Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

August 9, 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**
11 Francis J. Clarke Circle, Bethel, 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 October of 2005 (EM-VER-009-051004). A copy of the Council's exempt modification approval is included in Attachment 1.

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

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Bethel'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:
Daniel Carter, First Selectman
Beth Cavagna, Director/Town Planner
Estate of Costa Stergue, Property Owner
Kamoya Bautista De Leon, Verizon Wireless

ATTACHMENT 1

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
www.ct.gov/csc

October 20, 2005

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: **EM-VER-009-051004** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 11 Francis J. Clarke Circle, Bethel, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on October 19, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated October 4, 2005, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. 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. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: The Honorable Alice M. Hutchinson, First Selectman, Town of Bethel
Steve Palmer, Planning & Zoning Official, Town of Bethel
Sheila R. Becker, Regional Director of Compliance, SBA, Inc.
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels LLP
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Thomas F. Flynn III, Esq., Nextel Communications, Inc.

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

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

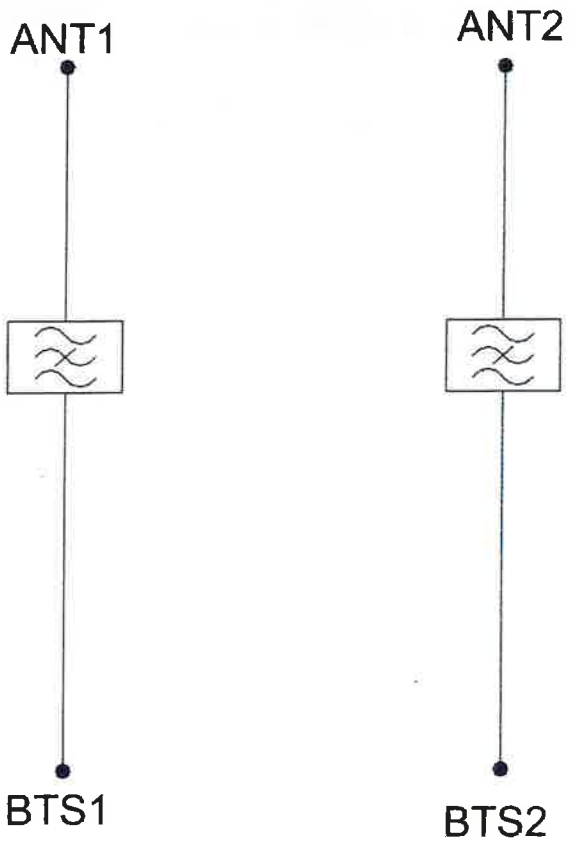
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ORDERING INFORMATION

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

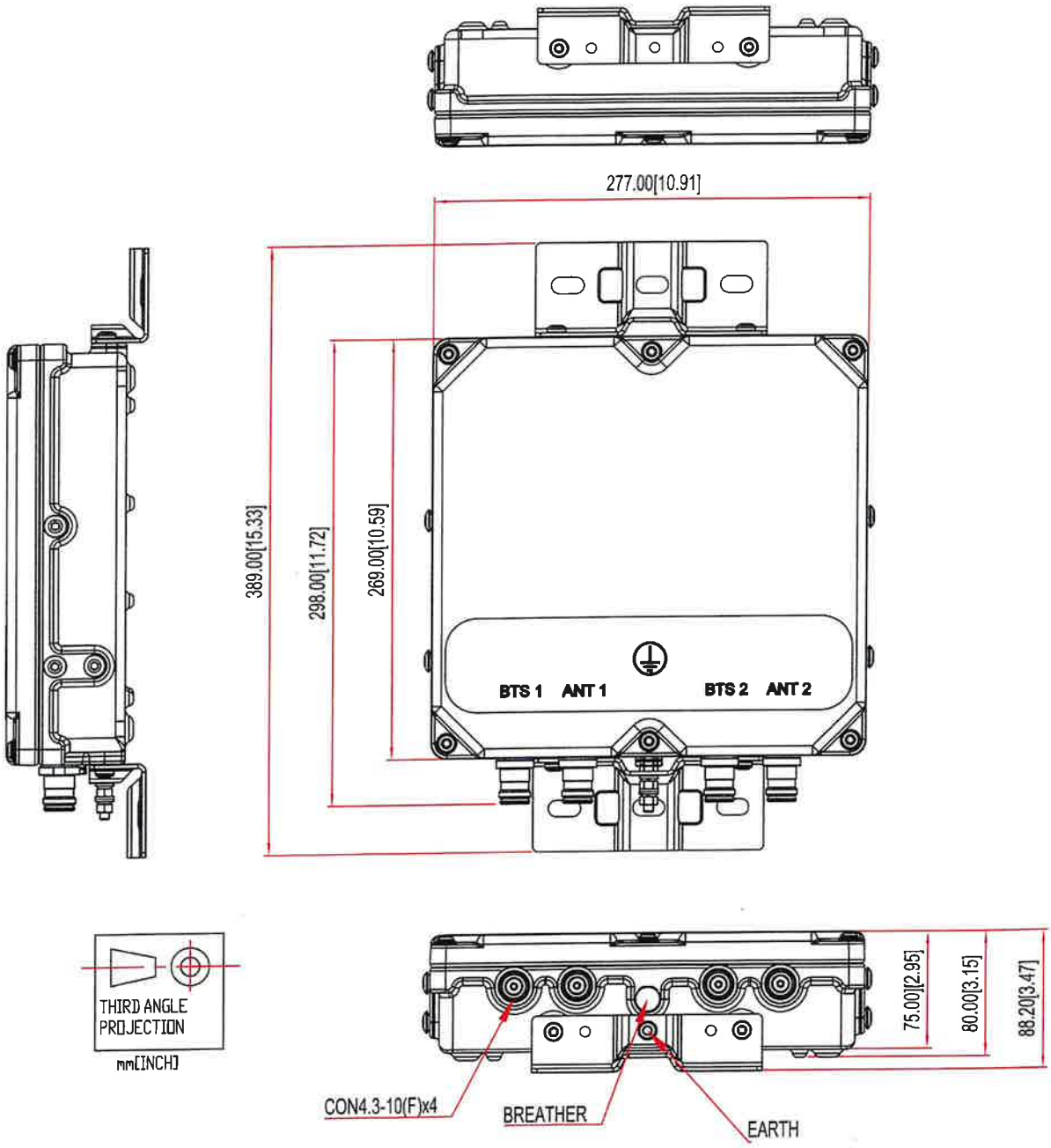
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



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

ATTACHMENT 3

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: 5000382994 / BETHEL WEST CT
Application #: 232192, v2

SBA Site ID / Name: CT00248-S / North Bethel

155 ft Monopole

11 Francis J. Clarke Circle
Bethel, Connecticut 06801
Lat: 41.360081, Long: -73.424989

Project number: CT00248-VZW-071123

Analysis Results

Tower	69.9%	Pass
Foundation	77.0%	Pass

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

Prepared by:

Asmerom Hagos
Structural Engineer II
214-570-8110 ext 2612
Ahagos@sbasite.com

Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
561-981-7390
SShanubhogue@sbasite.com

July 12, 2023

STATE OF CONNECTICUT
ANANTHA B SHANUBHOGUE
33123
LICENSED
PROFESSIONAL ENGINEER

07/12/23

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 155 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	Summit Manufactoring LLC., Job # 4071, Dated 10/22/1998
Foundation drawings	PJF, Job # 29200-1210, Dated 08/17/2000
Geotechnical report	Jaworski Geotech, Inc., Project # C98342E, Dated 12/5/2002
Modification drawings	N/A
Mount Analysis	Maser, Project # 20777631A, dated 02/25/2021
Latest SA	TES, Project # 120514, dated 12/17/2021

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut / Fairfield / Bethel
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC / 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	115.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.0"
Structural Class	II
Exposure Category	B
Topographic Category	1
Crest Height	0 ft
Ground Elevation	411.4 ft.
Seismic Parameter S_s	0.226
Seismic Parameter S_1	0.056

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
1	157.0	3	Ericsson AIR6449 B41 - Panel	Modified Low Profile Platform & Collar Mount W/ (1) SitePro HRK14-HD (Top handrail kit), (1) HRK14-U (Bottom handrail kit) & (1) PRK-SFS (Handrail reinforcement kit)@ 155'	(3) 1.9" Hybrid	T-Mobile Sprint
2		3	RFS APXVAALL24_43-U-NA20 - Panel			
3		4	RFS ACU-A20-N RET			
4		3	Ericsson 4480 B71 + B85 RRU			
5		3	Ericsson 4460 B25 + B66 RRU			
6		3	ALU TD-RRH8x20-25			
7		3	ALU 800 MHz Filter			
-	147.0	3	Commscope FFVV-65B-R2 - Panel	Platform w/ HRK (Commscope MC-PK8-DSH)	(1) 1.75" Hybrid*	Dish Wireless
-		3	Fujitsu TA08025-B605 - RRU			
-		3	Fujitsu TA08025-B604 - RRU			
-		1	Raycap RDIDC-9181-PF-48 - OVP			
8	137.0	2	Antel - LPA-80080-6CF - Panel	Low Profile Platform	(6) 1 5/8" (1) 12x24 - 1 5/8" Hybrid	Verizon
9		2	Antel - LPA-80063/6CF_5 - Panel			
10		2	Antel - LPA-80080/4CF - Panel			
11		6	JMA - MX06FIT665-02 - Panel			
13		3	Samsung - VZS01 - Panel			
14		3	Samsung - B2/B66A RRH-BR049 - RRU			
15		3	Samsung - B5/B13 RRH-BR04C - RRU			
16		1	Raycap - RCMDC-6627-PF-48			
17	127.0	3	Cci HPA65R-BU6A- Panel	(1) Low Profile Platform with modifications (1) Handrail Kit SitePro1 HRK14 (3) Platform Reinforcement SitePro1 PRK-1245L	(9) 1 1/4" (1) 1/2" Fiber (2) 3/4" DC	AT&T
18		3	Cci DMP65R-BU6DA- Panel			
19		3	Powerwave 7770-Panel			
20		6	Powerwave 21401 TMA			
21		6	Kathrein 860 10025 RET			
22		3	Ericsson RRUS 4449 B5/B12			
		3	Ericsson RRUS 8843 B2 B66A			
23		1	Raycap DC6-48-60-18-8F			
24	117.0	3	Ericsson - Air 21 B2A/B4P - Panel	(3) T-Arms (Valmont P/N RMV12-3xx)	[1](12) 1 5/8" [2](1) 1 5/8" Hybrid	T-Mobile
25		3	Ericsson - Air 21 B4A/B2P - Panel			

Note: AT&T loading includes FirstNET equipment

1. The (12)1 5/8" Coax and are considered double stacked running outside of the pole shaft
2. The (1) 1 5/8" Hybrid is considered running outside of the pole shaft

* Consider running outside of the pole shaft.

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232192, 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
	137.0	2	Antel - LPA-80080-6CF - Panel	Low Profile Platform	(6) 1 5/8" (1) 12x24 - 1 5/8" Hybrid	Verizon
		2	Antel - LPA-80063/6CF_5 - Panel			
		2	Antel - LPA-80080/4CF - Panel			
		6	JMA - MX06FIT665-02 - Panel			
		3	Samsung - VZS01 - Panel			
		3	Samsung - B2/B66A RRH-BR049 - RRU			
		3	Samsung - B5/B13 RRH-BR04C - RRU			
		1	Raycap - RCMDC-6627-PF-48			
		2	Kaelus BSF0020F3V1-1 Filter			

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:	69.9%	51.6%	62.4%
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	77.0%	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

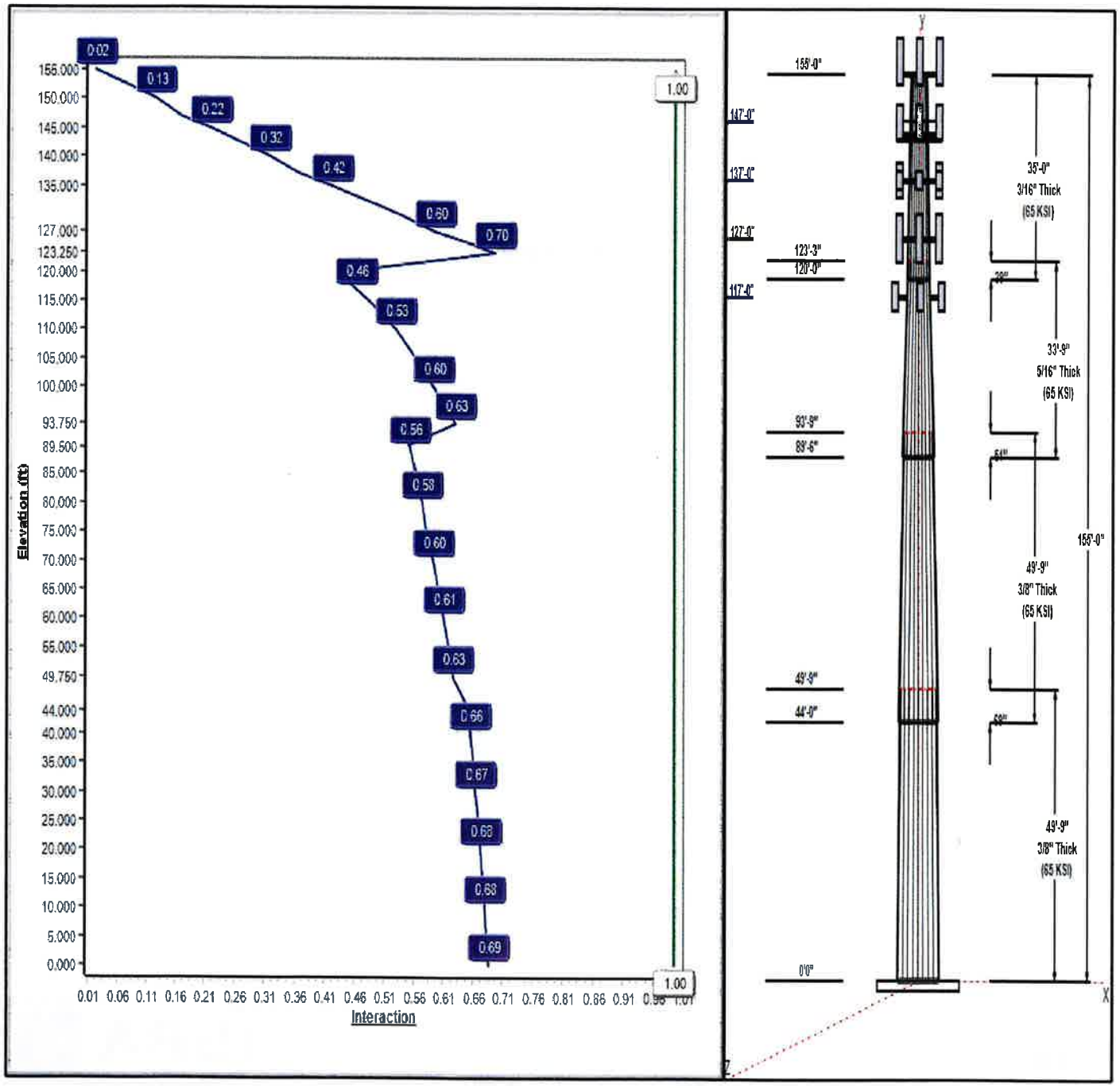
Usage Diagram - Max Ratio 69.91% at 123.3ft

Structure:	CT00248-S	**Code:**	EIA/TIA-222-H	7/11/2023
Site Name:	North Bethel	**Exposure:**	B	
Height:	155.00 (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 115 mph Wind



Structure: CT00248-S

Type: Tapered
Site Name: North Bethel
Height: 155.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.27148

7/11/2023

Shaft Properties

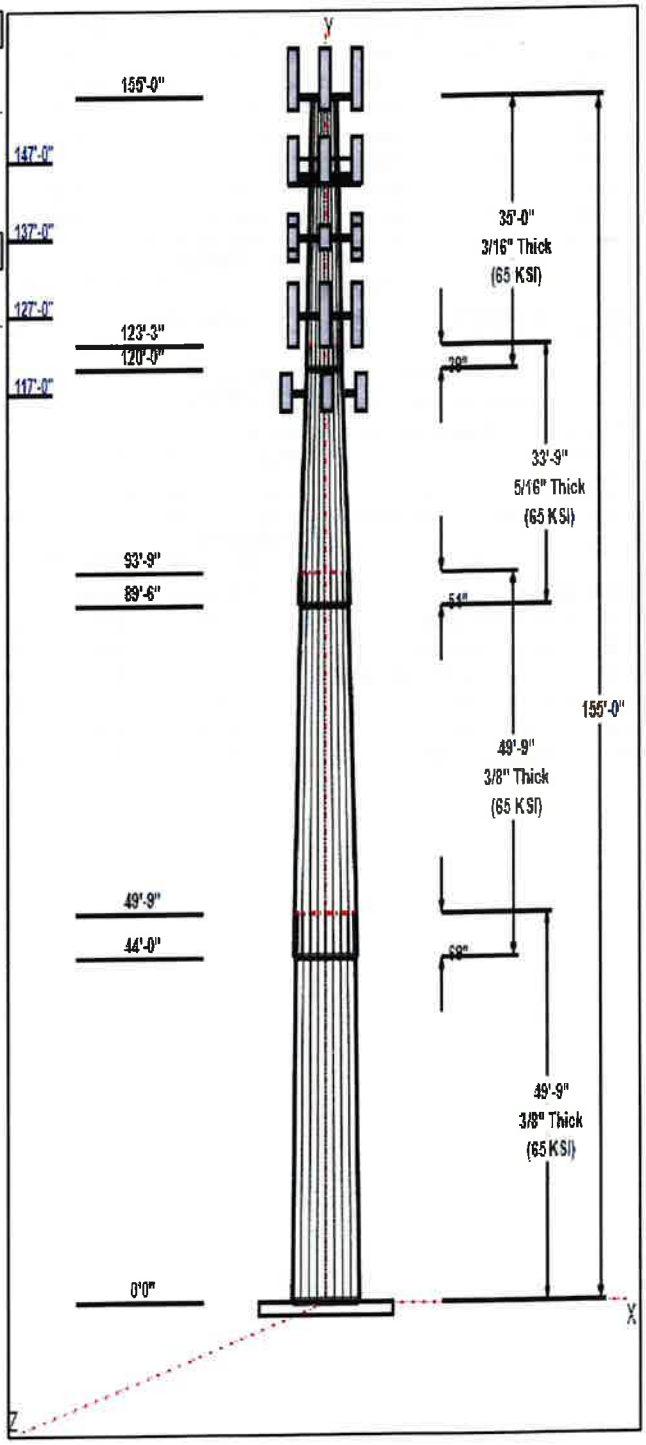
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	49.75	43.32	56.83	0.375		0.27148	65
2	49.75	32.13	45.63	0.375	Slip	0.27148	65
3	33.75	24.74	33.91	0.313	Slip	0.27148	65
4	35.00	16.50	26.00	0.188	Slip	0.27148	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
155.00	157.00	4	ACU-A20-N	T-Mobile Sprint
155.00	155.00	1	Low Profile Platform	T-Mobile Sprint
155.00	155.00	1	6' Lightning rod	-
155.00	157.00	3	Ericsson 4480 B71 + B85	T-Mobile Sprint
155.00	157.00	3	Ericsson 4460 B25 + B66	T-Mobile Sprint
155.00	157.00	3	ALU TD-RRH8x20-25	T-Mobile Sprint
155.00	157.00	3	ALU 800 MHz Filter	T-Mobile Sprint
155.00	155.00	1	PRK-SFS	T-Mobile Sprint
155.00	155.00	1	HRK14-HD	T-Mobile Sprint
155.00	155.00	1	HRK14-U	T-Mobile Sprint
155.00	157.00	3	RFS	T-Mobile Sprint
155.00	157.00	3	Ericsson AIR6449 B41	T-Mobile Sprint
147.00	147.00	3	FFVV-65C-R3-V1	Dish Wireless
147.00	147.00	1	MC-PK8-DSH	Dish Wireless
147.00	147.00	3	TA08025-B604	Dish Wireless
147.00	147.00	3	TA08025-B605	Dish Wireless
147.00	147.00	1	RDIDC-9181-PF-48	Dish Wireless
137.00	137.00	2	Kaelus BSF0020F3V1-1	Verizon
137.00	137.00	2	LPA-80080/4CF	Verizon
137.00	137.00	2	LPA-80080/6CF	Verizon
137.00	137.00	2	LPA-80063/6CF_5	Verizon
137.00	137.00	1	Low Profile Platform	Verizon
137.00	137.00	6	JMA - MX06FIT665-02	Verizon
137.00	137.00	3	Samsung VZS01	Verizon
137.00	137.00	3	Samsung - B5/B13	Verizon
137.00	137.00	3	Samsung - B2/B66A	Verizon
137.00	137.00	1	Commscope -	Verizon
127.00	127.00	1	DC6-48-60-18-8F	AT&T
127.00	127.00	3	7770	AT&T
127.00	127.00	6	860 10025	AT&T
127.00	127.00	1	Low Profile Platform	AT&T
127.00	127.00	1	HRK14	AT&T
127.00	127.00	1	(3) PRK-1245	AT&T
127.00	127.00	3	HPA65R-BU6A	AT&T
127.00	127.00	3	DMP65R-BU6DA	AT&T
127.00	127.00	3	4449	AT&T
127.00	127.00	3	8843	AT&T
127.00	127.00	6	21401 TMA	AT&T
117.00	117.00	3	T-Arms	T-Mobile
117.00	117.00	3	Air 21 B4A/B2P	T-Mobile
117.00	117.00	3	Ericsson - Air 21 B2A/B4P	T-Mobile

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	155.00	Inside	1.9" Hybrid	T-Mobile Sprint



0.00	147.00	Outside	1.75" Hybrid	Dish Wireless
0.00	137.00	Inside	1 5/8" Coax	Verizon
0.00	137.00	Inside	12x24 - 1 5/8" Hybrid	Verizon
0.00	127.00	Inside	1 1/4" Coax	AT&T
0.00	127.00	Inside	1/2" Fiber	AT&T
0.00	127.00	Inside	3/4" DC	AT&T
0.00	117.00	Outside	1 5/8" Coax	T-Mobile
0.00	117.00	Outside	1 5/8" Hybrid	T-Mobile

Anchor Bolts

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

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	64.0	50.0	Clipped

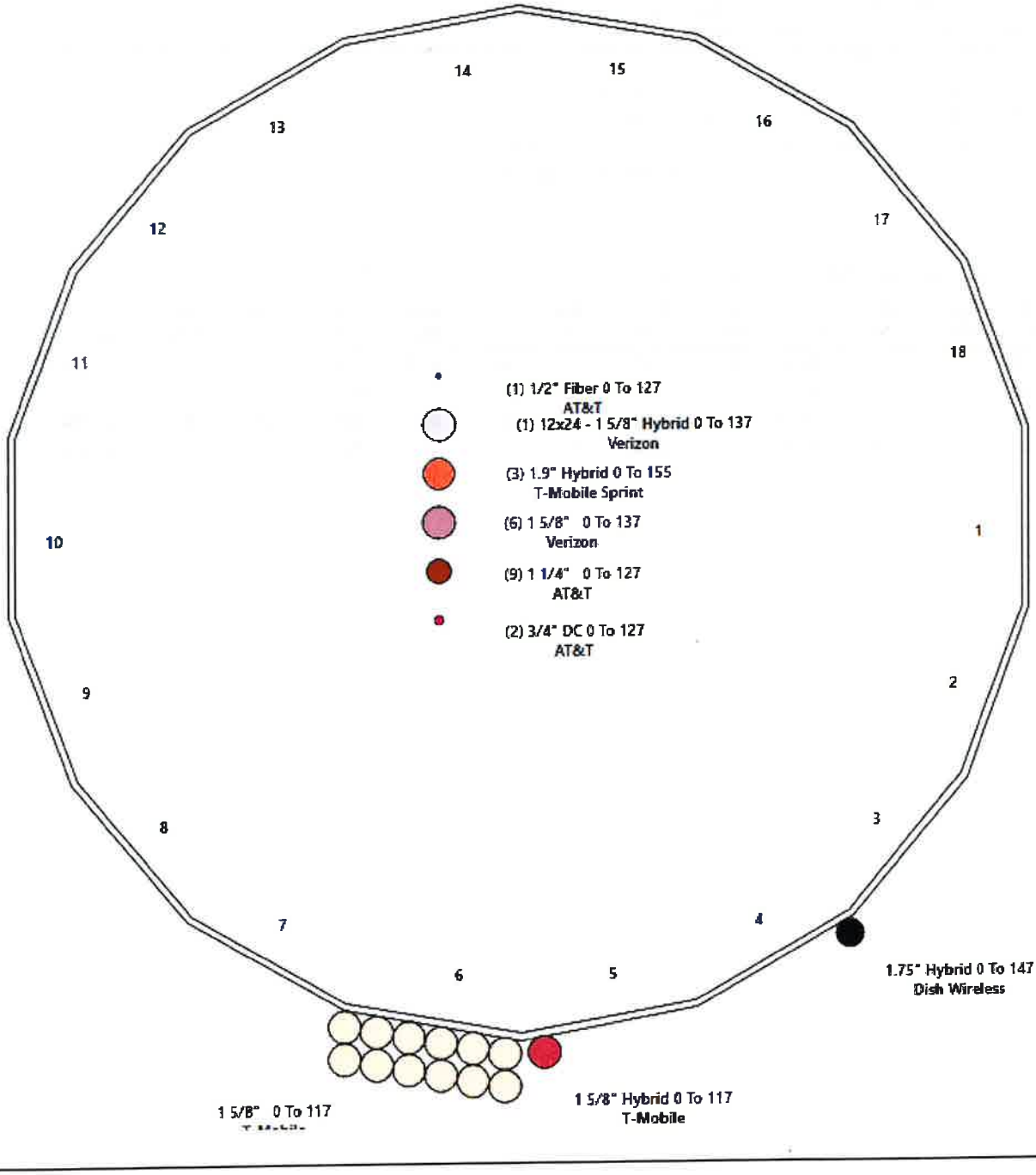
Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 115 mph Wind	3418.0	28.7	48.7
0.9D + 1.0W 115 mph Wind	3368.2	28.7	36.5
1.2D + 1.0Di + 1.0Wi 50 mph Wind	962.9	8.1	70.1
1.2D + 1.0Ev + 1.0Eh	98.6	0.7	50.7
0.9D + 1.0Ev + 1.0Eh	97.3	0.7	38.5
1.0D + 1.0W 60 mph Wind	826.3	7.0	40.6

Structure: CT00248-S - Coax Line Placement

Type: Monopole
Site Name: North Bethel
Height: 155.00 (ft)

7/11/2023



Shaft Properties

Structure:	CT00248-S		**Code:**	TIA-222-H	7/11/2023
Site Name:	North Bethel		**Exposure:**	B	
Height:	155.00 (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	18	49.750	0.3750	65		0.00	10,014
2	18	49.750	0.3750	65	Slip	69.00	7,759
3	18	33.750	0.3125	65	Slip	51.00	3,305
4	18	35.000	0.1875	65	Slip	39.00	1,493
					Total Shaft Weight:		**22,571**

	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	56.83	0.00	67.19	27057.20	25.31	151.55	43.32	49.75	51.12	11913.1	18.96	115.5	0.271484
2	45.63	44.00	53.87	13941.55	20.05	121.69	32.13	93.75	37.79	4814.44	13.70	85.68	0.271484
3	33.91	89.50	33.32	4751.23	17.72	108.50	24.74	123.25	24.23	1827.58	12.55	79.18	0.271484
4	26.00	120.0	15.36	1293.40	23.04	138.68	16.50	155.00	9.71	326.37	14.11	88.00	0.271484

Load Summary

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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	155.00	ACU-A20-N	4	1.00	0.14	0.50	3.87	0.339	0.50	0.00	2.00
2	155.00	Low Profile Platform	1	1500.00	28.00	1.00	2375.47	43.035	1.00	0.00	0.00
3	155.00	6' Lightning rod	1	6.50	0.38	1.00	30.78	1.107	1.00	0.00	0.00
4	155.00	Ericsson 4480 B71 + B85 RRU	3	93.00	2.85	0.67	141.11	3.301	0.67	0.00	2.00
5	155.00	Ericsson 4460 B25 + B66 RRU	3	109.00	2.85	0.67	157.09	3.301	0.67	0.00	2.00
6	155.00	ALU TD-RRH8x20-25	3	70.00	4.05	0.67	138.88	4.579	0.67	0.00	2.00
7	155.00	ALU 800 MHz Filter	3	8.80	0.78	0.50	20.60	1.213	0.50	0.00	2.00
8	155.00	PRK-SFS	1	464.91	9.50	1.00	681.99	16.154	1.00	0.00	0.00
9	155.00	HRK14-HD	1	302.36	8.13	1.00	542.36	13.444	1.00	0.00	0.00
10	155.00	HRK14-U	1	261.72	6.75	1.00	469.46	11.162	1.00	0.00	0.00
11	155.00	RFS APXVAALL24_43-U-NA20	3	122.80	20.24	0.70	390.66	21.495	0.70	0.00	2.00
12	155.00	Ericsson AIR6449 B41	3	103.00	5.65	0.71	194.71	6.286	0.71	0.00	2.00
13	147.00	FFVV-65C-R3-V1	3	71.00	12.27	0.73	248.75	13.238	0.73	0.00	0.00
14	147.00	MC-PK8-DSH	1	1727.00	37.59	1.00	2849.95	69.016	1.00	0.00	0.00
15	147.00	TA08025-B604	3	63.90	1.96	0.67	97.58	2.333	0.67	0.00	0.00
16	147.00	TA08025-B605	3	75.00	1.96	0.67	109.80	2.333	0.67	0.00	0.00
17	147.00	RDIDC-9181-PF-48	1	21.90	2.01	1.00	57.33	2.388	1.00	0.00	0.00
18	137.00	Kaelus BSF0020F3V1-1	2	17.60	0.96	0.65	32.97	1.222	0.65	0.00	0.00
19	137.00	LPA-80080/4CF	2	12.00	2.61	0.93	142.00	6.895	0.93	0.00	0.00
20	137.00	LPA-80080/6CF	2	21.00	4.32	1.50	148.34	5.069	1.50	0.00	0.00
21	137.00	LPA-80063/6CF_5	2	27.00	9.59	0.95	201.07	10.466	0.95	0.00	0.00
22	137.00	Low Profile Platform	1	1200.00	28.00	1.00	1891.79	43.496	1.00	0.00	0.00
23	137.00	JMA - MX06FIT665-02	6	51.00	8.15	0.95	195.18	8.977	0.95	0.00	0.00
24	137.00	Samsung VZS01	3	87.10	4.70	0.70	161.21	5.296	0.70	0.00	0.00
25	137.00	Samsung - B5/B13 RRH-BR04C	3	84.40	1.88	0.83	117.91	2.240	0.83	0.00	0.00
26	137.00	Samsung - B2/B66A RRH-BR049	3	70.30	1.88	0.77	102.07	2.240	0.77	0.00	0.00
27	137.00	Commscope - RCMDC-6627-PF-48	1	45.00	4.80	0.71	121.06	5.360	0.71	0.00	0.00
28	127.00	DC6-48-60-18-8F	1	31.80	1.47	1.00	72.34	1.929	1.00	0.00	0.00
29	127.00	7770	3	35.00	5.50	0.75	116.78	6.183	0.75	0.00	0.00
30	127.00	860 10025	6	1.20	0.18	0.67	5.13	0.428	0.67	0.00	0.00
31	127.00	Low Profile Platform	1	1500.00	25.00	1.00	2358.20	38.159	1.00	0.00	0.00
32	127.00	HRK14	1	261.72	6.75	1.00	465.37	11.075	1.00	0.00	0.00
33	127.00	(3) PRK-1245	1	464.91	9.50	1.00	677.70	16.022	1.00	0.00	0.00
34	127.00	HPA65R-BU6A	3	54.00	11.23	0.86	217.97	12.326	0.88	0.00	0.00
35	127.00	DMP65R-BU6DA	3	79.40	12.71	0.72	272.52	13.670	0.74	0.00	0.00
36	127.00	4449	3	70.00	1.65	0.67	110.89	1.989	0.67	0.00	0.00
37	127.00	8843	3	75.00	1.65	0.67	119.96	1.989	0.67	0.00	0.00
38	127.00	21401 TMA	6	14.10	1.29	0.67	30.49	1.838	0.67	0.00	0.00
39	117.00	T-Arms	3	350.00	8.00	0.75	508.89	12.540	0.75	0.00	0.00
40	117.00	Air 21 B4A/B2P	3	90.40	6.09	0.86	192.89	6.787	0.86	0.00	0.00
41	117.00	Ericsson - Air 21 B2A/B4P	3	91.50	6.09	0.86	193.99	6.787	0.86	0.00	0.00
		Totals:	**103**	**13,755.62**			**25,885.72**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
0.00	155.00	(3) 1.9" Hybrid			0.00	Inside					
0.00	147.00	(1) 1.75" Hybrid			1.75	Outside					
0.00	137.00	(6) 1 5/8" Coax			0.00	Inside					
0.00	137.00	(1) 12x24 - 1 5/8" Hybrid			0.00	Inside					
0.00	127.00	(9) 1 1/4" Coax			0.00	Inside					
0.00	127.00	(1) 1/2" Fiber			0.00	Inside					
0.00	127.00	(2) 3/4" DC			0.00	Inside					
0.00	117.00	(12) 1 5/8" Coax			3.96	Outside					
0.00	117.00	(1) 1 5/8" Hybrid			0.00	Outside					

Shaft Section Properties

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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		0.3750	56.830	67.193	27057.2	25.31	151.55	71.6	937.7	0.0
5.00		0.3750	55.473	65.578	25152.0	24.67	147.93	72.4	893.1	1129.5
10.00		0.3750	54.115	63.962	23338.5	24.03	144.31	73.1	849.4	1102.0
15.00		0.3750	52.758	62.346	21614.3	23.40	140.69	73.9	806.9	1074.5
20.00		0.3750	51.400	60.731	19977.1	22.76	137.07	74.6	765.5	1047.0
25.00		0.3750	50.043	59.115	18424.8	22.12	133.45	75.4	725.2	1019.5
30.00		0.3750	48.685	57.499	16955.1	21.48	129.83	76.1	685.9	992.0
35.00		0.3750	47.328	55.884	15565.7	20.84	126.21	76.9	647.8	964.5
40.00		0.3750	45.971	54.268	14254.3	20.21	122.59	77.6	610.7	937.1
44.00	Bot - Section 2	0.3750	44.885	52.976	13259.9	19.69	119.69	78.2	581.9	729.9
45.00		0.3750	44.613	52.653	13018.7	19.57	118.97	78.4	574.8	362.5
49.75	Top - Section 1	0.3750	44.074	52.010	12548.2	19.31	117.53	0.0	0.0	1691.7
50.00		0.3750	44.006	51.930	12489.8	19.28	117.35	78.7	559.0	44.2
55.00		0.3750	42.648	50.314	11360.0	18.64	113.73	79.5	524.6	869.8
60.00		0.3750	41.291	48.698	10300.4	18.00	110.11	80.2	491.3	842.3
65.00		0.3750	39.934	47.083	9308.9	17.37	106.49	81.0	459.1	814.8
70.00		0.3750	38.576	45.467	8383.1	16.73	102.87	81.7	428.0	787.3
75.00		0.3750	37.219	43.852	7520.8	16.09	99.25	82.5	398.0	759.8
80.00		0.3750	35.861	42.236	6719.8	15.45	95.63	82.5	369.1	732.3
85.00		0.3750	34.504	40.620	5977.8	14.81	92.01	82.5	341.2	704.9
89.50	Bot - Section 3	0.3750	33.282	39.166	5358.6	14.24	88.75	82.5	317.1	610.9
90.00		0.3750	33.146	39.005	5292.5	14.18	88.39	82.5	314.5	123.1
93.75	Top - Section 2	0.3125	32.753	32.176	4278.3	17.07	104.81	0.0	0.0	907.0
95.00		0.3125	32.414	31.840	4145.5	16.88	103.72	81.5	251.9	136.1
100.00		0.3125	31.057	30.493	3641.5	16.11	99.38	82.4	230.9	530.3
105.00		0.3125	29.699	29.147	3180.1	15.35	95.04	82.5	210.9	507.4
110.00		0.3125	28.342	27.801	2759.5	14.58	90.69	82.5	191.8	484.4
115.00		0.3125	26.984	26.454	2377.7	13.82	86.35	82.5	173.5	461.5
117.00		0.3125	26.441	25.916	2235.4	13.51	84.61	82.5	166.5	178.2
120.00	Bot - Section 4	0.3125	25.627	25.108	2032.8	13.05	82.01	82.5	156.2	260.4
123.25	Top - Section 3	0.1875	25.120	14.837	1165.3	22.21	133.97	0.0	0.0	439.8
125.00		0.1875	24.645	14.554	1099.9	21.77	131.44	75.8	87.9	87.5
127.00		0.1875	24.102	14.231	1028.3	21.25	128.54	76.4	84.0	98.0
130.00		0.1875	23.287	13.747	926.7	20.49	124.20	77.3	78.4	142.8
135.00		0.1875	21.930	12.939	772.8	19.21	116.96	78.8	69.4	227.0
137.00		0.1875	21.387	12.616	716.3	18.70	114.06	79.4	66.0	87.0
140.00		0.1875	20.572	12.131	636.9	17.94	109.72	80.3	61.0	126.3
145.00		0.1875	19.215	11.323	517.9	16.66	102.48	81.8	53.1	199.5
147.00		0.1875	18.672	11.000	474.9	16.15	99.58	82.4	50.1	76.0
150.00		0.1875	17.857	10.515	414.8	15.38	95.24	82.5	45.8	109.8
155.00		0.1875	16.500	9.708	326.4	14.11	88.00	82.5	39.0	172.0
										22570.6

