66	M87	Z	.367	.367	0	%100
67	M74	X	-2.522	-2.522	0	%100
68	M74	Z	1.456	1.456	0	%100
69	M81	X	-.63	-.63	0	%100
70	M81	Z	.364	.364	0	%100
71	M88	X	-.63	-.63	0	%100
72	M88	Z	.364	.364	0	%100
73	M73A	X	-2.997	-2.997	0	%100
74	M73A	Z	1.73	1.73	0	%100
75	M74A	X	-1.337	-1.337	0	%100
76	M74A	Z	.772	.772	0	%100
77	M75	X	-2.997	-2.997	0	%100
78	M75	Z	1.73	1.73	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.458	-2.458	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-2.833	-2.833	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-3.624	-3.624	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.906	-.906	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M6	Z	0	0	0	%100
9	M7	X	-.906	-.906	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	-2.652	-2.652	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	-3.11	-3.11	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	-3.11	-3.11	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-.615	-.615	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-3.11	-3.11	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	-3.11	-3.11	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-.615	-.615	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-.708	-.708	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-.708	-.708	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-2.652	-2.652	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-2.652	-2.652	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-2.652	-2.652	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-2.652	-2.652	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	-2.652	-2.652	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-2.652	-2.652	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-2.652	-2.652	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-2.652	-2.652	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	-2.652	-2.652	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	-2.652	-2.652	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	-2.652	-2.652	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	-2.652	-2.652	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	-2.652	-2.652	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	-2.652	-2.652	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	-2.203	-2.203	0	%100
64	M71	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M87	X	-2.203	-2.203	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-2.184	-2.184	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-2.184	-2.184	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	-4.1	-4.1	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-2.183	-2.183	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	-2.183	-2.183	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.597	-1.597	0	%100
2	M1	Z	-.922	-.922	0	%100
3	M2	X	-1.84	-1.84	0	%100
4	M2	Z	-1.062	-1.062	0	%100
5	M5	X	-2.354	-2.354	0	%100
6	M5	Z	-1.359	-1.359	0	%100
7	M6	X	-2.354	-2.354	0	%100
8	M6	Z	-1.359	-1.359	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.898	-.898	0	%100
12	M6A	Z	-.518	-.518	0	%100
13	FACE	X	-.898	-.898	0	%100
14	FACE	Z	-.518	-.518	0	%100
15	MP1A	X	-2.297	-2.297	0	%100
16	MP1A	Z	-1.326	-1.326	0	%100
17	M23A	X	-.898	-.898	0	%100
18	M23A	Z	-.518	-.518	0	%100
19	M24	X	-.898	-.898	0	%100
20	M24	Z	-.518	-.518	0	%100
21	M38	X	-1.597	-1.597	0	%100
22	M38	Z	-.922	-.922	0	%100
23	M39A	X	-3.591	-3.591	0	%100
24	M39A	Z	-2.073	-2.073	0	%100
25	M40	X	-3.591	-3.591	0	%100
26	M40	Z	-2.073	-2.073	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-1.84	-1.84	0	%100
30	M55	Z	-1.062	-1.062	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-2.297	-2.297	0	%100
34	MP2A	Z	-1.326	-1.326	0	%100
35	MP3A	X	-2.297	-2.297	0	%100
36	MP3A	Z	-1.326	-1.326	0	%100
37	MP4A	X	-2.297	-2.297	0	%100
38	MP4A	Z	-1.326	-1.326	0	%100
39	MP5A	X	-2.297	-2.297	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP5A	Z	-1.326	-1.326	0	%100
41	MP1C	X	-2.297	-2.297	0	%100
42	MP1C	Z	-1.326	-1.326	0	%100
43	MP2C	X	-2.297	-2.297	0	%100
44	MP2C	Z	-1.326	-1.326	0	%100
45	MP3C	X	-2.297	-2.297	0	%100
46	MP3C	Z	-1.326	-1.326	0	%100
47	MP4C	X	-2.297	-2.297	0	%100
48	MP4C	Z	-1.326	-1.326	0	%100
49	MP5C	X	-2.297	-2.297	0	%100
50	MP5C	Z	-1.326	-1.326	0	%100
51	MP1B	X	-2.297	-2.297	0	%100
52	MP1B	Z	-1.326	-1.326	0	%100
53	MP2B	X	-2.297	-2.297	0	%100
54	MP2B	Z	-1.326	-1.326	0	%100
55	MP3B	X	-2.297	-2.297	0	%100
56	MP3B	Z	-1.326	-1.326	0	%100
57	MP4B	X	-2.297	-2.297	0	%100
58	MP4B	Z	-1.326	-1.326	0	%100
59	MP5B	X	-2.297	-2.297	0	%100
60	MP5B	Z	-1.326	-1.326	0	%100
61	M56A	X	-.636	-.636	0	%100
62	M56A	Z	-.367	-.367	0	%100
63	M71	X	-.636	-.636	0	%100
64	M71	Z	-.367	-.367	0	%100
65	M87	X	-2.544	-2.544	0	%100
66	M87	Z	-1.469	-1.469	0	%100
67	M74	X	-.63	-.63	0	%100
68	M74	Z	-.364	-.364	0	%100
69	M81	X	-2.522	-2.522	0	%100
70	M81	Z	-1.456	-1.456	0	%100
71	M88	X	-.63	-.63	0	%100
72	M88	Z	-.364	-.364	0	%100
73	M73A	X	-2.997	-2.997	0	%100
74	M73A	Z	-1.73	-1.73	0	%100
75	M74A	X	-2.997	-2.997	0	%100
76	M74A	Z	-1.73	-1.73	0	%100
77	M75	X	-1.337	-1.337	0	%100
78	M75	Z	-.772	-.772	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.307	-.307	0	%100
2	M1	Z	-.532	-.532	0	%100
3	M2	X	-.354	-.354	0	%100
4	M2	Z	-.613	-.613	0	%100
5	M5	X	-.453	-.453	0	%100
6	M5	Z	-.785	-.785	0	%100
7	M6	X	-1.812	-1.812	0	%100
8	M6	Z	-3.139	-3.139	0	%100
9	M7	X	-.453	-.453	0	%100
10	M7	Z	-.785	-.785	0	%100
11	M6A	X	-1.555	-1.555	0	%100
12	M6A	Z	-2.694	-2.694	0	%100
13	FACE	X	-1.555	-1.555	0	%100
14	FACE	Z	-2.694	-2.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	MP1A	X	-1.326	-1.326	0	%100
16	MP1A	Z	-2.297	-2.297	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-1.229	-1.229	0	%100
22	M38	Z	-2.129	-2.129	0	%100
23	M39A	X	-1.555	-1.555	0	%100
24	M39A	Z	-2.694	-2.694	0	%100
25	M40	X	-1.555	-1.555	0	%100
26	M40	Z	-2.694	-2.694	0	%100
27	M54	X	-.307	-.307	0	%100
28	M54	Z	-.532	-.532	0	%100
29	M55	X	-1.417	-1.417	0	%100
30	M55	Z	-2.454	-2.454	0	%100
31	M56	X	-.354	-.354	0	%100
32	M56	Z	-.613	-.613	0	%100
33	MP2A	X	-1.326	-1.326	0	%100
34	MP2A	Z	-2.297	-2.297	0	%100
35	MP3A	X	-1.326	-1.326	0	%100
36	MP3A	Z	-2.297	-2.297	0	%100
37	MP4A	X	-1.326	-1.326	0	%100
38	MP4A	Z	-2.297	-2.297	0	%100
39	MP5A	X	-1.326	-1.326	0	%100
40	MP5A	Z	-2.297	-2.297	0	%100
41	MP1C	X	-1.326	-1.326	0	%100
42	MP1C	Z	-2.297	-2.297	0	%100
43	MP2C	X	-1.326	-1.326	0	%100
44	MP2C	Z	-2.297	-2.297	0	%100
45	MP3C	X	-1.326	-1.326	0	%100
46	MP3C	Z	-2.297	-2.297	0	%100
47	MP4C	X	-1.326	-1.326	0	%100
48	MP4C	Z	-2.297	-2.297	0	%100
49	MP5C	X	-1.326	-1.326	0	%100
50	MP5C	Z	-2.297	-2.297	0	%100
51	MP1B	X	-1.326	-1.326	0	%100
52	MP1B	Z	-2.297	-2.297	0	%100
53	MP2B	X	-1.326	-1.326	0	%100
54	MP2B	Z	-2.297	-2.297	0	%100
55	MP3B	X	-1.326	-1.326	0	%100
56	MP3B	Z	-2.297	-2.297	0	%100
57	MP4B	X	-1.326	-1.326	0	%100
58	MP4B	Z	-2.297	-2.297	0	%100
59	MP5B	X	-1.326	-1.326	0	%100
60	MP5B	Z	-2.297	-2.297	0	%100
61	M56A	X	-1.101	-1.101	0	%100
62	M56A	Z	-1.908	-1.908	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	-1.101	-1.101	0	%100
66	M87	Z	-1.908	-1.908	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-1.092	-1.092	0	%100
70	M81	Z	-1.891	-1.891	0	%100
71	M88	X	-1.092	-1.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	M88	Z	-1.891	-1.891	0	%100
73	M73A	X	-1.091	-1.091	0	%100
74	M73A	Z	-1.89	-1.89	0	%100
75	M74A	X	-2.05	-2.05	0	%100
76	M74A	Z	-3.55	-3.55	0	%100
77	M75	X	-1.091	-1.091	0	%100
78	M75	Z	-1.89	-1.89	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	-.653	-.653	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	-.653	-.653	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	-1.025	-1.025	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-1.025	-1.025	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-.487	-.487	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	-.256	-.256	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	-.256	-.256	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	-.439	-.439	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	-.256	-.256	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	-.256	-.256	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	-.439	-.439	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	-.508	-.508	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	-.508	-.508	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	-.487	-.487	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	-.487	-.487	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	-.487	-.487	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	-.487	-.487	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	-.487	-.487	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	-.487	-.487	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	-.487	-.487	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP4C	X	0	0	0	%100
48	MP4C	Z	-.487	-.487	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	-.487	-.487	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	-.487	-.487	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	-.487	-.487	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	-.487	-.487	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	-.487	-.487	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	-.487	-.487	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	-.589	-.589	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	-.147	-.147	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	-.147	-.147	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	-.179	-.179	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	-.179	-.179	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	-.717	-.717	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	-.439	-.439	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	-.865	-.865	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.865	-.865	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.073	.073	0	%100
2	M1	Z	-.127	-.127	0	%100
3	M2	X	.085	.085	0	%100
4	M2	Z	-.147	-.147	0	%100
5	M5	X	.109	.109	0	%100
6	M5	Z	-.189	-.189	0	%100
7	M6	X	.109	.109	0	%100
8	M6	Z	-.189	-.189	0	%100
9	M7	X	.436	.436	0	%100
10	M7	Z	-.754	-.754	0	%100
11	M6A	X	.384	.384	0	%100
12	M6A	Z	-.666	-.666	0	%100
13	FACE	X	.384	.384	0	%100
14	FACE	Z	-.666	-.666	0	%100
15	MP1A	X	.243	.243	0	%100
16	MP1A	Z	-.422	-.422	0	%100
17	M23A	X	.384	.384	0	%100
18	M23A	Z	-.666	-.666	0	%100
19	M24	X	.384	.384	0	%100
20	M24	Z	-.666	-.666	0	%100
21	M38	X	.073	.073	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M38	Z	-.127	-.127	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	.293	.293	0	%100
28	M54	Z	-.507	-.507	0	%100
29	M55	X	.085	.085	0	%100
30	M55	Z	-.147	-.147	0	%100
31	M56	X	.339	.339	0	%100
32	M56	Z	-.587	-.587	0	%100
33	MP2A	X	.243	.243	0	%100
34	MP2A	Z	-.422	-.422	0	%100
35	MP3A	X	.243	.243	0	%100
36	MP3A	Z	-.422	-.422	0	%100
37	MP4A	X	.243	.243	0	%100
38	MP4A	Z	-.422	-.422	0	%100
39	MP5A	X	.243	.243	0	%100
40	MP5A	Z	-.422	-.422	0	%100
41	MP1C	X	.243	.243	0	%100
42	MP1C	Z	-.422	-.422	0	%100
43	MP2C	X	.243	.243	0	%100
44	MP2C	Z	-.422	-.422	0	%100
45	MP3C	X	.243	.243	0	%100
46	MP3C	Z	-.422	-.422	0	%100
47	MP4C	X	.243	.243	0	%100
48	MP4C	Z	-.422	-.422	0	%100
49	MP5C	X	.243	.243	0	%100
50	MP5C	Z	-.422	-.422	0	%100
51	MP1B	X	.243	.243	0	%100
52	MP1B	Z	-.422	-.422	0	%100
53	MP2B	X	.243	.243	0	%100
54	MP2B	Z	-.422	-.422	0	%100
55	MP3B	X	.243	.243	0	%100
56	MP3B	Z	-.422	-.422	0	%100
57	MP4B	X	.243	.243	0	%100
58	MP4B	Z	-.422	-.422	0	%100
59	MP5B	X	.243	.243	0	%100
60	MP5B	Z	-.422	-.422	0	%100
61	M56A	X	.221	.221	0	%100
62	M56A	Z	-.383	-.383	0	%100