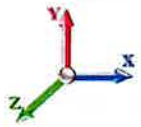
Wind Loading - Shaft

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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 115 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	22.181	24.40	459.26	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	22.181	24.40	448.29	0.730	0.000	5.00	23.757	17.34	423.2	0.0	1355.4
10.00		1.00	0.70	22.181	24.40	437.32	0.736 *	0.000	5.00	23.183	17.06	416.2	0.0	1322.4
15.00		1.00	0.70	22.181	24.40	426.35	0.741 *	0.000	5.00	22.609	16.76	409.0	0.0	1289.4
20.00		1.00	0.70	22.181	24.40	415.38	0.747 *	0.000	5.00	22.034	16.47	401.9	0.0	1256.4
25.00		1.00	0.70	22.181	24.40	404.41	0.754 *	0.000	5.00	21.460	16.18	394.7	0.0	1223.4
30.00		1.00	0.70	22.200	24.42	393.61	0.760 *	0.000	5.00	20.886	15.88	387.9	0.0	1190.4
35.00		1.00	0.73	23.200	25.52	391.15	0.768 *	0.000	5.00	20.311	15.59	397.8	0.0	1157.5
40.00		1.00	0.76	24.102	26.51	387.25	0.775 *	0.000	5.00	19.737	15.30	405.5	0.0	1124.5
44.00	Bot - Section 2	1.00	0.78	24.767	27.24	383.29	0.782 *	0.000	4.00	15.376	12.03	327.6	0.0	875.8
45.00		1.00	0.79	24.927	27.42	382.19	0.786 *	0.000	1.00	3.850	3.03	83.0	0.0	435.0
49.75	Top - Section 1	1.00	0.81	25.652	28.22	376.51	0.791 *	0.000	4.75	17.974	14.22	401.2	0.0	2030.0
50.00		1.00	0.81	25.689	28.26	382.71	0.791 *	0.000	0.25	0.932	0.74	20.8	0.0	53.1
55.00		1.00	0.83	26.398	29.04	375.99	0.795 *	0.000	5.00	18.331	14.58	423.3	0.0	1043.7
60.00		1.00	0.85	27.062	29.77	368.57	0.804 *	0.000	5.00	17.757	14.28	425.2	0.0	1010.8
65.00		1.00	0.87	27.688	30.46	360.56	0.814 *	0.000	5.00	17.183	13.99	426.1	0.0	977.8
70.00		1.00	0.89	28.281	31.11	352.01	0.825 *	0.000	5.00	16.609	13.70	426.1	0.0	944.8
75.00		1.00	0.91	28.844	31.73	342.98	0.836 *	0.000	5.00	16.034	13.40	425.3	0.0	911.8
80.00		1.00	0.93	29.381	32.32	333.54	0.848 *	0.000	5.00	15.460	13.11	423.7	0.0	878.8
85.00		1.00	0.94	29.894	32.88	323.70	0.861 *	0.000	5.00	14.886	12.82	421.5	0.0	845.8
89.50	Bot - Section 3	1.00	0.96	30.338	33.37	314.55	0.874 *	0.000	4.50	12.906	11.28	376.6	0.0	733.0
90.00		1.00	0.96	30.386	33.42	313.52	0.882 *	0.000	0.50	1.432	1.26	42.2	0.0	147.7
93.75	Top - Section 2	1.00	0.97	30.743	33.82	305.66	0.888 *	0.000	3.75	10.555	9.38	317.1	0.0	1088.4
95.00		1.00	0.97	30.859	33.95	308.97	0.889 *	0.000	1.25	3.446	3.06	104.0	0.0	163.4
100.00		1.00	0.99	31.315	34.45	298.21	0.899 *	0.000	5.00	13.427	12.07	415.8	0.0	636.3
105.00		1.00	1.00	31.754	34.93	287.17	0.916 *	0.000	5.00	12.853	11.78	411.4	0.0	608.8
110.00		1.00	1.02	32.179	35.40	275.87	0.935 *	0.000	5.00	12.278	11.48	406.5	0.0	581.3
115.00		1.00	1.03	32.591	35.85	264.33	1.200 *	0.000	5.00	11.704	14.04	503.5	0.0	553.9
117.00	Appurtenance(s)	1.00	1.03	32.752	36.03	259.65	1.200 *	0.000	2.00	4.521	5.42	195.4	0.0	213.8
120.00	Bot - Section 4	1.00	1.04	32.989	36.29	252.56	0.730	0.000	3.00	6.609	4.82	175.1	0.0	312.5
123.25	Top - Section 3	1.00	1.05	33.242	36.57	244.80	0.730	0.000	3.25	7.030	5.13	187.6	0.0	527.8
125.00		1.00	1.05	33.376	36.71	244.30	0.730	0.000	1.75	3.685	2.69	98.8	0.0	105.0
127.00	Appurtenance(s)	1.00	1.06	33.528	36.88	239.46	0.730	0.000	2.00	4.125	3.01	111.1	0.0	117.5
130.00		1.00	1.07	33.752	37.13	232.14	0.730	0.000	3.00	6.015	4.39	163.0	0.0	171.4
135.00		1.00	1.08	34.118	37.53	219.79	0.730	0.000	5.00	9.565	6.98	262.1	0.0	272.4
137.00	Appurtenance(s)	1.00	1.08	34.262	37.69	214.80	0.730	0.000	2.00	3.665	2.68	100.8	0.0	104.3
140.00		1.00	1.09	34.475	37.92	207.26	0.730	0.000	3.00	5.326	3.89	147.4	0.0	151.6
145.00		1.00	1.10	34.822	38.30	194.56	0.730	0.000	5.00	8.417	6.14	235.4	0.0	239.4
147.00	Appurtenance(s)	1.00	1.10	34.959	38.45	189.43	0.730	0.000	2.00	3.206	2.34	90.0	0.0	91.2
150.00		1.00	1.11	35.161	38.68	181.69	0.730	0.000	3.00	4.637	3.38	130.9	0.0	131.8
155.00	Appurtenance(s)	1.00	1.12	35.492	39.04	168.67	0.730	0.000	5.00	7.268	5.31	207.1	0.0	206.4
								Totals:	**155.00**			**11,721.9**		**27,084.8**

* Cf Adjusted by Linear Load Ra Effect

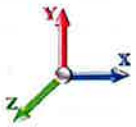
Discrete Appurtenance Forces

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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 115 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	155.00	ALU TD-RRH8x20-25	3	35.622	39.185	0.50	0.75	6.11	252.00	0.000	2.000	239.24	0.00	478.47
2	155.00	ACU-A20-N	4	35.622	39.185	0.38	0.75	0.21	4.80	0.000	2.000	8.23	0.00	16.46
3	155.00	Low Profile Platform	1	35.492	39.041	1.00	1.00	28.00	1800.00	0.000	0.000	1093.16	0.00	0.00
4	155.00	6' Lightning rod	1	35.492	39.041	1.00	1.00	0.38	7.80	0.000	0.000	14.84	0.00	0.00
5	155.00	Ericsson 4480 B71 + B85	3	35.622	39.185	0.50	0.75	4.30	334.80	0.000	2.000	168.35	0.00	336.70
6	155.00	Ericsson 4460 B25 + B66	3	35.622	39.185	0.50	0.75	4.30	392.40	0.000	2.000	168.35	0.00	336.70
7	155.00	Ericsson AIR6449 B41	3	35.622	39.185	0.71	1.00	12.03	370.80	0.000	2.000	471.57	0.00	943.13
8	155.00	PRK-SFS	1	35.492	39.041	1.00	1.00	9.50	557.89	0.000	0.000	370.89	0.00	0.00
9	155.00	HRK14-HD	1	35.492	39.041	1.00	1.00	8.13	362.83	0.000	0.000	317.41	0.00	0.00
10	155.00	HRK14-U	1	35.492	39.041	1.00	1.00	6.75	314.06	0.000	0.000	263.53	0.00	0.00
11	155.00	RFS	3	35.622	39.185	0.70	1.00	42.50	442.08	0.000	2.000	1665.50	0.00	3331.00
12	155.00	ALU 800 MHz Filter	3	35.622	39.185	0.38	0.75	0.88	31.68	0.000	2.000	34.38	0.00	68.77
13	147.00	MC-PK8-DSH	1	34.959	38.455	1.00	1.00	37.59	2072.40	0.000	0.000	1445.51	0.00	0.00
14	147.00	FFVV-65C-R3-V1	3	34.959	38.455	0.55	0.75	20.15	255.60	0.000	0.000	774.99	0.00	0.00
15	147.00	TA08025-B605	3	34.959	38.455	0.50	0.75	2.95	270.00	0.000	0.000	113.62	0.00	0.00
16	147.00	TA08025-B604	3	34.959	38.455	0.50	0.75	2.95	230.04	0.000	0.000	113.62	0.00	0.00
17	147.00	RDIDC-9181-PF-48	1	34.959	38.455	0.75	0.75	1.51	26.28	0.000	0.000	57.97	0.00	0.00
18	137.00	Commscope -	1	34.262	37.688	0.57	0.80	2.73	54.00	0.000	0.000	102.75	0.00	0.00
19	137.00	Samsung - B2/B66A	3	34.262	37.688	0.62	0.80	3.47	253.08	0.000	0.000	130.94	0.00	0.00
20	137.00	Samsung - B5/B13	3	34.262	37.688	0.66	0.80	3.74	303.84	0.000	0.000	141.14	0.00	0.00
21	137.00	Samsung VZS01	3	34.262	37.688	0.56	0.80	7.90	313.56	0.000	0.000	297.59	0.00	0.00
22	137.00	Low Profile Platform	1	34.262	37.688	1.00	1.00	28.00	1440.00	0.000	0.000	1055.27	0.00	0.00
23	137.00	LPA-80063/6CF_5	2	34.262	37.688	0.76	0.80	14.58	64.80	0.000	0.000	549.37	0.00	0.00
24	137.00	LPA-80080/6CF	2	34.262	37.688	1.20	0.80	10.37	50.40	0.000	0.000	390.75	0.00	0.00
25	137.00	LPA-80080/4CF	2	34.262	37.688	0.74	0.80	3.88	28.80	0.000	0.000	146.37	0.00	0.00
26	137.00	Kaelus BSF0020F3V1-1	2	34.262	37.688	0.52	0.80	1.00	42.24	0.000	0.000	37.63	0.00	0.00
27	137.00	JMA - MX06FIT665-02	6	34.262	37.688	0.76	0.80	37.16	367.20	0.000	0.000	1400.65	0.00	0.00
28	127.00	860 10025	6	33.528	36.881	0.50	0.75	0.54	8.64	0.000	0.000	20.02	0.00	0.00
29	127.00	Low Profile Platform	1	33.528	36.881	1.00	1.00	25.00	1800.00	0.000	0.000	922.02	0.00	0.00
30	127.00	HRK14	1	33.528	36.881	1.00	1.00	6.75	314.06	0.000	0.000	248.95	0.00	0.00
31	127.00	7770	3	33.528	36.881	0.60	0.80	9.90	126.00	0.000	0.000	365.12	0.00	0.00
32	127.00	DC6-48-60-18-8F	1	33.528	36.881	0.80	0.80	1.18	38.16	0.000	0.000	43.37	0.00	0.00
33	127.00	DMP65R-BU6DA	3	33.528	36.881	0.54	0.75	20.59	285.84	0.000	0.000	759.39	0.00	0.00
34	127.00	(3) PRK-1245	1	33.528	36.881	1.00	1.00	9.50	557.89	0.000	0.000	350.37	0.00	0.00
35	127.00	HPA65R-BU6A	3	33.528	36.881	0.65	0.75	21.73	194.40	0.000	0.000	801.42	0.00	0.00
36	127.00	4449	3	33.528	36.881	0.50	0.75	2.49	252.00	0.000	0.000	91.74	0.00	0.00
37	127.00	8843	3	33.528	36.881	0.50	0.75	2.49	270.00	0.000	0.000	91.74	0.00	0.00
38	127.00	21401 TMA	6	33.528	36.881	0.50	0.75	3.89	101.52	0.000	0.000	143.44	0.00	0.00
39	117.00	Ericsson - Air 21 B2A/B4P	3	32.752	36.027	0.69	0.80	12.57	329.40	0.000	0.000	452.85	0.00	0.00
40	117.00	Air 21 B4A/B2P	3	32.752	36.027	0.69	0.80	12.57	325.44	0.000	0.000	452.85	0.00	0.00
41	117.00	T-Arms	3	32.752	36.027	0.56	0.75	13.50	1260.00	0.000	0.000	486.36	0.00	0.00
							Totals:		**16,506.74**			**16,803.24**		

Total Applied Force Summary

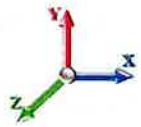
Structure:	CT00248-S		**Code:**	TIA-222-H	7/11/2023
Site Name:	North Bethel		**Exposure:**	B	
Height:	155.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

SBA

Load Case: 1.2D + 1.0W 115 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		423.16	1553.43	0.00	0.00
10.00		416.18	1520.45	0.00	0.00
15.00		409.02	1487.46	0.00	0.00
20.00		401.86	1454.48	0.00	0.00
25.00		394.70	1421.49	0.00	0.00
30.00		387.87	1388.51	0.00	0.00
35.00		397.84	1355.52	0.00	0.00
40.00		405.53	1322.54	0.00	0.00
44.00		327.62	1034.28	0.00	0.00
45.00		83.00	474.57	0.00	0.00
49.75		401.22	2218.19	0.00	0.00
50.00		20.81	62.96	0.00	0.00
55.00		423.30	1241.80	0.00	0.00
60.00		425.22	1208.82	0.00	0.00
65.00		426.12	1175.83	0.00	0.00
70.00		426.11	1142.85	0.00	0.00
75.00		425.28	1109.86	0.00	0.00
80.00		423.71	1076.88	0.00	0.00
85.00		421.46	1043.89	0.00	0.00
89.50		376.58	911.30	0.00	0.00
90.00		42.20	167.50	0.00	0.00
93.75		317.07	1236.96	0.00	0.00
95.00		104.00	212.89	0.00	0.00
100.00		415.82	834.38	0.00	0.00
105.00		411.41	806.89	0.00	0.00
110.00		406.52	779.40	0.00	0.00
115.00		593.89	751.92	0.00	0.00
117.00	(9) attachments	1623.78	2207.91	0.00	0.00
120.00		175.07	382.47	0.00	0.00
123.25		187.64	603.56	0.00	0.00
125.00		98.75	145.82	0.00	0.00
127.00	(31) attachments	3948.62	4112.69	0.00	0.00
130.00		163.03	216.84	0.00	0.00
135.00		262.07	348.20	0.00	0.00
137.00	(25) attachments	4353.31	3052.58	0.00	0.00
140.00		147.43	170.62	0.00	0.00
145.00		235.35	271.18	0.00	0.00
147.00	(11) attachments	2595.71	2958.17	0.00	0.00
150.00		130.91	143.66	0.00	0.00
155.00	(27) attachments	5022.58	5097.39	0.00	5511.24
	Totals:	**28,651.78**	**48,706.16**	**0.00**	**5,511.24**

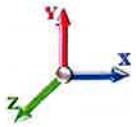
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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 115 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	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.100	0.000	22.181	0.00	11.95
5.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.100	0.000	22.181	0.00	74.88
5.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	22.181	0.00	6.60
10.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.103	1.008	22.181	0.00	11.95
10.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.103	1.008	22.181	0.00	74.88
10.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.103	1.008	22.181	0.00	6.60
15.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.105	1.016	22.181	0.00	11.95
15.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.105	1.016	22.181	0.00	74.88
15.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.105	1.016	22.181	0.00	6.60
20.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.108	1.024	22.181	0.00	11.95
20.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.108	1.024	22.181	0.00	74.88
20.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.108	1.024	22.181	0.00	6.60
25.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.111	1.033	22.181	0.00	11.95
25.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.111	1.033	22.181	0.00	74.88
25.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.111	1.033	22.181	0.00	6.60
30.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.114	1.042	22.200	0.00	11.95
30.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.114	1.042	22.200	0.00	74.88
30.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.114	1.042	22.200	0.00	6.60
35.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.117	1.051	23.200	0.00	11.95
35.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.117	1.051	23.200	0.00	74.88
35.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.117	1.051	23.200	0.00	6.60
40.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.121	1.062	24.102	0.00	11.95
40.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.121	1.062	24.102	0.00	74.88
40.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.121	1.062	24.102	0.00	6.60
44.00	1.75" Hybrid	Yes	4.00	0.000	1.75	0.58	0.00	0.124	1.071	24.767	0.00	9.56
44.00	1 5/8" Coax	Yes	4.00	0.000	3.96	1.32	0.00	0.124	1.071	24.767	0.00	59.90
44.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.124	1.071	24.767	0.00	5.28
45.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.126	1.077	24.927	0.00	2.39
45.00	1 5/8" Coax	Yes	1.00	0.000	3.96	0.33	0.00	0.126	1.077	24.927	0.00	14.98
45.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.126	1.077	24.927	0.00	1.32
49.75	1.75" Hybrid	Yes	4.75	0.000	1.75	0.69	0.00	0.128	1.084	25.652	0.00	11.35
49.75	1 5/8" Coax	Yes	4.75	0.000	3.96	1.57	0.00	0.128	1.084	25.652	0.00	71.14
49.75	1 5/8" Hybrid	Yes	4.75	0.000	0.00	0.00	0.00	0.128	1.084	25.652	0.00	6.27
50.00	1.75" Hybrid	Yes	0.25	0.000	1.75	0.04	0.00	0.128	1.083	25.689	0.00	0.60
50.00	1 5/8" Coax	Yes	0.25	0.000	3.96	0.08	0.00	0.128	1.083	25.689	0.00	3.74
50.00	1 5/8" Hybrid	Yes	0.25	0.000	0.00	0.00	0.00	0.128	1.083	25.689	0.00	0.33
55.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.130	1.089	26.398	0.00	11.95
55.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.130	1.089	26.398	0.00	74.88
55.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.130	1.089	26.398	0.00	6.60
60.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.134	1.102	27.062	0.00	11.95
60.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.134	1.102	27.062	0.00	74.88
60.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.134	1.102	27.062	0.00	6.60
65.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.138	1.115	27.688	0.00	11.95
65.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.138	1.115	27.688	0.00	74.88
65.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.138	1.115	27.688	0.00	6.60
70.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.143	1.130	28.281	0.00	11.95
70.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.143	1.130	28.281	0.00	74.88

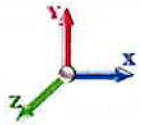
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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 115 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)
70.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.143	1.130	28.281	0.00	6.60
75.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.148	1.145	28.844	0.00	11.95
75.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.148	1.145	28.844	0.00	74.88
75.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.148	1.145	28.844	0.00	6.60
80.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.154	1.162	29.381	0.00	11.95
80.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.154	1.162	29.381	0.00	74.88
80.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.154	1.162	29.381	0.00	6.60
85.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.160	1.179	29.894	0.00	11.95
85.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.160	1.179	29.894	0.00	74.88
85.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.160	1.179	29.894	0.00	6.60
89.50	1.75" Hybrid	Yes	4.50	0.000	1.75	0.66	0.00	0.166	1.198	30.338	0.00	10.75
89.50	1 5/8" Coax	Yes	4.50	0.000	3.96	1.48	0.00	0.166	1.198	30.338	0.00	67.39
89.50	1 5/8" Hybrid	Yes	4.50	0.000	0.00	0.00	0.00	0.166	1.198	30.338	0.00	5.94
90.00	1.75" Hybrid	Yes	0.50	0.000	1.75	0.07	0.00	0.169	1.208	30.386	0.00	1.19
90.00	1 5/8" Coax	Yes	0.50	0.000	3.96	0.17	0.00	0.169	1.208	30.386	0.00	7.49
90.00	1 5/8" Hybrid	Yes	0.50	0.000	0.00	0.00	0.00	0.169	1.208	30.386	0.00	0.66
93.75	1.75" Hybrid	Yes	3.75	0.000	1.75	0.55	0.00	0.172	1.217	30.743	0.00	8.96
93.75	1 5/8" Coax	Yes	3.75	0.000	3.96	1.24	0.00	0.172	1.217	30.743	0.00	56.16
93.75	1 5/8" Hybrid	Yes	3.75	0.000	0.00	0.00	0.00	0.172	1.217	30.743	0.00	4.95
95.00	1.75" Hybrid	Yes	1.25	0.000	1.75	0.18	0.00	0.173	1.218	30.859	0.00	2.99
95.00	1 5/8" Coax	Yes	1.25	0.000	3.96	0.41	0.00	0.173	1.218	30.859	0.00	18.72
95.00	1 5/8" Hybrid	Yes	1.25	0.000	0.00	0.00	0.00	0.173	1.218	30.859	0.00	1.65
100.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.177	1.232	31.315	0.00	11.95
100.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.177	1.232	31.315	0.00	74.88
100.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.177	1.232	31.315	0.00	6.60
105.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.185	1.255	31.754	0.00	11.95
105.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.185	1.255	31.754	0.00	74.88
105.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.185	1.255	31.754	0.00	6.60
110.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.194	1.281	32.179	0.00	11.95
110.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.194	1.281	32.179	0.00	74.88
110.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.194	1.281	32.179	0.00	6.60
115.00	1.75" Hybrid	Yes	5.00	1.200	1.75	0.73	0.87	0.203	0.000	32.591	31.37	11.95
115.00	1 5/8" Coax	Yes	5.00	0.998	3.96	1.65	1.65	0.203	0.000	32.591	59.02	74.88
115.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.203	0.000	32.591	0.00	6.60
117.00	1.75" Hybrid	Yes	2.00	1.200	1.75	0.29	0.35	0.211	0.000	32.752	12.61	4.78
117.00	1 5/8" Coax	Yes	2.00	0.995	3.96	0.66	0.66	0.211	0.000	32.752	23.67	29.95
117.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.211	0.000	32.752	0.00	2.64
120.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.066	0.000	32.989	0.00	7.17
123.25	1.75" Hybrid	Yes	3.25	0.000	1.75	0.47	0.00	0.068	0.000	33.242	0.00	7.76
125.00	1.75" Hybrid	Yes	1.75	0.000	1.75	0.26	0.00	0.069	0.000	33.376	0.00	4.18
127.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.071	0.000	33.528	0.00	4.78
130.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.073	0.000	33.752	0.00	7.17
135.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.076	0.000	34.118	0.00	11.95
137.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.080	0.000	34.262	0.00	4.78
140.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.082	0.000	34.475	0.00	7.17
145.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.087	0.000	34.822	0.00	11.95
147.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.091	0.000	34.959	0.00	4.78

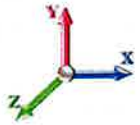
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Load Case: 1.2D + 1.0W 115 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)
										Totals:	**126.7**	**2,257.8**

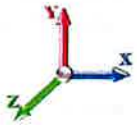
Calculated Forces

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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 115 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	-48.66	-28.73	0.00	-3418.0	0.00	3418.00	4331.76	1179.24	5523.56	5037.85	0.00	0.000	0.000	0.690
5.00	-47.02	-28.45	0.00	-3274.3	0.00	3274.36	4271.91	1150.89	5261.13	4848.00	0.09	-0.176	0.000	0.687
10.00	-45.41	-28.17	0.00	-3132.1	0.00	3132.12	4209.88	1122.53	5005.09	4659.10	0.38	-0.357	0.000	0.684
15.00	-43.83	-27.90	0.00	-2991.2	0.00	2991.27	4145.67	1094.18	4755.44	4471.34	0.85	-0.544	0.000	0.680
20.00	-42.29	-27.62	0.00	-2851.7	0.00	2851.79	4079.27	1065.82	4512.17	4284.91	1.52	-0.736	0.000	0.677
25.00	-40.78	-27.35	0.00	-2713.6	0.00	2713.69	4010.69	1037.47	4275.29	4099.98	2.40	-0.934	0.000	0.673
30.00	-39.30	-27.08	0.00	-2576.9	0.00	2576.94	3939.93	1009.12	4044.80	3916.74	3.49	-1.138	0.000	0.669
35.00	-37.85	-26.79	0.00	-2441.5	0.00	2441.54	3866.98	980.76	3820.69	3735.38	4.79	-1.349	0.000	0.664
40.00	-36.45	-26.48	0.00	-2307.5	0.00	2307.58	3791.85	952.41	3602.97	3556.07	6.32	-1.566	0.000	0.659
44.00	-35.38	-26.19	0.00	-2201.6	0.00	2201.65	3730.17	929.72	3433.39	3414.24	7.71	-1.746	0.000	0.655
45.00	-34.84	-26.18	0.00	-2175.4	0.00	2175.46	3714.54	924.05	3391.64	3379.01	8.08	-1.793	0.000	0.654
49.75	-32.59	-25.77	0.00	-2051.1	0.00	2051.12	3683.20	912.78	3309.41	3309.30	9.98	-2.012	0.000	0.629
50.00	-32.47	-25.81	0.00	-2044.6	0.00	2044.68	3679.23	911.37	3299.14	3300.56	10.08	-2.024	0.000	0.629
55.00	-31.14	-25.47	0.00	-1915.6	0.00	1915.62	3598.76	883.01	3097.05	3127.07	12.32	-2.250	0.000	0.622
60.00	-29.85	-25.12	0.00	-1788.2	0.00	1788.28	3516.10	854.66	2901.35	2956.28	14.80	-2.482	0.000	0.614
65.00	-28.59	-24.76	0.00	-1662.7	0.00	1662.70	3431.27	826.30	2712.03	2788.37	17.53	-2.720	0.000	0.606
70.00	-27.37	-24.39	0.00	-1538.9	0.00	1538.91	3344.24	797.95	2529.10	2623.52	20.51	-2.965	0.000	0.596
75.00	-26.17	-24.03	0.00	-1416.9	0.00	1416.94	3255.04	769.60	2352.56	2461.92	23.75	-3.216	0.000	0.585
80.00	-25.02	-23.65	0.00	-1296.8	0.00	1296.82	3137.93	741.24	2182.41	2285.03	27.25	-3.472	0.000	0.577
85.00	-23.90	-23.27	0.00	-1178.5	0.00	1178.55	3017.89	712.89	2018.64	2112.68	31.03	-3.734	0.000	0.567
89.50	-22.96	-22.89	0.00	-1073.8	0.00	1073.83	2909.87	687.37	1876.70	1963.34	34.66	-3.975	0.000	0.556
90.00	-22.75	-22.88	0.00	-1062.3	0.00	1062.38	2897.86	684.53	1861.25	1947.09	35.08	-4.004	0.000	0.555
93.75	-21.49	-22.53	0.00	-976.58	0.00	976.58	2354.99	564.69	1519.91	1569.17	38.31	-4.209	0.000	0.633
95.00	-21.21	-22.48	0.00	-948.42	0.00	948.42	2336.81	558.78	1488.28	1540.62	39.42	-4.280	0.000	0.626
100.00	-20.29	-22.11	0.00	-836.02	0.00	836.02	2262.72	535.16	1365.08	1428.08	44.06	-4.587	0.000	0.596
105.00	-19.40	-21.74	0.00	-725.47	0.00	725.47	2165.47	511.53	1247.20	1305.76	49.02	-4.892	0.000	0.566
110.00	-18.55	-21.36	0.00	-616.79	0.00	616.79	2065.44	487.90	1134.64	1187.31	54.30	-5.192	0.000	0.530
115.00	-17.79	-20.76	0.00	-510.00	0.00	510.00	1965.41	464.27	1027.40	1074.49	59.89	-5.482	0.000	0.486
117.00	-15.70	-18.97	0.00	-468.48	0.00	468.48	1925.40	454.82	986.00	1030.94	62.21	-5.599	0.000	0.464
120.00	-15.28	-18.80	0.00	-411.57	0.00	411.57	1865.39	440.64	925.49	967.30	65.78	-5.767	0.000	0.435
123.25	-14.66	-18.59	0.00	-350.46	0.00	350.46	1005.19	260.39	538.64	515.83	69.76	-5.941	0.000	0.699
125.00	-14.48	-18.51	0.00	-317.93	0.00	317.93	992.91	255.43	518.31	499.75	71.95	-6.032	0.000	0.656
127.00	-10.77	-14.18	0.00	-280.92	0.00	280.92	978.56	249.76	495.55	481.51	74.51	-6.187	0.000	0.598
130.00	-10.50	-14.04	0.00	-238.39	0.00	238.39	956.38	241.25	462.37	454.44	78.46	-6.402	0.000	0.539
135.00	-10.14	-13.78	0.00	-168.19	0.00	168.19	917.66	227.08	409.63	410.21	85.33	-6.714	0.000	0.425
137.00	-7.60	-9.11	0.00	-140.63	0.00	140.63	901.57	221.41	389.42	392.87	88.16	-6.828	0.000	0.368
140.00	-7.42	-8.97	0.00	-113.29	0.00	113.29	876.76	212.90	360.08	367.25	92.49	-6.979	0.000	0.319
145.00	-7.16	-8.72	0.00	-68.45	0.00	68.45	833.68	198.72	313.72	325.74	99.90	-7.182	0.000	0.221
147.00	-4.54	-5.78	0.00	-51.01	0.00	51.01	815.84	193.05	296.07	309.58	102.91	-7.248	0.000	0.171
150.00	-4.41	-5.63	0.00	-33.68	0.00	33.68	781.24	184.55	270.55	283.26	107.48	-7.324	0.000	0.125
155.00	0.00	-5.02	0.00	-5.51	0.00	5.51	721.23	170.37	230.58	241.20	115.17	-7.391	0.000	0.024

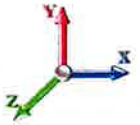
Wind Loading - Shaft

Structure: CT00248-S
Site Name: North Bethel
Height: 155.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/11/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

SBA

Load Case: 0.9D + 1.0W 115 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	22.181	24.40	459.26	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	22.181	24.40	448.29	0.730	0.000	5.00	23.757	17.34	423.2	0.0	1016.5
10.00		1.00	0.70	22.181	24.40	437.32	0.736 *	0.000	5.00	23.183	17.06	416.2	0.0	991.8
15.00		1.00	0.70	22.181	24.40	426.35	0.741 *	0.000	5.00	22.609	16.76	409.0	0.0	967.0
20.00		1.00	0.70	22.181	24.40	415.38	0.747 *	0.000	5.00	22.034	16.47	401.9	0.0	942.3
25.00		1.00	0.70	22.181	24.40	404.41	0.754 *	0.000	5.00	21.460	16.18	394.7	0.0	917.6
30.00		1.00	0.70	22.200	24.42	393.61	0.760 *	0.000	5.00	20.886	15.88	387.9	0.0	892.8
35.00		1.00	0.73	23.200	25.52	391.15	0.768 *	0.000	5.00	20.311	15.59	397.8	0.0	868.1
40.00		1.00	0.76	24.102	26.51	387.25	0.775 *	0.000	5.00	19.737	15.30	405.5	0.0	843.4
44.00	Bot - Section 2	1.00	0.78	24.767	27.24	383.29	0.782 *	0.000	4.00	15.376	12.03	327.6	0.0	656.9
45.00		1.00	0.79	24.927	27.42	382.19	0.786 *	0.000	1.00	3.850	3.03	83.0	0.0	326.2
49.75	Top - Section 1	1.00	0.81	25.652	28.22	376.51	0.791 *	0.000	4.75	17.974	14.22	401.2	0.0	1522.5
50.00		1.00	0.81	25.689	28.26	382.71	0.791 *	0.000	0.25	0.932	0.74	20.8	0.0	39.8
55.00		1.00	0.83	26.398	29.04	375.99	0.795 *	0.000	5.00	18.331	14.58	423.3	0.0	782.8
60.00		1.00	0.85	27.062	29.77	368.57	0.804 *	0.000	5.00	17.757	14.28	425.2	0.0	758.1
65.00		1.00	0.87	27.688	30.46	360.56	0.814 *	0.000	5.00	17.183	13.99	426.1	0.0	733.3
70.00		1.00	0.89	28.281	31.11	352.01	0.825 *	0.000	5.00	16.609	13.70	426.1	0.0	708.6
75.00		1.00	0.91	28.844	31.73	342.98	0.836 *	0.000	5.00	16.034	13.40	425.3	0.0	683.8
80.00		1.00	0.93	29.381	32.32	333.54	0.848 *	0.000	5.00	15.460	13.11	423.7	0.0	659.1
85.00		1.00	0.94	29.894	32.88	323.70	0.861 *	0.000	5.00	14.886	12.82	421.5	0.0	634.4
89.50	Bot - Section 3	1.00	0.96	30.338	33.37	314.55	0.874 *	0.000	4.50	12.906	11.28	376.6	0.0	549.8
90.00		1.00	0.96	30.386	33.42	313.52	0.882 *	0.000	0.50	1.432	1.26	42.2	0.0	110.8
93.75	Top - Section 2	1.00	0.97	30.743	33.82	305.66	0.888 *	0.000	3.75	10.555	9.38	317.1	0.0	816.3
95.00		1.00	0.97	30.859	33.95	308.97	0.889 *	0.000	1.25	3.446	3.06	104.0	0.0	122.5
100.00		1.00	0.99	31.315	34.45	298.21	0.899 *	0.000	5.00	13.427	12.07	415.8	0.0	477.2
105.00		1.00	1.00	31.754	34.93	287.17	0.916 *	0.000	5.00	12.853	11.78	411.4	0.0	456.6
110.00		1.00	1.02	32.179	35.40	275.87	0.935 *	0.000	5.00	12.278	11.48	406.5	0.0	436.0
115.00		1.00	1.03	32.591	35.85	264.33	1.200 *	0.000	5.00	11.704	14.04	503.5	0.0	415.4
117.00	Appurtenance(s)	1.00	1.03	32.752	36.03	259.65	1.200 *	0.000	2.00	4.521	5.42	195.4	0.0	160.4
120.00	Bot - Section 4	1.00	1.04	32.989	36.29	252.56	0.730	0.000	3.00	6.609	4.82	175.1	0.0	234.4
123.25	Top - Section 3	1.00	1.05	33.242	36.57	244.80	0.730	0.000	3.25	7.030	5.13	187.6	0.0	395.8
125.00		1.00	1.05	33.376	36.71	244.30	0.730	0.000	1.75	3.685	2.69	98.8	0.0	78.8
127.00	Appurtenance(s)	1.00	1.06	33.528	36.88	239.46	0.730	0.000	2.00	4.125	3.01	111.1	0.0	88.2
130.00		1.00	1.07	33.752	37.13	232.14	0.730	0.000	3.00	6.015	4.39	163.0	0.0	128.5
135.00		1.00	1.08	34.118	37.53	219.79	0.730	0.000	5.00	9.565	6.98	262.1	0.0	204.3
137.00	Appurtenance(s)	1.00	1.08	34.262	37.69	214.80	0.730	0.000	2.00	3.665	2.68	100.8	0.0	78.3
140.00		1.00	1.09	34.475	37.92	207.26	0.730	0.000	3.00	5.326	3.89	147.4	0.0	113.7
145.00		1.00	1.10	34.822	38.30	194.56	0.730	0.000	5.00	8.417	6.14	235.4	0.0	179.6
147.00	Appurtenance(s)	1.00	1.10	34.959	38.45	189.43	0.730	0.000	2.00	3.206	2.34	90.0	0.0	68.4
150.00		1.00	1.11	35.161	38.68	181.69	0.730	0.000	3.00	4.637	3.38	130.9	0.0	98.8
155.00	Appurtenance(s)	1.00	1.12	35.492	39.04	168.67	0.730	0.000	5.00	7.268	5.31	207.1	0.0	154.8
								Totals:	**155.00**			**11,721.9**		**20,313.6**

* Cf Adjusted by Linear Load Ra Effect

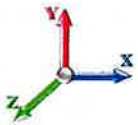
Discrete Appurtenance Forces

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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: 0.9D + 1.0W 115 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	155.00	ALU TD-RRH8x20-25	3	35.622	39.185	0.50	0.75	6.11	189.00	0.000	2.000	239.24	0.00	478.47
2	155.00	ACU-A20-N	4	35.622	39.185	0.38	0.75	0.21	3.60	0.000	2.000	8.23	0.00	16.46
3	155.00	Low Profile Platform	1	35.492	39.041	1.00	1.00	28.00	1350.00	0.000	0.000	1093.16	0.00	0.00
4	155.00	6' Lightning rod	1	35.492	39.041	1.00	1.00	0.38	5.85	0.000	0.000	14.84	0.00	0.00
5	155.00	Ericsson 4480 B71 + B85	3	35.622	39.185	0.50	0.75	4.30	251.10	0.000	2.000	168.35	0.00	336.70
6	155.00	Ericsson 4460 B25 + B66	3	35.622	39.185	0.50	0.75	4.30	294.30	0.000	2.000	168.35	0.00	336.70
7	155.00	Ericsson AIR6449 B41	3	35.622	39.185	0.71	1.00	12.03	278.10	0.000	2.000	471.57	0.00	943.13
8	155.00	PRK-SFS	1	35.492	39.041	1.00	1.00	9.50	418.42	0.000	0.000	370.89	0.00	0.00
9	155.00	HRK14-HD	1	35.492	39.041	1.00	1.00	8.13	272.12	0.000	0.000	317.41	0.00	0.00
10	155.00	HRK14-U	1	35.492	39.041	1.00	1.00	6.75	235.55	0.000	0.000	263.53	0.00	0.00
11	155.00	RFS	3	35.622	39.185	0.70	1.00	42.50	331.56	0.000	2.000	1665.50	0.00	3331.00
12	155.00	ALU 800 MHz Filter	3	35.622	39.185	0.38	0.75	0.88	23.76	0.000	2.000	34.38	0.00	68.77
13	147.00	MC-PK8-DSH	1	34.959	38.455	1.00	1.00	37.59	1554.30	0.000	0.000	1445.51	0.00	0.00
14	147.00	FFVV-65C-R3-V1	3	34.959	38.455	0.55	0.75	20.15	191.70	0.000	0.000	774.99	0.00	0.00
15	147.00	TA08025-B605	3	34.959	38.455	0.50	0.75	2.95	202.50	0.000	0.000	113.62	0.00	0.00
16	147.00	TA08025-B604	3	34.959	38.455	0.50	0.75	2.95	172.53	0.000	0.000	113.62	0.00	0.00
17	147.00	RDIDC-9181-PF-48	1	34.959	38.455	0.75	0.75	1.51	19.71	0.000	0.000	57.97	0.00	0.00
18	137.00	Commscope -	1	34.262	37.688	0.57	0.80	2.73	40.50	0.000	0.000	102.75	0.00	0.00
19	137.00	Samsung - B2/B66A	3	34.262	37.688	0.62	0.80	3.47	189.81	0.000	0.000	130.94	0.00	0.00
20	137.00	Samsung - B5/B13	3	34.262	37.688	0.66	0.80	3.74	227.88	0.000	0.000	141.14	0.00	0.00
21	137.00	Samsung VZS01	3	34.262	37.688	0.56	0.80	7.90	235.17	0.000	0.000	297.59	0.00	0.00
22	137.00	Low Profile Platform	1	34.262	37.688	1.00	1.00	28.00	1080.00	0.000	0.000	1055.27	0.00	0.00
23	137.00	LPA-80063/6CF_5	2	34.262	37.688	0.76	0.80	14.58	48.60	0.000	0.000	549.37	0.00	0.00
24	137.00	LPA-80080/6CF	2	34.262	37.688	1.20	0.80	10.37	37.80	0.000	0.000	390.75	0.00	0.00
25	137.00	LPA-80080/4CF	2	34.262	37.688	0.74	0.80	3.88	21.60	0.000	0.000	146.37	0.00	0.00
26	137.00	Kaelus BSF0020F3V1-1	2	34.262	37.688	0.52	0.80	1.00	31.68	0.000	0.000	37.63	0.00	0.00
27	137.00	JMA - MX06FIT665-02	6	34.262	37.688	0.76	0.80	37.16	275.40	0.000	0.000	1400.65	0.00	0.00
28	127.00	860 10025	6	33.528	36.881	0.50	0.75	0.54	6.48	0.000	0.000	20.02	0.00	0.00
29	127.00	Low Profile Platform	1	33.528	36.881	1.00	1.00	25.00	1350.00	0.000	0.000	922.02	0.00	0.00
30	127.00	HRK14	1	33.528	36.881	1.00	1.00	6.75	235.55	0.000	0.000	248.95	0.00	0.00
31	127.00	7770	3	33.528	36.881	0.60	0.80	9.90	94.50	0.000	0.000	365.12	0.00	0.00
32	127.00	DC6-48-60-18-8F	1	33.528	36.881	0.80	0.80	1.18	28.62	0.000	0.000	43.37	0.00	0.00
33	127.00	DMP65R-BU6DA	3	33.528	36.881	0.54	0.75	20.59	214.38	0.000	0.000	759.39	0.00	0.00
34	127.00	(3) PRK-1245	1	33.528	36.881	1.00	1.00	9.50	418.42	0.000	0.000	350.37	0.00	0.00
35	127.00	HPA65R-BU6A	3	33.528	36.881	0.65	0.75	21.73	145.80	0.000	0.000	801.42	0.00	0.00
36	127.00	4449	3	33.528	36.881	0.50	0.75	2.49	189.00	0.000	0.000	91.74	0.00	0.00
37	127.00	8843	3	33.528	36.881	0.50	0.75	2.49	202.50	0.000	0.000	91.74	0.00	0.00
38	127.00	21401 TMA	6	33.528	36.881	0.50	0.75	3.89	76.14	0.000	0.000	143.44	0.00	0.00
39	117.00	Ericsson - Air 21 B2A/B4P	3	32.752	36.027	0.69	0.80	12.57	247.05	0.000	0.000	452.85	0.00	0.00
40	117.00	Air 21 B4A/B2P	3	32.752	36.027	0.69	0.80	12.57	244.08	0.000	0.000	452.85	0.00	0.00
41	117.00	T-Arms	3	32.752	36.027	0.56	0.75	13.50	945.00	0.000	0.000	486.36	0.00	0.00
							Totals:		**12,380.06**			**16,803.24**		

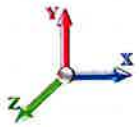
Total Applied Force Summary

Structure:	CT00248-S		**Code:**	TIA-222-H	7/11/2023
Site Name:	North Bethel		**Exposure:**	B	
Height:	155.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Load Case: 0.9D + 1.0W 115 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		423.16	1165.07	0.00	0.00
10.00		416.18	1140.34	0.00	0.00
15.00		409.02	1115.60	0.00	0.00
20.00		401.86	1090.86	0.00	0.00
25.00		394.70	1066.12	0.00	0.00
30.00		387.87	1041.38	0.00	0.00
35.00		397.84	1016.64	0.00	0.00
40.00		405.53	991.90	0.00	0.00
44.00		327.62	775.71	0.00	0.00
45.00		83.00	355.93	0.00	0.00
49.75		401.22	1663.64	0.00	0.00
50.00		20.81	47.22	0.00	0.00
55.00		423.30	931.35	0.00	0.00
60.00		425.22	906.61	0.00	0.00
65.00		426.12	881.88	0.00	0.00
70.00		426.11	857.14	0.00	0.00
75.00		425.28	832.40	0.00	0.00
80.00		423.71	807.66	0.00	0.00
85.00		421.46	782.92	0.00	0.00
89.50		376.58	683.48	0.00	0.00
90.00		42.20	125.62	0.00	0.00
93.75		317.07	927.72	0.00	0.00
95.00		104.00	159.67	0.00	0.00
100.00		415.82	625.78	0.00	0.00
105.00		411.41	605.17	0.00	0.00
110.00		406.52	584.55	0.00	0.00
115.00		593.89	563.94	0.00	0.00
117.00	(9) attachments	1623.78	1655.93	0.00	0.00
120.00		175.07	286.85	0.00	0.00
123.25		187.64	452.67	0.00	0.00
125.00		98.75	109.36	0.00	0.00
127.00	(31) attachments	3948.62	3084.52	0.00	0.00
130.00		163.03	162.63	0.00	0.00
135.00		262.07	261.15	0.00	0.00
137.00	(25) attachments	4353.31	2289.44	0.00	0.00
140.00		147.43	127.97	0.00	0.00
145.00		235.35	203.38	0.00	0.00
147.00	(11) attachments	2595.71	2218.63	0.00	0.00
150.00		130.91	107.75	0.00	0.00
155.00	(27) attachments	5022.58	3823.04	0.00	5511.24
	Totals:	**28,651.78**	**36,529.62**	**0.00**	**5,511.24**

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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 115 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	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.100	0.000	22.181	0.00	8.96
5.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.100	0.000	22.181	0.00	56.16
5.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	22.181	0.00	4.95
10.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.103	1.008	22.181	0.00	8.96
10.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.103	1.008	22.181	0.00	56.16
10.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.103	1.008	22.181	0.00	4.95
15.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.105	1.016	22.181	0.00	8.96
15.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.105	1.016	22.181	0.00	56.16
15.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.105	1.016	22.181	0.00	4.95
20.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.108	1.024	22.181	0.00	8.96
20.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.108	1.024	22.181	0.00	56.16
20.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.108	1.024	22.181	0.00	4.95
25.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.111	1.033	22.181	0.00	8.96
25.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.111	1.033	22.181	0.00	56.16
25.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.111	1.033	22.181	0.00	4.95
30.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.114	1.042	22.200	0.00	8.96
30.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.114	1.042	22.200	0.00	56.16
30.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.114	1.042	22.200	0.00	4.95
35.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.117	1.051	23.200	0.00	8.96
35.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.117	1.051	23.200	0.00	56.16
35.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.117	1.051	23.200	0.00	4.95
40.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.121	1.062	24.102	0.00	8.96
40.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.121	1.062	24.102	0.00	56.16
40.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.121	1.062	24.102	0.00	4.95
44.00	1.75" Hybrid	Yes	4.00	0.000	1.75	0.58	0.00	0.124	1.071	24.767	0.00	7.17
44.00	1 5/8" Coax	Yes	4.00	0.000	3.96	1.32	0.00	0.124	1.071	24.767	0.00	44.93
44.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.124	1.071	24.767	0.00	3.96
45.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.126	1.077	24.927	0.00	1.79
45.00	1 5/8" Coax	Yes	1.00	0.000	3.96	0.33	0.00	0.126	1.077	24.927	0.00	11.23
45.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.126	1.077	24.927	0.00	0.99
49.75	1.75" Hybrid	Yes	4.75	0.000	1.75	0.69	0.00	0.128	1.084	25.652	0.00	8.51
49.75	1 5/8" Coax	Yes	4.75	0.000	3.96	1.57	0.00	0.128	1.084	25.652	0.00	53.35
49.75	1 5/8" Hybrid	Yes	4.75	0.000	0.00	0.00	0.00	0.128	1.084	25.652	0.00	4.70
50.00	1.75" Hybrid	Yes	0.25	0.000	1.75	0.04	0.00	0.128	1.083	25.689	0.00	0.45
50.00	1 5/8" Coax	Yes	0.25	0.000	3.96	0.08	0.00	0.128	1.083	25.689	0.00	2.81
50.00	1 5/8" Hybrid	Yes	0.25	0.000	0.00	0.00	0.00	0.128	1.083	25.689	0.00	0.25
55.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.130	1.089	26.398	0.00	8.96
55.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.130	1.089	26.398	0.00	56.16
55.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.130	1.089	26.398	0.00	4.95
60.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.134	1.102	27.062	0.00	8.96
60.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.134	1.102	27.062	0.00	56.16
60.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.134	1.102	27.062	0.00	4.95
65.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.138	1.115	27.688	0.00	8.96
65.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.138	1.115	27.688	0.00	56.16
65.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.138	1.115	27.688	0.00	4.95
70.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.143	1.130	28.281	0.00	8.96
70.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.143	1.130	28.281	0.00	56.16

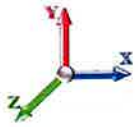
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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	

Load Case: 0.9D + 1.0W 115 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)
70.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.143	1.130	28.281	0.00	4.95
75.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.148	1.145	28.844	0.00	8.96
75.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.148	1.145	28.844	0.00	56.16
75.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.148	1.145	28.844	0.00	4.95
80.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.154	1.162	29.381	0.00	8.96
80.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.154	1.162	29.381	0.00	56.16
80.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.154	1.162	29.381	0.00	4.95
85.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.160	1.179	29.894	0.00	8.96
85.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.160	1.179	29.894	0.00	56.16
85.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.160	1.179	29.894	0.00	4.95
89.50	1.75" Hybrid	Yes	4.50	0.000	1.75	0.66	0.00	0.166	1.198	30.338	0.00	8.06
89.50	1 5/8" Coax	Yes	4.50	0.000	3.96	1.48	0.00	0.166	1.198	30.338	0.00	50.54
89.50	1 5/8" Hybrid	Yes	4.50	0.000	0.00	0.00	0.00	0.166	1.198	30.338	0.00	4.46
90.00	1.75" Hybrid	Yes	0.50	0.000	1.75	0.07	0.00	0.169	1.208	30.386	0.00	0.90
90.00	1 5/8" Coax	Yes	0.50	0.000	3.96	0.17	0.00	0.169	1.208	30.386	0.00	5.62
90.00	1 5/8" Hybrid	Yes	0.50	0.000	0.00	0.00	0.00	0.169	1.208	30.386	0.00	0.50
93.75	1.75" Hybrid	Yes	3.75	0.000	1.75	0.55	0.00	0.172	1.217	30.743	0.00	6.72
93.75	1 5/8" Coax	Yes	3.75	0.000	3.96	1.24	0.00	0.172	1.217	30.743	0.00	42.12
93.75	1 5/8" Hybrid	Yes	3.75	0.000	0.00	0.00	0.00	0.172	1.217	30.743	0.00	3.71
95.00	1.75" Hybrid	Yes	1.25	0.000	1.75	0.18	0.00	0.173	1.218	30.859	0.00	2.24
95.00	1 5/8" Coax	Yes	1.25	0.000	3.96	0.41	0.00	0.173	1.218	30.859	0.00	14.04
95.00	1 5/8" Hybrid	Yes	1.25	0.000	0.00	0.00	0.00	0.173	1.218	30.859	0.00	1.24
100.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.177	1.232	31.315	0.00	8.96
100.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.177	1.232	31.315	0.00	56.16
100.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.177	1.232	31.315	0.00	4.95
105.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.185	1.255	31.754	0.00	8.96
105.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.185	1.255	31.754	0.00	56.16
105.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.185	1.255	31.754	0.00	4.95
110.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.194	1.281	32.179	0.00	8.96
110.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.194	1.281	32.179	0.00	56.16
110.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.194	1.281	32.179	0.00	4.95
115.00	1.75" Hybrid	Yes	5.00	1.200	1.75	0.73	0.87	0.203	0.000	32.591	31.37	8.96
115.00	1 5/8" Coax	Yes	5.00	0.998	3.96	1.65	1.65	0.203	0.000	32.591	59.02	56.16
115.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.203	0.000	32.591	0.00	4.95
117.00	1.75" Hybrid	Yes	2.00	1.200	1.75	0.29	0.35	0.211	0.000	32.752	12.61	3.58
117.00	1 5/8" Coax	Yes	2.00	0.995	3.96	0.66	0.66	0.211	0.000	32.752	23.67	22.46
117.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.211	0.000	32.752	0.00	1.98
120.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.066	0.000	32.989	0.00	5.38
123.25	1.75" Hybrid	Yes	3.25	0.000	1.75	0.47	0.00	0.068	0.000	33.242	0.00	5.82
125.00	1.75" Hybrid	Yes	1.75	0.000	1.75	0.26	0.00	0.069	0.000	33.376	0.00	3.14
127.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.071	0.000	33.528	0.00	3.58
130.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.073	0.000	33.752	0.00	5.38
135.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.076	0.000	34.118	0.00	8.96
137.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.080	0.000	34.262	0.00	3.58
140.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.082	0.000	34.475	0.00	5.38
145.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.087	0.000	34.822	0.00	8.96
147.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.091	0.000	34.959	0.00	3.58

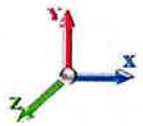
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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 115 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)
										Totals:	**126.7**	**1,693.4**

Calculated Forces

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 22

Load Case: 0.9D + 1.0W 115 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	-36.49	-28.71	0.00	-3368.1	0.00	3368.17	4331.76	1179.24	5523.56	5037.85	0.00	0.000	0.000	0.678
5.00	-35.23	-28.39	0.00	-3224.6	0.00	3224.64	4271.91	1150.89	5261.13	4848.00	0.09	-0.173	0.000	0.674
10.00	-34.01	-28.08	0.00	-3082.6	0.00	3082.68	4209.88	1122.53	5005.09	4659.10	0.37	-0.352	0.000	0.670
15.00	-32.80	-27.77	0.00	-2942.3	0.00	2942.30	4145.67	1094.18	4755.44	4471.34	0.84	-0.535	0.000	0.667
20.00	-31.63	-27.46	0.00	-2803.4	0.00	2803.47	4079.27	1065.82	4512.17	4284.91	1.50	-0.724	0.000	0.663
25.00	-30.47	-27.15	0.00	-2666.1	0.00	2666.18	4010.69	1037.47	4275.29	4099.98	2.36	-0.919	0.000	0.659
30.00	-29.34	-26.85	0.00	-2530.4	0.00	2530.41	3939.93	1009.12	4044.80	3916.74	3.43	-1.120	0.000	0.654
35.00	-28.24	-26.54	0.00	-2396.1	0.00	2396.15	3866.98	980.76	3820.69	3735.38	4.72	-1.326	0.000	0.650
40.00	-27.17	-26.20	0.00	-2263.4	0.00	2263.47	3791.85	952.41	3602.97	3556.07	6.22	-1.539	0.000	0.644
44.00	-26.35	-25.90	0.00	-2158.6	0.00	2158.68	3730.17	929.72	3433.39	3414.24	7.59	-1.716	0.000	0.640
45.00	-25.94	-25.87	0.00	-2132.7	0.00	2132.78	3714.54	924.05	3391.64	3379.01	7.95	-1.762	0.000	0.639
49.75	-24.24	-25.46	0.00	-2009.9	0.00	2009.92	3683.20	912.78	3309.41	3309.30	9.81	-1.977	0.000	0.615
50.00	-24.14	-25.49	0.00	-2003.5	0.00	2003.55	3679.23	911.37	3299.14	3300.56	9.92	-1.989	0.000	0.614
55.00	-23.13	-25.12	0.00	-1876.1	0.00	1876.13	3598.76	883.01	3097.05	3127.07	12.12	-2.210	0.000	0.607
60.00	-22.14	-24.75	0.00	-1750.5	0.00	1750.54	3516.10	854.66	2901.35	2956.28	14.55	-2.437	0.000	0.599
65.00	-21.18	-24.37	0.00	-1626.8	0.00	1626.81	3431.27	826.30	2712.03	2788.37	17.23	-2.670	0.000	0.590
70.00	-20.24	-23.99	0.00	-1504.9	0.00	1504.97	3344.24	797.95	2529.10	2623.52	20.15	-2.909	0.000	0.581
75.00	-19.33	-23.60	0.00	-1385.0	0.00	1385.03	3255.04	769.60	2352.56	2461.92	23.33	-3.155	0.000	0.569
80.00	-18.44	-23.22	0.00	-1267.0	0.00	1267.02	3137.93	741.24	2182.41	2285.03	26.77	-3.405	0.000	0.561
85.00	-17.59	-22.82	0.00	-1150.9	0.00	1150.95	3017.89	712.89	2018.64	2112.68	30.47	-3.661	0.000	0.552
89.50	-16.88	-22.44	0.00	-1048.2	0.00	1048.25	2909.87	687.37	1876.70	1963.34	34.03	-3.897	0.000	0.541
90.00	-16.72	-22.42	0.00	-1037.0	0.00	1037.03	2897.86	684.53	1861.25	1947.09	34.44	-3.924	0.000	0.539
93.75	-15.76	-22.08	0.00	-952.95	0.00	952.95	2354.99	564.69	1519.91	1569.17	37.60	-4.125	0.000	0.616
95.00	-15.54	-22.01	0.00	-925.35	0.00	925.35	2336.81	558.78	1488.28	1540.62	38.69	-4.194	0.000	0.609
100.00	-14.83	-21.63	0.00	-815.29	0.00	815.29	2262.72	535.16	1365.08	1428.08	43.24	-4.493	0.000	0.579
105.00	-14.15	-21.24	0.00	-707.15	0.00	707.15	2165.47	511.53	1247.20	1305.76	48.10	-4.790	0.000	0.550
110.00	-13.50	-20.86	0.00	-600.93	0.00	600.93	2065.44	487.90	1134.64	1187.31	53.28	-5.083	0.000	0.514
115.00	-12.93	-20.26	0.00	-496.66	0.00	496.66	1965.41	464.27	1027.40	1074.49	58.75	-5.366	0.000	0.471
117.00	-11.39	-18.51	0.00	-456.14	0.00	456.14	1925.40	454.82	986.00	1030.94	61.02	-5.480	0.000	0.450
120.00	-11.06	-18.34	0.00	-400.61	0.00	400.61	1865.39	440.64	925.49	967.30	64.51	-5.643	0.000	0.422
123.25	-10.59	-18.13	0.00	-341.00	0.00	341.00	1005.19	260.39	538.64	515.83	68.40	-5.812	0.000	0.676
125.00	-10.45	-18.05	0.00	-309.26	0.00	309.26	992.91	255.43	518.31	499.75	70.55	-5.901	0.000	0.634
127.00	-7.75	-13.82	0.00	-273.17	0.00	273.17	978.56	249.76	495.55	481.51	73.05	-6.051	0.000	0.578
130.00	-7.55	-13.68	0.00	-231.70	0.00	231.70	956.38	241.25	462.37	454.44	76.91	-6.261	0.000	0.521
135.00	-7.27	-13.41	0.00	-163.32	0.00	163.32	917.66	227.08	409.63	410.21	83.63	-6.564	0.000	0.410
137.00	-5.48	-8.84	0.00	-136.49	0.00	136.49	901.57	221.41	389.42	392.87	86.40	-6.674	0.000	0.355
140.00	-5.34	-8.69	0.00	-109.98	0.00	109.98	876.76	212.90	360.08	367.25	90.63	-6.821	0.000	0.307
145.00	-5.15	-8.45	0.00	-66.52	0.00	66.52	833.68	198.72	313.72	325.74	97.87	-7.018	0.000	0.212
147.00	-3.26	-5.60	0.00	-49.62	0.00	49.62	815.84	193.05	296.07	309.58	100.82	-7.082	0.000	0.165
150.00	-3.16	-5.46	0.00	-32.82	0.00	32.82	781.24	184.55	270.55	283.26	105.28	-7.156	0.000	0.121
155.00	0.00	-5.02	0.00	-5.51	0.00	5.51	721.23	170.37	230.58	241.20	112.80	-7.222	0.000	0.024

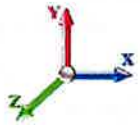
Wind Loading - Shaft

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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: 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	4.193	4.61	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.193	4.61	0.00	1.200	0.828	5.00	24.447	29.34	135.3	292.1	1647.4
10.00		1.00	0.70	4.193	4.61	0.00	1.209 *	0.887	5.00	23.923	28.93	133.5	305.8	1628.2
15.00		1.00	0.70	4.193	4.61	0.00	1.219 *	0.924	5.00	23.379	28.49	131.4	310.8	1600.2
20.00		1.00	0.70	4.193	4.61	0.00	1.229 *	0.951	5.00	22.827	28.05	129.4	312.0	1568.4
25.00		1.00	0.70	4.193	4.61	0.00	1.239 *	0.973	5.00	22.271	27.60	127.3	310.9	1534.3
30.00		1.00	0.70	4.197	4.62	0.00	1.250 *	0.991	5.00	21.711	27.14	125.3	308.3	1498.7
35.00		1.00	0.73	4.386	4.82	0.00	1.262 *	1.006	5.00	21.150	26.68	128.7	304.6	1462.0
40.00		1.00	0.76	4.556	5.01	0.00	1.274 *	1.019	5.00	20.587	26.23	131.4	300.1	1424.6
44.00	Bot - Section 2	1.00	0.78	4.682	5.15	0.00	1.286 *	1.029	4.00	16.062	20.65	106.4	236.8	1112.6
45.00		1.00	0.79	4.712	5.18	0.00	1.292 *	1.032	1.00	4.022	5.20	26.9	60.0	494.9
49.75	Top - Section 1	1.00	0.81	4.849	5.33	0.00	1.300 *	1.042	4.75	18.799	24.45	130.4	279.7	2309.8
50.00		1.00	0.81	4.856	5.34	0.00	1.300 *	1.042	0.25	0.975	1.27	6.8	14.7	67.8
55.00		1.00	0.83	4.990	5.49	0.00	1.307 *	1.052	5.00	19.208	25.11	137.8	288.1	1331.8
60.00		1.00	0.85	5.116	5.63	0.00	1.322 *	1.062	5.00	18.642	24.65	138.7	281.7	1292.4
65.00		1.00	0.87	5.234	5.76	0.00	1.338 *	1.070	5.00	18.075	24.19	139.3	274.9	1252.6
70.00		1.00	0.89	5.346	5.88	0.00	1.356 *	1.078	5.00	17.507	23.73	139.6	267.8	1212.6
75.00		1.00	0.91	5.453	6.00	0.00	1.374 *	1.086	5.00	16.939	23.28	139.6	260.5	1172.3
80.00		1.00	0.93	5.554	6.11	0.00	1.394 *	1.093	5.00	16.370	22.82	139.4	252.9	1131.7
85.00		1.00	0.94	5.651	6.22	0.00	1.415 *	1.099	5.00	15.802	22.37	139.0	245.1	1091.0
89.50	Bot - Section 3	1.00	0.96	5.735	6.31	0.00	1.437 *	1.105	4.50	13.735	19.74	124.5	214.2	947.2
90.00		1.00	0.96	5.744	6.32	0.00	1.449 *	1.106	0.50	1.524	2.21	14.0	24.2	171.8
93.75	Top - Section 2	1.00	0.97	5.811	6.39	0.00	1.460 *	1.110	3.75	11.249	16.43	105.0	176.6	1265.0
95.00		1.00	0.97	5.834	6.42	0.00	1.461 *	1.112	1.25	3.678	5.37	34.5	58.4	221.7
100.00		1.00	0.99	5.920	6.51	0.00	1.478 *	1.117	5.00	14.358	21.22	138.2	225.1	861.5
105.00		1.00	1.00	6.003	6.60	0.00	1.506 *	1.123	5.00	13.788	20.77	137.1	216.7	825.6
110.00		1.00	1.02	6.083	6.69	0.00	1.538 *	1.128	5.00	13.218	20.32	136.0	208.2	789.5
115.00		1.00	1.03	6.161	6.78	0.00	1.200 *	1.133	5.00	12.648	15.18	102.9	199.5	753.4
117.00	Appurtenance(s)	1.00	1.03	6.191	6.81	0.00	1.200 *	1.135	2.00	4.899	5.88	40.0	78.4	292.2
120.00	Bot - Section 4	1.00	1.04	6.236	6.86	0.00	1.200	1.138	3.00	7.178	8.61	59.1	114.4	426.9
123.25	Top - Section 3	1.00	1.05	6.284	6.91	0.00	1.200	1.141	3.25	7.647	9.18	63.4	122.0	649.7
125.00		1.00	1.05	6.309	6.94	0.00	1.200	1.142	1.75	4.018	4.82	33.5	64.6	169.6
127.00	Appurtenance(s)	1.00	1.06	6.338	6.97	0.00	1.200	1.144	2.00	4.506	5.41	37.7	72.4	189.9
130.00		1.00	1.07	6.380	7.02	0.00	1.200	1.147	3.00	6.588	7.91	55.5	105.3	276.7
135.00		1.00	1.08	6.450	7.09	0.00	1.200	1.151	5.00	10.525	12.63	89.6	166.4	438.8
137.00	Appurtenance(s)	1.00	1.08	6.477	7.12	0.00	1.200	1.153	2.00	4.050	4.86	34.6	65.1	169.4
140.00		1.00	1.09	6.517	7.17	0.00	1.200	1.155	3.00	5.904	7.08	50.8	94.3	245.9
145.00		1.00	1.10	6.583	7.24	0.00	1.200	1.160	5.00	9.383	11.26	81.5	147.9	387.3
147.00	Appurtenance(s)	1.00	1.10	6.608	7.27	0.00	1.200	1.161	2.00	3.593	4.31	31.3	57.7	148.8
150.00		1.00	1.11	6.647	7.31	0.00	1.200	1.163	3.00	5.218	6.26	45.8	83.1	214.9
155.00	Appurtenance(s)	1.00	1.12	6.709	7.38	0.00	1.200	1.167	5.00	8.241	9.89	73.0	129.1	335.6
								Totals:	**155.00**			**3,774.3**		**34,614.9**

* Cf Adjusted by Linear Load Ra Effect

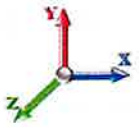
Discrete Appurtenance Forces

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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: 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	155.00	ALU TD-RRH8x20-25	3	6.734	7.407	0.50	0.75	6.90	458.64	0.000	2.000	51.13	0.00	102.27
2	155.00	ACU-A20-N	4	6.734	7.407	0.38	0.75	0.51	11.09	0.000	2.000	3.76	0.00	7.52
3	155.00	Low Profile Platform	1	6.709	7.380	1.00	1.00	43.03	2375.47	0.000	0.000	317.61	0.00	0.00
4	155.00	6' Lightning rod	1	6.709	7.380	1.00	1.00	1.11	26.78	0.000	0.000	8.17	0.00	0.00
5	155.00	Ericsson 4480 B71 + B85	3	6.734	7.407	0.50	0.75	4.98	428.14	0.000	2.000	36.86	0.00	73.72
6	155.00	Ericsson 4460 B25 + B66	3	6.734	7.407	0.50	0.75	4.98	485.69	0.000	2.000	36.86	0.00	73.72
7	155.00	Ericsson AIR6449 B41	3	6.734	7.407	0.71	1.00	13.39	550.84	0.000	2.000	99.17	0.00	198.35
8	155.00	PRK-SFS	1	6.709	7.380	1.00	1.00	16.15	679.88	0.000	0.000	119.22	0.00	0.00
9	155.00	HRK14-HD	1	6.709	7.380	1.00	1.00	13.44	905.19	0.000	0.000	99.22	0.00	0.00
10	155.00	HRK14-U	1	6.709	7.380	1.00	1.00	11.16	783.53	0.000	0.000	82.38	0.00	0.00
11	155.00	RFS	3	6.734	7.407	0.70	1.00	45.14	1245.66	0.000	2.000	334.37	0.00	668.73
12	155.00	ALU 800 MHz Filter	3	6.734	7.407	0.38	0.75	1.36	52.08	0.000	2.000	10.11	0.00	20.21
13	147.00	MC-PK8-DSH	1	6.608	7.269	1.00	1.00	69.02	2822.35	0.000	0.000	501.70	0.00	0.00
14	147.00	FFVV-65C-R3-V1	3	6.608	7.269	0.55	0.75	21.74	788.86	0.000	0.000	158.06	0.00	0.00
15	147.00	TA08025-B605	3	6.608	7.269	0.50	0.75	3.52	336.60	0.000	0.000	25.57	0.00	0.00
16	147.00	TA08025-B604	3	6.608	7.269	0.50	0.75	3.52	294.80	0.000	0.000	25.57	0.00	0.00
17	147.00	RDIDC-9181-PF-48	1	6.608	7.269	0.75	0.75	1.79	49.01	0.000	0.000	13.02	0.00	0.00
18	137.00	Commscope -	1	6.477	7.124	0.57	0.80	3.04	117.86	0.000	0.000	21.69	0.00	0.00
19	137.00	Samsung - B2/B66A	3	6.477	7.124	0.62	0.80	4.14	268.60	0.000	0.000	29.49	0.00	0.00
20	137.00	Samsung - B5/B13	3	6.477	7.124	0.66	0.80	4.46	411.88	0.000	0.000	31.79	0.00	0.00
21	137.00	Samsung VZS01	3	6.477	7.124	0.56	0.80	8.90	435.70	0.000	0.000	63.39	0.00	0.00
22	137.00	Low Profile Platform	1	6.477	7.124	1.00	1.00	43.50	1831.79	0.000	0.000	309.88	0.00	0.00
23	137.00	LPA-80063/6CF_5	2	6.477	7.124	0.76	0.80	15.91	466.94	0.000	0.000	113.33	0.00	0.00
24	137.00	LPA-80080/6CF	2	6.477	7.124	1.20	0.80	12.17	208.48	0.000	0.000	86.68	0.00	0.00
25	137.00	LPA-80080/4CF	2	6.477	7.124	0.74	0.80	10.26	288.80	0.000	0.000	73.10	0.00	0.00
26	137.00	Kaelus BSF0020F3V1-1	2	6.477	7.124	0.52	0.80	1.27	-6.23	0.000	0.000	9.06	0.00	0.00
27	137.00	JMA - MX06FIT665-02	6	6.477	7.124	0.76	0.80	40.93	950.89	0.000	0.000	291.64	0.00	0.00
28	127.00	860 10025	6	6.338	6.972	0.50	0.75	1.29	22.63	0.000	0.000	9.00	0.00	0.00
29	127.00	Low Profile Platform	1	6.338	6.972	1.00	1.00	38.16	2358.20	0.000	0.000	266.04	0.00	0.00
30	127.00	HRK14	1	6.338	6.972	1.00	1.00	11.08	779.43	0.000	0.000	77.22	0.00	0.00
31	127.00	7770	3	6.338	6.972	0.60	0.80	11.13	371.35	0.000	0.000	77.60	0.00	0.00
32	127.00	DC6-48-60-18-8F	1	6.338	6.972	0.80	0.80	1.54	61.00	0.000	0.000	10.76	0.00	0.00
33	127.00	DMP65R-BU6DA	3	6.338	6.972	0.55	0.75	22.76	663.31	0.000	0.000	158.68	0.00	0.00
34	127.00	(3) PRK-1245	1	6.338	6.972	1.00	1.00	16.02	675.60	0.000	0.000	111.70	0.00	0.00
35	127.00	HPA65R-BU6A	3	6.338	6.972	0.66	0.75	24.41	686.30	0.000	0.000	170.15	0.00	0.00
36	127.00	4449	3	6.338	6.972	0.50	0.75	3.00	374.67	0.000	0.000	20.91	0.00	0.00
37	127.00	8843	3	6.338	6.972	0.50	0.75	3.00	404.88	0.000	0.000	20.91	0.00	0.00
38	127.00	21401 TMA	6	6.338	6.972	0.50	0.75	5.54	157.27	0.000	0.000	38.63	0.00	0.00
39	117.00	Ericsson - Air 21 B2A/B4P	3	6.191	6.810	0.69	0.80	14.01	636.86	0.000	0.000	95.40	0.00	0.00
40	117.00	Air 21 B4A/B2P	3	6.191	6.810	0.69	0.80	14.01	632.90	0.000	0.000	95.40	0.00	0.00
41	117.00	T-Arms	3	6.191	6.810	0.56	0.75	21.16	1526.67	0.000	0.000	144.11	0.00	0.00
							Totals:		**26,620.37**			**4,249.32**		

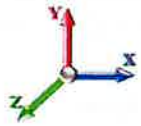
Total Applied Force Summary

Structure:	CT00248-S		**Code:**	TIA-222-H	7/11/2023
Site Name:	North Bethel		**Exposure:**	B	
Height:	155.00 (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: 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		135.31	1969.24	0.00	0.00
10.00		133.45	1958.22	0.00	0.00
15.00		131.43	1935.38	0.00	0.00
20.00		129.37	1907.35	0.00	0.00
25.00		127.28	1876.31	0.00	0.00
30.00		125.29	1843.29	0.00	0.00
35.00		128.73	1808.84	0.00	0.00
40.00		131.44	1773.31	0.00	0.00
44.00		106.35	1392.77	0.00	0.00
45.00		26.94	565.02	0.00	0.00
49.75		130.40	2644.18	0.00	0.00
50.00		6.77	85.37	0.00	0.00
55.00		137.83	1685.38	0.00	0.00
60.00		138.72	1647.28	0.00	0.00
65.00		139.29	1608.75	0.00	0.00
70.00		139.57	1569.86	0.00	0.00
75.00		139.61	1530.64	0.00	0.00
80.00		139.42	1491.13	0.00	0.00
85.00		139.03	1451.35	0.00	0.00
89.50		124.53	1272.33	0.00	0.00
90.00		13.96	207.97	0.00	0.00
93.75		105.01	1536.49	0.00	0.00
95.00		34.49	312.28	0.00	0.00
100.00		138.17	1224.50	0.00	0.00
105.00		137.15	1189.41	0.00	0.00
110.00		136.00	1154.15	0.00	0.00
115.00		137.56	1118.74	0.00	0.00
117.00	(9) attachments	388.90	3234.95	0.00	0.00
120.00		59.09	507.06	0.00	0.00
123.25		63.43	736.56	0.00	0.00
125.00		33.46	216.35	0.00	0.00
127.00	(31) attachments	999.30	6798.00	0.00	0.00
130.00		55.49	332.41	0.00	0.00
135.00		89.60	531.81	0.00	0.00
137.00	(25) attachments	1064.67	5181.36	0.00	0.00
140.00		50.78	275.32	0.00	0.00
145.00		81.53	436.48	0.00	0.00
147.00	(11) attachments	755.25	4460.10	0.00	0.00
150.00		45.78	226.80	0.00	0.00
155.00	(27) attachments	1271.85	8358.34	0.00	1144.53
	Totals:	**8,072.24**	**70,055.05**	**0.00**	**1,144.53**

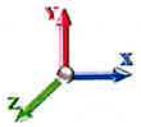
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

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	1.75" Hybrid	Yes	5.00	0.000	1.75	1.42	0.00	0.100	0.000	4.193	0.00	23.05
5.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.34	0.00	0.100	0.000	4.193	0.00	175.21
5.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	4.193	0.00	18.90
10.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.47	0.00	0.103	1.008	4.193	0.00	24.07
10.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.39	0.00	0.103	1.008	4.193	0.00	181.32
10.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.103	1.008	4.193	0.00	19.98
15.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.50	0.00	0.105	1.016	4.193	0.00	24.73
15.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.42	0.00	0.105	1.016	4.193	0.00	185.12
15.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.105	1.016	4.193	0.00	20.67
20.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.52	0.00	0.108	1.024	4.193	0.00	25.22
20.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.44	0.00	0.108	1.024	4.193	0.00	187.92
20.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.108	1.024	4.193	0.00	21.19
25.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.54	0.00	0.111	1.033	4.193	0.00	25.62
25.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.46	0.00	0.111	1.033	4.193	0.00	190.16
25.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.111	1.033	4.193	0.00	21.61
30.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.55	0.00	0.114	1.042	4.197	0.00	25.96
30.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.48	0.00	0.114	1.042	4.197	0.00	192.03
30.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.114	1.042	4.197	0.00	21.97
35.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.57	0.00	0.117	1.051	4.386	0.00	26.25
35.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.49	0.00	0.117	1.051	4.386	0.00	193.64
35.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.117	1.051	4.386	0.00	22.27
40.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.58	0.00	0.121	1.062	4.556	0.00	26.51
40.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.50	0.00	0.121	1.062	4.556	0.00	195.05
40.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.121	1.062	4.556	0.00	22.55
44.00	1.75" Hybrid	Yes	4.00	0.000	1.75	1.27	0.00	0.124	1.071	4.682	0.00	21.36
44.00	1 5/8" Coax	Yes	4.00	0.000	3.96	2.01	0.00	0.124	1.071	4.682	0.00	156.86
44.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.124	1.071	4.682	0.00	18.20
45.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.32	0.00	0.126	1.077	4.712	0.00	5.35
45.00	1 5/8" Coax	Yes	1.00	0.000	3.96	0.50	0.00	0.126	1.077	4.712	0.00	39.26
45.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.126	1.077	4.712	0.00	4.56
49.75	1.75" Hybrid	Yes	4.75	0.000	1.75	1.52	0.00	0.128	1.084	4.849	0.00	25.60
49.75	1 5/8" Coax	Yes	4.75	0.000	3.96	2.39	0.00	0.128	1.084	4.849	0.00	187.54
49.75	1 5/8" Hybrid	Yes	4.75	0.000	0.00	0.00	0.00	0.128	1.084	4.849	0.00	21.85
50.00	1.75" Hybrid	Yes	0.25	0.000	1.75	0.08	0.00	0.128	1.083	4.856	0.00	1.35
50.00	1 5/8" Coax	Yes	0.25	0.000	3.96	0.13	0.00	0.128	1.083	4.856	0.00	9.87
50.00	1 5/8" Hybrid	Yes	0.25	0.000	0.00	0.00	0.00	0.128	1.083	4.856	0.00	1.15
55.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.61	0.00	0.130	1.089	4.990	0.00	27.15
55.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.53	0.00	0.130	1.089	4.990	0.00	198.52
55.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.130	1.089	4.990	0.00	23.22
60.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.61	0.00	0.134	1.102	5.116	0.00	27.33
60.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.53	0.00	0.134	1.102	5.116	0.00	199.49
60.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.134	1.102	5.116	0.00	23.41
65.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.62	0.00	0.138	1.115	5.234	0.00	27.50
65.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.54	0.00	0.138	1.115	5.234	0.00	200.39
65.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.138	1.115	5.234	0.00	23.59
70.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.63	0.00	0.143	1.130	5.346	0.00	27.66
70.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.55	0.00	0.143	1.130	5.346	0.00	201.23

Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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