63	M71	X	.221	.221	0	%100
64	M71	Z	-.383	-.383	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	.269	.269	0	%100
68	M74	Z	-.466	-.466	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	.269	.269	0	%100
72	M88	Z	-.466	-.466	0	%100
73	M73A	X	.29	.29	0	%100
74	M73A	Z	-.503	-.503	0	%100
75	M74A	X	.29	.29	0	%100
76	M74A	Z	-.503	-.503	0	%100
77	M75	X	.504	.504	0	%100
78	M75	Z	-.873	-.873	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.38	.38	0	%100
2	M1	Z	-.22	-.22	0	%100
3	M2	X	.44	.44	0	%100
4	M2	Z	-.254	-.254	0	%100
5	M5	X	.566	.566	0	%100
6	M5	Z	-.327	-.327	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.566	.566	0	%100
10	M7	Z	-.327	-.327	0	%100
11	M6A	X	.222	.222	0	%100
12	M6A	Z	-.128	-.128	0	%100
13	FACE	X	.222	.222	0	%100
14	FACE	Z	-.128	-.128	0	%100
15	MP1A	X	.422	.422	0	%100
16	MP1A	Z	-.243	-.243	0	%100
17	M23A	X	.887	.887	0	%100
18	M23A	Z	-.512	-.512	0	%100
19	M24	X	.887	.887	0	%100
20	M24	Z	-.512	-.512	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	.222	.222	0	%100
24	M39A	Z	-.128	-.128	0	%100
25	M40	X	.222	.222	0	%100
26	M40	Z	-.128	-.128	0	%100
27	M54	X	.38	.38	0	%100
28	M54	Z	-.22	-.22	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	.44	.44	0	%100
32	M56	Z	-.254	-.254	0	%100
33	MP2A	X	.422	.422	0	%100
34	MP2A	Z	-.243	-.243	0	%100
35	MP3A	X	.422	.422	0	%100
36	MP3A	Z	-.243	-.243	0	%100
37	MP4A	X	.422	.422	0	%100
38	MP4A	Z	-.243	-.243	0	%100
39	MP5A	X	.422	.422	0	%100
40	MP5A	Z	-.243	-.243	0	%100
41	MP1C	X	.422	.422	0	%100
42	MP1C	Z	-.243	-.243	0	%100
43	MP2C	X	.422	.422	0	%100
44	MP2C	Z	-.243	-.243	0	%100
45	MP3C	X	.422	.422	0	%100
46	MP3C	Z	-.243	-.243	0	%100
47	MP4C	X	.422	.422	0	%100
48	MP4C	Z	-.243	-.243	0	%100
49	MP5C	X	.422	.422	0	%100
50	MP5C	Z	-.243	-.243	0	%100
51	MP1B	X	.422	.422	0	%100
52	MP1B	Z	-.243	-.243	0	%100
53	MP2B	X	.422	.422	0	%100
54	MP2B	Z	-.243	-.243	0	%100
55	MP3B	X	.422	.422	0	%100
56	MP3B	Z	-.243	-.243	0	%100
57	MP4B	X	.422	.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	-.243	-.243	0	%100
59	MP5B	X	.422	.422	0	%100
60	MP5B	Z	-.243	-.243	0	%100
61	M56A	X	.128	.128	0	%100
62	M56A	Z	-.074	-.074	0	%100
63	M71	X	.51	.51	0	%100
64	M71	Z	-.295	-.295	0	%100
65	M87	X	.128	.128	0	%100
66	M87	Z	-.074	-.074	0	%100
67	M74	X	.621	.621	0	%100
68	M74	Z	-.359	-.359	0	%100
69	M81	X	.155	.155	0	%100
70	M81	Z	-.09	-.09	0	%100
71	M88	X	.155	.155	0	%100
72	M88	Z	-.09	-.09	0	%100
73	M73A	X	.75	.75	0	%100
74	M73A	Z	-.433	-.433	0	%100
75	M74A	X	.38	.38	0	%100
76	M74A	Z	-.219	-.219	0	%100
77	M75	X	.75	.75	0	%100
78	M75	Z	-.433	-.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.586	.586	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.677	.677	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	.871	.871	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	.218	.218	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	.218	.218	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	.487	.487	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	.769	.769	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	.769	.769	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	.146	.146	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	.769	.769	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	.769	.769	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	.146	.146	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	.169	.169	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	.169	.169	0	%100
32	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP2A	X	.487	.487	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	.487	.487	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	.487	.487	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	.487	.487	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	.487	.487	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	.487	.487	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	.487	.487	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	.487	.487	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	.487	.487	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	.487	.487	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	.487	.487	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	.487	.487	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	.487	.487	0	%100
58	MP4B	Z	0	0	0	%100
59	MP5B	X	.487	.487	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	.442	.442	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	.442	.442	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	.538	.538	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	.538	.538	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	1.008	1.008	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	.581	.581	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	.581	.581	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.38	.38	0	%100
2	M1	Z	.22	.22	0	%100
3	M2	X	.44	.44	0	%100
4	M2	Z	.254	.254	0	%100
5	M5	X	.566	.566	0	%100
6	M5	Z	.327	.327	0	%100
7	M6	X	.566	.566	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M6	Z	.327	.327	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	.222	.222	0	%100
12	M6A	Z	.128	.128	0	%100
13	FACE	X	.222	.222	0	%100
14	FACE	Z	.128	.128	0	%100
15	MP1A	X	.422	.422	0	%100
16	MP1A	Z	.243	.243	0	%100
17	M23A	X	.222	.222	0	%100
18	M23A	Z	.128	.128	0	%100
19	M24	X	.222	.222	0	%100
20	M24	Z	.128	.128	0	%100
21	M38	X	.38	.38	0	%100
22	M38	Z	.22	.22	0	%100
23	M39A	X	.887	.887	0	%100
24	M39A	Z	.512	.512	0	%100
25	M40	X	.887	.887	0	%100
26	M40	Z	.512	.512	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	.44	.44	0	%100
30	M55	Z	.254	.254	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	.422	.422	0	%100
34	MP2A	Z	.243	.243	0	%100
35	MP3A	X	.422	.422	0	%100
36	MP3A	Z	.243	.243	0	%100
37	MP4A	X	.422	.422	0	%100
38	MP4A	Z	.243	.243	0	%100
39	MP5A	X	.422	.422	0	%100
40	MP5A	Z	.243	.243	0	%100
41	MP1C	X	.422	.422	0	%100
42	MP1C	Z	.243	.243	0	%100
43	MP2C	X	.422	.422	0	%100
44	MP2C	Z	.243	.243	0	%100
45	MP3C	X	.422	.422	0	%100
46	MP3C	Z	.243	.243	0	%100
47	MP4C	X	.422	.422	0	%100
48	MP4C	Z	.243	.243	0	%100
49	MP5C	X	.422	.422	0	%100
50	MP5C	Z	.243	.243	0	%100
51	MP1B	X	.422	.422	0	%100
52	MP1B	Z	.243	.243	0	%100
53	MP2B	X	.422	.422	0	%100
54	MP2B	Z	.243	.243	0	%100
55	MP3B	X	.422	.422	0	%100
56	MP3B	Z	.243	.243	0	%100
57	MP4B	X	.422	.422	0	%100
58	MP4B	Z	.243	.243	0	%100
59	MP5B	X	.422	.422	0	%100
60	MP5B	Z	.243	.243	0	%100
61	M56A	X	.128	.128	0	%100
62	M56A	Z	.074	.074	0	%100
63	M71	X	.128	.128	0	%100
64	M71	Z	.074	.074	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M87	X	.51	.51	0	%100
66	M87	Z	.295	.295	0	%100
67	M74	X	.155	.155	0	%100
68	M74	Z	.09	.09	0	%100
69	M81	X	.621	.621	0	%100
70	M81	Z	.359	.359	0	%100
71	M88	X	.155	.155	0	%100
72	M88	Z	.09	.09	0	%100
73	M73A	X	.75	.75	0	%100
74	M73A	Z	.433	.433	0	%100
75	M74A	X	.75	.75	0	%100
76	M74A	Z	.433	.433	0	%100
77	M75	X	.38	.38	0	%100
78	M75	Z	.219	.219	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.073	.073	0	%100
2	M1	Z	.127	.127	0	%100
3	M2	X	.085	.085	0	%100
4	M2	Z	.147	.147	0	%100
5	M5	X	.109	.109	0	%100
6	M5	Z	.189	.189	0	%100
7	M6	X	.436	.436	0	%100
8	M6	Z	.754	.754	0	%100
9	M7	X	.109	.109	0	%100
10	M7	Z	.189	.189	0	%100
11	M6A	X	.384	.384	0	%100
12	M6A	Z	.666	.666	0	%100
13	FACE	X	.384	.384	0	%100
14	FACE	Z	.666	.666	0	%100
15	MP1A	X	.243	.243	0	%100
16	MP1A	Z	.422	.422	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	.293	.293	0	%100
22	M38	Z	.507	.507	0	%100
23	M39A	X	.384	.384	0	%100
24	M39A	Z	.666	.666	0	%100
25	M40	X	.384	.384	0	%100
26	M40	Z	.666	.666	0	%100
27	M54	X	.073	.073	0	%100
28	M54	Z	.127	.127	0	%100
29	M55	X	.339	.339	0	%100
30	M55	Z	.587	.587	0	%100
31	M56	X	.085	.085	0	%100
32	M56	Z	.147	.147	0	%100
33	MP2A	X	.243	.243	0	%100
34	MP2A	Z	.422	.422	0	%100
35	MP3A	X	.243	.243	0	%100
36	MP3A	Z	.422	.422	0	%100
37	MP4A	X	.243	.243	0	%100
38	MP4A	Z	.422	.422	0	%100
39	MP5A	X	.243	.243	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	MP5A	Z	.422	.422	0	%100
41	MP1C	X	.243	.243	0	%100
42	MP1C	Z	.422	.422	0	%100
43	MP2C	X	.243	.243	0	%100
44	MP2C	Z	.422	.422	0	%100
45	MP3C	X	.243	.243	0	%100
46	MP3C	Z	.422	.422	0	%100
47	MP4C	X	.243	.243	0	%100
48	MP4C	Z	.422	.422	0	%100
49	MP5C	X	.243	.243	0	%100
50	MP5C	Z	.422	.422	0	%100
51	MP1B	X	.243	.243	0	%100
52	MP1B	Z	.422	.422	0	%100
53	MP2B	X	.243	.243	0	%100
54	MP2B	Z	.422	.422	0	%100
55	MP3B	X	.243	.243	0	%100
56	MP3B	Z	.422	.422	0	%100
57	MP4B	X	.243	.243	0	%100
58	MP4B	Z	.422	.422	0	%100
59	MP5B	X	.243	.243	0	%100
60	MP5B	Z	.422	.422	0	%100
61	M56A	X	.221	.221	0	%100
62	M56A	Z	.383	.383	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	.221	.221	0	%100
66	M87	Z	.383	.383	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	.269	.269	0	%100
70	M81	Z	.466	.466	0	%100
71	M88	X	.269	.269	0	%100
72	M88	Z	.466	.466	0	%100
73	M73A	X	.29	.29	0	%100
74	M73A	Z	.503	.503	0	%100
75	M74A	X	.504	.504	0	%100
76	M74A	Z	.873	.873	0	%100
77	M75	X	.29	.29	0	%100
78	M75	Z	.503	.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	0	0	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	.653	.653	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	.653	.653	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	1.025	1.025	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	1.025	1.025	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	MP1A	X	0	0	0	%100
16	MP1A	Z	.487	.487	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	.256	.256	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	.256	.256	0	%100
21	M38	X	0	0	0	%100
22	M38	Z	.439	.439	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	.256	.256	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	.256	.256	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	.439	.439	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	.508	.508	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	.508	.508	0	%100
33	MP2A	X	0	0	0	%100
34	MP2A	Z	.487	.487	0	%100
35	MP3A	X	0	0	0	%100
36	MP3A	Z	.487	.487	0	%100
37	MP4A	X	0	0	0	%100
38	MP4A	Z	.487	.487	0	%100
39	MP5A	X	0	0	0	%100
40	MP5A	Z	.487	.487	0	%100
41	MP1C	X	0	0	0	%100
42	MP1C	Z	.487	.487	0	%100
43	MP2C	X	0	0	0	%100
44	MP2C	Z	.487	.487	0	%100
45	MP3C	X	0	0	0	%100
46	MP3C	Z	.487	.487	0	%100
47	MP4C	X	0	0	0	%100
48	MP4C	Z	.487	.487	0	%100
49	MP5C	X	0	0	0	%100
50	MP5C	Z	.487	.487	0	%100
51	MP1B	X	0	0	0	%100
52	MP1B	Z	.487	.487	0	%100
53	MP2B	X	0	0	0	%100
54	MP2B	Z	.487	.487	0	%100
55	MP3B	X	0	0	0	%100
56	MP3B	Z	.487	.487	0	%100
57	MP4B	X	0	0	0	%100
58	MP4B	Z	.487	.487	0	%100
59	MP5B	X	0	0	0	%100
60	MP5B	Z	.487	.487	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	.589	.589	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	.147	.147	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	.147	.147	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	.179	.179	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	.179	.179	0	%100
71	M88	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
72	M88	Z	.717	.717	0	%100
73	M73A	X	0	0	0	%100
74	M73A	Z	.439	.439	0	%100
75	M74A	X	0	0	0	%100
76	M74A	Z	.865	.865	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.865	.865	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.073	-.073	0	%100
2	M1	Z	.127	.127	0	%100
3	M2	X	-.085	-.085	0	%100
4	M2	Z	.147	.147	0	%100
5	M5	X	-.109	-.109	0	%100
6	M5	Z	.189	.189	0	%100
7	M6	X	-.109	-.109	0	%100
8	M6	Z	.189	.189	0	%100
9	M7	X	-.436	-.436	0	%100
10	M7	Z	.754	.754	0	%100
11	M6A	X	-.384	-.384	0	%100
12	M6A	Z	.666	.666	0	%100
13	FACE	X	-.384	-.384	0	%100
14	FACE	Z	.666	.666	0	%100
15	MP1A	X	-.243	-.243	0	%100