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)
70.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.143	1.130	5.346	0.00	23.75
75.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.63	0.00	0.148	1.145	5.453	0.00	27.81
75.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.55	0.00	0.148	1.145	5.453	0.00	202.02
75.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.148	1.145	5.453	0.00	23.91
80.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.64	0.00	0.154	1.162	5.554	0.00	27.95
80.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.56	0.00	0.154	1.162	5.554	0.00	202.76
80.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.154	1.162	5.554	0.00	24.06
85.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.65	0.00	0.160	1.179	5.651	0.00	28.09
85.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.57	0.00	0.160	1.179	5.651	0.00	203.46
85.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.160	1.179	5.651	0.00	24.20
89.50	1.75" Hybrid	Yes	4.50	0.000	1.75	1.48	0.00	0.166	1.198	5.735	0.00	25.38
89.50	1 5/8" Coax	Yes	4.50	0.000	3.96	2.31	0.00	0.166	1.198	5.735	0.00	183.66
89.50	1 5/8" Hybrid	Yes	4.50	0.000	0.00	0.00	0.00	0.166	1.198	5.735	0.00	21.89
90.00	1.75" Hybrid	Yes	0.50	0.000	1.75	0.17	0.00	0.169	1.208	5.744	0.00	2.82
90.00	1 5/8" Coax	Yes	0.50	0.000	3.96	0.26	0.00	0.169	1.208	5.744	0.00	20.41
90.00	1 5/8" Hybrid	Yes	0.50	0.000	0.00	0.00	0.00	0.169	1.208	5.744	0.00	2.43
93.75	1.75" Hybrid	Yes	3.75	0.000	1.75	1.24	0.00	0.172	1.217	5.811	0.00	21.23
93.75	1 5/8" Coax	Yes	3.75	0.000	3.96	1.93	0.00	0.172	1.217	5.811	0.00	153.46
93.75	1 5/8" Hybrid	Yes	3.75	0.000	0.00	0.00	0.00	0.172	1.217	5.811	0.00	18.32
95.00	1.75" Hybrid	Yes	1.25	0.000	1.75	0.41	0.00	0.173	1.218	5.834	0.00	7.08
95.00	1 5/8" Coax	Yes	1.25	0.000	3.96	0.64	0.00	0.173	1.218	5.834	0.00	51.19
95.00	1 5/8" Hybrid	Yes	1.25	0.000	0.00	0.00	0.00	0.173	1.218	5.834	0.00	6.12
100.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.66	0.00	0.177	1.232	5.920	0.00	28.45
100.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.58	0.00	0.177	1.232	5.920	0.00	205.37
100.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.177	1.232	5.920	0.00	24.58
105.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.66	0.00	0.185	1.255	6.003	0.00	28.56
105.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.59	0.00	0.185	1.255	6.003	0.00	205.95
105.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.185	1.255	6.003	0.00	24.70
110.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.67	0.00	0.194	1.281	6.083	0.00	28.67
110.00	1 5/8" Coax	Yes	5.00	0.000	3.96	2.59	0.00	0.194	1.281	6.083	0.00	206.50
110.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.194	1.281	6.083	0.00	24.81
115.00	1.75" Hybrid	Yes	5.00	1.200	1.75	1.67	2.01	0.203	0.000	6.161	13.61	28.78
115.00	1 5/8" Coax	Yes	5.00	1.200	3.96	2.59	3.11	0.203	0.000	6.161	21.10	207.04
115.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.203	0.000	6.161	0.00	24.92
117.00	1.75" Hybrid	Yes	2.00	1.200	1.75	0.67	0.80	0.211	0.000	6.191	5.48	11.53
117.00	1 5/8" Coax	Yes	2.00	1.200	3.96	1.04	1.25	0.211	0.000	6.191	8.49	82.90
117.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.211	0.000	6.191	0.00	9.99
120.00	1.75" Hybrid	Yes	3.00	0.000	1.75	1.01	0.00	0.066	0.000	6.236	0.00	17.33
123.25	1.75" Hybrid	Yes	3.25	0.000	1.75	1.09	0.00	0.068	0.000	6.284	0.00	18.81
125.00	1.75" Hybrid	Yes	1.75	0.000	1.75	0.59	0.00	0.069	0.000	6.309	0.00	10.14
127.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.67	0.00	0.071	0.000	6.338	0.00	11.60
130.00	1.75" Hybrid	Yes	3.00	0.000	1.75	1.01	0.00	0.073	0.000	6.380	0.00	17.44
135.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.69	0.00	0.076	0.000	6.450	0.00	29.16
137.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.080	0.000	6.477	0.00	11.68
140.00	1.75" Hybrid	Yes	3.00	0.000	1.75	1.02	0.00	0.082	0.000	6.517	0.00	17.55
145.00	1.75" Hybrid	Yes	5.00	0.000	1.75	1.70	0.00	0.087	0.000	6.583	0.00	29.33
147.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.68	0.00	0.091	0.000	6.608	0.00	11.74

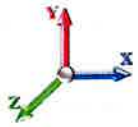
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

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)
										Totals:	**48.7**	**5,963.0**

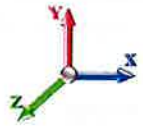
Calculated Forces

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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	

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	-70.05	-8.10	0.00	-962.92	0.00	962.92	4331.76	1179.24	5523.56	5037.85	0.00	0.000	0.000	0.207
5.00	-68.08	-8.03	0.00	-922.41	0.00	922.41	4271.91	1150.89	5261.13	4848.00	0.03	-0.050	0.000	0.206
10.00	-66.11	-7.95	0.00	-882.28	0.00	882.28	4209.88	1122.53	5005.09	4659.10	0.11	-0.101	0.000	0.205
15.00	-64.17	-7.87	0.00	-842.54	0.00	842.54	4145.67	1094.18	4755.44	4471.34	0.24	-0.153	0.000	0.204
20.00	-62.25	-7.80	0.00	-803.17	0.00	803.17	4079.27	1065.82	4512.17	4284.91	0.43	-0.207	0.000	0.203
25.00	-60.37	-7.72	0.00	-764.18	0.00	764.18	4010.69	1037.47	4275.29	4099.98	0.68	-0.263	0.000	0.201
30.00	-58.52	-7.65	0.00	-725.56	0.00	725.56	3939.93	1009.12	4044.80	3916.74	0.98	-0.321	0.000	0.200
35.00	-56.70	-7.57	0.00	-687.32	0.00	687.32	3866.98	980.76	3820.69	3735.38	1.35	-0.380	0.000	0.199
40.00	-54.92	-7.48	0.00	-649.49	0.00	649.49	3791.85	952.41	3602.97	3556.07	1.78	-0.441	0.000	0.197
44.00	-53.53	-7.39	0.00	-619.58	0.00	619.58	3730.17	929.72	3433.39	3414.24	2.17	-0.492	0.000	0.196
45.00	-52.96	-7.39	0.00	-612.19	0.00	612.19	3714.54	924.05	3391.64	3379.01	2.28	-0.505	0.000	0.195
49.75	-50.31	-7.27	0.00	-577.08	0.00	577.08	3683.20	912.78	3309.41	3309.30	2.81	-0.567	0.000	0.188
50.00	-50.22	-7.29	0.00	-575.26	0.00	575.26	3679.23	911.37	3299.14	3300.56	2.84	-0.570	0.000	0.188
55.00	-48.53	-7.19	0.00	-538.83	0.00	538.83	3598.76	883.01	3097.05	3127.07	3.47	-0.633	0.000	0.186
60.00	-46.88	-7.08	0.00	-502.90	0.00	502.90	3516.10	854.66	2901.35	2956.28	4.17	-0.699	0.000	0.184
65.00	-45.26	-6.98	0.00	-467.48	0.00	467.48	3431.27	826.30	2712.03	2788.37	4.94	-0.766	0.000	0.181
70.00	-43.69	-6.87	0.00	-432.60	0.00	432.60	3344.24	797.95	2529.10	2623.52	5.78	-0.834	0.000	0.178
75.00	-42.15	-6.76	0.00	-398.26	0.00	398.26	3255.04	769.60	2352.56	2461.92	6.69	-0.905	0.000	0.175
80.00	-40.65	-6.65	0.00	-364.48	0.00	364.48	3137.93	741.24	2182.41	2285.03	7.67	-0.977	0.000	0.173
85.00	-39.19	-6.53	0.00	-331.25	0.00	331.25	3017.89	712.89	2018.64	2112.68	8.74	-1.051	0.000	0.170
89.50	-37.92	-6.41	0.00	-301.87	0.00	301.87	2909.87	687.37	1876.70	1963.34	9.76	-1.119	0.000	0.167
90.00	-37.71	-6.41	0.00	-298.67	0.00	298.67	2897.86	684.53	1861.25	1947.09	9.88	-1.126	0.000	0.166
93.75	-36.17	-6.30	0.00	-274.63	0.00	274.63	2354.99	564.69	1519.91	1569.17	10.79	-1.184	0.000	0.191
95.00	-35.85	-6.29	0.00	-266.76	0.00	266.76	2336.81	558.78	1488.28	1540.62	11.10	-1.204	0.000	0.189
100.00	-34.62	-6.18	0.00	-235.31	0.00	235.31	2262.72	535.16	1365.08	1428.08	12.41	-1.290	0.000	0.180
105.00	-33.43	-6.06	0.00	-204.42	0.00	204.42	2165.47	511.53	1247.20	1305.76	13.81	-1.376	0.000	0.172
110.00	-32.27	-5.95	0.00	-174.11	0.00	174.11	2065.44	487.90	1134.64	1187.31	15.29	-1.461	0.000	0.162
115.00	-31.15	-5.81	0.00	-144.38	0.00	144.38	1965.41	464.27	1027.40	1074.49	16.87	-1.543	0.000	0.150
117.00	-27.92	-5.35	0.00	-132.77	0.00	132.77	1925.40	454.82	986.00	1030.94	17.52	-1.576	0.000	0.143
120.00	-27.41	-5.30	0.00	-116.71	0.00	116.71	1865.39	440.64	925.49	967.30	18.53	-1.624	0.000	0.135
123.25	-26.67	-5.23	0.00	-99.48	0.00	99.48	1005.19	260.39	538.64	515.83	19.65	-1.673	0.000	0.220
125.00	-26.46	-5.21	0.00	-90.32	0.00	90.32	992.91	255.43	518.31	499.75	20.27	-1.699	0.000	0.208
127.00	-19.69	-4.03	0.00	-79.90	0.00	79.90	978.56	249.76	495.55	481.51	20.99	-1.743	0.000	0.186
130.00	-19.35	-3.99	0.00	-67.82	0.00	67.82	956.38	241.25	462.37	454.44	22.11	-1.804	0.000	0.170
135.00	-18.82	-3.90	0.00	-47.88	0.00	47.88	917.66	227.08	409.63	410.21	24.04	-1.893	0.000	0.138
137.00	-13.67	-2.67	0.00	-40.09	0.00	40.09	901.57	221.41	389.42	392.87	24.84	-1.925	0.000	0.117
140.00	-13.40	-2.62	0.00	-32.07	0.00	32.07	876.76	212.90	360.08	367.25	26.07	-1.968	0.000	0.103
145.00	-12.96	-2.53	0.00	-18.96	0.00	18.96	833.68	198.72	313.72	325.74	28.16	-2.025	0.000	0.074
147.00	-8.53	-1.62	0.00	-13.89	0.00	13.89	815.84	193.05	296.07	309.58	29.02	-2.043	0.000	0.055
150.00	-8.31	-1.57	0.00	-9.01	0.00	9.01	781.24	184.55	270.55	283.26	30.31	-2.064	0.000	0.043
155.00	0.00	-1.27	0.00	-1.14	0.00	1.14	721.23	170.37	230.58	241.20	32.48	-2.081	0.000	0.005

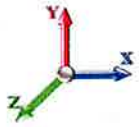
Seismic Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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	

SBA

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.24	**Iterations**	22
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.23
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.31	**SA**	0.03	**S1**	0.06
						Seismic Importance Factor	1.00



Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
5.00		1327.5	2.50	64.01	0.01	
10.00		1300.0	7.50	62.68	0.06	
15.00		1272.5	12.50	61.35	0.17	
20.00		1245.0	17.50	60.03	0.32	
25.00		1217.5	22.50	58.70	0.50	
30.00		1190.1	27.50	57.38	0.72	
35.00		1162.6	32.50	56.05	0.96	
40.00		1135.1	37.50	54.73	1.22	
44.00	Bot - Section 2	888.31	42.00	42.83	0.93	
45.00		402.08	44.50	19.39	0.21	
49.75	Top - Section 1	1879.8	47.38	90.63	5.32	
50.00		54.11	49.88	2.61	0.00	
55.00		1067.8	52.50	51.48	2.11	
60.00		1040.3	57.50	50.16	2.40	
65.00		1012.8	62.50	48.83	2.69	
70.00		985.38	67.50	47.51	2.97	
75.00		957.90	72.50	46.18	3.24	
80.00		930.41	77.50	44.86	3.49	
85.00		902.92	82.50	43.53	3.73	
89.50	Bot - Section 3	789.13	87.25	38.05	3.18	
90.00		142.88	89.75	6.89	0.11	
93.75	Top - Section 2	1055.5	91.88	50.89	6.31	
95.00		185.66	94.38	8.95	0.21	
100.00		728.33	97.50	35.12	3.39	
105.00		705.42	102.50	34.01	3.51	
110.00		682.51	107.50	32.91	3.61	
115.00		659.61	112.50	31.80	3.70	
117.00	Appurtenance(s)	1853.1	116.00	89.35	31.02	
120.00	Bot - Section 4	330.38	118.50	15.93	1.03	
123.25	Top - Section 3	515.60	121.63	24.86	2.64	
125.00		128.32	124.13	6.19	0.17	
127.00	Appurtenance(s)	3435.0	126.00	165.61	125.76	
130.00		188.28	128.50	9.08	0.39	
135.00		302.80	132.50	14.60	1.08	
137.00	Appurtenance(s)	2548.8	136.00	122.89	80.67	
140.00		145.36	138.50	7.01	0.27	
145.00		231.27	142.50	11.15	0.73	
147.00	Appurtenance(s)	2467.2	146.00	118.95	87.11	
150.00		121.70	148.50	5.87	0.22	
155.00	Appurtenance(s)	4251.1	152.50	204.96	282.16	
	Totals:	**41,440.9**		**1,998.0**	**668.4**	**Total Wind:** **28,651.8**

Calculated Forces

Structure:	CT00248-S		**Code:**	TIA-222-H	7/11/2023
Site Name:	North Bethel		**Exposure:**	B	
Height:	155.00 (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

SBA

Load Case:	1.2D + 1.0Ev + 1.0Eh							**Iterations**	22
Gust Response Factor	1.10				**Sds**	0.24		**Ss**	0.23
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.31		**SA**	0.03	**Seismic Importance Factor**		1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-50.70	-0.67	0.00	-98.56	0.00	98.56	4331.76	1179.24	5523.56	5037.85		0.00	0.00	0.031
5.00	-49.09	-0.67	0.00	-95.21	0.00	95.21	4271.91	1150.89	5261.13	4848.00		0.00	-0.01	0.031
10.00	-47.50	-0.68	0.00	-91.84	0.00	91.84	4209.88	1122.53	5005.09	4659.10		0.01	-0.01	0.031
15.00	-45.95	-0.68	0.00	-88.45	0.00	88.45	4145.67	1094.18	4755.44	4471.34		0.02	-0.02	0.031
20.00	-44.44	-0.69	0.00	-85.03	0.00	85.03	4079.27	1065.82	4512.17	4284.91		0.04	-0.02	0.031
25.00	-42.96	-0.69	0.00	-81.60	0.00	81.60	4010.69	1037.47	4275.29	4099.98		0.07	-0.03	0.031
30.00	-41.51	-0.69	0.00	-78.16	0.00	78.16	3939.93	1009.12	4044.80	3916.74		0.10	-0.03	0.030
35.00	-40.10	-0.70	0.00	-74.69	0.00	74.69	3866.98	980.76	3820.69	3735.38		0.14	-0.04	0.030
40.00	-38.72	-0.70	0.00	-71.22	0.00	71.22	3791.85	952.41	3602.97	3556.07		0.19	-0.05	0.030
44.00	-37.65	-0.70	0.00	-68.43	0.00	68.43	3730.17	929.72	3433.39	3414.24		0.23	-0.05	0.030
45.00	-37.15	-0.70	0.00	-67.73	0.00	67.73	3714.54	924.05	3391.64	3379.01		0.24	-0.05	0.030
49.75	-34.84	-0.69	0.00	-64.41	0.00	64.41	3683.20	912.78	3309.41	3309.30		0.30	-0.06	0.029
50.00	-34.78	-0.70	0.00	-64.23	0.00	64.23	3679.23	911.37	3299.14	3300.56		0.30	-0.06	0.029
55.00	-33.49	-0.70	0.00	-60.75	0.00	60.75	3598.76	883.01	3097.05	3127.07		0.37	-0.07	0.029
60.00	-32.23	-0.70	0.00	-57.26	0.00	57.26	3516.10	854.66	2901.35	2956.28		0.44	-0.08	0.029
65.00	-31.00	-0.70	0.00	-53.78	0.00	53.78	3431.27	826.30	2712.03	2788.37		0.53	-0.08	0.028
70.00	-29.81	-0.70	0.00	-50.29	0.00	50.29	3344.24	797.95	2529.10	2623.52		0.62	-0.09	0.028
75.00	-28.66	-0.70	0.00	-46.81	0.00	46.81	3255.04	769.60	2352.56	2461.92		0.72	-0.10	0.028
80.00	-27.53	-0.69	0.00	-43.33	0.00	43.33	3137.93	741.24	2182.41	2285.03		0.83	-0.11	0.028
85.00	-26.45	-0.69	0.00	-39.86	0.00	39.86	3017.89	712.89	2018.64	2112.68		0.94	-0.12	0.028
89.50	-25.50	-0.69	0.00	-36.74	0.00	36.74	2909.87	687.37	1876.70	1963.34		1.06	-0.12	0.027
90.00	-25.32	-0.69	0.00	-36.39	0.00	36.39	2897.86	684.53	1861.25	1947.09		1.07	-0.13	0.027
93.75	-24.03	-0.68	0.00	-33.80	0.00	33.80	2354.99	564.69	1519.91	1569.17		1.17	-0.13	0.032
95.00	-23.81	-0.69	0.00	-32.95	0.00	32.95	2336.81	558.78	1488.28	1540.62		1.21	-0.14	0.032
100.00	-22.94	-0.68	0.00	-29.52	0.00	29.52	2262.72	535.16	1365.08	1428.08		1.36	-0.15	0.031
105.00	-22.10	-0.68	0.00	-26.10	0.00	26.10	2165.47	511.53	1247.20	1305.76		1.51	-0.16	0.030
110.00	-21.29	-0.68	0.00	-22.69	0.00	22.69	2065.44	487.90	1134.64	1187.31		1.68	-0.17	0.029
115.00	-20.51	-0.68	0.00	-19.28	0.00	19.28	1965.41	464.27	1027.40	1074.49		1.87	-0.18	0.028
117.00	-18.21	-0.64	0.00	-17.93	0.00	17.93	1925.40	454.82	986.00	1030.94		1.94	-0.18	0.027
120.00	-17.81	-0.64	0.00	-16.00	0.00	16.00	1865.39	440.64	925.49	967.30		2.06	-0.19	0.026
123.25	-17.18	-0.64	0.00	-13.92	0.00	13.92	1005.19	260.39	538.64	515.83		2.19	-0.20	0.044
125.00	-17.03	-0.64	0.00	-12.80	0.00	12.80	992.91	255.43	518.31	499.75		2.26	-0.20	0.043
127.00	-12.75	-0.50	0.00	-11.53	0.00	11.53	978.56	249.76	495.55	481.51		2.35	-0.21	0.037
130.00	-12.53	-0.50	0.00	-10.03	0.00	10.03	956.38	241.25	462.37	454.44		2.48	-0.22	0.035
135.00	-12.16	-0.50	0.00	-7.53	0.00	7.53	917.66	227.08	409.63	410.21		2.71	-0.23	0.032
137.00	-8.99	-0.41	0.00	-6.53	0.00	6.53	901.57	221.41	389.42	392.87		2.81	-0.23	0.027
140.00	-8.81	-0.41	0.00	-5.30	0.00	5.30	876.76	212.90	360.08	367.25		2.96	-0.24	0.024
145.00	-8.53	-0.41	0.00	-3.26	0.00	3.26	833.68	198.72	313.72	325.74		3.22	-0.25	0.020
147.00	-5.45	-0.31	0.00	-2.45	0.00	2.45	815.84	193.05	296.07	309.58		3.32	-0.25	0.015
150.00	-5.30	-0.31	0.00	-1.53	0.00	1.53	781.24	184.55	270.55	283.26		3.49	-0.26	0.012
155.00	0.00	-0.28	0.00	0.00	0.00	0.00	721.23	170.37	230.58	241.20		3.76	-0.26	0.000

Seismic Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.24	**Iterations**	22
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.23
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.31	**SA**	0.03	**S1**	0.06
						Seismic Importance Factor	1.00

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
5.00		1278.0	2.50	61.62	0.01	
10.00		1250.5	7.50	60.29	0.06	
15.00		1223.0	12.50	58.97	0.16	
20.00		1195.5	17.50	57.64	0.30	
25.00		1168.0	22.50	56.32	0.47	
30.00		1140.5	27.50	54.99	0.67	
35.00		1113.1	32.50	53.67	0.89	
40.00		1085.6	37.50	52.34	1.13	
44.00	Bot - Section 2	848.69	42.00	40.92	0.86	
45.00		392.18	44.50	18.91	0.21	
49.75	Top - Section 1	1832.8	47.38	88.37	5.13	
50.00		51.64	49.88	2.49	0.00	
55.00		1018.3	52.50	49.10	1.94	
60.00		990.84	57.50	47.77	2.21	
65.00		963.36	62.50	46.45	2.47	
70.00		935.87	67.50	45.12	2.72	
75.00		908.38	72.50	43.80	2.95	
80.00		880.89	77.50	42.47	3.17	
85.00		853.40	82.50	41.15	3.37	
89.50	Bot - Section 3	744.56	87.25	35.90	2.87	
90.00		137.93	89.75	6.65	0.10	
93.75	Top - Section 2	1018.4	91.88	49.10	5.96	
95.00		173.28	94.38	8.35	0.18	
100.00		678.81	97.50	32.73	2.98	
105.00		655.90	102.50	31.62	3.08	
110.00		633.00	107.50	30.52	3.15	
115.00		610.09	112.50	29.41	3.21	
117.00	Appurtenance(s)	1833.3	116.00	88.39	30.78	
120.00	Bot - Section 4	312.90	118.50	15.09	0.94	
123.25	Top - Section 3	496.65	121.63	23.95	2.48	
125.00		118.12	124.13	5.69	0.15	
127.00	Appurtenance(s)	3423.3	126.00	165.05	126.61	
130.00		176.91	128.50	8.53	0.35	
135.00		283.85	132.50	13.69	0.96	
137.00	Appurtenance(s)	2541.2	136.00	122.52	81.28	
140.00		140.60	138.50	6.78	0.26	
145.00		223.33	142.50	10.77	0.69	
147.00	Appurtenance(s)	2464.0	146.00	118.80	88.07	
150.00		118.73	148.50	5.72	0.21	
155.00	Appurtenance(s)	4246.1	152.50	204.72	285.33	
	Totals:	**40,162.2**		**1,936.4**	**668.4**	**Total Wind:** **28,651.8**

Calculated Forces

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.24			**Iterations**	22
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.23
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.31	**SA**	0.03	**Seismic Importance Factor**	1.00	**S1**	0.06

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-38.47	-0.67	0.00	-97.32	0.00	97.32	4331.76	1179.24	5523.56	5037.85		0.00	0.00	0.028
5.00	-37.24	-0.67	0.00	-93.97	0.00	93.97	4271.91	1150.89	5261.13	4848.00		0.00	-0.01	0.028
10.00	-36.04	-0.68	0.00	-90.61	0.00	90.61	4209.88	1122.53	5005.09	4659.10		0.01	-0.01	0.028
15.00	-34.86	-0.68	0.00	-87.23	0.00	87.23	4145.67	1094.18	4755.44	4471.34		0.02	-0.02	0.028
20.00	-33.72	-0.68	0.00	-83.83	0.00	83.83	4079.27	1065.82	4512.17	4284.91		0.04	-0.02	0.028
25.00	-32.59	-0.68	0.00	-80.43	0.00	80.43	4010.69	1037.47	4275.29	4099.98		0.07	-0.03	0.028
30.00	-31.50	-0.69	0.00	-77.01	0.00	77.01	3939.93	1009.12	4044.80	3916.74		0.10	-0.03	0.028
35.00	-30.43	-0.69	0.00	-73.58	0.00	73.58	3866.98	980.76	3820.69	3735.38		0.14	-0.04	0.028
40.00	-29.38	-0.69	0.00	-70.14	0.00	70.14	3791.85	952.41	3602.97	3556.07		0.18	-0.05	0.027
44.00	-28.56	-0.69	0.00	-67.38	0.00	67.38	3730.17	929.72	3433.39	3414.24		0.22	-0.05	0.027
45.00	-28.19	-0.69	0.00	-66.69	0.00	66.69	3714.54	924.05	3391.64	3379.01		0.24	-0.05	0.027
49.75	-26.44	-0.69	0.00	-63.41	0.00	63.41	3683.20	912.78	3309.41	3309.30		0.29	-0.06	0.026
50.00	-26.39	-0.69	0.00	-63.24	0.00	63.24	3679.23	911.37	3299.14	3300.56		0.30	-0.06	0.026
55.00	-25.41	-0.69	0.00	-59.80	0.00	59.80	3598.76	883.01	3097.05	3127.07		0.36	-0.07	0.026
60.00	-24.45	-0.69	0.00	-56.36	0.00	56.36	3516.10	854.66	2901.35	2956.28		0.44	-0.07	0.026
65.00	-23.52	-0.69	0.00	-52.93	0.00	52.93	3431.27	826.30	2712.03	2788.37		0.52	-0.08	0.026
70.00	-22.62	-0.69	0.00	-49.50	0.00	49.50	3344.24	797.95	2529.10	2623.52		0.61	-0.09	0.026
75.00	-21.75	-0.68	0.00	-46.07	0.00	46.07	3255.04	769.60	2352.56	2461.92		0.71	-0.10	0.025
80.00	-20.90	-0.68	0.00	-42.64	0.00	42.64	3137.93	741.24	2182.41	2285.03		0.81	-0.11	0.025
85.00	-20.07	-0.68	0.00	-39.23	0.00	39.23	3017.89	712.89	2018.64	2112.68		0.93	-0.11	0.025
89.50	-19.35	-0.68	0.00	-36.17	0.00	36.17	2909.87	687.37	1876.70	1963.34		1.04	-0.12	0.025
90.00	-19.22	-0.68	0.00	-35.83	0.00	35.83	2897.86	684.53	1861.25	1947.09		1.06	-0.12	0.025
93.75	-18.24	-0.67	0.00	-33.28	0.00	33.28	2354.99	564.69	1519.91	1569.17		1.16	-0.13	0.029
95.00	-18.08	-0.67	0.00	-32.44	0.00	32.44	2336.81	558.78	1488.28	1540.62		1.19	-0.13	0.029
100.00	-17.42	-0.67	0.00	-29.07	0.00	29.07	2262.72	535.16	1365.08	1428.08		1.34	-0.14	0.028
105.00	-16.78	-0.67	0.00	-25.71	0.00	25.71	2165.47	511.53	1247.20	1305.76		1.49	-0.15	0.027
110.00	-16.16	-0.67	0.00	-22.35	0.00	22.35	2065.44	487.90	1134.64	1187.31		1.66	-0.17	0.027
115.00	-15.57	-0.67	0.00	-19.01	0.00	19.01	1965.41	464.27	1027.40	1074.49		1.84	-0.18	0.026
117.00	-13.83	-0.63	0.00	-17.68	0.00	17.68	1925.40	454.82	986.00	1030.94		1.91	-0.18	0.024
120.00	-13.52	-0.63	0.00	-15.78	0.00	15.78	1865.39	440.64	925.49	967.30		2.03	-0.19	0.024
123.25	-13.05	-0.63	0.00	-13.73	0.00	13.73	1005.19	260.39	538.64	515.83		2.16	-0.19	0.040
125.00	-12.93	-0.63	0.00	-12.63	0.00	12.63	992.91	255.43	518.31	499.75		2.23	-0.20	0.038
127.00	-9.68	-0.49	0.00	-11.38	0.00	11.38	978.56	249.76	495.55	481.51		2.31	-0.20	0.034
130.00	-9.51	-0.49	0.00	-9.90	0.00	9.90	956.38	241.25	462.37	454.44		2.44	-0.21	0.032
135.00	-9.24	-0.49	0.00	-7.43	0.00	7.43	917.66	227.08	409.63	410.21		2.67	-0.23	0.028
137.00	-6.83	-0.40	0.00	-6.45	0.00	6.45	901.57	221.41	389.42	392.87		2.77	-0.23	0.024
140.00	-6.69	-0.40	0.00	-5.24	0.00	5.24	876.76	212.90	360.08	367.25		2.92	-0.24	0.022
145.00	-6.48	-0.40	0.00	-3.23	0.00	3.23	833.68	198.72	313.72	325.74		3.17	-0.25	0.018
147.00	-4.14	-0.30	0.00	-2.43	0.00	2.43	815.84	193.05	296.07	309.58		3.28	-0.25	0.013
150.00	-4.03	-0.30	0.00	-1.52	0.00	1.52	781.24	184.55	270.55	283.26		3.43	-0.25	0.011
155.00	0.00	-0.29	0.00	0.00	0.00	0.00	721.23	170.37	230.58	241.20		3.70	-0.26	0.000

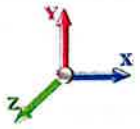
Wind Loading - Shaft

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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: 1.0D + 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	5.402	5.94	239.61	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	5.402	5.94	233.89	0.730	0.000	5.00	23.757	17.34	103.1	0.0	1129.5
10.00		1.00	0.70	5.402	5.94	228.17	0.736 *	0.000	5.00	23.183	17.06	101.4	0.0	1102.0
15.00		1.00	0.70	5.402	5.94	222.44	0.741 *	0.000	5.00	22.609	16.76	99.6	0.0	1074.5
20.00		1.00	0.70	5.402	5.94	216.72	0.747 *	0.000	5.00	22.034	16.47	97.9	0.0	1047.0
25.00		1.00	0.70	5.402	5.94	211.00	0.754 *	0.000	5.00	21.460	16.18	96.1	0.0	1019.5
30.00		1.00	0.70	5.407	5.95	205.36	0.760 *	0.000	5.00	20.886	15.88	94.5	0.0	992.0
35.00		1.00	0.73	5.650	6.22	204.08	0.768 *	0.000	5.00	20.311	15.59	96.9	0.0	964.5
40.00		1.00	0.76	5.870	6.46	202.04	0.775 *	0.000	5.00	19.737	15.30	98.8	0.0	937.1
44.00	Bot - Section 2	1.00	0.78	6.032	6.64	199.98	0.782 *	0.000	4.00	15.376	12.03	79.8	0.0	729.9
45.00		1.00	0.79	6.071	6.68	199.41	0.786 *	0.000	1.00	3.850	3.03	20.2	0.0	362.5
49.75	Top - Section 1	1.00	0.81	6.248	6.87	196.44	0.791 *	0.000	4.75	17.974	14.22	97.7	0.0	1691.7
50.00		1.00	0.81	6.257	6.88	199.67	0.791 *	0.000	0.25	0.932	0.74	5.1	0.0	44.2
55.00		1.00	0.83	6.429	7.07	196.17	0.795 *	0.000	5.00	18.331	14.58	103.1	0.0	869.8
60.00		1.00	0.85	6.591	7.25	192.30	0.804 *	0.000	5.00	17.757	14.28	103.6	0.0	842.3
65.00		1.00	0.87	6.744	7.42	188.12	0.814 *	0.000	5.00	17.183	13.99	103.8	0.0	814.8
70.00		1.00	0.89	6.888	7.58	183.66	0.825 *	0.000	5.00	16.609	13.70	103.8	0.0	787.3
75.00		1.00	0.91	7.025	7.73	178.95	0.836 *	0.000	5.00	16.034	13.40	103.6	0.0	759.8
80.00		1.00	0.93	7.156	7.87	174.02	0.848 *	0.000	5.00	15.460	13.11	103.2	0.0	732.3
85.00		1.00	0.94	7.281	8.01	168.89	0.861 *	0.000	5.00	14.886	12.82	102.7	0.0	704.9
89.50	Bot - Section 3	1.00	0.96	7.389	8.13	164.11	0.874 *	0.000	4.50	12.906	11.28	91.7	0.0	610.9
90.00		1.00	0.96	7.401	8.14	163.57	0.882 *	0.000	0.50	1.432	1.26	10.3	0.0	123.1
93.75	Top - Section 2	1.00	0.97	7.488	8.24	159.48	0.888 *	0.000	3.75	10.555	9.38	77.2	0.0	907.0
95.00		1.00	0.97	7.516	8.27	161.20	0.889 *	0.000	1.25	3.446	3.06	25.3	0.0	136.1
100.00		1.00	0.99	7.627	8.39	155.59	0.899 *	0.000	5.00	13.427	12.07	101.3	0.0	530.3
105.00		1.00	1.00	7.734	8.51	149.83	0.916 *	0.000	5.00	12.853	11.78	100.2	0.0	507.4
110.00		1.00	1.02	7.838	8.62	143.93	0.935 *	0.000	5.00	12.278	11.48	99.0	0.0	484.4
115.00		1.00	1.03	7.938	8.73	137.91	1.200 *	0.000	5.00	11.704	14.04	122.6	0.0	461.5
117.00	Appurtenance(s)	1.00	1.03	7.977	8.77	135.47	1.200 *	0.000	2.00	4.521	5.42	47.6	0.0	178.2
120.00	Bot - Section 4	1.00	1.04	8.035	8.84	131.77	0.730	0.000	3.00	6.609	4.82	42.6	0.0	260.4
123.25	Top - Section 3	1.00	1.05	8.096	8.91	127.72	0.730	0.000	3.25	7.030	5.13	45.7	0.0	439.8
125.00		1.00	1.05	8.129	8.94	127.46	0.730	0.000	1.75	3.685	2.69	24.1	0.0	87.5
127.00	Appurtenance(s)	1.00	1.06	8.166	8.98	124.94	0.730	0.000	2.00	4.125	3.01	27.0	0.0	98.0
130.00		1.00	1.07	8.221	9.04	121.12	0.730	0.000	3.00	6.015	4.39	39.7	0.0	142.8
135.00		1.00	1.08	8.310	9.14	114.67	0.730	0.000	5.00	9.565	6.98	63.8	0.0	227.0
137.00	Appurtenance(s)	1.00	1.08	8.345	9.18	112.07	0.730	0.000	2.00	3.665	2.68	24.6	0.0	87.0
140.00		1.00	1.09	8.397	9.24	108.14	0.730	0.000	3.00	5.326	3.89	35.9	0.0	126.3
145.00		1.00	1.10	8.481	9.33	101.51	0.730	0.000	5.00	8.417	6.14	57.3	0.0	199.5
147.00	Appurtenance(s)	1.00	1.10	8.514	9.37	98.83	0.730	0.000	2.00	3.206	2.34	21.9	0.0	76.0
150.00		1.00	1.11	8.564	9.42	94.80	0.730	0.000	3.00	4.637	3.38	31.9	0.0	109.8
155.00	Appurtenance(s)	1.00	1.12	8.644	9.51	88.00	0.730	0.000	5.00	7.268	5.31	50.5	0.0	172.0
								Totals:	**155.00**			**2,855.0**		**22,570.6**

* Cf Adjusted by Linear Load Ra Effect

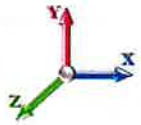
Discrete Appurtenance Forces

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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: 1.0D + 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	155.00	ALU TD-RRH8x20-25	3	8.676	9.544	0.50	0.75	6.11	210.00	0.000	2.000	58.27	0.00	116.54
2	155.00	ACU-A20-N	4	8.676	9.544	0.38	0.75	0.21	4.00	0.000	2.000	2.00	0.00	4.01
3	155.00	Low Profile Platform	1	8.644	9.509	1.00	1.00	28.00	1500.00	0.000	0.000	266.25	0.00	0.00
4	155.00	6' Lightning rod	1	8.644	9.509	1.00	1.00	0.38	6.50	0.000	0.000	3.61	0.00	0.00
5	155.00	Ericsson 4480 B71 + B85	3	8.676	9.544	0.50	0.75	4.30	279.00	0.000	2.000	41.00	0.00	82.01
6	155.00	Ericsson 4460 B25 + B66	3	8.676	9.544	0.50	0.75	4.30	327.00	0.000	2.000	41.00	0.00	82.01
7	155.00	Ericsson AIR6449 B41	3	8.676	9.544	0.71	1.00	12.03	309.00	0.000	2.000	114.85	0.00	229.71
8	155.00	PRK-SFS	1	8.644	9.509	1.00	1.00	9.50	464.91	0.000	0.000	90.33	0.00	0.00
9	155.00	HRK14-HD	1	8.644	9.509	1.00	1.00	8.13	302.36	0.000	0.000	77.31	0.00	0.00
10	155.00	HRK14-U	1	8.644	9.509	1.00	1.00	6.75	261.72	0.000	0.000	64.18	0.00	0.00
11	155.00	RFS	3	8.676	9.544	0.70	1.00	42.50	368.40	0.000	2.000	405.65	0.00	811.29
12	155.00	ALU 800 MHz Filter	3	8.676	9.544	0.38	0.75	0.88	26.40	0.000	2.000	8.37	0.00	16.75
13	147.00	MC-PK8-DSH	1	8.514	9.366	1.00	1.00	37.59	1727.00	0.000	0.000	352.06	0.00	0.00
14	147.00	FFVV-65C-R3-V1	3	8.514	9.366	0.55	0.75	20.15	213.00	0.000	0.000	188.76	0.00	0.00
15	147.00	TA08025-B605	3	8.514	9.366	0.50	0.75	2.95	225.00	0.000	0.000	27.67	0.00	0.00
16	147.00	TA08025-B604	3	8.514	9.366	0.50	0.75	2.95	191.70	0.000	0.000	27.67	0.00	0.00
17	147.00	RDIDC-9181-PF-48	1	8.514	9.366	0.75	0.75	1.51	21.90	0.000	0.000	14.12	0.00	0.00
18	137.00	Commscope -	1	8.345	9.179	0.57	0.80	2.73	45.00	0.000	0.000	25.03	0.00	0.00
19	137.00	Samsung - B2/B66A	3	8.345	9.179	0.62	0.80	3.47	210.90	0.000	0.000	31.89	0.00	0.00
20	137.00	Samsung - B5/B13	3	8.345	9.179	0.66	0.80	3.74	253.20	0.000	0.000	34.38	0.00	0.00
21	137.00	Samsung VZS01	3	8.345	9.179	0.56	0.80	7.90	261.30	0.000	0.000	72.48	0.00	0.00
22	137.00	Low Profile Platform	1	8.345	9.179	1.00	1.00	28.00	1200.00	0.000	0.000	257.02	0.00	0.00
23	137.00	LPA-80063/6CF_5	2	8.345	9.179	0.76	0.80	14.58	54.00	0.000	0.000	133.80	0.00	0.00
24	137.00	LPA-80080/6CF	2	8.345	9.179	1.20	0.80	10.37	42.00	0.000	0.000	95.17	0.00	0.00
25	137.00	LPA-80080/4CF	2	8.345	9.179	0.74	0.80	3.88	24.00	0.000	0.000	35.65	0.00	0.00
26	137.00	Kaelus BSF0020F3V1-1	2	8.345	9.179	0.52	0.80	1.00	35.20	0.000	0.000	9.16	0.00	0.00
27	137.00	JMA - MX06FIT665-02	6	8.345	9.179	0.76	0.80	37.16	306.00	0.000	0.000	341.14	0.00	0.00
28	127.00	860 10025	6	8.166	8.983	0.50	0.75	0.54	7.20	0.000	0.000	4.87	0.00	0.00
29	127.00	Low Profile Platform	1	8.166	8.983	1.00	1.00	25.00	1500.00	0.000	0.000	224.57	0.00	0.00
30	127.00	HRK14	1	8.166	8.983	1.00	1.00	6.75	261.72	0.000	0.000	60.63	0.00	0.00
31	127.00	7770	3	8.166	8.983	0.60	0.80	9.90	105.00	0.000	0.000	88.93	0.00	0.00
32	127.00	DC6-48-60-18-8F	1	8.166	8.983	0.80	0.80	1.18	31.80	0.000	0.000	10.56	0.00	0.00
33	127.00	DMP65R-BU6DA	3	8.166	8.983	0.54	0.75	20.59	238.20	0.000	0.000	184.95	0.00	0.00
34	127.00	(3) PRK-1245	1	8.166	8.983	1.00	1.00	9.50	464.91	0.000	0.000	85.34	0.00	0.00
35	127.00	HPA65R-BU6A	3	8.166	8.983	0.65	0.75	21.73	162.00	0.000	0.000	195.19	0.00	0.00
36	127.00	4449	3	8.166	8.983	0.50	0.75	2.49	210.00	0.000	0.000	22.34	0.00	0.00
37	127.00	8843	3	8.166	8.983	0.50	0.75	2.49	225.00	0.000	0.000	22.34	0.00	0.00
38	127.00	21401 TMA	6	8.166	8.983	0.50	0.75	3.89	84.60	0.000	0.000	34.94	0.00	0.00
39	117.00	Ericsson - Air 21 B2A/B4P	3	7.977	8.775	0.69	0.80	12.57	274.50	0.000	0.000	110.29	0.00	0.00
40	117.00	Air 21 B4A/B2P	3	7.977	8.775	0.69	0.80	12.57	271.20	0.000	0.000	110.29	0.00	0.00
41	117.00	T-Arms	3	7.977	8.775	0.56	0.75	13.50	1050.00	0.000	0.000	118.46	0.00	0.00
							Totals:		**13,755.62**			**4,092.56**		

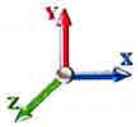
Total Applied Force Summary

Structure:	CT00248-S		**Code:**	TIA-222-H	7/11/2023
Site Name:	North Bethel		**Exposure:**	B	
Height:	155.00 (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: 1.0D + 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		103.06	1294.53	0.00	0.00
10.00		101.36	1267.04	0.00	0.00
15.00		99.62	1239.55	0.00	0.00
20.00		97.88	1212.06	0.00	0.00
25.00		96.13	1184.58	0.00	0.00
30.00		94.47	1157.09	0.00	0.00
35.00		96.90	1129.60	0.00	0.00
40.00		98.77	1102.11	0.00	0.00
44.00		79.80	861.90	0.00	0.00
45.00		20.21	395.48	0.00	0.00
49.75		97.72	1848.49	0.00	0.00
50.00		5.07	52.46	0.00	0.00
55.00		103.10	1034.84	0.00	0.00
60.00		103.57	1007.35	0.00	0.00
65.00		103.79	979.86	0.00	0.00
70.00		103.78	952.37	0.00	0.00
75.00		103.58	924.89	0.00	0.00
80.00		103.20	897.40	0.00	0.00
85.00		102.65	869.91	0.00	0.00
89.50		91.72	759.42	0.00	0.00
90.00		10.28	139.58	0.00	0.00
93.75		77.23	1030.80	0.00	0.00
95.00		25.33	177.41	0.00	0.00
100.00		101.28	695.32	0.00	0.00
105.00		100.20	672.41	0.00	0.00
110.00		99.01	649.50	0.00	0.00
115.00		147.56	626.60	0.00	0.00
117.00	(9) attachments	396.67	1839.92	0.00	0.00
120.00		42.64	318.73	0.00	0.00
123.25		45.70	502.97	0.00	0.00
125.00		24.05	121.52	0.00	0.00
127.00	(31) attachments	961.72	3427.24	0.00	0.00
130.00		39.71	180.70	0.00	0.00
135.00		63.83	290.17	0.00	0.00
137.00	(25) attachments	1060.28	2543.82	0.00	0.00
140.00		35.91	142.18	0.00	0.00
145.00		57.32	225.98	0.00	0.00
147.00	(11) attachments	632.21	2465.14	0.00	0.00
150.00		31.88	119.72	0.00	0.00
155.00	(27) attachments	1223.29	4247.83	0.00	1342.30
	Totals:	**6,982.47**	**40,588.46**	**0.00**	**1,342.30**

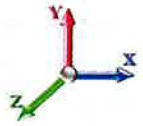
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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	

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	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.100	0.000	5.402	0.00	9.96
5.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.100	0.000	5.402	0.00	62.40
5.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.100	0.000	5.402	0.00	5.50
10.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.103	1.008	5.402	0.00	9.96
10.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.103	1.008	5.402	0.00	62.40
10.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.103	1.008	5.402	0.00	5.50
15.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.105	1.016	5.402	0.00	9.96
15.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.105	1.016	5.402	0.00	62.40
15.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.105	1.016	5.402	0.00	5.50
20.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.108	1.024	5.402	0.00	9.96
20.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.108	1.024	5.402	0.00	62.40
20.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.108	1.024	5.402	0.00	5.50
25.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.111	1.033	5.402	0.00	9.96
25.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.111	1.033	5.402	0.00	62.40
25.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.111	1.033	5.402	0.00	5.50
30.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.114	1.042	5.407	0.00	9.96
30.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.114	1.042	5.407	0.00	62.40
30.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.114	1.042	5.407	0.00	5.50
35.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.117	1.051	5.650	0.00	9.96
35.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.117	1.051	5.650	0.00	62.40
35.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.117	1.051	5.650	0.00	5.50
40.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.121	1.062	5.870	0.00	9.96
40.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.121	1.062	5.870	0.00	62.40
40.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.121	1.062	5.870	0.00	5.50
44.00	1.75" Hybrid	Yes	4.00	0.000	1.75	0.58	0.00	0.124	1.071	6.032	0.00	7.96
44.00	1 5/8" Coax	Yes	4.00	0.000	3.96	1.32	0.00	0.124	1.071	6.032	0.00	49.92
44.00	1 5/8" Hybrid	Yes	4.00	0.000	0.00	0.00	0.00	0.124	1.071	6.032	0.00	4.40
45.00	1.75" Hybrid	Yes	1.00	0.000	1.75	0.15	0.00	0.126	1.077	6.071	0.00	1.99
45.00	1 5/8" Coax	Yes	1.00	0.000	3.96	0.33	0.00	0.126	1.077	6.071	0.00	12.48
45.00	1 5/8" Hybrid	Yes	1.00	0.000	0.00	0.00	0.00	0.126	1.077	6.071	0.00	1.10
49.75	1.75" Hybrid	Yes	4.75	0.000	1.75	0.69	0.00	0.128	1.084	6.248	0.00	9.46
49.75	1 5/8" Coax	Yes	4.75	0.000	3.96	1.57	0.00	0.128	1.084	6.248	0.00	59.28
49.75	1 5/8" Hybrid	Yes	4.75	0.000	0.00	0.00	0.00	0.128	1.084	6.248	0.00	5.23
50.00	1.75" Hybrid	Yes	0.25	0.000	1.75	0.04	0.00	0.128	1.083	6.257	0.00	0.50
50.00	1 5/8" Coax	Yes	0.25	0.000	3.96	0.08	0.00	0.128	1.083	6.257	0.00	3.12
50.00	1 5/8" Hybrid	Yes	0.25	0.000	0.00	0.00	0.00	0.128	1.083	6.257	0.00	0.28
55.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.130	1.089	6.429	0.00	9.96
55.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.130	1.089	6.429	0.00	62.40
55.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.130	1.089	6.429	0.00	5.50
60.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.134	1.102	6.591	0.00	9.96
60.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.134	1.102	6.591	0.00	62.40
60.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.134	1.102	6.591	0.00	5.50
65.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.138	1.115	6.744	0.00	9.96
65.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.138	1.115	6.744	0.00	62.40
65.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.138	1.115	6.744	0.00	5.50
70.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.143	1.130	6.888	0.00	9.96
70.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.143	1.130	6.888	0.00	62.40

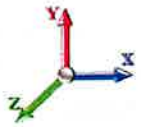
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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: 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)
70.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.143	1.130	6.888	0.00	5.50
75.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.148	1.145	7.025	0.00	9.96
75.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.148	1.145	7.025	0.00	62.40
75.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.148	1.145	7.025	0.00	5.50
80.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.154	1.162	7.156	0.00	9.96
80.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.154	1.162	7.156	0.00	62.40
80.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.154	1.162	7.156	0.00	5.50
85.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.160	1.179	7.281	0.00	9.96
85.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.160	1.179	7.281	0.00	62.40
85.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.160	1.179	7.281	0.00	5.50
89.50	1.75" Hybrid	Yes	4.50	0.000	1.75	0.66	0.00	0.166	1.198	7.389	0.00	8.96
89.50	1 5/8" Coax	Yes	4.50	0.000	3.96	1.48	0.00	0.166	1.198	7.389	0.00	56.16
89.50	1 5/8" Hybrid	Yes	4.50	0.000	0.00	0.00	0.00	0.166	1.198	7.389	0.00	4.95
90.00	1.75" Hybrid	Yes	0.50	0.000	1.75	0.07	0.00	0.169	1.208	7.401	0.00	1.00
90.00	1 5/8" Coax	Yes	0.50	0.000	3.96	0.17	0.00	0.169	1.208	7.401	0.00	6.24
90.00	1 5/8" Hybrid	Yes	0.50	0.000	0.00	0.00	0.00	0.169	1.208	7.401	0.00	0.55
93.75	1.75" Hybrid	Yes	3.75	0.000	1.75	0.55	0.00	0.172	1.217	7.488	0.00	7.47
93.75	1 5/8" Coax	Yes	3.75	0.000	3.96	1.24	0.00	0.172	1.217	7.488	0.00	46.80
93.75	1 5/8" Hybrid	Yes	3.75	0.000	0.00	0.00	0.00	0.172	1.217	7.488	0.00	4.13
95.00	1.75" Hybrid	Yes	1.25	0.000	1.75	0.18	0.00	0.173	1.218	7.516	0.00	2.49
95.00	1 5/8" Coax	Yes	1.25	0.000	3.96	0.41	0.00	0.173	1.218	7.516	0.00	15.60
95.00	1 5/8" Hybrid	Yes	1.25	0.000	0.00	0.00	0.00	0.173	1.218	7.516	0.00	1.38
100.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.177	1.232	7.627	0.00	9.96
100.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.177	1.232	7.627	0.00	62.40
100.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.177	1.232	7.627	0.00	5.50
105.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.185	1.255	7.734	0.00	9.96
105.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.185	1.255	7.734	0.00	62.40
105.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.185	1.255	7.734	0.00	5.50
110.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.194	1.281	7.838	0.00	9.96
110.00	1 5/8" Coax	Yes	5.00	0.000	3.96	1.65	0.00	0.194	1.281	7.838	0.00	62.40
110.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.194	1.281	7.838	0.00	5.50
115.00	1.75" Hybrid	Yes	5.00	1.200	1.75	0.73	0.87	0.203	0.000	7.938	7.64	9.96
115.00	1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	0.203	0.000	7.938	17.29	62.40
115.00	1 5/8" Hybrid	Yes	5.00	0.000	0.00	0.00	0.00	0.203	0.000	7.938	0.00	5.50
117.00	1.75" Hybrid	Yes	2.00	1.200	1.75	0.29	0.35	0.211	0.000	7.977	3.07	3.98
117.00	1 5/8" Coax	Yes	2.00	1.200	3.96	0.66	0.79	0.211	0.000	7.977	6.95	24.96
117.00	1 5/8" Hybrid	Yes	2.00	0.000	0.00	0.00	0.00	0.211	0.000	7.977	0.00	2.20
120.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.066	0.000	8.035	0.00	5.97
123.25	1.75" Hybrid	Yes	3.25	0.000	1.75	0.47	0.00	0.068	0.000	8.096	0.00	6.47
125.00	1.75" Hybrid	Yes	1.75	0.000	1.75	0.26	0.00	0.069	0.000	8.129	0.00	3.48
127.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.071	0.000	8.166	0.00	3.98
130.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.073	0.000	8.221	0.00	5.97
135.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.076	0.000	8.310	0.00	9.96
137.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.080	0.000	8.345	0.00	3.98
140.00	1.75" Hybrid	Yes	3.00	0.000	1.75	0.44	0.00	0.082	0.000	8.397	0.00	5.97
145.00	1.75" Hybrid	Yes	5.00	0.000	1.75	0.73	0.00	0.087	0.000	8.481	0.00	9.96
147.00	1.75" Hybrid	Yes	2.00	0.000	1.75	0.29	0.00	0.091	0.000	8.514	0.00	3.98

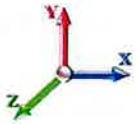
Linear Appurtenance Segment Forces (Factored)

Structure:	CT00248-S	**Code:**	TIA-222-H	7/11/2023	
Site Name:	North Bethel	**Exposure:**	B		
Height:	155.00 (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: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 24

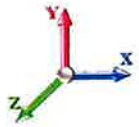
Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
										Totals:	**34.9**	**1,881.5**

Calculated Forces

Structure: CT00248-S
Site Name: North Bethel
Height: 155.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/11/2023
Exposure: B
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II Page: 40

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	-40.59	-7.00	0.00	-826.30	0.00	826.30	4331.76	1179.24	5523.56	5037.85	0.00	0.000	0.000	0.173
5.00	-39.29	-6.92	0.00	-791.32	0.00	791.32	4271.91	1150.89	5261.13	4848.00	0.02	-0.043	0.000	0.172
10.00	-38.01	-6.85	0.00	-756.70	0.00	756.70	4209.88	1122.53	5005.09	4659.10	0.09	-0.086	0.000	0.171
15.00	-36.77	-6.78	0.00	-722.45	0.00	722.45	4145.67	1094.18	4755.44	4471.34	0.21	-0.131	0.000	0.170
20.00	-35.55	-6.71	0.00	-688.56	0.00	688.56	4079.27	1065.82	4512.17	4284.91	0.37	-0.178	0.000	0.169
25.00	-34.36	-6.63	0.00	-655.04	0.00	655.04	4010.69	1037.47	4275.29	4099.98	0.58	-0.226	0.000	0.168
30.00	-33.20	-6.56	0.00	-621.86	0.00	621.86	3939.93	1009.12	4044.80	3916.74	0.84	-0.275	0.000	0.167
35.00	-32.06	-6.49	0.00	-589.04	0.00	589.04	3866.98	980.76	3820.69	3735.38	1.16	-0.326	0.000	0.166
40.00	-30.96	-6.41	0.00	-556.59	0.00	556.59	3791.85	952.41	3602.97	3556.07	1.53	-0.378	0.000	0.165
44.00	-30.09	-6.34	0.00	-530.95	0.00	530.95	3730.17	929.72	3433.39	3414.24	1.86	-0.421	0.000	0.164
45.00	-29.69	-6.33	0.00	-524.61	0.00	524.61	3714.54	924.05	3391.64	3379.01	1.95	-0.433	0.000	0.163
49.75	-27.84	-6.23	0.00	-494.54	0.00	494.54	3683.20	912.78	3309.41	3309.30	2.41	-0.486	0.000	0.157
50.00	-27.79	-6.24	0.00	-492.98	0.00	492.98	3679.23	911.37	3299.14	3300.56	2.44	-0.489	0.000	0.157
55.00	-26.75	-6.16	0.00	-461.77	0.00	461.77	3598.76	883.01	3097.05	3127.07	2.98	-0.543	0.000	0.155
60.00	-25.74	-6.07	0.00	-430.99	0.00	430.99	3516.10	854.66	2901.35	2956.28	3.58	-0.599	0.000	0.153
65.00	-24.75	-5.98	0.00	-400.66	0.00	400.66	3431.27	826.30	2712.03	2788.37	4.23	-0.656	0.000	0.151
70.00	-23.79	-5.89	0.00	-370.77	0.00	370.77	3344.24	797.95	2529.10	2623.52	4.95	-0.715	0.000	0.148
75.00	-22.86	-5.80	0.00	-341.33	0.00	341.33	3255.04	769.60	2352.56	2461.92	5.73	-0.776	0.000	0.146
80.00	-21.96	-5.70	0.00	-312.35	0.00	312.35	3137.93	741.24	2182.41	2285.03	6.58	-0.838	0.000	0.144
85.00	-21.09	-5.61	0.00	-283.83	0.00	283.83	3017.89	712.89	2018.64	2112.68	7.49	-0.901	0.000	0.141
89.50	-20.33	-5.52	0.00	-258.59	0.00	258.59	2909.87	687.37	1876.70	1963.34	8.37	-0.959	0.000	0.139
90.00	-20.19	-5.52	0.00	-255.83	0.00	255.83	2897.86	684.53	1861.25	1947.09	8.47	-0.966	0.000	0.138
93.75	-19.15	-5.43	0.00	-235.14	0.00	235.14	2354.99	564.69	1519.91	1569.17	9.25	-1.015	0.000	0.158
95.00	-18.97	-5.42	0.00	-228.36	0.00	228.36	2336.81	558.78	1488.28	1540.62	9.52	-1.032	0.000	0.156
100.00	-18.27	-5.33	0.00	-201.26	0.00	201.26	2262.72	535.16	1365.08	1428.08	10.64	-1.106	0.000	0.149
105.00	-17.59	-5.24	0.00	-174.63	0.00	174.63	2165.47	511.53	1247.20	1305.76	11.83	-1.179	0.000	0.142
110.00	-16.94	-5.14	0.00	-148.45	0.00	148.45	2065.44	487.90	1134.64	1187.31	13.11	-1.252	0.000	0.133
115.00	-16.31	-5.00	0.00	-122.72	0.00	122.72	1965.41	464.27	1027.40	1074.49	14.46	-1.321	0.000	0.123
117.00	-14.48	-4.57	0.00	-112.73	0.00	112.73	1925.40	454.82	986.00	1030.94	15.02	-1.350	0.000	0.117
120.00	-14.16	-4.53	0.00	-99.03	0.00	99.03	1865.39	440.64	925.49	967.30	15.88	-1.390	0.000	0.110
123.25	-13.66	-4.48	0.00	-84.32	0.00	84.32	1005.19	260.39	538.64	515.83	16.84	-1.432	0.000	0.177
125.00	-13.53	-4.46	0.00	-76.49	0.00	76.49	992.91	255.43	518.31	499.75	17.37	-1.454	0.000	0.167
127.00	-10.13	-3.41	0.00	-67.58	0.00	67.58	978.56	249.76	495.55	481.51	17.99	-1.491	0.000	0.151
130.00	-9.95	-3.38	0.00	-57.34	0.00	57.34	956.38	241.25	462.37	454.44	18.94	-1.543	0.000	0.137
135.00	-9.65	-3.32	0.00	-40.44	0.00	40.44	917.66	227.08	409.63	410.21	20.60	-1.618	0.000	0.109
137.00	-7.14	-2.19	0.00	-33.80	0.00	33.80	901.57	221.41	389.42	392.87	21.28	-1.645	0.000	0.094
140.00	-7.00	-2.15	0.00	-27.24	0.00	27.24	876.76	212.90	360.08	367.25	22.33	-1.682	0.000	0.082
145.00	-6.77	-2.09	0.00	-16.47	0.00	16.47	833.68	198.72	313.72	325.74	24.12	-1.730	0.000	0.059
147.00	-4.33	-1.39	0.00	-12.28	0.00	12.28	815.84	193.05	296.07	309.58	24.84	-1.746	0.000	0.045
150.00	-4.21	-1.35	0.00	-8.11	0.00	8.11	781.24	184.55	270.55	283.26	25.95	-1.764	0.000	0.034
155.00	0.00	-1.22	0.00	-1.34	0.00	1.34	721.23	170.37	230.58	241.20	27.81	-1.781	0.000	0.006

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 115 mph Wind	28.7	0.00	48.66	0.00	0.00	3418.00
0.9D + 1.0W 115 mph Wind	28.7	0.00	36.49	0.00	0.00	3368.17
1.2D + 1.0Di + 1.0Wi 50 mph Wind	8.1	0.00	70.05	0.00	0.00	962.92
1.2D + 1.0Ev + 1.0Eh	0.7	0.00	50.70	0.00	0.00	98.56
0.9D + 1.0Ev + 1.0Eh	0.7	0.00	38.47	0.00	0.00	97.32
1.0D + 1.0W 60 mph Wind	7.0	0.00	40.59	0.00	0.00	826.30

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 115 mph Wind	-14.66	-18.59	0.00	-350.46	0.00	-350.46	1005.19	260.39	538.64	515.83	123.25	0.699
0.9D + 1.0W 115 mph Wind	-36.49	-28.71	0.00	-3368.1	0.00	-3368.1	4331.76	1179.2	5523.56	5037.85	0.00	0.678
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-26.67	-5.23	0.00	-99.48	0.00	-99.48	1005.19	260.39	538.64	515.83	123.25	0.220
1.2D + 1.0Ev + 1.0Eh	-17.18	-0.64	0.00	-13.92	0.00	-13.92	1005.19	260.39	538.64	515.83	123.25	0.044
0.9D + 1.0Ev + 1.0Eh	-13.05	-0.63	0.00	-13.73	0.00	-13.73	1005.19	260.39	538.64	515.83	123.25	0.040
1.0D + 1.0W 60 mph Wind	-13.66	-4.48	0.00	-84.32	0.00	-84.32	1005.19	260.39	538.64	515.83	123.25	0.177

Base Plate Summary

Structure:	CT00248-S		**Code:**	TIA-222-H	7/11/2023
Site Name:	North Bethel		**Exposure:**	B	
Height:	155.00 (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

SBA

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	50.00	**Bolt Circle:**	64.00
Moment (kip-ft):	3850.00	**Width (in):**	64.00	**Number Bolts:**	20.00
Axial (kip):	38.70	**Style:**	Clipped	**Bolt Type:**	2.25" 18J
Shear (kip):	32.40	**Polygon Sides:**	0.00	**Bolt Diameter (in):**	2.25
		Clip Length (in):	15.00	**Yield (ksi):**	75.00
Analysis (1.2D + 1.0W)		**Effective Len (in):**	8.82	**Ultimate (ksi):**	100.00
Moment (kip-ft):	3418.00	**Moment (kip-in):**	468.23	**Arrangement:**	Clustered
Axial (kip):	48.66	**Allow Stress (ksi):**	67.50	**Cluster Dist (in):**	6.00
Shear (kip):	28.73	**Applied Stress (ksi):**	41.85	**Start Angle (deg):**	45.00
		Stress Ratio:	0.62	Compression	
				Force (kip):	130.61
				Allowable (kip):	268.39
				Ratio:	0.49
				Tension	
				Force (kip):	125.74
				Allowable (kip):	243.75
				Ratio:	0.52

Monopole Mat Foundation Design

Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	155
Site Number:	CT00248-S	Engineer Name:	A. Hagos
Engr. Number:		Engineer Login ID:	

Date: 7/12/2023

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

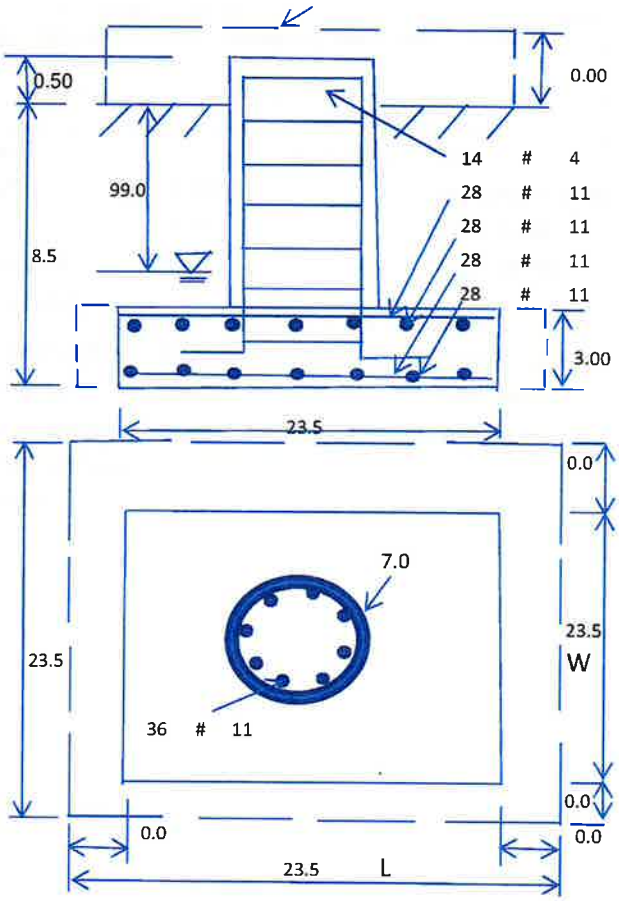
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	48.7	Shear Force (Kips):	28.7
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3418.0

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	8.5
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.00
Length of Pad (ft.):	23.5	Width of Pad (ft.):	23.5
Final Length of pad (ft)	23.5	Final width of pad (ft):	23.5



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	40	
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	36	Tie Spacing (in):	8.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	11	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	28	Qty. of Rebar in Pad (W):	28	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	28	Qty. of Rebar in Pad (W):	28	

Soil Design Parameters:

Soil Unit Weight (pcf):	100.0	Soil Buoyant Weight:	37.6	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):	5000	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.:	Yes	Reduction factor on the maximum soil bearing pressure:	1.00			

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

Total Dry Soil Volume (cu. Ft.):	2825.71	Total Dry Soil Weight (Kips):	282.57
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	282.57	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1887.66	Total Dry Concrete Weight (Kips):	283.15
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	283.15	Total Vertical Load on Base (Kips):	614.38

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	2875	<	Allowable Factored Soil Bearing (psf): 3750	0.77	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	6554.2	>	Design Factored Momont (kips-ft): 3411	0.52	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.92	OK!			

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90		Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65		Wind Load Factor on Concrete Design:	1.00		
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	1.56		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	8832.5	>	Design Factored Moment (Mu, Kips-Ft	3590.2	0.41	OK!
Calculated Shear Capacity (Kips):	589.7	>	Design Factored Shear (Kips):	28.7	0.05	OK!
Calculated Tension Capacity (Tn, Kips):	3032.6	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	7273.9	>	Design Factored Axial Load (Pu Kips):	48.7	0.01	OK!
Moment & Axial Strength Combination:	0.41	OK!	Check Tie Spacing (Design/Required):		0.6667	OK!
Pier Reinforcement Ratio:	0.010		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	748.6	>	One-Way Factored Shear (L-D. Kips):	221.2	0.30	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	748.6	>	One-Way Factored Shear (W-D., Kips)	221.2	0.30	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	664.2	>	One-Way Factored Shear (C-C, Kips):	210.7	0.32	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0048	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0048		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	5993.2	>	Moment at Bottom (L-Dir. K-Ft):	1165.2	0.19	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	5993.2	>	Moment at Bottom (W-Dir. K-Ft):	1165.2	0.19	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	8340.4	>	Moment at Bottom (C-C Dir. K-Ft):	1647.9	0.20	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0048	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0048		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	5993.2	>	Moment at the top (L-Dir K-Ft):	499.4	0.08	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	5993.2	>	Moment at the top (W-Dir K-Ft):	499.4	0.08	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	8340.4	>	Moment at the top (C-C Dir. K-Ft):	469.8	0.06	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	1367.2	k-ft.	Max. factored shear stress v_{u_CD}:		3.4	Psi
Max. factored shear stress v_{u_AB}:	9.8	Psi	Factored shear Strength ϕv_n:		164.3	Psi
Max. factored shear stress v_u:	9.8	Psi	Check Usage of Punching Shear Capacity:		0.06	OK!
(4).Check Bending Capacity of the Pad Within the Effective Slab Width:						
Overturning moment to be transferred by flexure:	1025.4	k-ft.	Effective Width for resisting OT moment:		16.0	ft.
Calculated number of Rebar in Effective width:	20		Actual number of Rebar in Effective width:		20	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	4268.3	k-ft.	Check Usage of the Flexure Capacity:		0.24	OK!

verizon

Colliers Engineering & Design

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Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206286
Colliers Engineering & Design CT. P.C. Project #: 23777051 (Rev. 1)

July 10, 2023

Site Information	*Site ID:*	*5000382994-VZW / BETHEL WEST CT*
	Site Name:	*BETHEL WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*11 Francis J. Clarke Circle* *Bethel, Connecticut 06801* *Fairfield County*
	Latitude:	*41.360500°*
	Longitude:	*-73.424472°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*14.00-Ft Platform*

FUZE ID # 17123918

Analysis Results

Platform: **88.2% 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: 323446, dated January 21, 2020*
Mount Mapping Report	*RKS Design & Engineering, LLC, Site ID: SBA: CT0248, dated January 9, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 20777631, dated June 3, 2021*
Post-Modification Inspection Report	*Maser Consulting Connecticut, Project #: 20777631, dated April 20, 2022*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.985
Seismic Parameters:	S_S:	0.223 g
	S_1:	0.056 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
135.50	137.00	6	JMA Wireless	MX06FIT665-02	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		2	Antel	LPA-80063/6CF	
		2	Antel	LPA-80080/6CF	
		2	Antel	LPA-80080/4CF	
		2	KAelus	BSF0020F3V1-1	Added

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*23.2 %*	*Pass*
Inner Face Horizontal	*28.8 %*	*Pass*
Face Horizontal	*88.2 %*	*Pass*
Platform Connection Angle	*9.3 %*	*Pass*
Antenna Pipe	*41.6 %*	*Pass*
Proposed Support	*12.9 %*	*Pass*
Proposed Support Angle	*19.5 %*	*Pass*
Proposed Standoff Horizontal	*30.2 %*	*Pass*
Connection Check	*15.5 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**88.2%**

BASELINE mount weight per SBA agreement: 2637.90 lbs

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

The weights listed above include 3 sectors.

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

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	38.9	38.9	53.6	53.6
0.5	49.8	49.8	70.7	70.7
1	60.3	60.3	87.4	87.4

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

Requirements:

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

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

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

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

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

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MDG #: 5000382994 SMART Project #: 10206286 Fuze Project ID: 17123918

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

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

Base Requirements:

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

Photo Requirements:

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

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

Antenna & equipment placement and Geometry Confirmation:

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

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

OR

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

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

Issue:

Response:

Special Instruction Confirmation:

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

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

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

OR

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

Comments:

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

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

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

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

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

Structure: 5000382994-VZW - BETHEL WEST CT

Sector: A

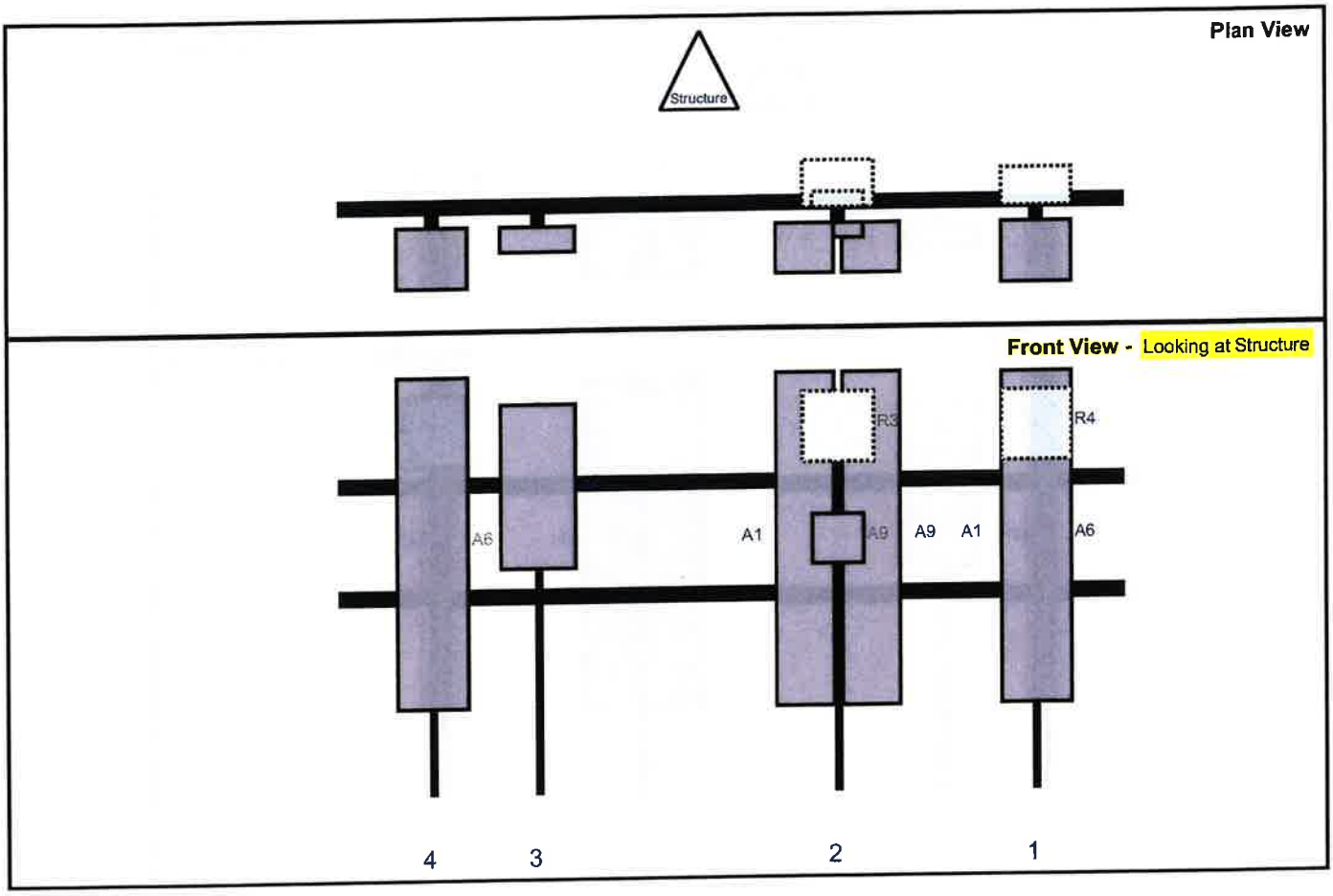
Structure Type: Monopole

Mount Elev: 135.50

10206286

7/10/2023

Colliers Engineering & Design



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
A6	LPA-80063/6CF	70.9	15	149	1	a	Front	30	0	Retained	03/11/2022
R4	B5/B13 RRH-BR04C	15	15	149	1	a	Behind	6	0	Retained	03/11/2022
A1	MX06FIT665-02	71.3	12.2	106.5	2	a	Front	30	-7	Retained	03/11/2022
A1	MX06FIT665-02	71.3	12.2	106.5	2	b	Front	30	7	Retained	03/11/2022
R3	B2/B66A RRH-BR049	15	15	106.5	2	a	Behind	6	0	Retained	03/11/2022
A9	BSF0020F3V1-1	10.6	10.9	106.5	2	a	Behind	30	0	Added	
A9	BSF0020F3V1-1	10.6	10.9	106.5	2	b	Front	30	0	Added	
A2	MT6407-77A	35.1	16.1	42.5	3	a	Front	18	0	Retained	03/11/2022
A6	LPA-80063/6CF	70.9	15	20	4	a	Front	30	0	Retained	03/11/2022
OVP	RVZDC-6627-PF-48	28.9	15.7		Member					Retained	03/11/2022

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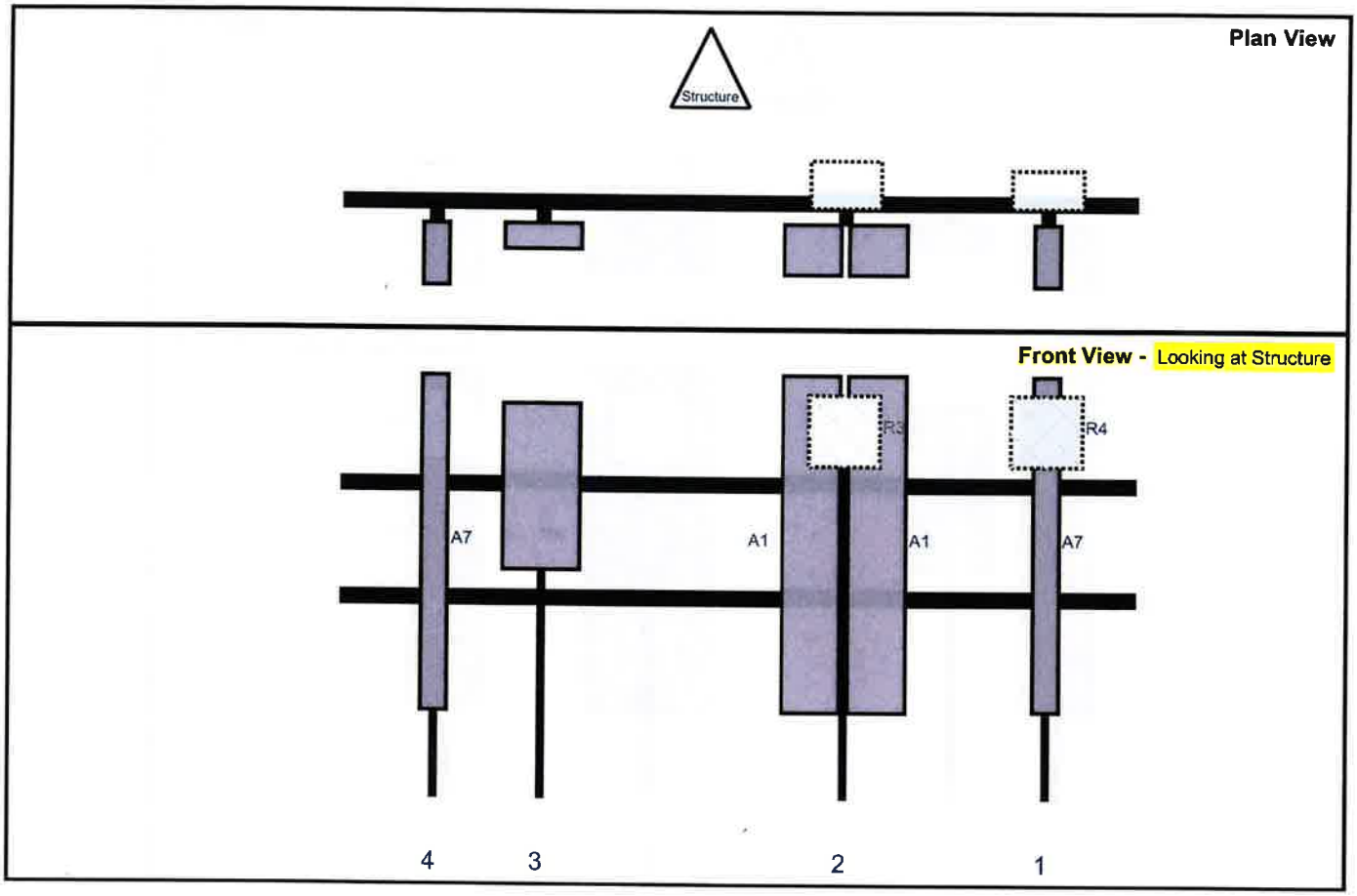