16	MP1A	Z	.422	.422	0	%100
17	M23A	X	-.384	-.384	0	%100
18	M23A	Z	.666	.666	0	%100
19	M24	X	-.384	-.384	0	%100
20	M24	Z	.666	.666	0	%100
21	M38	X	-.073	-.073	0	%100
22	M38	Z	.127	.127	0	%100
23	M39A	X	0	0	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	0	0	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-.293	-.293	0	%100
28	M54	Z	.507	.507	0	%100
29	M55	X	-.085	-.085	0	%100
30	M55	Z	.147	.147	0	%100
31	M56	X	-.339	-.339	0	%100
32	M56	Z	.587	.587	0	%100
33	MP2A	X	-.243	-.243	0	%100
34	MP2A	Z	.422	.422	0	%100
35	MP3A	X	-.243	-.243	0	%100
36	MP3A	Z	.422	.422	0	%100
37	MP4A	X	-.243	-.243	0	%100
38	MP4A	Z	.422	.422	0	%100
39	MP5A	X	-.243	-.243	0	%100
40	MP5A	Z	.422	.422	0	%100
41	MP1C	X	-.243	-.243	0	%100
42	MP1C	Z	.422	.422	0	%100
43	MP2C	X	-.243	-.243	0	%100
44	MP2C	Z	.422	.422	0	%100
45	MP3C	X	-.243	-.243	0	%100
46	MP3C	Z	.422	.422	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
47	MP4C	X	-.243	-.243	0	%100
48	MP4C	Z	.422	.422	0	%100
49	MP5C	X	-.243	-.243	0	%100
50	MP5C	Z	.422	.422	0	%100
51	MP1B	X	-.243	-.243	0	%100
52	MP1B	Z	.422	.422	0	%100
53	MP2B	X	-.243	-.243	0	%100
54	MP2B	Z	.422	.422	0	%100
55	MP3B	X	-.243	-.243	0	%100
56	MP3B	Z	.422	.422	0	%100
57	MP4B	X	-.243	-.243	0	%100
58	MP4B	Z	.422	.422	0	%100
59	MP5B	X	-.243	-.243	0	%100
60	MP5B	Z	.422	.422	0	%100
61	M56A	X	-.221	-.221	0	%100
62	M56A	Z	.383	.383	0	%100
63	M71	X	-.221	-.221	0	%100
64	M71	Z	.383	.383	0	%100
65	M87	X	0	0	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-.269	-.269	0	%100
68	M74	Z	.466	.466	0	%100
69	M81	X	0	0	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	-.269	-.269	0	%100
72	M88	Z	.466	.466	0	%100
73	M73A	X	-.29	-.29	0	%100
74	M73A	Z	.503	.503	0	%100
75	M74A	X	-.29	-.29	0	%100
76	M74A	Z	.503	.503	0	%100
77	M75	X	-.504	-.504	0	%100
78	M75	Z	.873	.873	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.38	-.38	0	%100
2	M1	Z	.22	.22	0	%100
3	M2	X	-.44	-.44	0	%100
4	M2	Z	.254	.254	0	%100
5	M5	X	-.566	-.566	0	%100
6	M5	Z	.327	.327	0	%100
7	M6	X	0	0	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.566	-.566	0	%100
10	M7	Z	.327	.327	0	%100
11	M6A	X	-.222	-.222	0	%100
12	M6A	Z	.128	.128	0	%100
13	FACE	X	-.222	-.222	0	%100
14	FACE	Z	.128	.128	0	%100
15	MP1A	X	-.422	-.422	0	%100
16	MP1A	Z	.243	.243	0	%100
17	M23A	X	-.887	-.887	0	%100
18	M23A	Z	.512	.512	0	%100
19	M24	X	-.887	-.887	0	%100
20	M24	Z	.512	.512	0	%100
21	M38	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M38	Z	0	0	0	%100
23	M39A	X	-.222	-.222	0	%100
24	M39A	Z	.128	.128	0	%100
25	M40	X	-.222	-.222	0	%100
26	M40	Z	.128	.128	0	%100
27	M54	X	-.38	-.38	0	%100
28	M54	Z	.22	.22	0	%100
29	M55	X	0	0	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-.44	-.44	0	%100
32	M56	Z	.254	.254	0	%100
33	MP2A	X	-.422	-.422	0	%100
34	MP2A	Z	.243	.243	0	%100
35	MP3A	X	-.422	-.422	0	%100
36	MP3A	Z	.243	.243	0	%100
37	MP4A	X	-.422	-.422	0	%100
38	MP4A	Z	.243	.243	0	%100
39	MP5A	X	-.422	-.422	0	%100
40	MP5A	Z	.243	.243	0	%100
41	MP1C	X	-.422	-.422	0	%100
42	MP1C	Z	.243	.243	0	%100
43	MP2C	X	-.422	-.422	0	%100
44	MP2C	Z	.243	.243	0	%100
45	MP3C	X	-.422	-.422	0	%100
46	MP3C	Z	.243	.243	0	%100
47	MP4C	X	-.422	-.422	0	%100
48	MP4C	Z	.243	.243	0	%100
49	MP5C	X	-.422	-.422	0	%100
50	MP5C	Z	.243	.243	0	%100
51	MP1B	X	-.422	-.422	0	%100
52	MP1B	Z	.243	.243	0	%100
53	MP2B	X	-.422	-.422	0	%100
54	MP2B	Z	.243	.243	0	%100
55	MP3B	X	-.422	-.422	0	%100
56	MP3B	Z	.243	.243	0	%100
57	MP4B	X	-.422	-.422	0	%100
58	MP4B	Z	.243	.243	0	%100
59	MP5B	X	-.422	-.422	0	%100
60	MP5B	Z	.243	.243	0	%100
61	M56A	X	-.128	-.128	0	%100
62	M56A	Z	.074	.074	0	%100
63	M71	X	-.51	-.51	0	%100
64	M71	Z	.295	.295	0	%100
65	M87	X	-.128	-.128	0	%100
66	M87	Z	.074	.074	0	%100
67	M74	X	-.621	-.621	0	%100
68	M74	Z	.359	.359	0	%100
69	M81	X	-.155	-.155	0	%100
70	M81	Z	.09	.09	0	%100
71	M88	X	-.155	-.155	0	%100
72	M88	Z	.09	.09	0	%100
73	M73A	X	-.75	-.75	0	%100
74	M73A	Z	.433	.433	0	%100
75	M74A	X	-.38	-.38	0	%100
76	M74A	Z	.219	.219	0	%100
77	M75	X	-.75	-.75	0	%100
78	M75	Z	.433	.433	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.586	-.586	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.677	-.677	0	%100
4	M2	Z	0	0	0	%100
5	M5	X	-.871	-.871	0	%100
6	M5	Z	0	0	0	%100
7	M6	X	-.218	-.218	0	%100
8	M6	Z	0	0	0	%100
9	M7	X	-.218	-.218	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	0	0	0	%100
12	M6A	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	MP1A	X	-.487	-.487	0	%100
16	MP1A	Z	0	0	0	%100
17	M23A	X	-.769	-.769	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	-.769	-.769	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-.146	-.146	0	%100
22	M38	Z	0	0	0	%100
23	M39A	X	-.769	-.769	0	%100
24	M39A	Z	0	0	0	%100
25	M40	X	-.769	-.769	0	%100
26	M40	Z	0	0	0	%100
27	M54	X	-.146	-.146	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-.169	-.169	0	%100
30	M55	Z	0	0	0	%100
31	M56	X	-.169	-.169	0	%100
32	M56	Z	0	0	0	%100
33	MP2A	X	-.487	-.487	0	%100
34	MP2A	Z	0	0	0	%100
35	MP3A	X	-.487	-.487	0	%100
36	MP3A	Z	0	0	0	%100
37	MP4A	X	-.487	-.487	0	%100
38	MP4A	Z	0	0	0	%100
39	MP5A	X	-.487	-.487	0	%100
40	MP5A	Z	0	0	0	%100
41	MP1C	X	-.487	-.487	0	%100
42	MP1C	Z	0	0	0	%100
43	MP2C	X	-.487	-.487	0	%100
44	MP2C	Z	0	0	0	%100
45	MP3C	X	-.487	-.487	0	%100
46	MP3C	Z	0	0	0	%100
47	MP4C	X	-.487	-.487	0	%100
48	MP4C	Z	0	0	0	%100
49	MP5C	X	-.487	-.487	0	%100
50	MP5C	Z	0	0	0	%100
51	MP1B	X	-.487	-.487	0	%100
52	MP1B	Z	0	0	0	%100
53	MP2B	X	-.487	-.487	0	%100
54	MP2B	Z	0	0	0	%100
55	MP3B	X	-.487	-.487	0	%100
56	MP3B	Z	0	0	0	%100
57	MP4B	X	-.487	-.487	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	MP4B	Z	0	0	0	%100
59	MP5B	X	-.487	-.487	0	%100
60	MP5B	Z	0	0	0	%100
61	M56A	X	0	0	0	%100
62	M56A	Z	0	0	0	%100
63	M71	X	-.442	-.442	0	%100
64	M71	Z	0	0	0	%100
65	M87	X	-.442	-.442	0	%100
66	M87	Z	0	0	0	%100
67	M74	X	-.538	-.538	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-.538	-.538	0	%100
70	M81	Z	0	0	0	%100
71	M88	X	0	0	0	%100
72	M88	Z	0	0	0	%100
73	M73A	X	-1.008	-1.008	0	%100
74	M73A	Z	0	0	0	%100
75	M74A	X	-.581	-.581	0	%100
76	M74A	Z	0	0	0	%100
77	M75	X	-.581	-.581	0	%100
78	M75	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.38	-.38	0	%100
2	M1	Z	-.22	-.22	0	%100
3	M2	X	-.44	-.44	0	%100
4	M2	Z	-.254	-.254	0	%100
5	M5	X	-.566	-.566	0	%100
6	M5	Z	-.327	-.327	0	%100
7	M6	X	-.566	-.566	0	%100
8	M6	Z	-.327	-.327	0	%100
9	M7	X	0	0	0	%100
10	M7	Z	0	0	0	%100
11	M6A	X	-.222	-.222	0	%100
12	M6A	Z	-.128	-.128	0	%100
13	FACE	X	-.222	-.222	0	%100
14	FACE	Z	-.128	-.128	0	%100
15	MP1A	X	-.422	-.422	0	%100
16	MP1A	Z	-.243	-.243	0	%100
17	M23A	X	-.222	-.222	0	%100
18	M23A	Z	-.128	-.128	0	%100
19	M24	X	-.222	-.222	0	%100
20	M24	Z	-.128	-.128	0	%100
21	M38	X	-.38	-.38	0	%100
22	M38	Z	-.22	-.22	0	%100
23	M39A	X	-.887	-.887	0	%100
24	M39A	Z	-.512	-.512	0	%100
25	M40	X	-.887	-.887	0	%100
26	M40	Z	-.512	-.512	0	%100
27	M54	X	0	0	0	%100
28	M54	Z	0	0	0	%100
29	M55	X	-.44	-.44	0	%100
30	M55	Z	-.254	-.254	0	%100
31	M56	X	0	0	0	%100
32	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	MP2A	X	-.422	-.422	0	%100
34	MP2A	Z	-.243	-.243	0	%100
35	MP3A	X	-.422	-.422	0	%100
36	MP3A	Z	-.243	-.243	0	%100
37	MP4A	X	-.422	-.422	0	%100
38	MP4A	Z	-.243	-.243	0	%100
39	MP5A	X	-.422	-.422	0	%100
40	MP5A	Z	-.243	-.243	0	%100
41	MP1C	X	-.422	-.422	0	%100
42	MP1C	Z	-.243	-.243	0	%100
43	MP2C	X	-.422	-.422	0	%100
44	MP2C	Z	-.243	-.243	0	%100
45	MP3C	X	-.422	-.422	0	%100
46	MP3C	Z	-.243	-.243	0	%100
47	MP4C	X	-.422	-.422	0	%100
48	MP4C	Z	-.243	-.243	0	%100
49	MP5C	X	-.422	-.422	0	%100
50	MP5C	Z	-.243	-.243	0	%100
51	MP1B	X	-.422	-.422	0	%100
52	MP1B	Z	-.243	-.243	0	%100
53	MP2B	X	-.422	-.422	0	%100
54	MP2B	Z	-.243	-.243	0	%100
55	MP3B	X	-.422	-.422	0	%100
56	MP3B	Z	-.243	-.243	0	%100
57	MP4B	X	-.422	-.422	0	%100
58	MP4B	Z	-.243	-.243	0	%100
59	MP5B	X	-.422	-.422	0	%100
60	MP5B	Z	-.243	-.243	0	%100
61	M56A	X	-.128	-.128	0	%100
62	M56A	Z	-.074	-.074	0	%100
63	M71	X	-.128	-.128	0	%100
64	M71	Z	-.074	-.074	0	%100
65	M87	X	-.51	-.51	0	%100
66	M87	Z	-.295	-.295	0	%100
67	M74	X	-.155	-.155	0	%100
68	M74	Z	-.09	-.09	0	%100
69	M81	X	-.621	-.621	0	%100
70	M81	Z	-.359	-.359	0	%100
71	M88	X	-.155	-.155	0	%100
72	M88	Z	-.09	-.09	0	%100
73	M73A	X	-.75	-.75	0	%100
74	M73A	Z	-.433	-.433	0	%100
75	M74A	X	-.75	-.75	0	%100
76	M74A	Z	-.433	-.433	0	%100
77	M75	X	-.38	-.38	0	%100
78	M75	Z	-.219	-.219	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.073	-.073	0	%100
2	M1	Z	-.127	-.127	0	%100
3	M2	X	-.085	-.085	0	%100
4	M2	Z	-.147	-.147	0	%100
5	M5	X	-.109	-.109	0	%100
6	M5	Z	-.189	-.189	0	%100
7	M6	X	-.436	-.436	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M6	Z	-.754	-.754	0	%100
9	M7	X	-.109	-.109	0	%100
10	M7	Z	-.189	-.189	0	%100
11	M6A	X	-.384	-.384	0	%100
12	M6A	Z	-.666	-.666	0	%100
13	FACE	X	-.384	-.384	0	%100
14	FACE	Z	-.666	-.666	0	%100
15	MP1A	X	-.243	-.243	0	%100
16	MP1A	Z	-.422	-.422	0	%100
17	M23A	X	0	0	0	%100
18	M23A	Z	0	0	0	%100
19	M24	X	0	0	0	%100
20	M24	Z	0	0	0	%100
21	M38	X	-.293	-.293	0	%100
22	M38	Z	-.507	-.507	0	%100
23	M39A	X	-.384	-.384	0	%100
24	M39A	Z	-.666	-.666	0	%100
25	M40	X	-.384	-.384	0	%100
26	M40	Z	-.666	-.666	0	%100
27	M54	X	-.073	-.073	0	%100
28	M54	Z	-.127	-.127	0	%100
29	M55	X	-.339	-.339	0	%100
30	M55	Z	-.587	-.587	0	%100
31	M56	X	-.085	-.085	0	%100
32	M56	Z	-.147	-.147	0	%100
33	MP2A	X	-.243	-.243	0	%100
34	MP2A	Z	-.422	-.422	0	%100
35	MP3A	X	-.243	-.243	0	%100
36	MP3A	Z	-.422	-.422	0	%100
37	MP4A	X	-.243	-.243	0	%100
38	MP4A	Z	-.422	-.422	0	%100
39	MP5A	X	-.243	-.243	0	%100
40	MP5A	Z	-.422	-.422	0	%100
41	MP1C	X	-.243	-.243	0	%100
42	MP1C	Z	-.422	-.422	0	%100
43	MP2C	X	-.243	-.243	0	%100
44	MP2C	Z	-.422	-.422	0	%100
45	MP3C	X	-.243	-.243	0	%100
46	MP3C	Z	-.422	-.422	0	%100
47	MP4C	X	-.243	-.243	0	%100
48	MP4C	Z	-.422	-.422	0	%100
49	MP5C	X	-.243	-.243	0	%100
50	MP5C	Z	-.422	-.422	0	%100
51	MP1B	X	-.243	-.243	0	%100
52	MP1B	Z	-.422	-.422	0	%100
53	MP2B	X	-.243	-.243	0	%100
54	MP2B	Z	-.422	-.422	0	%100
55	MP3B	X	-.243	-.243	0	%100
56	MP3B	Z	-.422	-.422	0	%100
57	MP4B	X	-.243	-.243	0	%100
58	MP4B	Z	-.422	-.422	0	%100
59	MP5B	X	-.243	-.243	0	%100
60	MP5B	Z	-.422	-.422	0	%100
61	M56A	X	-.221	-.221	0	%100
62	M56A	Z	-.383	-.383	0	%100
63	M71	X	0	0	0	%100
64	M71	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
65	M87	X	-.221	-.221	0	%100
66	M87	Z	-.383	-.383	0	%100
67	M74	X	0	0	0	%100
68	M74	Z	0	0	0	%100
69	M81	X	-.269	-.269	0	%100
70	M81	Z	-.466	-.466	0	%100
71	M88	X	-.269	-.269	0	%100
72	M88	Z	-.466	-.466	0	%100
73	M73A	X	-.29	-.29	0	%100
74	M73A	Z	-.503	-.503	0	%100
75	M74A	X	-.504	-.504	0	%100
76	M74A	Z	-.873	-.873	0	%100
77	M75	X	-.29	-.29	0	%100
78	M75	Z	-.503	-.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-9.499	-9.499	0	2
2	M6	Y	-1.126	-5.212	0	2
3	M6	Y	-5.212	-9.298	2	4
4	M7	Y	-1.126	-5.212	0	2
5	M7	Y	-5.212	-9.298	2	4
6	M6A	Y	-3.98	-3.98	.037	7.397
7	FACE	Y	-1.192	-2.79	0	2.394
8	FACE	Y	-2.79	-3.82	2.394	4.787
9	FACE	Y	-3.82	-4.052	4.787	7.181
10	FACE	Y	-4.052	-3.82	7.181	9.574
11	FACE	Y	-3.82	-2.79	9.574	11.968
12	FACE	Y	-2.79	-1.192	11.968	14.362
13	M5	Y	-1.126	-5.212	0	2
14	M5	Y	-5.212	-9.298	2	4
15	M23A	Y	-3.98	-3.98	.037	7.397
16	M24	Y	-1.192	-2.79	0	2.394
17	M24	Y	-2.79	-3.82	2.394	4.787
18	M24	Y	-3.82	-4.052	4.787	7.181
19	M24	Y	-4.052	-3.82	7.181	9.574
20	M24	Y	-3.82	-2.79	9.574	11.968
21	M24	Y	-2.79	-1.192	11.968	14.362
22	M55	Y	-9.499	-9.499	0	2
23	M39A	Y	-3.98	-3.98	.037	7.397
24	M40	Y	-1.192	-2.79	0	2.394
25	M40	Y	-2.79	-3.82	2.394	4.787
26	M40	Y	-3.82	-4.052	4.787	7.181
27	M40	Y	-4.052	-3.82	7.181	9.574
28	M40	Y	-3.82	-2.79	9.574	11.968
29	M40	Y	-2.79	-1.192	11.968	14.362
30	M56	Y	-9.499	-9.499	3.364e-14	2