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	LPA-80080/6CF ___	70.9	5.5	149	1	a	Front	30	0	Retained	03/11/2022
R4	B5/B13 RRH-BR04C	15	15	149	1	a	Behind	6	0	Retained	03/11/2022
A1	MX06FIT665-02	71.3	12.2	106.5	2	a	Front	30	-7	Retained	03/11/2022
A1	MX06FIT665-02	71.3	12.2	106.5	2	b	Front	30	7	Retained	03/11/2022
R3	B2/B66A RRH-BR049	15	15	106.5	2	a	Behind	6	0	Retained	03/11/2022
A2	MT6407-77A	35.1	16.1	42.5	3	a	Front	18	0	Retained	03/11/2022
A7	LPA-80080/6CF ___	70.9	5.5	20	4	a	Front	30	0	Retained	03/11/2022

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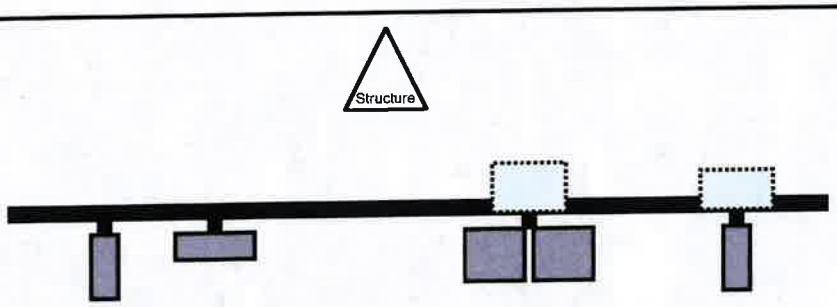
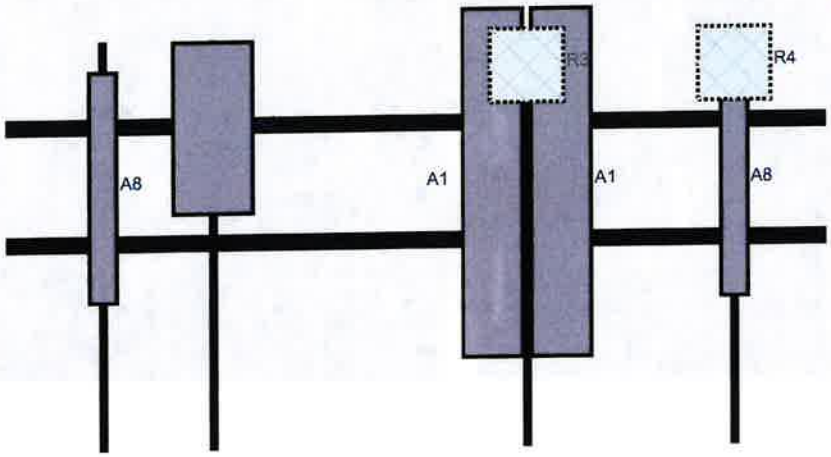
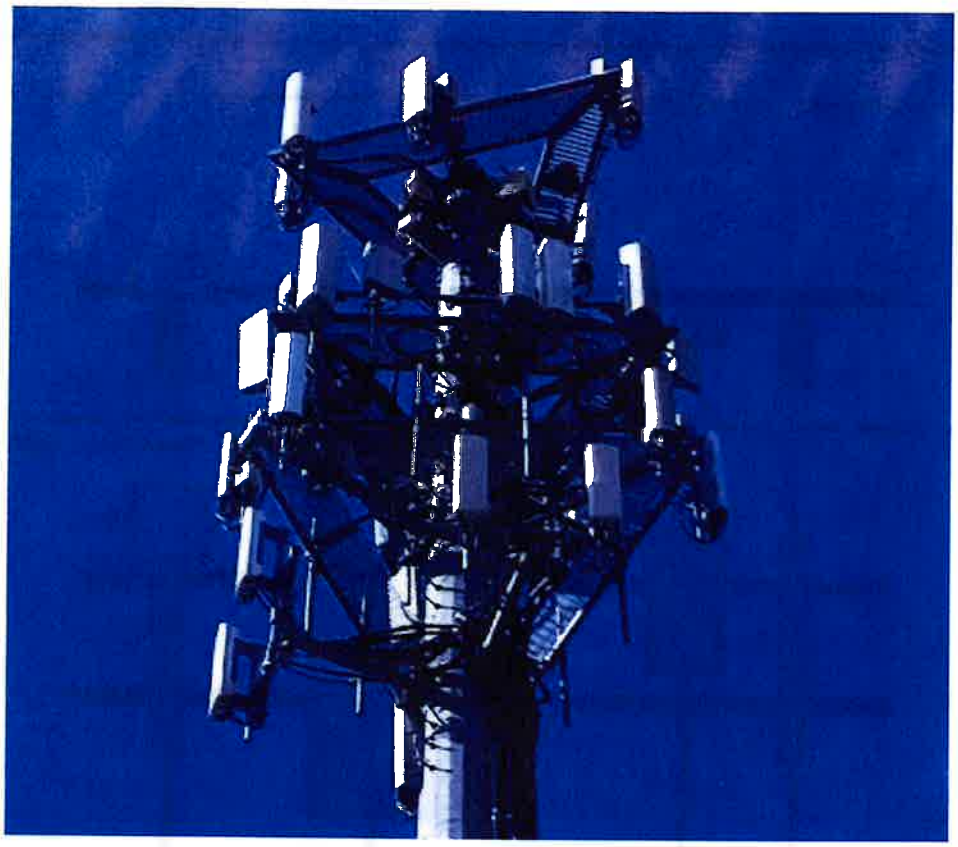
Plan View



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
A8	LPA-80080/4CF ___	47.2	5.5	149	1	a	Front	30	0	Retained	03/11/2022
R4	B5/B13 RRH-BR04C	15	15	149	1	a	Behind	6	0	Retained	03/11/2022
A1	MX06FIT665-02	71.3	12.2	106.5	2	a	Front	30	-7	Retained	03/11/2022
A1	MX06FIT665-02	71.3	12.2	106.5	2	b	Front	30	7	Retained	03/11/2022
R3	B2/B66A RRH-BR049	15	15	106.5	2	a	Behind	6	0	Retained	03/11/2022
A2	MT6407-77A	35.1	16.1	42.5	3	a	Front	18	0	Retained	03/11/2022
A8	LPA-80080/4CF ___	47.2	5.5	20	4	a	Front	30	0	Retained	03/11/2022

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V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #: 1051825

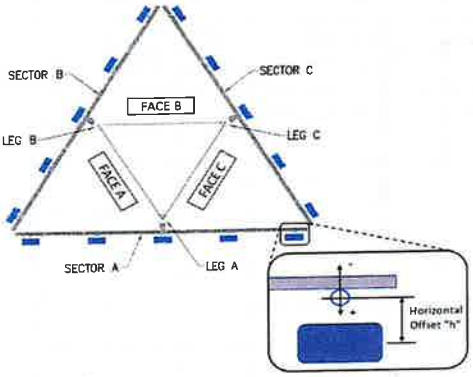
Tower Owner:	SBA	Mapping Date:	1/9/2021
Site Name:	VZW: BETHEL WEST CT	Tower Type:	Monopole
Site Number or ID:	SBA: CT0248	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC	Mount Elevation (Ft.):	135.5

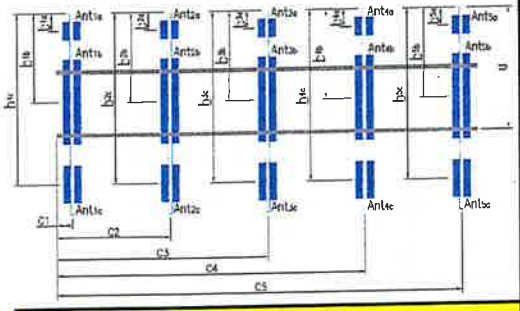
Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "h"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "h"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø X 0.15" X 84" LONG	41.50	19.00	C1	PIPE 2.375"Ø X 0.15" X 84" LONG	14.50	42.00
A2	PIPE 2.375"Ø X 0.15" X 78" LONG	41.00	61.50	C2	PIPE 2.375"Ø X 0.15" X 78" LONG	61.50	38.00
A3	PIPE 2.375"Ø X 0.15" X 84" LONG	41.50	125.50	C3	PIPE 2.375"Ø X 0.15" X 84" LONG	126.50	41.50
A4	PIPE 2.375"Ø X 0.15" X 84" LONG	41.50	148.00	C4	PIPE 2.375"Ø X 0.15" X 84" LONG	151.00	41.00
A5				C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.15" X 84" LONG	41.50	19.00	D1			
B2	PIPE 2.375"Ø X 0.15" X 78" LONG	41.00	61.50	D2			
B3	PIPE 2.375"Ø X 0.15" X 84" LONG	41.50	125.50	D3			
B4	PIPE 2.375"Ø X 0.15" X 84" LONG	41.50	148.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	5.33
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.): 28.02



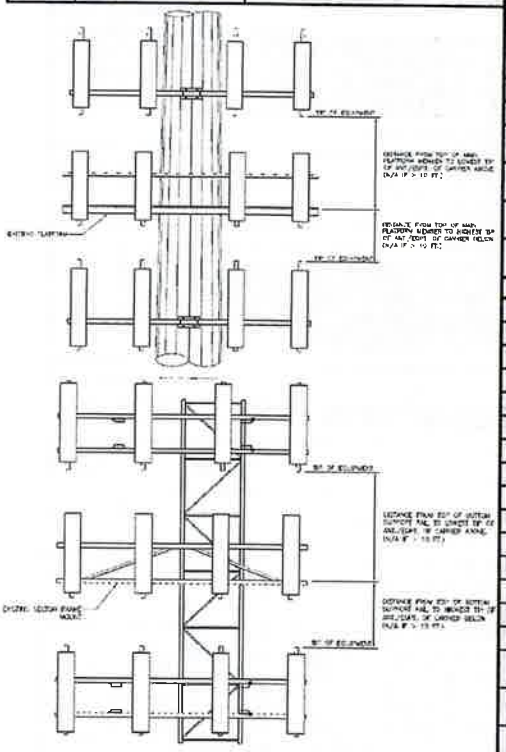


Antenna Layout (Looking Out From Tower)

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}	UNKNOWN-PANEL	14.50	9.00	71.00		135.625	40.00	11.00	35.00	13, 243
Ant_{1c}										
Ant_{2a}	UNKNOWN-TMA	6.25	1.00	5.00		136.833	25.00	-2.00		409
Ant_{2b}	SBNHH-1D65B	11.90	7.10	72.90		136.938	23.75	8.50	30.00	13, 244
Ant_{2c}										
Ant_{3a}	UNKNOWN-TMA	6.25	1.00	5.00		136.5	29.50	-2.00		420
Ant_{3b}	BXA-171063-8BF-EDI	6.10	4.10	48.50		136.729	26.75	8.00	50.00	13, 245
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-4CF-EDIN	5.50	13.20	47.20		136.625	28.00	13.50	50.00	13, 245
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B4 RRH2x60-4R	10.63	5.75	36.60			30.50			13, 243
Ant on Standoff	RRFDC-3315-PF-48	15.73	10.25	25.66			15.75			13, 243
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	50.00	Deg	Leg A:		Deg
Sector B:	170.00	Deg	Leg B:		Deg
Sector C:	290.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	230.00	Deg
Climbing Facility	Corrosion Type:	N/A
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B											
Ant_{1a}											
Ant_{1b}	LPA-80080-4CF-EDIN	5.50	13.20	47.20		136.896	24.75	13.50	170.00	20, 247
Ant_{1c}										
Ant_{2a}	UNKNOWN-TMA	6.25	1.00	5.00		136.417	30.00	-2.00		442
Ant_{2b}	SBNHH-1D65B	11.90	7.10	72.90		136.958	23.50	8.50	170.00	20, 247
Ant_{2c}										
Ant_{3a}	UNKNOWN-TMA	6.25	1.00	5.00		136.542	29.00	-2.00		448
Ant_{3b}	BXA-171063-8BF-EDI	6.10	4.10	48.50		136.604	28.25	8.00	170.00	20, 249
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-4CF-EDIN	5.50	13.20	47.20		137.208	21.00	13.50	170.00	20, 249
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B4 RRH2x60-4R	10.63	5.75	36.60			30.50			20, 248
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80080-4CF-EDIN	5.50	13.20	47.20		134.417	27.50	13.50	290.00	27, 251
Ant_{1c}										
Ant_{2a}	UNKNOWN-TMA	6.25	1.00	5.00		138.583	24.50	-2.00		327
Ant_{2b}	SBNHH-1D65B	11.90	7.10	72.90		138.917	20.50	8.50	290.00	27, 251
Ant_{2c}										
Ant_{3a}	UNKNOWN-TMA	6.25	1.00	5.00		143.875	26.00	-2.00		348
Ant_{3b}	BXA-171063-8BF-EDI	6.10	4.10	48.50		143.688	28.25	8.00	290.00	27, 253
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-4CF-EDIN	5.50	13.20	47.20		145.75	28.00	13.50	290.00	27, 253
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	B4 RRH2x60-4R	10.63	5.75	36.60			30.50			27, 253
Ant on Standoff	RRFDC-3315-PF-48	15.73	10.25	25.66			15.75			27, 253
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	TOTAL COAX (14): (12) FH 1 5/8, (2) 1.52"Ø HYBRID	
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.

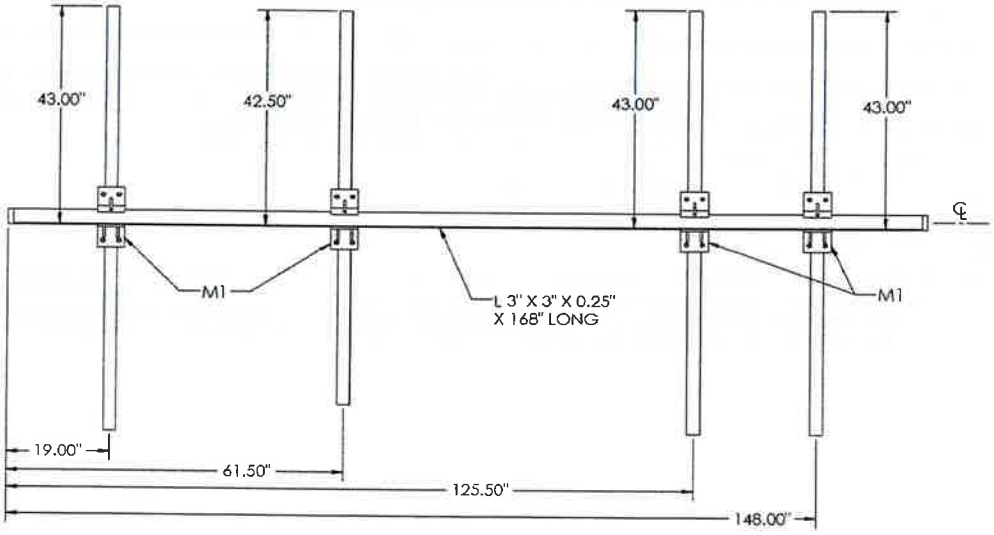
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

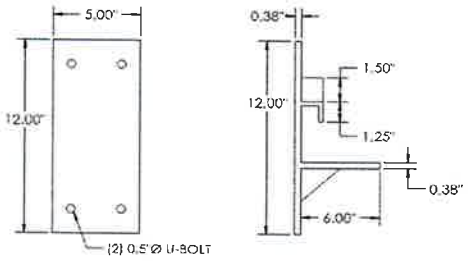
FCC #: 1051825

Tower Owner:	SBA	Mapping Date:	1/9/2021
Site Name:	VZW: BETHEL WEST CT	Tower Type:	Monopole
Site Number or ID:	SBA: CT0248	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC	Mount Elevation (Ft.):	135.5

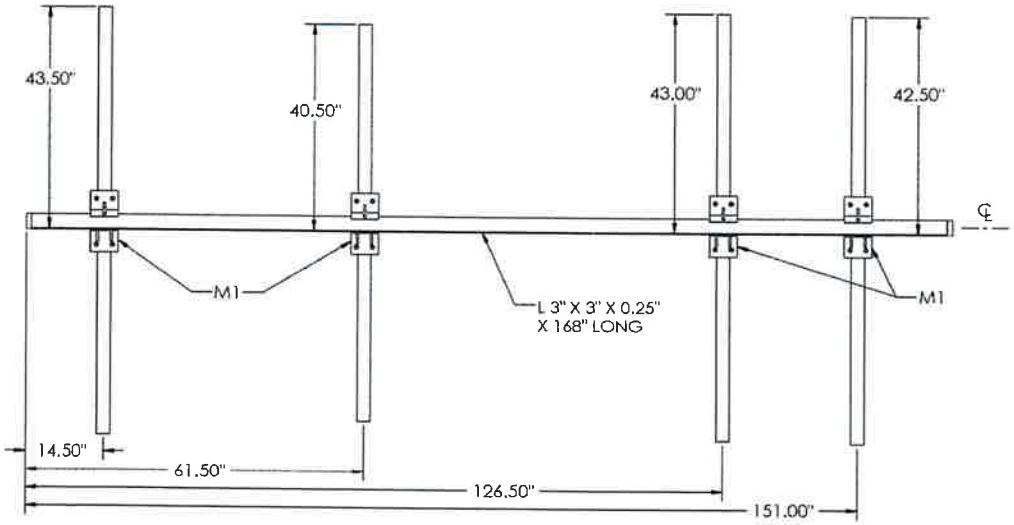
Please Insert Sketches of the Antenna Mount



SECTOR - A & B

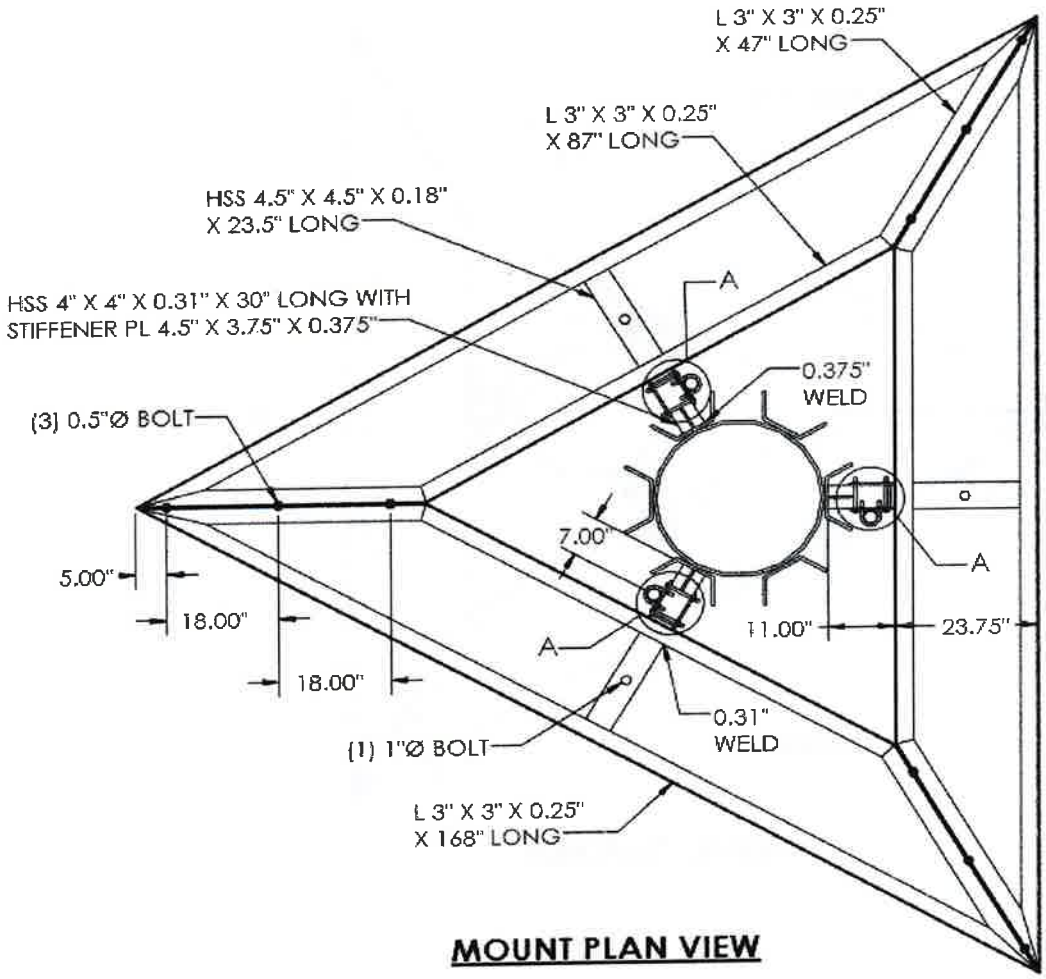


M1 MEBER DETAIL

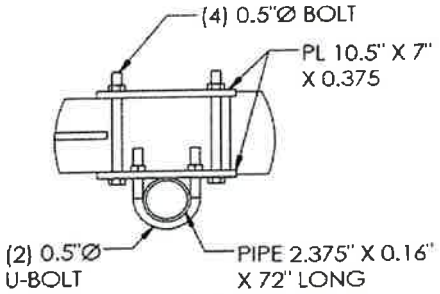


SECTOR - C

Please Insert Sketches of the Antenna Mount, cont'd

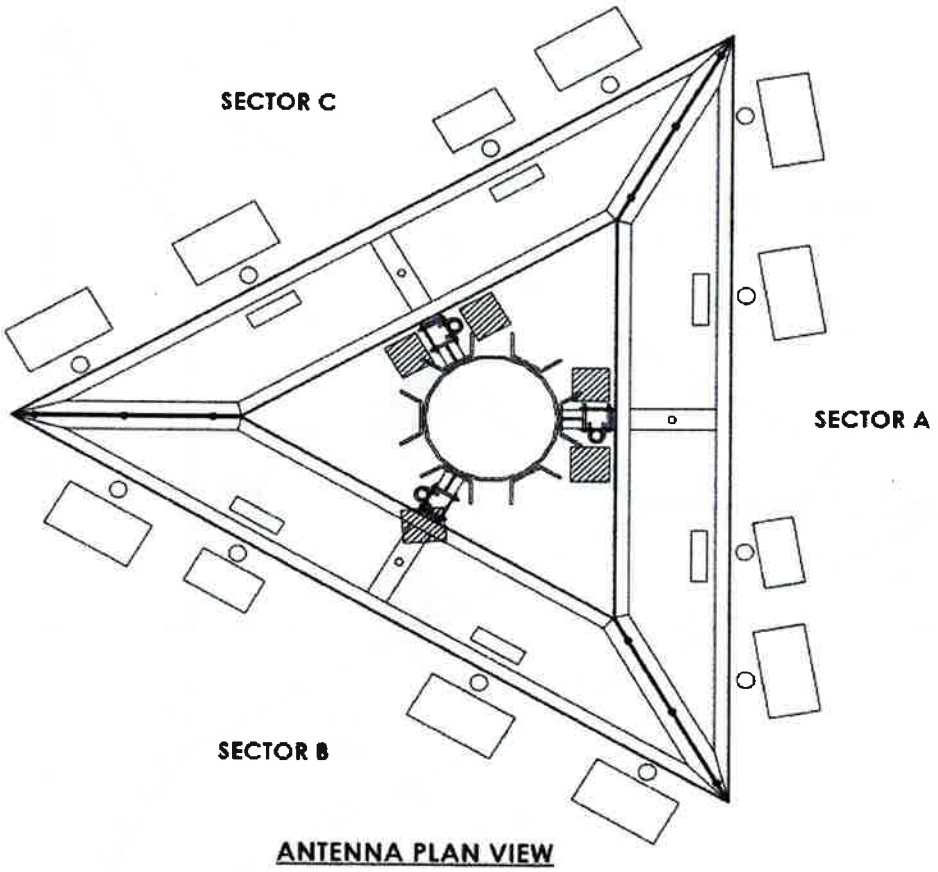


MOUNT PLAN VIEW

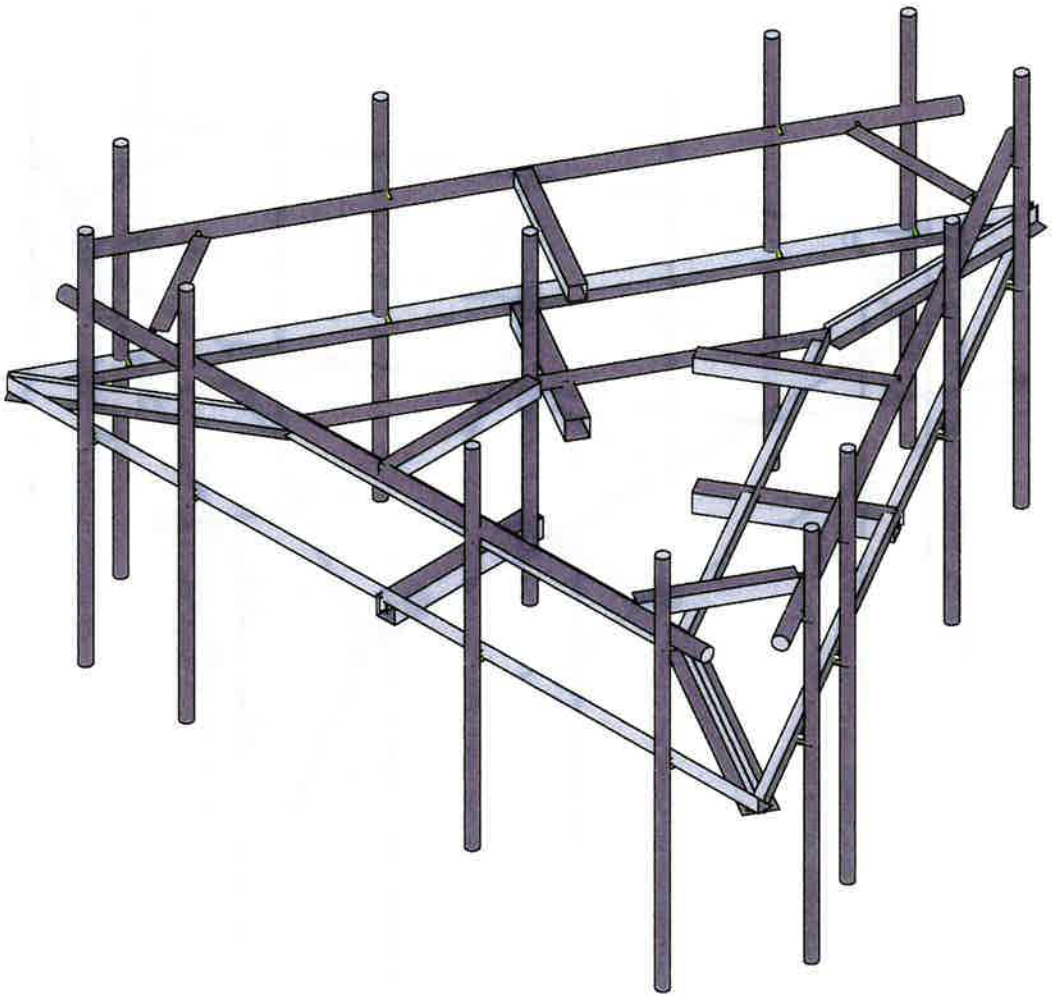


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd



ANTENNA PLAN VIEW



Envelope Only Solution

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		July 6, 2023 at 2:20 PM
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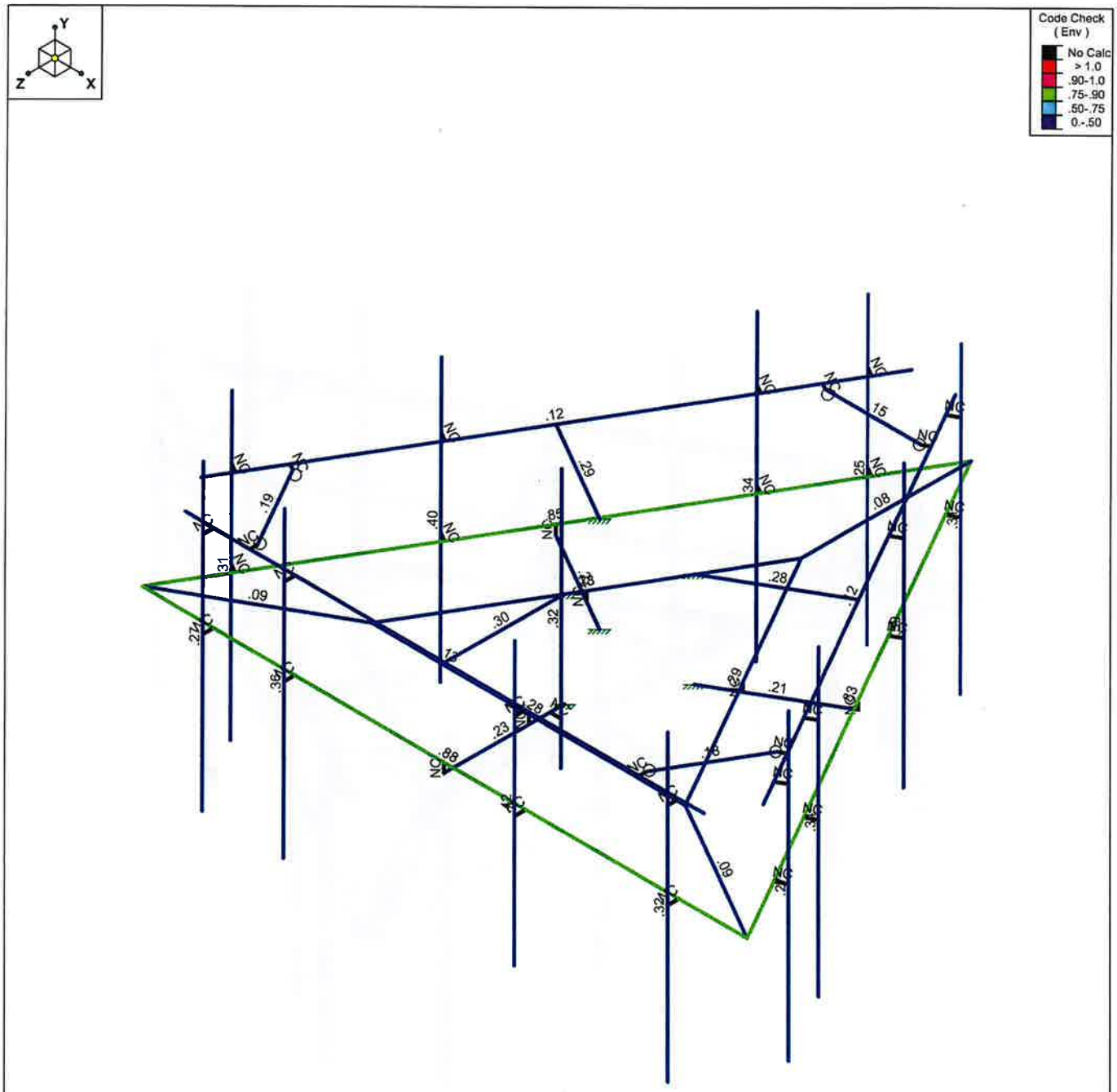

Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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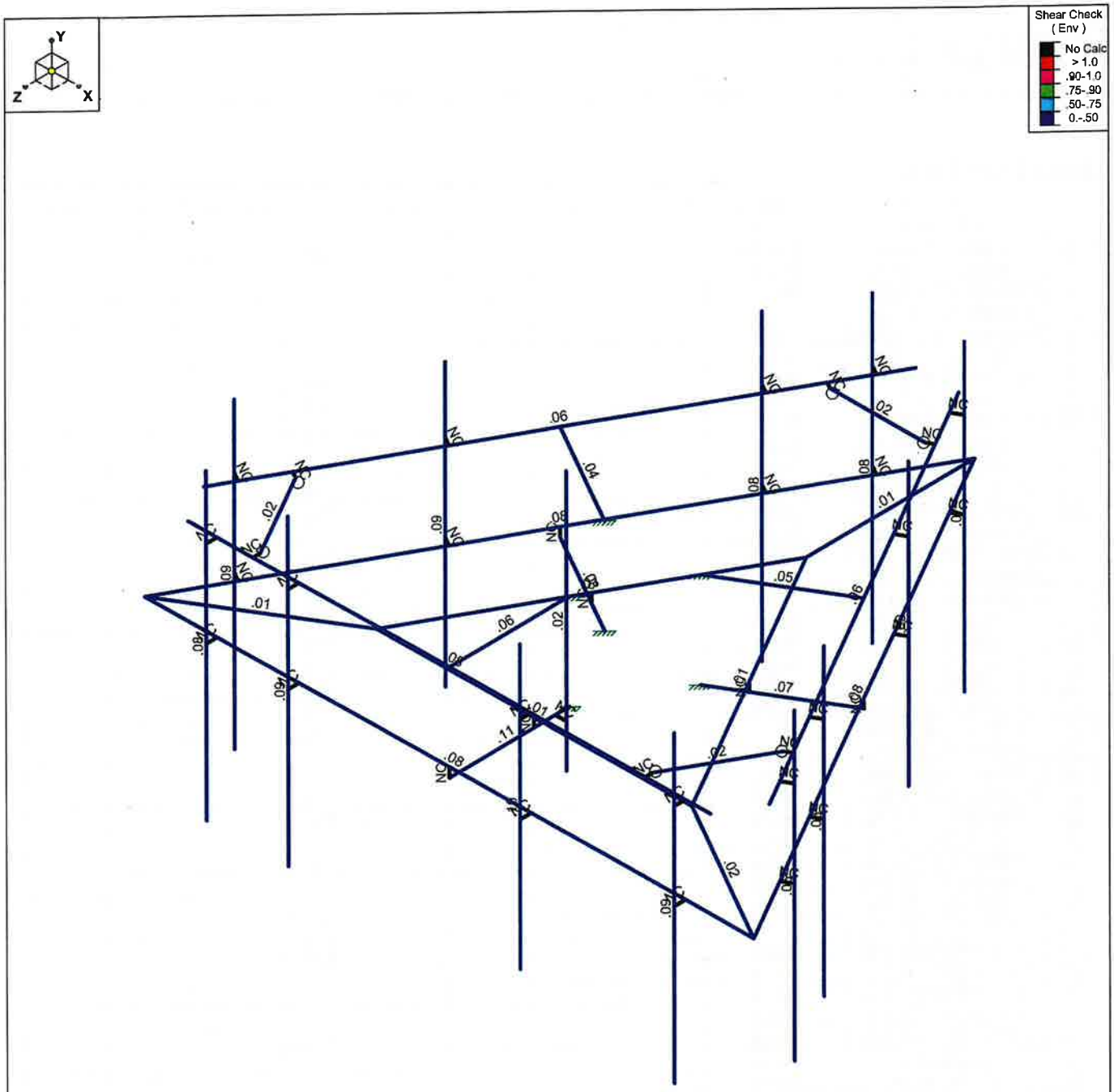

Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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		5000382994-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					114			
2	Antenna Di	None					114			
3	Antenna Wo (0 Deg)	None					114			
4	Antenna Wo (30 Deg)	None					114			
5	Antenna Wo (60 Deg)	None					114			
6	Antenna Wo (90 Deg)	None					114			
7	Antenna Wo (120 Deg)	None					114			
8	Antenna Wo (150 Deg)	None					114			
9	Antenna Wo (180 Deg)	None					114			
10	Antenna Wo (210 Deg)	None					114			
11	Antenna Wo (240 Deg)	None					114			
12	Antenna Wo (270 Deg)	None					114			
13	Antenna Wo (300 Deg)	None					114			
14	Antenna Wo (330 Deg)	None					114			
15	Antenna Wi (0 Deg)	None					114			
16	Antenna Wi (30 Deg)	None					114			
17	Antenna Wi (60 Deg)	None					114			
18	Antenna Wi (90 Deg)	None					114			
19	Antenna Wi (120 Deg)	None					114			
20	Antenna Wi (150 Deg)	None					114			
21	Antenna Wi (180 Deg)	None					114			
22	Antenna Wi (210 Deg)	None					114			
23	Antenna Wi (240 Deg)	None					114			
24	Antenna Wi (270 Deg)	None					114			
25	Antenna Wi (300 Deg)	None					114			
26	Antenna Wi (330 Deg)	None					114			
27	Antenna Wm (0 Deg)	None					114			
28	Antenna Wm (30 Deg)	None					114			
29	Antenna Wm (60 Deg)	None					114			
30	Antenna Wm (90 Deg)	None					114			
31	Antenna Wm (120 Deg)	None					114			
32	Antenna Wm (150 Deg)	None					114			
33	Antenna Wm (180 Deg)	None					114			
34	Antenna Wm (210 Deg)	None					114			
35	Antenna Wm (240 Deg)	None					114			
36	Antenna Wm (270 Deg)	None					114			
37	Antenna Wm (300 Deg)	None					114			
38	Antenna Wm (330 Deg)	None					114			
39	Structure D	None		-1					3	
40	Structure Di	None						40	3	
41	Structure Wo (0 Deg)	None						80		
42	Structure Wo (30 Deg)	None						80		
43	Structure Wo (60 Deg)	None						80		
44	Structure Wo (90 Deg)	None						80		
45	Structure Wo (120 Deg)	None						80		
46	Structure Wo (150 Deg)	None						80		
47	Structure Wo (180 Deg)	None						80		
48	Structure Wo (210 Deg)	None						80		
49	Structure Wo (240 Deg)	None						80		
50	Structure Wo (270 Deg)	None						80		
51	Structure Wo (300 Deg)	None						80		
52	Structure Wo (330 Deg)	None						80		
53	Structure Wi (0 Deg)	None						80		
54	Structure Wi (30 Deg)	None						80		
55	Structure Wi (60 Deg)	None						80		
56	Structure Wi (90 Deg)	None						80		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
57	Structure Wi (120 Deg)	None						80		
58	Structure Wi (150 Deg)	None						80		
59	Structure Wi (180 Deg)	None						80		
60	Structure Wi (210 Deg)	None						80		
61	Structure Wi (240 Deg)	None						80		
62	Structure Wi (270 Deg)	None						80		
63	Structure Wi (300 Deg)	None						80		
64	Structure Wi (330 Deg)	None						80		
65	Structure Wm (0 Deg)	None						80		
66	Structure Wm (30 Deg)	None						80		
67	Structure Wm (60 Deg)	None						80		
68	Structure Wm (90 Deg)	None						80		
69	Structure Wm (120 Deg)	None						80		
70	Structure Wm (150 Deg)	None						80		
71	Structure Wm (180 Deg)	None						80		
72	Structure Wm (210 Deg)	None						80		
73	Structure Wm (240 Deg)	None						80		
74	Structure Wm (270 Deg)	None						80		
75	Structure Wm (300 Deg)	None						80		
76	Structure Wm (330 Deg)	None						80		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					114			
82	Antenna Eh (0 Deg)	None					76			
83	Antenna Eh (90 Deg)	None					76			
84	Structure Ev	ELY		-.048					3	
85	Structure Eh (0 Deg)	ELZ			-.121				3	
86	Structure Eh (90 Deg)	ELX	.121						3	
87	BLC 39 Transient Area L...	None						29		
88	BLC 40 Transient Area L...	None						29		
89	BLC 84 Transient Area L...	None						29		
90	BLC 85 Transient Area L...	None						29		
91	BLC 86 Transient Area L...	None						29		

Load Combinations

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

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
18	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1						
19	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1						
20	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1						
21	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1						
22	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1						
23	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1						
24	1.2D + 1.0Di + 1.0Wi (..	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1						
25	1.2D + 1.5Lm1 + 1.0W..	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 ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX			
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5		
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866		
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1		
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866		
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5		
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX			
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5		
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866		
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1		
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866		
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5		
64	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX			
65	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5		
66	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866		
67	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1		
68	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866		
69	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5		
70	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX			
71	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5		
72	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866		
73	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1		
74	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866		

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
75	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5		

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	-1.938981	0	-1.119471	0	
2	N2	-3.626481	0	-2.09375	0	
3	N3	-1.226869	0	-0.708333	0	
4	N5	-3.751481	0.208333	2.019871	0	
5	N6	-0.126481	0.208333	-4.258814	0	
6	N7	-7.126481	0.208333	3.968428	0	
7	N8	-0.126481	0.208333	-8.155928	0	
8	N9	-1.938981	0.208333	-1.119471	0	
9	N10	-3.626481	0.208333	-2.09375	0	
10	N14	3.498519	0.208333	2.019871	0	
11	N19A	6.873519	0.208333	3.968428	0	
12	CENTERPT	-0.126481	0.069444	-0.073024	0	
13	N13	-0.126481	0	2.019871	0	
14	N14A	-0.126481	0	3.968428	0	
15	N15	-0.126481	0	1.197595	0	
16	N16	-0.126481	0.208333	2.019871	0	
17	N17	-0.126481	0.208333	3.968428	0	
18	N19	1.686019	0	-1.119471	0	
19	N20	3.373519	0	-2.09375	0	
20	N21	0.973907	0	-0.708333	0	
21	N22	1.686019	0.208333	-1.119471	0	
22	N23	3.373519	0.208333	-2.09375	0	
23	N35A	5.290185	0.208333	3.968428	0	
24	N36A	5.290185	0.208333	4.218428	0	
25	N37	5.290185	3.666667	4.218428	0	
26	N38	5.290185	-3.333333	4.218428	0	
27	N39	1.748519	0.208333	3.968428	0	
28	N40	1.748519	0.208333	4.218428	0	
29	N41	1.748519	3.708333	4.218428	0	
30	N42	1.748519	-2.791667	4.218428	0	
31	N43	-3.584815	0.208333	3.968428	0	
32	N44	-3.584815	0.208333	4.218428	0	
33	N45	-3.584815	3.666667	4.218428	0	
34	N46	-3.584815	-3.333333	4.218428	0	
35	N47	-5.459815	0.208333	3.968428	0	
36	N48	-5.459815	0.208333	4.218428	0	
37	N49	-5.459815	3.666667	4.218428	0	
38	N50	-5.459815	-3.333333	4.218428	0	
39	N51	0.665137	0.208333	-6.784701	0	
40	N52	0.881643	0.208333	-6.909701	0	
41	N53	0.881643	3.666667	-6.909701	0	
42	N54	0.881643	-3.333333	-6.909701	0	
43	N55	2.43597	0.208333	-3.717528	0	
44	N56	2.652476	0.208333	-3.842528	0	
45	N57	2.652476	3.708333	-3.842528	0	
46	N58	2.652476	-2.791667	-3.842528	0	
47	N59	5.102637	0.208333	0.901274	0	
48	N60	5.319143	0.208333	0.776274	0	
49	N61	5.319143	3.666667	0.776274	0	
50	N62	5.319143	-3.333333	0.776274	0	
51	N63	6.040137	0.208333	2.525072	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N64	6.256643	0.208333	2.400072	0	
53	N65	6.256643	3.666667	2.400072	0	
54	N66	6.256643	-3.333333	2.400072	0	
55	N67	-6.334822	0.208333	2.597273	0	
56	N68	-6.551328	0.208333	2.472273	0	
57	N69	-6.551328	3.666667	2.472273	0	
58	N70	-6.551328	-3.333333	2.472273	0	
59	N71	-4.563988	0.208333	-0.4699	0	
60	N72	-4.780495	0.208333	-0.5949	0	
61	N73	-4.780495	3.708333	-0.5949	0	
62	N74	-4.780495	-2.791667	-0.5949	0	
63	N75	-1.897322	0.208333	-5.088702	0	
64	N76	-2.113828	0.208333	-5.213702	0	
65	N77	-2.113828	3.666667	-5.213702	0	
66	N78	-2.113828	-3.333333	-5.213702	0	
67	N79	-0.959822	0.208333	-6.7125	0	
68	N80	-1.176328	0.208333	-6.8375	0	
69	N81	-1.176328	3.666667	-6.8375	0	
70	N82	-1.176328	-3.333333	-6.8375	0	
71	N83	5.873519	2.208333	3.968428	0	
72	N84	-6.126481	2.208333	3.968428	0	
73	N85	5.290234	2.208333	3.968408	0	
74	N86	5.290234	2.208333	4.218408	0	
75	N87	1.748567	2.208333	3.968408	0	
76	N88	1.748567	2.208333	4.218408	0	
77	N89	-3.584766	2.208333	3.968408	0	
78	N90	-3.584766	2.208333	4.218408	0	
79	N91	-5.459766	2.208333	3.968408	0	
80	N92	-5.459766	2.208333	4.218408	0	
81	N93	4.373519	2.208333	3.968428	0	
82	N94	-4.626481	2.208333	3.968428	0	
83	N103	4.373519	2.208333	3.801728	0	
84	N104	-4.626481	2.208333	3.801728	0	
85	N98	0.373519	2.208333	-7.289902	0	
86	N99	6.373519	2.208333	3.102402	0	
87	N100	0.665144	2.208333	-6.784753	0	
88	N101	0.88165	2.208333	-6.909753	0	
89	N102	2.435977	2.208333	-3.71758	0	
90	N103A	2.652483	2.208333	-3.84258	0	
91	N104A	5.102644	2.208333	0.901222	0	
92	N105	5.31915	2.208333	0.776222	0	
93	N106	6.040144	2.208333	2.52502	0	
94	N107	6.25665	2.208333	2.40002	0	
95	N108	1.123519	2.208333	-5.990864	0	
96	N109	5.623519	2.208333	1.803364	0	
97	N110	0.979152	2.208333	-5.907514	0	
98	N111	5.479152	2.208333	1.886714	0	
99	N113	-6.626481	2.208333	3.102402	0	
100	N114	-0.626481	2.208333	-7.289902	0	
101	N115	-6.334822	2.208333	2.597273	0	
102	N116	-6.551328	2.208333	2.472273	0	
103	N117	-4.563988	2.208333	-0.4699	0	
104	N118	-4.780495	2.208333	-0.5949	0	
105	N119	-1.897322	2.208333	-5.088702	0	
106	N120	-2.113828	2.208333	-5.213702	0	
107	N121	-0.959822	2.208333	-6.7125	0	
108	N122	-1.176328	2.208333	-6.8375	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N123	-5.876481	2.208333	1.803364	0	
110	N124	-1.376481	2.208333	-5.990864	0	
111	N125	-5.732115	2.208333	1.886714	0	
112	N126	-1.232115	2.208333	-5.907514	0	
113	N125A	-3.626481	2.20833	-2.09375	0	
114	N126A	-1.226869	2.20833	-0.708333	0	
115	N127	-0.126481	2.20833	3.968428	0	
116	N128	-0.126481	2.20833	1.197595	0	
117	N129	3.373519	2.20833	-2.09375	0	
118	N130	0.973907	2.20833	-0.708333	0	
119	N119A	-0.126481	0	1.519871	0	
120	N120A	0.123519	0	1.519871	0	
121	N121A	0.123519	5	1.519871	0	
122	N122A	0.123519	-1	1.519871	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Inner Face Horizont...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	Face Horizontal	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Standoff Horizontal	HSS4X4X5	Beam	SquareTube	A500 Gr. B ...	Typical	4.1	9.14	9.14	15.3
5	Platform Connectio...	LL3x3x4x0	Beam	Single Angle	A36 Gr.36	Typical	2.88	4.5	2.46	.063
6	Proposed Support	PIPE_2.5	Beam	Single Angle	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
7	Proposed Support ...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Proposed Standoff ...	HSS3X3X4	Beam	Single Angle	A500 Gr. B ...	Typical	2.44	3.02	3.02	5.08