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-18.26	-18.26	0	2
2	M6	Y	-2.164	-10.018	0	2
3	M6	Y	-10.018	-17.873	2	4
4	M7	Y	-2.164	-10.018	0	2
5	M7	Y	-10.018	-17.873	2	4
6	M6A	Y	-7.651	-7.651	.037	7.397

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	FACE	Y	-2.292	-5.363	0	2.394
8	FACE	Y	-5.363	-7.344	2.394	4.787
9	FACE	Y	-7.344	-7.789	4.787	7.181
10	FACE	Y	-7.789	-7.344	7.181	9.574
11	FACE	Y	-7.344	-5.363	9.574	11.968
12	FACE	Y	-5.363	-2.292	11.968	14.362
13	M5	Y	-2.164	-10.018	0	2
14	M5	Y	-10.018	-17.873	2	4
15	M23A	Y	-7.651	-7.651	.037	7.397
16	M24	Y	-2.292	-5.363	0	2.394
17	M24	Y	-5.363	-7.344	2.394	4.787
18	M24	Y	-7.344	-7.789	4.787	7.181
19	M24	Y	-7.789	-7.344	7.181	9.574
20	M24	Y	-7.344	-5.363	9.574	11.968
21	M24	Y	-5.363	-2.292	11.968	14.362
22	M55	Y	-18.26	-18.26	0	2
23	M39A	Y	-7.651	-7.651	.037	7.397
24	M40	Y	-2.292	-5.363	0	2.394
25	M40	Y	-5.363	-7.344	2.394	4.787
26	M40	Y	-7.344	-7.789	4.787	7.181
27	M40	Y	-7.789	-7.344	7.181	9.574
28	M40	Y	-7.344	-5.363	9.574	11.968
29	M40	Y	-5.363	-2.292	11.968	14.362
30	M56	Y	-18.26	-18.26	3.364e-14	2

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-.376	-.376	0	2
2	M6	Y	-.045	-.206	0	2
3	M6	Y	-.206	-.368	2	4
4	M7	Y	-.045	-.206	0	2
5	M7	Y	-.206	-.368	2	4
6	M6A	Y	-.158	-.158	.037	7.397
7	FACE	Y	-.047	-.111	0	2.394
8	FACE	Y	-.111	-.151	2.394	4.787
9	FACE	Y	-.151	-.161	4.787	7.181
10	FACE	Y	-.161	-.151	7.181	9.574
11	FACE	Y	-.151	-.111	9.574	11.968
12	FACE	Y	-.111	-.047	11.968	14.362
13	M5	Y	-.045	-.206	0	2
14	M5	Y	-.206	-.368	2	4
15	M23A	Y	-.158	-.158	.037	7.397
16	M24	Y	-.047	-.111	0	2.394
17	M24	Y	-.111	-.151	2.394	4.787
18	M24	Y	-.151	-.161	4.787	7.181
19	M24	Y	-.161	-.151	7.181	9.574
20	M24	Y	-.151	-.111	9.574	11.968
21	M24	Y	-.111	-.047	11.968	14.362
22	M55	Y	-.376	-.376	0	2
23	M39A	Y	-.158	-.158	.037	7.397
24	M40	Y	-.047	-.111	0	2.394
25	M40	Y	-.111	-.151	2.394	4.787
26	M40	Y	-.151	-.161	4.787	7.181
27	M40	Y	-.161	-.151	7.181	9.574
28	M40	Y	-.151	-.111	9.574	11.968
29	M40	Y	-.111	-.047	11.968	14.362

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
30	M56	Y	-.376	-.376	3.364e-14	2

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Z	-.943	-.943	0	2
2	M6	Z	-.112	-.517	0	2
3	M6	Z	-.517	-.923	2	4
4	M7	Z	-.112	-.517	0	2
5	M7	Z	-.517	-.923	2	4
6	M6A	Z	-.395	-.395	.037	7.397
7	FACE	Z	-.118	-.277	0	2.394
8	FACE	Z	-.277	-.379	2.394	4.787
9	FACE	Z	-.379	-.402	4.787	7.181
10	FACE	Z	-.402	-.379	7.181	9.574
11	FACE	Z	-.379	-.277	9.574	11.968
12	FACE	Z	-.277	-.118	11.968	14.362
13	M5	Z	-.112	-.517	0	2
14	M5	Z	-.517	-.923	2	4
15	M23A	Z	-.395	-.395	.037	7.397
16	M24	Z	-.118	-.277	0	2.394
17	M24	Z	-.277	-.379	2.394	4.787
18	M24	Z	-.379	-.402	4.787	7.181
19	M24	Z	-.402	-.379	7.181	9.574
20	M24	Z	-.379	-.277	9.574	11.968
21	M24	Z	-.277	-.118	11.968	14.362
22	M55	Z	-.943	-.943	0	2
23	M39A	Z	-.395	-.395	.037	7.397
24	M40	Z	-.118	-.277	0	2.394
25	M40	Z	-.277	-.379	2.394	4.787
26	M40	Z	-.379	-.402	4.787	7.181
27	M40	Z	-.402	-.379	7.181	9.574
28	M40	Z	-.379	-.277	9.574	11.968
29	M40	Z	-.277	-.118	11.968	14.362
30	M56	Z	-.943	-.943	3.364e-14	2

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.943	.943	0	2
2	M6	X	.112	.517	0	2
3	M6	X	.517	.923	2	4
4	M7	X	.112	.517	0	2
5	M7	X	.517	.923	2	4
6	M6A	X	.395	.395	.037	7.397
7	FACE	X	.118	.277	0	2.394
8	FACE	X	.277	.379	2.394	4.787
9	FACE	X	.379	.402	4.787	7.181
10	FACE	X	.402	.379	7.181	9.574
11	FACE	X	.379	.277	9.574	11.968
12	FACE	X	.277	.118	11.968	14.362
13	M5	X	.112	.517	0	2
14	M5	X	.517	.923	2	4
15	M23A	X	.395	.395	.037	7.397
16	M24	X	.118	.277	0	2.394
17	M24	X	.277	.379	2.394	4.787
18	M24	X	.379	.402	4.787	7.181
19	M24	X	.402	.379	7.181	9.574

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	M24	X	.379	.277	9.574	11.968
21	M24	X	.277	.118	11.968	14.362
22	M55	X	.943	.943	0	2
23	M39A	X	.395	.395	.037	7.397
24	M40	X	.118	.277	0	2.394
25	M40	X	.277	.379	2.394	4.787
26	M40	X	.379	.402	4.787	7.181
27	M40	X	.402	.379	7.181	9.574
28	M40	X	.379	.277	9.574	11.968
29	M40	X	.277	.118	11.968	14.362
30	M56	X	.943	.943	3.364e-14	2

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.005
2	N18	N17	N10	N14	Y	Two Way	-.005
3	N14	N10	N15	N16	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.01
2	N18	N17	N10	N14	Y	Two Way	-.01
3	N14	N10	N15	N16	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Y	Two Way	-.000206
2	N18	N17	N10	N14	Y	Two Way	-.000206
3	N14	N10	N15	N16	Y	Two Way	-.000206

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	Z	Two Way	-.000516
2	N18	N17	N10	N14	Z	Two Way	-.000516
3	N14	N10	N15	N16	Z	Two Way	-.000516

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N16	N15	N17	N18	X	Two Way	.000516
2	N18	N17	N10	N14	X	Two Way	.000516
3	N14	N10	N15	N16	X	Two Way	.000516

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [...	LC
1	N2	m...	2598.648	10	791.427	37	786.547	1	-.769	73	2.012	11	.415	46
2		m...	-2502.616	4	234.271	71	-714.345	7	-2.534	38	-1.953	5	-.038	4
3	N77	m...	1500.065	11	726.917	21	2277.987	12	1.275	18	1.916	5	2.066	24
4		m...	-1389.442	5	232.703	67	-2228.722	6	.399	75	-2.017	11	.652	69
5	N109	m...	1496.596	9	754.703	17	2332.45	2	1.237	20	2.168	3	-.695	65
6		m...	-1578.82	3	237.957	75	-2341.111	8	.378	65	-2.16	9	-2.221	17
7	N140B	m...	2739.805	17	1887.831	17	1581.817	17	0	3	0	3	0	3
8		m...	637.735	11	438.873	11	368.191	11	0	33	0	33	0	33

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [...	LC
9	N141A	m..	51.863	10	2020.359	13	-829.837	7	0	75	0	11	0	5
10		m..	-51.862	4	492.839	7	-3393.6	13	0	1	0	5	0	11
11	N142A	m..	-710.609	3	2008.526	21	1686.56	21	0	1	0	7	0	7
12		m..	-2921.143	21	487.454	3	410.213	3	0	7	0	1	0	1
13	Totals:	m..	4539.895	10	7835.24	20	4528.192	1						
14		m..	-4539.891	4	2451.698	65	-4528.189	7						

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

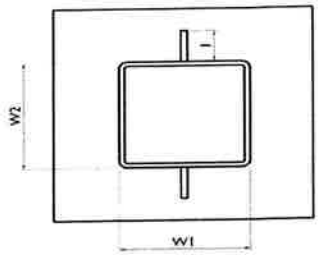
	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn ...	Eqn
1	M1	HSS4...	.141	0	23	.055	0	z	10	19691...	197892	22.046	22.046	H1-...
2	M2	HSS4...	.095	0	22	.049	0	y	48	15691...	158976	20.907	20.907	H1-...
3	M5	LL3x3...	.350	0	16	.051	2	y	14	76288...	93312	6.48	4.357	H1-...
4	M6	LL3x3...	.346	0	24	.051	2	y	22	76288...	93312	6.48	4.357	H1-...
5	M7	LL3x3...	.323	0	19	.055	2	y	30	76288...	93312	6.48	4.357	H1-...
6	M6A	L3X3X4	.192	7.433	21	.016	7...	z	21	13991...	46656	1.688	3.48	H2-1
7	FACE	L3X3X4	.555	7.181	43	.283	7...	z	14	3748.4...	46656	1.688	2.655	H2-1
8	MP1A	PIPE_...	.220	3.563	4	.055	3...		15	20866...	32130	1.872	1.872	H1-...
9	M23A	L3X3X4	.191	0	13	.016	0	z	13	13991...	46656	1.688	3.488	H2-1
10	M24	L3X3X4	.567	7.181	3	.288	7...	z	22	3748.4...	46656	1.688	2.395	H2-1
11	M38	HSS4...	.143	0	11	.054	0	z	6	19691...	197892	22.046	22.046	H1-...
12	M39A	L3X3X4	.194	7.433	13	.016	7...	z	13	13991...	46656	1.688	3.451	H2-1
13	M40	L3X3X4	.584	7.181	11	.297	7...	z	18	3748.4...	46656	1.688	2.393	H2-1
14	M54	HSS4...	.150	0	9	.057	0	z	2	19691...	197892	22.046	22.046	H1-...
15	M55	HSS4...	.091	0	24	.025	0	y	16	15691...	158976	20.907	20.907	H1-...
16	M56	HSS4...	.094	0	14	.024	0	y	24	15691...	158976	20.907	20.907	H1-...
17	MP2A	PIPE_...	.230	1.009	4	.090	3...		7	18105...	32130	1.872	1.872	H1-...
18	MP3A	PIPE_...	.196	.625	10	.073	3...		7	20866...	32130	1.872	1.872	H1-...
19	MP4A	PIPE_...	.163	.625	10	.064	....		2	20866...	32130	1.872	1.872	H1-...
20	MP5A	PIPE_...	.202	3.563	10	.069	1...		11	20866...	32130	1.872	1.872	H1-...
21	MP1C	PIPE_...	.220	3.563	12	.059	3...		11	20866...	32130	1.872	1.872	H1-...
22	MP2C	PIPE_...	.234	1.009	12	.083	3...		3	18105...	32130	1.872	1.872	H1-...
23	MP3C	PIPE_...	.206	.625	6	.075	3...		4	20866...	32130	1.872	1.872	H1-...
24	MP4C	PIPE_...	.183	.625	6	.053	....		9	20866...	32130	1.872	1.872	H1-...
25	MP5C	PIPE_...	.201	3.563	6	.064	1...		7	20866...	32130	1.872	1.872	H1-...
26	MP1B	PIPE_...	.232	3.563	8	.060	3...		7	20866...	32130	1.872	1.872	H1-...
27	MP2B	PIPE_...	.247	1.009	8	.092	3...		11	18105...	32130	1.872	1.872	H1-...
28	MP3B	PIPE_...	.210	.625	2	.077	3...		12	20866...	32130	1.872	1.872	H1-...
29	MP4B	PIPE_...	.173	.625	2	.069	....		6	20866...	32130	1.872	1.872	H1-...
30	MP5B	PIPE_...	.213	3.563	2	.068	1...		3	20866...	32130	1.872	1.872	H1-...
31	M56A	PIPE_...	.150	8.666	22	.055	1...		6	13461...	50715	3.596	3.596	H1-...
32	M71	PIPE_...	.164	8.666	18	.049	1...		2	13461...	50715	3.596	3.596	H1-...
33	M87	PIPE_...	.155	8.666	14	.056	1...		10	13461...	50715	3.596	3.596	H1-...
34	M74	L3X3X4	.187	1.748	1	.023	0	y	12	43602...	46656	1.688	3.756	H2-1
35	M81	L3X3X4	.159	0	1	.021	....	y	8	43602...	46656	1.688	3.756	H2-1
36	M88	L3X3X4	.203	1.748	5	.025	0	y	4	43602...	46656	1.688	3.756	H2-1
37	M73A	LL3x3...	.086	0	13	.003	6	z	4	46114...	70632	6.362	3.751	1 H1-...
38	M74A	LL3x3...	.085	0	21	.003	6	z	12	46114...	70632	6.362	3.751	1 H1-...
39	M75	LL3x3...	.080	0	17	.004	6	y	31	46114...	70632	6.362	3.751	1 H1-...

VzW SMART Tool© Vendor

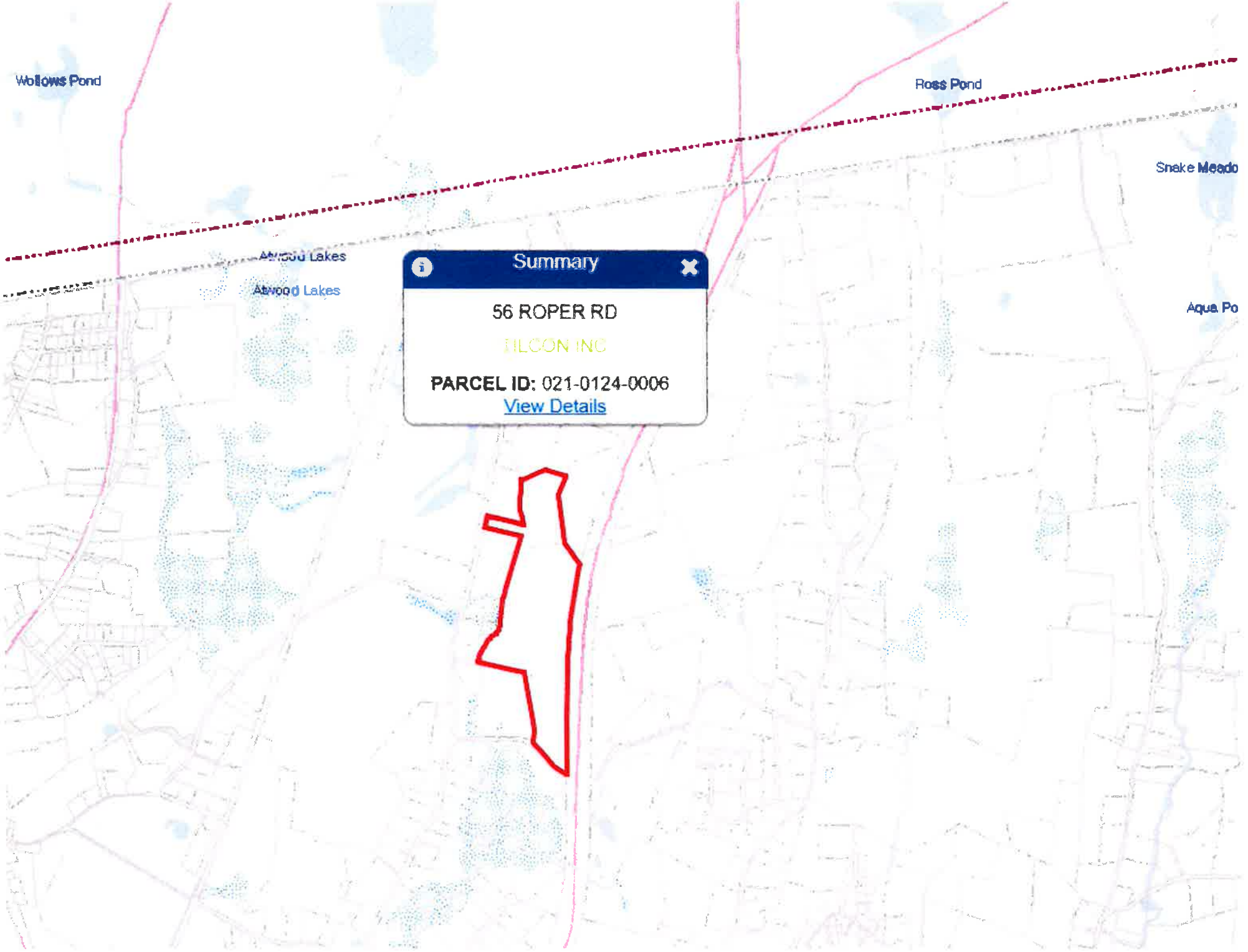
Client:	Verizon Wireless	Date:	7/5/2023
Site Name:	PLAINFIELD N CT		
PSLC #:	5000051187		
Fuze ID #:	17123690	Page:	2
			Version 1.01

Tower Connection Weld Checks

	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Stiffener Notch Present?	Yes
Stiffener Length, l (in):	3.75
Stiffener Spacing/Width, s (in):	
Stiffener Notch Length, n (in):	0.5
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	31.00
Z_x (in^3/in):	81.18
Z_y (in^3/in):	21.33
J_p (in^4/in):	459.40
c_x (in)	6.25
c_y (in)	6.25
Required combined strength (kip/in):	1.06
Weld Capacity (kip/in):	5.57
Weld Utilization:	**19.1%**



ATTACHMENT 4


Willows Pond
Ross Pond
Snake Meado
Aqua Po
Summary
56 ROPER RD
TILCON INC
PARCEL ID: 021-0124-0006
View Details

56 ROPER RD

Location	56 ROPER RD	**Mblu**	021/ 0124/ 0006/ /
Acct#	00276300	**Owner**	TILCON INC
Assessment	$338,560	**Appraisal**	$483,650
PID	3062	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$55,950	$427,700	$483,650
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$39,170	$299,390	$338,560

Owner of Record

Owner	TILCON INC
Co-Owner	
Address	PO BOX 311228 NEWINGTON, CT 06131

Sale Price	$0
Certificate	
Book & Page	0277/0805
Sale Date	07/16/2001
Instrument	29

Ownership History

Ownership History					
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Instrument**	**Sale Date**
TILCON INC	$0		0277/0805	29	07/16/2001
TILCON MINERALS INC	$0		0140/0268		07/30/1981
TILCON MINERALS	$0		0132/0853		04/26/1979

Building Information

Building 1 : Section 1

Year Built:	
Living Area:	0
Replacement Cost:	$0
Building Percent Good:	

Replacement Cost
Less Depreciation: $0

Building Attributes	
Field	**Description**
Style:	Outbuildings
Model	
Grade:	
Stories:	
Occupancy:	
Exterior Wall 1:	
Exterior Wall 2:	
Roof Structure:	
Roof Cover:	
Interior Wall 1:	
Interior Wall 2:	
Interior Flr 1:	
Interior Flr 2:	
Heat Fuel:	
Heat Type:	
AC Type:	
Total Bedrooms:	
Full Baths:	
Half Baths:	
Extra Fixtures:	
Total Rooms:	
Bath Style:	
Kitchen Style:	
Fireplaces:	
Xtra Openings:	
Gas Fireplaces:	
Woodstove/Pellet	
Bsmt Gar:	
Num Park	
Fireplaces	
Color	
Basement:	
Fndtn Cndtn	
Basement	

Building Photo

(https://images.vgsi.com/photos/PlainfieldCTPhotos//default.jpg)

Building Layout

Building Layout (ParcelSketch.ashx?pid=3062&bid=3062)

Building Sub-Areas (sq ft)	Legend
No Data for Building Sub-Areas	

Extra Features

Extra Features	Legend

No Data for Extra Features

Land

Land Use

Use Code	4400
Description	IND LD DV
Zone	IND
Neighborhood	4000
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	65.8
Frontage	
Depth	
Assessed Value	$299,390
Appraised Value	$427,700

Outbuildings

Outbuildings						Legend
Code	**Description**	**Sub Code**	**Sub Description**	**Size**	**Value**	**Bldg #**
TT4	Cell Tower			200.00 HEIGHT	$54,000	1
FN1	Fence 4' Chain			300.00 L.F.	$1,950	1

Valuation History

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$55,950	$427,700	$483,650
2021	$54,000	$410,100	$464,100

Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$39,170	$299,390	$338,560
2021	$37,800	$287,070	$324,870

ATTACHMENT 5

Verizon/Plainfield North

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 08/07/2023 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.	Kevin Cunningham, First Selectman Town of Plainfield 8 Community Avenue Plainfield, CT 06374				
2.	Mary Ann Chinatti, Town Planner Town of Plainfield 8 Community Avenue Plainfield, CT 06374				
3.	Tilcon Inc. P.O. Box 311228 Newington, CT 06131				
4.					
5.					
6.					

OLD STATE HOUSE STA... AUG - 7 2023 USPS