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
2	M2	N5	N6		270	Inner Face Hor...	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N7	N8			Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N1	N9		60	RIGID	None	None	RIGID	Typical
5	M5	N2	N10		60	RIGID	None	None	RIGID	Typical
6	M7	N14	N6		270	Inner Face Hor...	Beam	Single Angle	A36 Gr.36	Typical
7	M9	N14	N5		270	Inner Face Hor...	Beam	Single Angle	A36 Gr.36	Typical
8	M13	N19A	N8		270	Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
9	FACE	N19A	N7			Face Horizontal	Beam	Single Angle	A36 Gr.36	Typical
10	M10	N14	N19A		180	Platform Conn...	Beam	Single Angle	A36 Gr.36	Typical
11	M11	N15	N14A			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
12	M12	N13	N16		60	RIGID	None	None	RIGID	Typical
13	M13A	N14A	N17		60	RIGID	None	None	RIGID	Typical
14	M14	N21	N20			Standoff Horiz...	Beam	SquareTube	A500 Gr. ...	Typical
15	M15	N19	N22		60	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
16	M16	N20	N23		60	RIGID	None	None	RIGID	Typical
17	LIVE2	N35A	N36A			RIGID	None	None	RIGID	Typical
18	MP1A	N37	N38			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
19	LIVE1	N39	N40			RIGID	None	None	RIGID	Typical
20	MP2A	N41	N42			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
21	M27	N43	N44			RIGID	None	None	RIGID	Typical
22	MP3A	N45	N46			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
23	M29	N47	N48			RIGID	None	None	RIGID	Typical
24	MP4A	N49	N50			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
25	M31	N51	N52			RIGID	None	None	RIGID	Typical
26	MP1C	N53	N54			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
27	M33	N55	N56			RIGID	None	None	RIGID	Typical
28	MP2C	N57	N58			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
29	M35	N59	N60			RIGID	None	None	RIGID	Typical
30	MP3C	N61	N62			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
31	M37	N63	N64			RIGID	None	None	RIGID	Typical
32	MP4C	N65	N66			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
33	M39	N67	N68			RIGID	None	None	RIGID	Typical
34	MP1B	N69	N70			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
35	M41	N71	N72			RIGID	None	None	RIGID	Typical
36	MP2B	N73	N74			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
37	M43	N75	N76			RIGID	None	None	RIGID	Typical
38	MP3B	N77	N78			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
39	M45	N79	N80			RIGID	None	None	RIGID	Typical
40	MP4B	N81	N82			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
41	M47	N6	N8		180	Platform Conn...	Beam	Single Angle	A36 Gr.36	Typical
42	M48	N5	N7		180	Platform Conn...	Beam	Single Angle	A36 Gr.36	Typical
43	M49	N83	N84			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
44	M50	N85	N86			RIGID	None	None	RIGID	Typical
45	M51	N87	N88			RIGID	None	None	RIGID	Typical
46	M52	N89	N90			RIGID	None	None	RIGID	Typical
47	M53	N91	N92			RIGID	None	None	RIGID	Typical
48	M56	N94	N104			RIGID	None	None	RIGID	Typical
49	M57	N93	N103			RIGID	None	None	RIGID	Typical
50	M64	N83	N84			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
51	M72	N83	N84			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
52	M58	N98	N99			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
53	M59	N100	N101			RIGID	None	None	RIGID	Typical
54	M60	N102	N103A			RIGID	None	None	RIGID	Typical
55	M61	N104A	N105			RIGID	None	None	RIGID	Typical
56	M62	N106	N107			RIGID	None	None	RIGID	Typical
57	M63	N109	N111			RIGID	None	None	RIGID	Typical
58	M64A	N108	N110			RIGID	None	None	RIGID	Typical
59	M65	N98	N99			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
60	M66	N98	N99			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
61	M67	N113	N114			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
62	M68	N115	N116			RIGID	None	None	RIGID	Typical
63	M69	N117	N118			RIGID	None	None	RIGID	Typical
64	M70	N119	N120			RIGID	None	None	RIGID	Typical
65	M71	N121	N122			RIGID	None	None	RIGID	Typical
66	M72A	N124	N126			RIGID	None	None	RIGID	Typical
67	M73	N123	N125			RIGID	None	None	RIGID	Typical
68	M74	N113	N114			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
69	M75	N113	N114			Proposed Sup...	Beam	Single Angle	A53 Gr. B	Typical
70	M76	N125	N104		180	Proposed Sup...	Beam	Single Angle	A36 Gr.36	Typical
71	M77	N103	N111		180	Proposed Sup...	Beam	Single Angle	A36 Gr.36	Typical
72	M78	N110	N126		180	Proposed Sup...	Beam	Single Angle	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
73	M79	N126A	N125A			Proposed Stan..	Beam	Single Angle	A500 Gr. ...	Typical
74	M80	N128	N127			Proposed Stan..	Beam	Single Angle	A500 Gr. ...	Typical
75	M81	N130	N129			Proposed Stan..	Beam	Single Angle	A500 Gr. ...	Typical
76	M76A	N119A	N120A			RIGID	None	None	RIGID	Typical
77	OVP	N121A	N122A			Antenna Pipe	Beam	Pipe	A53 Gr. B	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	M3						Yes				None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M7						Yes				None
7	M9						Yes				None
8	M13						Yes				None
9	FACE						Yes				None
10	M10						Yes				None
11	M11						Yes				None
12	M12						Yes	** NA **			None
13	M13A						Yes	** NA **			None
14	M14						Yes				None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	LIVE2						Yes	** NA **			None
18	MP1A						Yes				None
19	LIVE1						Yes	** NA **			None
20	MP2A						Yes				None
21	M27						Yes	** NA **			None
22	MP3A						Yes				None
23	M29						Yes	** NA **			None
24	MP4A						Yes				None
25	M31						Yes	** NA **			None
26	MP1C						Yes				None
27	M33						Yes	** NA **			None
28	MP2C						Yes				None
29	M35						Yes	** NA **			None
30	MP3C						Yes				None
31	M37						Yes	** NA **			None
32	MP4C						Yes				None
33	M39						Yes	** NA **			None
34	MP1B						Yes				None
35	M41						Yes	** NA **			None
36	MP2B						Yes				None
37	M43						Yes	** NA **			None
38	MP3B						Yes				None
39	M45						Yes	** NA **			None
40	MP4B						Yes				None
41	M47						Yes				None
42	M48						Yes				None
43	M49						Yes				None
44	M50						Yes	** NA **			None
45	M51						Yes	** NA **			None
46	M52						Yes	** NA **			None
47	M53						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
48	M56	OOOOOX					Yes	** NA **			None
49	M57	OOOOOX					Yes	** NA **			None
50	M64						Yes				None
51	M72						Yes				None
52	M58						Yes				None
53	M59						Yes	** NA **			None
54	M60						Yes	** NA **			None
55	M61						Yes	** NA **			None
56	M62						Yes	** NA **			None
57	M63	OOOOOX					Yes	** NA **			None
58	M64A	OOOOOX					Yes	** NA **			None
59	M65						Yes				None
60	M66						Yes				None
61	M67						Yes				None
62	M68						Yes	** NA **			None
63	M69						Yes	** NA **			None
64	M70						Yes	** NA **			None
65	M71						Yes	** NA **			None
66	M72A	OOOOOX					Yes	** NA **			None
67	M73	OOOOOX					Yes	** NA **			None
68	M74						Yes				None
69	M75						Yes				None
70	M76						Yes				None
71	M77						Yes				None
72	M78						Yes				None
73	M79						Yes				None
74	M80						Yes				None
75	M81						Yes				None
76	M76A						Yes	** NA **			None
77	OVP						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-34.5	.5
2	MP2A	My	-.017	.5
3	MP2A	Mz	-.02	.5
4	MP2A	Y	-34.5	4.5
5	MP2A	My	-.017	4.5
6	MP2A	Mz	-.02	4.5
7	MP2B	Y	-34.5	.5
8	MP2B	My	.026	.5
9	MP2B	Mz	.004	.5
10	MP2B	Y	-34.5	4.5
11	MP2B	My	.026	4.5
12	MP2B	Mz	.004	4.5
13	MP2C	Y	-34.5	.5
14	MP2C	My	-.017	.5
15	MP2C	Mz	.02	.5
16	MP2C	Y	-34.5	4.5
17	MP2C	My	-.017	4.5
18	MP2C	Mz	.02	4.5
19	MP2A	Y	-34.5	.5
20	MP2A	My	-.017	.5
21	MP2A	Mz	.02	.5
22	MP2A	Y	-34.5	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	My	-.017	4.5
24	MP2A	Mz	.02	4.5
25	MP2B	Y	-34.5	.5
26	MP2B	My	.000278	.5
27	MP2B	Mz	-.027	.5
28	MP2B	Y	-34.5	4.5
29	MP2B	My	.000278	4.5
30	MP2B	Mz	-.027	4.5
31	MP2C	Y	-34.5	.5
32	MP2C	My	.023	.5
33	MP2C	Mz	.013	.5
34	MP2C	Y	-34.5	4.5
35	MP2C	My	.023	4.5
36	MP2C	Mz	.013	4.5
37	MP3A	Y	-43.55	.5
38	MP3A	My	-.022	.5
39	MP3A	Mz	0	.5
40	MP3A	Y	-43.55	2.5
41	MP3A	My	-.022	2.5
42	MP3A	Mz	0	2.5
43	MP3B	Y	-43.55	.5
44	MP3B	My	.017	.5
45	MP3B	Mz	-.014	.5
46	MP3B	Y	-43.55	2.5
47	MP3B	My	.017	2.5
48	MP3B	Mz	-.014	2.5
49	MP3C	Y	-43.55	.5
50	MP3C	My	.004	.5
51	MP3C	Mz	.021	.5
52	MP3C	Y	-43.55	2.5
53	MP3C	My	.004	2.5
54	MP3C	Mz	.021	2.5
55	MP2A	Y	-84.4	.5
56	MP2A	My	.042	.5
57	MP2A	Mz	0	.5
58	MP2B	Y	-84.4	.5
59	MP2B	My	.042	.5
60	MP2B	Mz	0	.5
61	MP2C	Y	-84.4	.5
62	MP2C	My	.042	.5
63	MP2C	Mz	0	.5
64	MP1A	Y	-70.3	.5
65	MP1A	My	.035	.5
66	MP1A	Mz	0	.5
67	MP1B	Y	-70.3	.5
68	MP1B	My	.035	.5
69	MP1B	Mz	0	.5
70	MP1C	Y	-70.3	.5
71	MP1C	My	.035	.5
72	MP1C	Mz	0	.5
73	OVP	Y	-32	1.5
74	OVP	My	0	1.5
75	OVP	Mz	0	1.5
76	MP1A	Y	-13.5	.5
77	MP1A	My	-.007	.5
78	MP1A	Mz	0	.5
79	MP1A	Y	-13.5	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	My	-.007	4.5
81	MP1A	Mz	0	4.5
82	MP4A	Y	-13.5	.5
83	MP4A	My	-.007	.5
84	MP4A	Mz	0	.5
85	MP4A	Y	-13.5	4.5
86	MP4A	My	-.007	4.5
87	MP4A	Mz	0	4.5
88	MP1B	Y	-10.5	.5
89	MP1B	My	.004	.5
90	MP1B	Mz	-.003	.5
91	MP1B	Y	-10.5	4.5
92	MP1B	My	.004	4.5
93	MP1B	Mz	-.003	4.5
94	MP4B	Y	-10.5	.5
95	MP4B	My	.004	.5
96	MP4B	Mz	-.003	.5
97	MP4B	Y	-10.5	4.5
98	MP4B	My	.004	4.5
99	MP4B	Mz	-.003	4.5
100	MP1C	Y	-6	.5
101	MP1C	My	.000521	.5
102	MP1C	Mz	.003	.5
103	MP1C	Y	-6	4.5
104	MP1C	My	.000521	4.5
105	MP1C	Mz	.003	4.5
106	MP4C	Y	-6	.5
107	MP4C	My	.000521	.5
108	MP4C	Mz	.003	.5
109	MP4C	Y	-6	4.5
110	MP4C	My	.000521	4.5
111	MP4C	Mz	.003	4.5
112	MP2A	Y	-17.6	2.5
113	MP2A	My	.009	2.5
114	MP2A	Mz	0	2.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-72.536	.5
2	MP2A	My	-.036	.5
3	MP2A	Mz	-.042	.5
4	MP2A	Y	-72.536	4.5
5	MP2A	My	-.036	4.5
6	MP2A	Mz	-.042	4.5
7	MP2B	Y	-72.536	.5
8	MP2B	My	.055	.5
9	MP2B	Mz	.009	.5
10	MP2B	Y	-72.536	4.5
11	MP2B	My	.055	4.5
12	MP2B	Mz	.009	4.5
13	MP2C	Y	-72.536	.5
14	MP2C	My	-.035	.5
15	MP2C	Mz	.043	.5
16	MP2C	Y	-72.536	4.5
17	MP2C	My	-.035	4.5
18	MP2C	Mz	.043	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	Y	-72.536	.5
20	MP2A	My	-.036	.5
21	MP2A	Mz	.042	.5
22	MP2A	Y	-72.536	4.5
23	MP2A	My	-.036	4.5
24	MP2A	Mz	.042	4.5
25	MP2B	Y	-72.536	.5
26	MP2B	My	.000585	.5
27	MP2B	Mz	-.056	.5
28	MP2B	Y	-72.536	4.5
29	MP2B	My	.000585	4.5
30	MP2B	Mz	-.056	4.5
31	MP2C	Y	-72.536	.5
32	MP2C	My	.048	.5
33	MP2C	Mz	.028	.5
34	MP2C	Y	-72.536	4.5
35	MP2C	My	.048	4.5
36	MP2C	Mz	.028	4.5
37	MP3A	Y	-35.664	.5
38	MP3A	My	-.018	.5
39	MP3A	Mz	0	.5
40	MP3A	Y	-35.664	2.5
41	MP3A	My	-.018	2.5
42	MP3A	Mz	0	2.5
43	MP3B	Y	-35.664	.5
44	MP3B	My	.014	.5
45	MP3B	Mz	-.011	.5
46	MP3B	Y	-35.664	2.5
47	MP3B	My	.014	2.5
48	MP3B	Mz	-.011	2.5
49	MP3C	Y	-35.664	.5
50	MP3C	My	.003	.5
51	MP3C	Mz	.018	.5
52	MP3C	Y	-35.664	2.5
53	MP3C	My	.003	2.5
54	MP3C	Mz	.018	2.5
55	MP2A	Y	-44.965	.5
56	MP2A	My	.022	.5
57	MP2A	Mz	0	.5
58	MP2B	Y	-44.965	.5
59	MP2B	My	.022	.5
60	MP2B	Mz	0	.5
61	MP2C	Y	-44.965	.5
62	MP2C	My	.022	.5
63	MP2C	Mz	0	.5
64	MP1A	Y	-40.438	.5
65	MP1A	My	.02	.5
66	MP1A	Mz	0	.5
67	MP1B	Y	-40.438	.5
68	MP1B	My	.02	.5
69	MP1B	Mz	0	.5
70	MP1C	Y	-40.438	.5
71	MP1C	My	.02	.5
72	MP1C	Mz	0	.5
73	OVP	Y	-76.057	1.5
74	OVP	My	0	1.5
75	OVP	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1A	Y	-88.795	.5
77	MP1A	My	-.044	.5
78	MP1A	Mz	0	.5
79	MP1A	Y	-88.795	4.5
80	MP1A	My	-.044	4.5
81	MP1A	Mz	0	4.5
82	MP4A	Y	-88.795	.5
83	MP4A	My	-.044	.5
84	MP4A	Mz	0	.5
85	MP4A	Y	-88.795	4.5
86	MP4A	My	-.044	4.5
87	MP4A	Mz	0	4.5
88	MP1B	Y	-58.56	.5
89	MP1B	My	.022	.5
90	MP1B	Mz	-.019	.5
91	MP1B	Y	-58.56	4.5
92	MP1B	My	.022	4.5
93	MP1B	Mz	-.019	4.5
94	MP4B	Y	-58.56	.5
95	MP4B	My	.022	.5
96	MP4B	Mz	-.019	.5
97	MP4B	Y	-58.56	4.5
98	MP4B	My	.022	4.5
99	MP4B	Mz	-.019	4.5
100	MP1C	Y	-40.354	.5
101	MP1C	My	.004	.5
102	MP1C	Mz	.02	.5
103	MP1C	Y	-40.354	4.5
104	MP1C	My	.004	4.5
105	MP1C	Mz	.02	4.5
106	MP4C	Y	-40.354	.5
107	MP4C	My	.004	.5
108	MP4C	Mz	.02	.5
109	MP4C	Y	-40.354	4.5
110	MP4C	My	.004	4.5
111	MP4C	Mz	.02	4.5
112	MP2A	Y	-17.304	2.5
113	MP2A	My	.009	2.5
114	MP2A	Mz	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-53.788	.5
3	MP2A	Mx	.031	.5
4	MP2A	X	0	4.5
5	MP2A	Z	-53.788	4.5
6	MP2A	Mx	.031	4.5
7	MP2B	X	0	.5
8	MP2B	Z	-59.54	.5
9	MP2B	Mx	-.007	.5
10	MP2B	X	0	4.5
11	MP2B	Z	-59.54	4.5
12	MP2B	Mx	-.007	4.5
13	MP2C	X	0	.5
14	MP2C	Z	-67.289	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP2C	Mx	-.04	.5
16	MP2C	X	0	4.5
17	MP2C	Z	-67.289	4.5
18	MP2C	Mx	-.04	4.5
19	MP2A	X	0	.5
20	MP2A	Z	-53.788	.5
21	MP2A	Mx	-.031	.5
22	MP2A	X	0	4.5
23	MP2A	Z	-53.788	4.5
24	MP2A	Mx	-.031	4.5
25	MP2B	X	0	.5
26	MP2B	Z	-59.54	.5
27	MP2B	Mx	.046	.5
28	MP2B	X	0	4.5
29	MP2B	Z	-59.54	4.5
30	MP2B	Mx	.046	4.5
31	MP2C	X	0	.5
32	MP2C	Z	-67.289	.5
33	MP2C	Mx	-.026	.5
34	MP2C	X	0	4.5
35	MP2C	Z	-67.289	4.5
36	MP2C	Mx	-.026	4.5
37	MP3A	X	0	.5
38	MP3A	Z	-99.138	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2.5
41	MP3A	Z	-99.138	2.5
42	MP3A	Mx	0	2.5
43	MP3B	X	0	.5
44	MP3B	Z	-74.213	.5
45	MP3B	Mx	.024	.5
46	MP3B	X	0	2.5
47	MP3B	Z	-74.213	2.5
48	MP3B	Mx	.024	2.5
49	MP3C	X	0	.5
50	MP3C	Z	-40.631	.5
51	MP3C	Mx	-.02	.5
52	MP3C	X	0	2.5
53	MP3C	Z	-40.631	2.5
54	MP3C	Mx	-.02	2.5
55	MP2A	X	0	.5
56	MP2A	Z	-65.389	.5
57	MP2A	Mx	0	.5
58	MP2B	X	0	.5
59	MP2B	Z	-65.389	.5
60	MP2B	Mx	0	.5
61	MP2C	X	0	.5
62	MP2C	Z	-65.389	.5
63	MP2C	Mx	0	.5
64	MP1A	X	0	.5
65	MP1A	Z	-65.389	.5
66	MP1A	Mx	0	.5
67	MP1B	X	0	.5
68	MP1B	Z	-65.389	.5
69	MP1B	Mx	0	.5
70	MP1C	X	0	.5
71	MP1C	Z	-65.389	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mx	0	.5
73	OVP	X	0	1.5
74	OVP	Z	-132.764	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	0	.5
77	MP1A	Z	-202.495	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	4.5
80	MP1A	Z	-202.495	4.5
81	MP1A	Mx	0	4.5
82	MP4A	X	0	.5
83	MP4A	Z	-202.495	.5
84	MP4A	Mx	0	.5
85	MP4A	X	0	4.5
86	MP4A	Z	-202.495	4.5
87	MP4A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	-128.795	.5
90	MP1B	Mx	.041	.5
91	MP1B	X	0	4.5
92	MP1B	Z	-128.795	4.5
93	MP1B	Mx	.041	4.5
94	MP4B	X	0	.5
95	MP4B	Z	-128.795	.5
96	MP4B	Mx	.041	.5
97	MP4B	X	0	4.5
98	MP4B	Z	-128.795	4.5
99	MP4B	Mx	.041	4.5
100	MP1C	X	0	.5
101	MP1C	Z	-112.106	.5
102	MP1C	Mx	-.055	.5
103	MP1C	X	0	4.5
104	MP1C	Z	-112.106	4.5
105	MP1C	Mx	-.055	4.5
106	MP4C	X	0	.5
107	MP4C	Z	-112.106	.5
108	MP4C	Mx	-.055	.5
109	MP4C	X	0	4.5
110	MP4C	Z	-112.106	4.5
111	MP4C	Mx	-.055	4.5
112	MP2A	X	0	2.5
113	MP2A	Z	-40.221	2.5
114	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	28.634	.5
2	MP2A	Z	-49.596	.5
3	MP2A	Mx	.015	.5
4	MP2A	X	28.634	4.5
5	MP2A	Z	-49.596	4.5
6	MP2A	Mx	.015	4.5
7	MP2B	X	33.04	.5
8	MP2B	Z	-57.228	.5
9	MP2B	Mx	.018	.5
10	MP2B	X	33.04	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-57.228	4.5
12	MP2B	Mx	.018	4.5
13	MP2C	X	30.979	.5
14	MP2C	Z	-53.656	.5
15	MP2C	Mx	-.047	.5
16	MP2C	X	30.979	4.5
17	MP2C	Z	-53.656	4.5
18	MP2C	Mx	-.047	4.5
19	MP2A	X	28.634	.5
20	MP2A	Z	-49.596	.5
21	MP2A	Mx	-.043	.5
22	MP2A	X	28.634	4.5
23	MP2A	Z	-49.596	4.5
24	MP2A	Mx	-.043	4.5
25	MP2B	X	33.04	.5
26	MP2B	Z	-57.228	.5
27	MP2B	Mx	.044	.5
28	MP2B	X	33.04	4.5
29	MP2B	Z	-57.228	4.5
30	MP2B	Mx	.044	4.5
31	MP2C	X	30.979	.5
32	MP2C	Z	-53.656	.5
33	MP2C	Mx	-.000499	.5
34	MP2C	X	30.979	4.5
35	MP2C	Z	-53.656	4.5
36	MP2C	Mx	-.000499	4.5
37	MP3A	X	42.028	.5
38	MP3A	Z	-72.795	.5
39	MP3A	Mx	-.021	.5
40	MP3A	X	42.028	2.5
41	MP3A	Z	-72.795	2.5
42	MP3A	Mx	-.021	2.5
43	MP3B	X	22.935	.5
44	MP3B	Z	-39.724	.5
45	MP3B	Mx	.022	.5
46	MP3B	X	22.935	2.5
47	MP3B	Z	-39.724	2.5
48	MP3B	Mx	.022	2.5
49	MP3C	X	31.869	.5
50	MP3C	Z	-55.198	.5
51	MP3C	Mx	-.024	.5
52	MP3C	X	31.869	2.5
53	MP3C	Z	-55.198	2.5
54	MP3C	Mx	-.024	2.5
55	MP2A	X	30.005	.5
56	MP2A	Z	-51.97	.5
57	MP2A	Mx	.015	.5
58	MP2B	X	30.005	.5
59	MP2B	Z	-51.97	.5
60	MP2B	Mx	.015	.5
61	MP2C	X	30.005	.5
62	MP2C	Z	-51.97	.5
63	MP2C	Mx	.015	.5
64	MP1A	X	29.003	.5
65	MP1A	Z	-50.235	.5
66	MP1A	Mx	.015	.5
67	MP1B	X	29.003	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1B	Z	-50.235	.5
69	MP1B	Mx	.015	.5
70	MP1C	X	29.003	.5
71	MP1C	Z	-50.235	.5
72	MP1C	Mx	.015	.5
73	OVP	X	60.242	1.5
74	OVP	Z	-104.342	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	98.544	.5
77	MP1A	Z	-170.683	.5
78	MP1A	Mx	-.049	.5
79	MP1A	X	98.544	4.5
80	MP1A	Z	-170.683	4.5
81	MP1A	Mx	-.049	4.5
82	MP4A	X	98.544	.5
83	MP4A	Z	-170.683	.5
84	MP4A	Mx	-.049	.5
85	MP4A	X	98.544	4.5
86	MP4A	Z	-170.683	4.5
87	MP4A	Mx	-.049	4.5
88	MP1B	X	85.697	.5
89	MP1B	Z	-148.431	.5
90	MP1B	Mx	.081	.5
91	MP1B	X	85.697	4.5
92	MP1B	Z	-148.431	4.5
93	MP1B	Mx	.081	4.5
94	MP4B	X	85.697	.5
95	MP4B	Z	-148.431	.5
96	MP4B	Mx	.081	.5
97	MP4B	X	85.697	4.5
98	MP4B	Z	-148.431	4.5
99	MP4B	Mx	.081	4.5
100	MP1C	X	44.787	.5
101	MP1C	Z	-77.573	.5
102	MP1C	Mx	-.034	.5
103	MP1C	X	44.787	4.5
104	MP1C	Z	-77.573	4.5
105	MP1C	Mx	-.034	4.5
106	MP4C	X	44.787	.5
107	MP4C	Z	-77.573	.5
108	MP4C	Mx	-.034	.5
109	MP4C	X	44.787	4.5
110	MP4C	Z	-77.573	4.5
111	MP4C	Mx	-.034	4.5
112	MP2A	X	16.608	2.5
113	MP2A	Z	-28.766	2.5
114	MP2A	Mx	.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	55.624	.5
2	MP2A	Z	-32.114	.5
3	MP2A	Mx	-.009	.5
4	MP2A	X	55.624	4.5
5	MP2A	Z	-32.114	4.5
6	MP2A	Mx	-.009	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	58.274	.5
8	MP2B	Z	-33.645	.5
9	MP2B	Mx	.04	.5
10	MP2B	X	58.274	4.5
11	MP2B	Z	-33.645	4.5
12	MP2B	Mx	.04	4.5
13	MP2C	X	47.992	.5
14	MP2C	Z	-27.708	.5
15	MP2C	Mx	-.04	.5
16	MP2C	X	47.992	4.5
17	MP2C	Z	-27.708	4.5
18	MP2C	Mx	-.04	4.5
19	MP2A	X	55.624	.5
20	MP2A	Z	-32.114	.5
21	MP2A	Mx	-.047	.5
22	MP2A	X	55.624	4.5
23	MP2A	Z	-32.114	4.5
24	MP2A	Mx	-.047	4.5
25	MP2B	X	58.274	.5
26	MP2B	Z	-33.645	.5
27	MP2B	Mx	.026	.5
28	MP2B	X	58.274	4.5
29	MP2B	Z	-33.645	4.5
30	MP2B	Mx	.026	4.5
31	MP2C	X	47.992	.5
32	MP2C	Z	-27.708	.5
33	MP2C	Mx	.021	.5
34	MP2C	X	47.992	4.5
35	MP2C	Z	-27.708	4.5
36	MP2C	Mx	.021	4.5
37	MP3A	X	46.673	.5
38	MP3A	Z	-26.947	.5
39	MP3A	Mx	-.023	.5
40	MP3A	X	46.673	2.5
41	MP3A	Z	-26.947	2.5
42	MP3A	Mx	-.023	2.5
43	MP3B	X	35.188	.5
44	MP3B	Z	-20.316	.5
45	MP3B	Mx	.02	.5
46	MP3B	X	35.188	2.5
47	MP3B	Z	-20.316	2.5
48	MP3B	Mx	.02	2.5
49	MP3C	X	79.745	.5
50	MP3C	Z	-46.041	.5
51	MP3C	Mx	-.016	.5
52	MP3C	X	79.745	2.5
53	MP3C	Z	-46.041	2.5
54	MP3C	Mx	-.016	2.5
55	MP2A	X	42.654	.5
56	MP2A	Z	-24.626	.5
57	MP2A	Mx	.021	.5
58	MP2B	X	42.654	.5
59	MP2B	Z	-24.626	.5
60	MP2B	Mx	.021	.5
61	MP2C	X	42.654	.5
62	MP2C	Z	-24.626	.5
63	MP2C	Mx	.021	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP1A	X	37.448	.5
65	MP1A	Z	-21.621	.5
66	MP1A	Mx	.019	.5
67	MP1B	X	37.448	.5
68	MP1B	Z	-21.621	.5
69	MP1B	Mx	.019	.5
70	MP1C	X	37.448	.5
71	MP1C	Z	-21.621	.5
72	MP1C	Mx	.019	.5
73	OVP	X	91.296	1.5
74	OVP	Z	-52.71	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	161.319	.5
77	MP1A	Z	-93.138	.5
78	MP1A	Mx	-.081	.5
79	MP1A	X	161.319	4.5
80	MP1A	Z	-93.138	4.5
81	MP1A	Mx	-.081	4.5
82	MP4A	X	161.319	.5
83	MP4A	Z	-93.138	.5
84	MP4A	Mx	-.081	.5
85	MP4A	X	161.319	4.5
86	MP4A	Z	-93.138	4.5
87	MP4A	Mx	-.081	4.5
88	MP1B	X	155.249	.5
89	MP1B	Z	-89.633	.5
90	MP1B	Mx	.088	.5
91	MP1B	X	155.249	4.5
92	MP1B	Z	-89.633	4.5
93	MP1B	Mx	.088	4.5
94	MP4B	X	155.249	.5
95	MP4B	Z	-89.633	.5
96	MP4B	Mx	.088	.5
97	MP4B	X	155.249	4.5
98	MP4B	Z	-89.633	4.5
99	MP4B	Mx	.088	4.5
100	MP1C	X	53.637	.5
101	MP1C	Z	-30.967	.5
102	MP1C	Mx	-.011	.5
103	MP1C	X	53.637	4.5
104	MP1C	Z	-30.967	4.5
105	MP1C	Mx	-.011	4.5
106	MP4C	X	53.637	.5
107	MP4C	Z	-30.967	.5
108	MP4C	Mx	-.011	.5
109	MP4C	X	53.637	4.5
110	MP4C	Z	-30.967	4.5
111	MP4C	Mx	-.011	4.5
112	MP2A	X	16.632	2.5
113	MP2A	Z	-9.602	2.5
114	MP2A	Mx	.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	67.709	.5
2	MP2A	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.034	.5
4	MP2A	X	67.709	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	-.034	4.5
7	MP2B	X	61.957	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.047	.5
10	MP2B	X	61.957	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	.047	4.5
13	MP2C	X	54.207	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.026	.5
16	MP2C	X	54.207	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	-.026	4.5
19	MP2A	X	67.709	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.034	.5
22	MP2A	X	67.709	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	-.034	4.5
25	MP2B	X	61.957	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.0005	.5
28	MP2B	X	61.957	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	.0005	4.5
31	MP2C	X	54.207	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.036	.5
34	MP2C	X	54.207	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	.036	4.5
37	MP3A	X	38.812	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	-.019	.5
40	MP3A	X	38.812	2.5
41	MP3A	Z	0	2.5
42	MP3A	Mx	-.019	2.5
43	MP3B	X	63.737	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	.024	.5
46	MP3B	X	63.737	2.5
47	MP3B	Z	0	2.5
48	MP3B	Mx	.024	2.5
49	MP3C	X	97.319	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	.008	.5
52	MP3C	X	97.319	2.5
53	MP3C	Z	0	2.5
54	MP3C	Mx	.008	2.5
55	MP2A	X	43.874	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.022	.5
58	MP2B	X	43.874	.5
59	MP2B	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	.022	.5
61	MP2C	X	43.874	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.022	.5
64	MP1A	X	35.858	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	.018	.5
67	MP1B	X	35.858	.5
68	MP1B	Z	0	.5
69	MP1B	Mx	.018	.5
70	MP1C	X	35.858	.5
71	MP1C	Z	0	.5
72	MP1C	Mx	.018	.5
73	OVP	X	102.636	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	180.869	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.09	.5
79	MP1A	X	180.869	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-.09	4.5
82	MP4A	X	180.869	.5
83	MP4A	Z	0	.5
84	MP4A	Mx	-.09	.5
85	MP4A	X	180.869	4.5
86	MP4A	Z	0	4.5
87	MP4A	Mx	-.09	4.5
88	MP1B	X	144.539	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	.055	.5
91	MP1B	X	144.539	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	.055	4.5
94	MP4B	X	144.539	.5
95	MP4B	Z	0	.5
96	MP4B	Mx	.055	.5
97	MP4B	X	144.539	4.5
98	MP4B	Z	0	4.5
99	MP4B	Mx	.055	4.5
100	MP1C	X	56.827	.5
101	MP1C	Z	0	.5
102	MP1C	Mx	.005	.5
103	MP1C	X	56.827	4.5
104	MP1C	Z	0	4.5
105	MP1C	Mx	.005	4.5
106	MP4C	X	56.827	.5
107	MP4C	Z	0	.5
108	MP4C	Mx	.005	.5
109	MP4C	X	56.827	4.5
110	MP4C	Z	0	4.5
111	MP4C	Mx	.005	4.5
112	MP2A	X	12.199	2.5
113	MP2A	Z	0	2.5
114	MP2A	Mx	.006	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	55.624	.5
2	MP2A	Z	32.114	.5
3	MP2A	Mx	-.047	.5
4	MP2A	X	55.624	4.5
5	MP2A	Z	32.114	4.5
6	MP2A	Mx	-.047	4.5
7	MP2B	X	47.992	.5
8	MP2B	Z	27.708	.5
9	MP2B	Mx	.04	.5
10	MP2B	X	47.992	4.5
11	MP2B	Z	27.708	4.5
12	MP2B	Mx	.04	4.5
13	MP2C	X	51.563	.5
14	MP2C	Z	29.77	.5
15	MP2C	Mx	-.007	.5
16	MP2C	X	51.563	4.5
17	MP2C	Z	29.77	4.5
18	MP2C	Mx	-.007	4.5
19	MP2A	X	55.624	.5
20	MP2A	Z	32.114	.5
21	MP2A	Mx	-.009	.5
22	MP2A	X	55.624	4.5
23	MP2A	Z	32.114	4.5
24	MP2A	Mx	-.009	4.5
25	MP2B	X	47.992	.5
26	MP2B	Z	27.708	.5
27	MP2B	Mx	-.021	.5
28	MP2B	X	47.992	4.5
29	MP2B	Z	27.708	4.5
30	MP2B	Mx	-.021	4.5
31	MP2C	X	51.563	.5
32	MP2C	Z	29.77	.5
33	MP2C	Mx	.046	.5
34	MP2C	X	51.563	4.5
35	MP2C	Z	29.77	4.5
36	MP2C	Mx	.046	4.5
37	MP3A	X	46.673	.5
38	MP3A	Z	26.947	.5
39	MP3A	Mx	-.023	.5
40	MP3A	X	46.673	2.5
41	MP3A	Z	26.947	2.5
42	MP3A	Mx	-.023	2.5
43	MP3B	X	79.745	.5
44	MP3B	Z	46.041	.5
45	MP3B	Mx	.016	.5
46	MP3B	X	79.745	2.5
47	MP3B	Z	46.041	2.5
48	MP3B	Mx	.016	2.5
49	MP3C	X	64.27	.5
50	MP3C	Z	37.106	.5
51	MP3C	Mx	.024	.5
52	MP3C	X	64.27	2.5
53	MP3C	Z	37.106	2.5
54	MP3C	Mx	.024	2.5
55	MP2A	X	42.654	.5
56	MP2A	Z	24.626	.5
57	MP2A	Mx	.021	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	42.654	.5
59	MP2B	Z	24.626	.5
60	MP2B	Mx	.021	.5
61	MP2C	X	42.654	.5
62	MP2C	Z	24.626	.5
63	MP2C	Mx	.021	.5
64	MP1A	X	37.448	.5
65	MP1A	Z	21.621	.5
66	MP1A	Mx	.019	.5
67	MP1B	X	37.448	.5
68	MP1B	Z	21.621	.5
69	MP1B	Mx	.019	.5
70	MP1C	X	37.448	.5
71	MP1C	Z	21.621	.5
72	MP1C	Mx	.019	.5
73	OVP	X	99.52	1.5
74	OVP	Z	57.458	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	161.319	.5
77	MP1A	Z	93.138	.5
78	MP1A	Mx	-.081	.5
79	MP1A	X	161.319	4.5
80	MP1A	Z	93.138	4.5
81	MP1A	Mx	-.081	4.5
82	MP4A	X	161.319	.5
83	MP4A	Z	93.138	.5
84	MP4A	Mx	-.081	.5
85	MP4A	X	161.319	4.5
86	MP4A	Z	93.138	4.5
87	MP4A	Mx	-.081	4.5
88	MP1B	X	88.282	.5
89	MP1B	Z	50.97	.5
90	MP1B	Mx	.017	.5
91	MP1B	X	88.282	4.5
92	MP1B	Z	50.97	4.5
93	MP1B	Mx	.017	4.5
94	MP4B	X	88.282	.5
95	MP4B	Z	50.97	.5
96	MP4B	Mx	.017	.5
97	MP4B	X	88.282	4.5
98	MP4B	Z	50.97	4.5
99	MP4B	Mx	.017	4.5
100	MP1C	X	68.727	.5
101	MP1C	Z	39.679	.5
102	MP1C	Mx	.026	.5
103	MP1C	X	68.727	4.5
104	MP1C	Z	39.679	4.5
105	MP1C	Mx	.026	4.5
106	MP4C	X	68.727	.5
107	MP4C	Z	39.679	.5
108	MP4C	Mx	.026	.5
109	MP4C	X	68.727	4.5
110	MP4C	Z	39.679	4.5
111	MP4C	Mx	.026	4.5
112	MP2A	X	16.632	2.5
113	MP2A	Z	9.602	2.5
114	MP2A	Mx	.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	28.634	.5
2	MP2A	Z	49.596	.5
3	MP2A	Mx	-.043	.5
4	MP2A	X	28.634	4.5
5	MP2A	Z	49.596	4.5
6	MP2A	Mx	-.043	4.5
7	MP2B	X	27.104	.5
8	MP2B	Z	46.945	.5
9	MP2B	Mx	.026	.5
10	MP2B	X	27.104	4.5
11	MP2B	Z	46.945	4.5
12	MP2B	Mx	.026	4.5
13	MP2C	X	33.04	.5
14	MP2C	Z	57.228	.5
15	MP2C	Mx	.018	.5
16	MP2C	X	33.04	4.5
17	MP2C	Z	57.228	4.5
18	MP2C	Mx	.018	4.5
19	MP2A	X	28.634	.5
20	MP2A	Z	49.596	.5
21	MP2A	Mx	.015	.5
22	MP2A	X	28.634	4.5
23	MP2A	Z	49.596	4.5
24	MP2A	Mx	.015	4.5
25	MP2B	X	27.104	.5
26	MP2B	Z	46.945	.5
27	MP2B	Mx	-.036	.5
28	MP2B	X	27.104	4.5
29	MP2B	Z	46.945	4.5
30	MP2B	Mx	-.036	4.5
31	MP2C	X	33.04	.5
32	MP2C	Z	57.228	.5
33	MP2C	Mx	.044	.5
34	MP2C	X	33.04	4.5
35	MP2C	Z	57.228	4.5
36	MP2C	Mx	.044	4.5
37	MP3A	X	42.028	.5
38	MP3A	Z	72.795	.5
39	MP3A	Mx	-.021	.5
40	MP3A	X	42.028	2.5
41	MP3A	Z	72.795	2.5
42	MP3A	Mx	-.021	2.5
43	MP3B	X	48.66	.5
44	MP3B	Z	84.281	.5
45	MP3B	Mx	-.008	.5
46	MP3B	X	48.66	2.5
47	MP3B	Z	84.281	2.5
48	MP3B	Mx	-.008	2.5
49	MP3C	X	22.935	.5
50	MP3C	Z	39.724	.5
51	MP3C	Mx	.022	.5
52	MP3C	X	22.935	2.5
53	MP3C	Z	39.724	2.5
54	MP3C	Mx	.022	2.5
55	MP2A	X	30.005	.5
56	MP2A	Z	51.97	.5
57	MP2A	Mx	.015	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	30.005	.5
59	MP2B	Z	51.97	.5
60	MP2B	Mx	.015	.5
61	MP2C	X	30.005	.5
62	MP2C	Z	51.97	.5
63	MP2C	Mx	.015	.5
64	MP1A	X	29.003	.5
65	MP1A	Z	50.235	.5
66	MP1A	Mx	.015	.5
67	MP1B	X	29.003	.5
68	MP1B	Z	50.235	.5
69	MP1B	Mx	.015	.5
70	MP1C	X	29.003	.5
71	MP1C	Z	50.235	.5
72	MP1C	Mx	.015	.5
73	OVP	X	64.99	1.5
74	OVP	Z	112.566	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	98.544	.5
77	MP1A	Z	170.683	.5
78	MP1A	Mx	-.049	.5
79	MP1A	X	98.544	4.5
80	MP1A	Z	170.683	4.5
81	MP1A	Mx	-.049	4.5
82	MP4A	X	98.544	.5
83	MP4A	Z	170.683	.5
84	MP4A	Mx	-.049	.5
85	MP4A	X	98.544	4.5
86	MP4A	Z	170.683	4.5
87	MP4A	Mx	-.049	4.5
88	MP1B	X	47.034	.5
89	MP1B	Z	81.465	.5
90	MP1B	Mx	-.008	.5
91	MP1B	X	47.034	4.5
92	MP1B	Z	81.465	4.5
93	MP1B	Mx	-.008	4.5
94	MP4B	X	47.034	.5
95	MP4B	Z	81.465	.5
96	MP4B	Mx	-.008	.5
97	MP4B	X	47.034	4.5
98	MP4B	Z	81.465	4.5
99	MP4B	Mx	-.008	4.5
100	MP1C	X	53.499	.5
101	MP1C	Z	92.663	.5
102	MP1C	Mx	.05	.5
103	MP1C	X	53.499	4.5
104	MP1C	Z	92.663	4.5
105	MP1C	Mx	.05	4.5
106	MP4C	X	53.499	.5
107	MP4C	Z	92.663	.5
108	MP4C	Mx	.05	.5
109	MP4C	X	53.499	4.5
110	MP4C	Z	92.663	4.5
111	MP4C	Mx	.05	4.5
112	MP2A	X	16.608	2.5
113	MP2A	Z	28.766	2.5
114	MP2A	Mx	.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	53.788	.5
3	MP2A	Mx	-.031	.5
4	MP2A	X	0	4.5
5	MP2A	Z	53.788	4.5
6	MP2A	Mx	-.031	4.5
7	MP2B	X	0	.5
8	MP2B	Z	59.54	.5
9	MP2B	Mx	.007	.5
10	MP2B	X	0	4.5
11	MP2B	Z	59.54	4.5
12	MP2B	Mx	.007	4.5
13	MP2C	X	0	.5
14	MP2C	Z	67.289	.5
15	MP2C	Mx	.04	.5
16	MP2C	X	0	4.5
17	MP2C	Z	67.289	4.5
18	MP2C	Mx	.04	4.5
19	MP2A	X	0	.5
20	MP2A	Z	53.788	.5
21	MP2A	Mx	.031	.5
22	MP2A	X	0	4.5
23	MP2A	Z	53.788	4.5
24	MP2A	Mx	.031	4.5
25	MP2B	X	0	.5
26	MP2B	Z	59.54	.5
27	MP2B	Mx	-.046	.5
28	MP2B	X	0	4.5
29	MP2B	Z	59.54	4.5
30	MP2B	Mx	-.046	4.5
31	MP2C	X	0	.5
32	MP2C	Z	67.289	.5
33	MP2C	Mx	.026	.5
34	MP2C	X	0	4.5
35	MP2C	Z	67.289	4.5
36	MP2C	Mx	.026	4.5
37	MP3A	X	0	.5
38	MP3A	Z	99.138	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2.5
41	MP3A	Z	99.138	2.5
42	MP3A	Mx	0	2.5
43	MP3B	X	0	.5
44	MP3B	Z	74.213	.5
45	MP3B	Mx	-.024	.5
46	MP3B	X	0	2.5
47	MP3B	Z	74.213	2.5
48	MP3B	Mx	-.024	2.5
49	MP3C	X	0	.5
50	MP3C	Z	40.631	.5
51	MP3C	Mx	.02	.5
52	MP3C	X	0	2.5
53	MP3C	Z	40.631	2.5
54	MP3C	Mx	.02	2.5
55	MP2A	X	0	.5
56	MP2A	Z	65.389	.5
57	MP2A	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	.5
59	MP2B	Z	65.389	.5
60	MP2B	Mx	0	.5
61	MP2C	X	0	.5
62	MP2C	Z	65.389	.5
63	MP2C	Mx	0	.5
64	MP1A	X	0	.5
65	MP1A	Z	65.389	.5
66	MP1A	Mx	0	.5
67	MP1B	X	0	.5
68	MP1B	Z	65.389	.5
69	MP1B	Mx	0	.5
70	MP1C	X	0	.5
71	MP1C	Z	65.389	.5
72	MP1C	Mx	0	.5
73	OVP	X	0	1.5
74	OVP	Z	132.764	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	0	.5
77	MP1A	Z	202.495	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	4.5
80	MP1A	Z	202.495	4.5
81	MP1A	Mx	0	4.5
82	MP4A	X	0	.5
83	MP4A	Z	202.495	.5
84	MP4A	Mx	0	.5
85	MP4A	X	0	4.5
86	MP4A	Z	202.495	4.5
87	MP4A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	128.795	.5
90	MP1B	Mx	-.041	.5
91	MP1B	X	0	4.5
92	MP1B	Z	128.795	4.5
93	MP1B	Mx	-.041	4.5
94	MP4B	X	0	.5
95	MP4B	Z	128.795	.5
96	MP4B	Mx	-.041	.5
97	MP4B	X	0	4.5
98	MP4B	Z	128.795	4.5
99	MP4B	Mx	-.041	4.5
100	MP1C	X	0	.5
101	MP1C	Z	112.106	.5
102	MP1C	Mx	.055	.5
103	MP1C	X	0	4.5
104	MP1C	Z	112.106	4.5
105	MP1C	Mx	.055	4.5
106	MP4C	X	0	.5
107	MP4C	Z	112.106	.5
108	MP4C	Mx	.055	.5
109	MP4C	X	0	4.5
110	MP4C	Z	112.106	4.5
111	MP4C	Mx	.055	4.5
112	MP2A	X	0	2.5
113	MP2A	Z	40.221	2.5
114	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-28.634	.5
2	MP2A	Z	49.596	.5
3	MP2A	Mx	-.015	.5
4	MP2A	X	-28.634	4.5
5	MP2A	Z	49.596	4.5
6	MP2A	Mx	-.015	4.5
7	MP2B	X	-33.04	.5
8	MP2B	Z	57.228	.5
9	MP2B	Mx	-.018	.5
10	MP2B	X	-33.04	4.5
11	MP2B	Z	57.228	4.5
12	MP2B	Mx	-.018	4.5
13	MP2C	X	-30.979	.5
14	MP2C	Z	53.656	.5
15	MP2C	Mx	.047	.5
16	MP2C	X	-30.979	4.5
17	MP2C	Z	53.656	4.5
18	MP2C	Mx	.047	4.5
19	MP2A	X	-28.634	.5
20	MP2A	Z	49.596	.5
21	MP2A	Mx	.043	.5
22	MP2A	X	-28.634	4.5
23	MP2A	Z	49.596	4.5
24	MP2A	Mx	.043	4.5
25	MP2B	X	-33.04	.5
26	MP2B	Z	57.228	.5
27	MP2B	Mx	-.044	.5
28	MP2B	X	-33.04	4.5
29	MP2B	Z	57.228	4.5
30	MP2B	Mx	-.044	4.5
31	MP2C	X	-30.979	.5
32	MP2C	Z	53.656	.5
33	MP2C	Mx	.000499	.5
34	MP2C	X	-30.979	4.5
35	MP2C	Z	53.656	4.5
36	MP2C	Mx	.000499	4.5
37	MP3A	X	-42.028	.5
38	MP3A	Z	72.795	.5
39	MP3A	Mx	.021	.5
40	MP3A	X	-42.028	2.5
41	MP3A	Z	72.795	2.5
42	MP3A	Mx	.021	2.5
43	MP3B	X	-22.935	.5
44	MP3B	Z	39.724	.5
45	MP3B	Mx	-.022	.5
46	MP3B	X	-22.935	2.5
47	MP3B	Z	39.724	2.5
48	MP3B	Mx	-.022	2.5
49	MP3C	X	-31.869	.5
50	MP3C	Z	55.198	.5
51	MP3C	Mx	.024	.5
52	MP3C	X	-31.869	2.5
53	MP3C	Z	55.198	2.5
54	MP3C	Mx	.024	2.5
55	MP2A	X	-30.005	.5
56	MP2A	Z	51.97	.5
57	MP2A	Mx	-.015	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-30.005	.5
59	MP2B	Z	51.97	.5
60	MP2B	Mx	-.015	.5
61	MP2C	X	-30.005	.5
62	MP2C	Z	51.97	.5
63	MP2C	Mx	-.015	.5
64	MP1A	X	-29.003	.5
65	MP1A	Z	50.235	.5
66	MP1A	Mx	-.015	.5
67	MP1B	X	-29.003	.5
68	MP1B	Z	50.235	.5
69	MP1B	Mx	-.015	.5
70	MP1C	X	-29.003	.5
71	MP1C	Z	50.235	.5
72	MP1C	Mx	-.015	.5
73	OVP	X	-60.242	1.5
74	OVP	Z	104.342	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-98.544	.5
77	MP1A	Z	170.683	.5
78	MP1A	Mx	.049	.5
79	MP1A	X	-98.544	4.5
80	MP1A	Z	170.683	4.5
81	MP1A	Mx	.049	4.5
82	MP4A	X	-98.544	.5
83	MP4A	Z	170.683	.5
84	MP4A	Mx	.049	.5
85	MP4A	X	-98.544	4.5
86	MP4A	Z	170.683	4.5
87	MP4A	Mx	.049	4.5
88	MP1B	X	-85.697	.5
89	MP1B	Z	148.431	.5
90	MP1B	Mx	-.081	.5
91	MP1B	X	-85.697	4.5
92	MP1B	Z	148.431	4.5
93	MP1B	Mx	-.081	4.5
94	MP4B	X	-85.697	.5
95	MP4B	Z	148.431	.5
96	MP4B	Mx	-.081	.5
97	MP4B	X	-85.697	4.5
98	MP4B	Z	148.431	4.5
99	MP4B	Mx	-.081	4.5
100	MP1C	X	-44.787	.5
101	MP1C	Z	77.573	.5
102	MP1C	Mx	.034	.5
103	MP1C	X	-44.787	4.5
104	MP1C	Z	77.573	4.5
105	MP1C	Mx	.034	4.5
106	MP4C	X	-44.787	.5
107	MP4C	Z	77.573	.5
108	MP4C	Mx	.034	.5
109	MP4C	X	-44.787	4.5
110	MP4C	Z	77.573	4.5
111	MP4C	Mx	.034	4.5
112	MP2A	X	-16.608	2.5
113	MP2A	Z	28.766	2.5
114	MP2A	Mx	-.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-55.624	.5
2	MP2A	Z	32.114	.5
3	MP2A	Mx	.009	.5
4	MP2A	X	-55.624	4.5
5	MP2A	Z	32.114	4.5
6	MP2A	Mx	.009	4.5
7	MP2B	X	-58.274	.5
8	MP2B	Z	33.645	.5
9	MP2B	Mx	-.04	.5
10	MP2B	X	-58.274	4.5
11	MP2B	Z	33.645	4.5
12	MP2B	Mx	-.04	4.5
13	MP2C	X	-47.992	.5
14	MP2C	Z	27.708	.5
15	MP2C	Mx	.04	.5
16	MP2C	X	-47.992	4.5
17	MP2C	Z	27.708	4.5
18	MP2C	Mx	.04	4.5
19	MP2A	X	-55.624	.5
20	MP2A	Z	32.114	.5
21	MP2A	Mx	.047	.5
22	MP2A	X	-55.624	4.5
23	MP2A	Z	32.114	4.5
24	MP2A	Mx	.047	4.5
25	MP2B	X	-58.274	.5
26	MP2B	Z	33.645	.5
27	MP2B	Mx	-.026	.5
28	MP2B	X	-58.274	4.5
29	MP2B	Z	33.645	4.5
30	MP2B	Mx	-.026	4.5
31	MP2C	X	-47.992	.5
32	MP2C	Z	27.708	.5
33	MP2C	Mx	-.021	.5
34	MP2C	X	-47.992	4.5
35	MP2C	Z	27.708	4.5
36	MP2C	Mx	-.021	4.5
37	MP3A	X	-46.673	.5
38	MP3A	Z	26.947	.5
39	MP3A	Mx	.023	.5
40	MP3A	X	-46.673	2.5
41	MP3A	Z	26.947	2.5
42	MP3A	Mx	.023	2.5
43	MP3B	X	-35.188	.5
44	MP3B	Z	20.316	.5
45	MP3B	Mx	-.02	.5
46	MP3B	X	-35.188	2.5
47	MP3B	Z	20.316	2.5
48	MP3B	Mx	-.02	2.5
49	MP3C	X	-79.745	.5
50	MP3C	Z	46.041	.5
51	MP3C	Mx	.016	.5
52	MP3C	X	-79.745	2.5
53	MP3C	Z	46.041	2.5
54	MP3C	Mx	.016	2.5
55	MP2A	X	-42.654	.5
56	MP2A	Z	24.626	.5
57	MP2A	Mx	-.021	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-42.654	.5
59	MP2B	Z	24.626	.5
60	MP2B	Mx	-.021	.5
61	MP2C	X	-42.654	.5
62	MP2C	Z	24.626	.5
63	MP2C	Mx	-.021	.5
64	MP1A	X	-37.448	.5
65	MP1A	Z	21.621	.5
66	MP1A	Mx	-.019	.5
67	MP1B	X	-37.448	.5
68	MP1B	Z	21.621	.5
69	MP1B	Mx	-.019	.5
70	MP1C	X	-37.448	.5
71	MP1C	Z	21.621	.5
72	MP1C	Mx	-.019	.5
73	OVP	X	-91.296	1.5
74	OVP	Z	52.71	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-161.319	.5
77	MP1A	Z	93.138	.5
78	MP1A	Mx	.081	.5
79	MP1A	X	-161.319	4.5
80	MP1A	Z	93.138	4.5
81	MP1A	Mx	.081	4.5
82	MP4A	X	-161.319	.5
83	MP4A	Z	93.138	.5
84	MP4A	Mx	.081	.5
85	MP4A	X	-161.319	4.5
86	MP4A	Z	93.138	4.5
87	MP4A	Mx	.081	4.5
88	MP1B	X	-155.249	.5
89	MP1B	Z	89.633	.5
90	MP1B	Mx	-.088	.5
91	MP1B	X	-155.249	4.5
92	MP1B	Z	89.633	4.5
93	MP1B	Mx	-.088	4.5
94	MP4B	X	-155.249	.5
95	MP4B	Z	89.633	.5
96	MP4B	Mx	-.088	.5
97	MP4B	X	-155.249	4.5
98	MP4B	Z	89.633	4.5
99	MP4B	Mx	-.088	4.5
100	MP1C	X	-53.637	.5
101	MP1C	Z	30.967	.5
102	MP1C	Mx	.011	.5
103	MP1C	X	-53.637	4.5
104	MP1C	Z	30.967	4.5
105	MP1C	Mx	.011	4.5
106	MP4C	X	-53.637	.5
107	MP4C	Z	30.967	.5
108	MP4C	Mx	.011	.5
109	MP4C	X	-53.637	4.5
110	MP4C	Z	30.967	4.5
111	MP4C	Mx	.011	4.5
112	MP2A	X	-16.632	2.5
113	MP2A	Z	9.602	2.5
114	MP2A	Mx	-.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-67.709	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.034	.5
4	MP2A	X	-67.709	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	.034	4.5
7	MP2B	X	-61.957	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.047	.5
10	MP2B	X	-61.957	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	-.047	4.5
13	MP2C	X	-54.207	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.026	.5
16	MP2C	X	-54.207	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	.026	4.5
19	MP2A	X	-67.709	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.034	.5
22	MP2A	X	-67.709	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	.034	4.5
25	MP2B	X	-61.957	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.0005	.5
28	MP2B	X	-61.957	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	-.0005	4.5
31	MP2C	X	-54.207	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.036	.5
34	MP2C	X	-54.207	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	-.036	4.5
37	MP3A	X	-38.812	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	.019	.5
40	MP3A	X	-38.812	2.5
41	MP3A	Z	0	2.5
42	MP3A	Mx	.019	2.5
43	MP3B	X	-63.737	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	-.024	.5
46	MP3B	X	-63.737	2.5
47	MP3B	Z	0	2.5
48	MP3B	Mx	-.024	2.5
49	MP3C	X	-97.319	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	-.008	.5
52	MP3C	X	-97.319	2.5
53	MP3C	Z	0	2.5
54	MP3C	Mx	-.008	2.5
55	MP2A	X	-43.874	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.022	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-43.874	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.022	.5
61	MP2C	X	-43.874	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.022	.5
64	MP1A	X	-35.858	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	-.018	.5
67	MP1B	X	-35.858	.5
68	MP1B	Z	0	.5
69	MP1B	Mx	-.018	.5
70	MP1C	X	-35.858	.5
71	MP1C	Z	0	.5
72	MP1C	Mx	-.018	.5
73	OVP	X	-102.636	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-180.869	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.09	.5
79	MP1A	X	-180.869	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.09	4.5
82	MP4A	X	-180.869	.5
83	MP4A	Z	0	.5
84	MP4A	Mx	.09	.5
85	MP4A	X	-180.869	4.5
86	MP4A	Z	0	4.5
87	MP4A	Mx	.09	4.5
88	MP1B	X	-144.539	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	-.055	.5
91	MP1B	X	-144.539	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	-.055	4.5
94	MP4B	X	-144.539	.5
95	MP4B	Z	0	.5
96	MP4B	Mx	-.055	.5
97	MP4B	X	-144.539	4.5
98	MP4B	Z	0	4.5
99	MP4B	Mx	-.055	4.5
100	MP1C	X	-56.827	.5
101	MP1C	Z	0	.5
102	MP1C	Mx	-.005	.5
103	MP1C	X	-56.827	4.5
104	MP1C	Z	0	4.5
105	MP1C	Mx	-.005	4.5
106	MP4C	X	-56.827	.5
107	MP4C	Z	0	.5
108	MP4C	Mx	-.005	.5
109	MP4C	X	-56.827	4.5
110	MP4C	Z	0	4.5
111	MP4C	Mx	-.005	4.5
112	MP2A	X	-12.199	2.5
113	MP2A	Z	0	2.5
114	MP2A	Mx	-.006	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-55.624	.5
2	MP2A	Z	-32.114	.5
3	MP2A	Mx	.047	.5
4	MP2A	X	-55.624	4.5
5	MP2A	Z	-32.114	4.5
6	MP2A	Mx	.047	4.5
7	MP2B	X	-47.992	.5
8	MP2B	Z	-27.708	.5
9	MP2B	Mx	-.04	.5
10	MP2B	X	-47.992	4.5
11	MP2B	Z	-27.708	4.5
12	MP2B	Mx	-.04	4.5
13	MP2C	X	-51.563	.5
14	MP2C	Z	-29.77	.5
15	MP2C	Mx	.007	.5
16	MP2C	X	-51.563	4.5
17	MP2C	Z	-29.77	4.5
18	MP2C	Mx	.007	4.5
19	MP2A	X	-55.624	.5
20	MP2A	Z	-32.114	.5
21	MP2A	Mx	.009	.5
22	MP2A	X	-55.624	4.5
23	MP2A	Z	-32.114	4.5
24	MP2A	Mx	.009	4.5
25	MP2B	X	-47.992	.5
26	MP2B	Z	-27.708	.5
27	MP2B	Mx	.021	.5
28	MP2B	X	-47.992	4.5
29	MP2B	Z	-27.708	4.5
30	MP2B	Mx	.021	4.5
31	MP2C	X	-51.563	.5
32	MP2C	Z	-29.77	.5
33	MP2C	Mx	-.046	.5
34	MP2C	X	-51.563	4.5
35	MP2C	Z	-29.77	4.5
36	MP2C	Mx	-.046	4.5
37	MP3A	X	-46.673	.5
38	MP3A	Z	-26.947	.5
39	MP3A	Mx	.023	.5
40	MP3A	X	-46.673	2.5
41	MP3A	Z	-26.947	2.5
42	MP3A	Mx	.023	2.5
43	MP3B	X	-79.745	.5
44	MP3B	Z	-46.041	.5
45	MP3B	Mx	-.016	.5
46	MP3B	X	-79.745	2.5
47	MP3B	Z	-46.041	2.5
48	MP3B	Mx	-.016	2.5
49	MP3C	X	-64.27	.5
50	MP3C	Z	-37.106	.5
51	MP3C	Mx	-.024	.5
52	MP3C	X	-64.27	2.5
53	MP3C	Z	-37.106	2.5
54	MP3C	Mx	-.024	2.5
55	MP2A	X	-42.654	.5
56	MP2A	Z	-24.626	.5
57	MP2A	Mx	-.021	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-42.654	.5
59	MP2B	Z	-24.626	.5
60	MP2B	Mx	-.021	.5
61	MP2C	X	-42.654	.5
62	MP2C	Z	-24.626	.5
63	MP2C	Mx	-.021	.5
64	MP1A	X	-37.448	.5
65	MP1A	Z	-21.621	.5
66	MP1A	Mx	-.019	.5
67	MP1B	X	-37.448	.5
68	MP1B	Z	-21.621	.5
69	MP1B	Mx	-.019	.5
70	MP1C	X	-37.448	.5
71	MP1C	Z	-21.621	.5
72	MP1C	Mx	-.019	.5
73	OVP	X	-99.52	1.5
74	OVP	Z	-57.458	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-161.319	.5
77	MP1A	Z	-93.138	.5
78	MP1A	Mx	.081	.5
79	MP1A	X	-161.319	4.5
80	MP1A	Z	-93.138	4.5
81	MP1A	Mx	.081	4.5
82	MP4A	X	-161.319	.5
83	MP4A	Z	-93.138	.5
84	MP4A	Mx	.081	.5
85	MP4A	X	-161.319	4.5
86	MP4A	Z	-93.138	4.5
87	MP4A	Mx	.081	4.5
88	MP1B	X	-88.282	.5
89	MP1B	Z	-50.97	.5
90	MP1B	Mx	-.017	.5
91	MP1B	X	-88.282	4.5
92	MP1B	Z	-50.97	4.5
93	MP1B	Mx	-.017	4.5
94	MP4B	X	-88.282	.5
95	MP4B	Z	-50.97	.5
96	MP4B	Mx	-.017	.5
97	MP4B	X	-88.282	4.5
98	MP4B	Z	-50.97	4.5
99	MP4B	Mx	-.017	4.5
100	MP1C	X	-68.727	.5
101	MP1C	Z	-39.679	.5
102	MP1C	Mx	-.026	.5
103	MP1C	X	-68.727	4.5
104	MP1C	Z	-39.679	4.5
105	MP1C	Mx	-.026	4.5
106	MP4C	X	-68.727	.5
107	MP4C	Z	-39.679	.5
108	MP4C	Mx	-.026	.5
109	MP4C	X	-68.727	4.5
110	MP4C	Z	-39.679	4.5
111	MP4C	Mx	-.026	4.5
112	MP2A	X	-16.632	2.5
113	MP2A	Z	-9.602	2.5
114	MP2A	Mx	-.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-28.634	.5
2	MP2A	Z	-49.596	.5
3	MP2A	Mx	.043	.5
4	MP2A	X	-28.634	4.5
5	MP2A	Z	-49.596	4.5
6	MP2A	Mx	.043	4.5
7	MP2B	X	-27.104	.5
8	MP2B	Z	-46.945	.5
9	MP2B	Mx	-.026	.5
10	MP2B	X	-27.104	4.5
11	MP2B	Z	-46.945	4.5
12	MP2B	Mx	-.026	4.5
13	MP2C	X	-33.04	.5
14	MP2C	Z	-57.228	.5
15	MP2C	Mx	-.018	.5
16	MP2C	X	-33.04	4.5
17	MP2C	Z	-57.228	4.5
18	MP2C	Mx	-.018	4.5
19	MP2A	X	-28.634	.5
20	MP2A	Z	-49.596	.5
21	MP2A	Mx	-.015	.5
22	MP2A	X	-28.634	4.5
23	MP2A	Z	-49.596	4.5
24	MP2A	Mx	-.015	4.5
25	MP2B	X	-27.104	.5
26	MP2B	Z	-46.945	.5
27	MP2B	Mx	.036	.5
28	MP2B	X	-27.104	4.5
29	MP2B	Z	-46.945	4.5
30	MP2B	Mx	.036	4.5
31	MP2C	X	-33.04	.5
32	MP2C	Z	-57.228	.5
33	MP2C	Mx	-.044	.5
34	MP2C	X	-33.04	4.5
35	MP2C	Z	-57.228	4.5
36	MP2C	Mx	-.044	4.5
37	MP3A	X	-42.028	.5
38	MP3A	Z	-72.795	.5
39	MP3A	Mx	.021	.5
40	MP3A	X	-42.028	2.5
41	MP3A	Z	-72.795	2.5
42	MP3A	Mx	.021	2.5
43	MP3B	X	-48.66	.5
44	MP3B	Z	-84.281	.5
45	MP3B	Mx	.008	.5
46	MP3B	X	-48.66	2.5
47	MP3B	Z	-84.281	2.5
48	MP3B	Mx	.008	2.5
49	MP3C	X	-22.935	.5
50	MP3C	Z	-39.724	.5
51	MP3C	Mx	-.022	.5
52	MP3C	X	-22.935	2.5
53	MP3C	Z	-39.724	2.5
54	MP3C	Mx	-.022	2.5
55	MP2A	X	-30.005	.5
56	MP2A	Z	-51.97	.5
57	MP2A	Mx	-.015	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-30.005	.5
59	MP2B	Z	-51.97	.5
60	MP2B	Mx	-.015	.5
61	MP2C	X	-30.005	.5
62	MP2C	Z	-51.97	.5
63	MP2C	Mx	-.015	.5
64	MP1A	X	-29.003	.5
65	MP1A	Z	-50.235	.5
66	MP1A	Mx	-.015	.5
67	MP1B	X	-29.003	.5
68	MP1B	Z	-50.235	.5
69	MP1B	Mx	-.015	.5
70	MP1C	X	-29.003	.5
71	MP1C	Z	-50.235	.5
72	MP1C	Mx	-.015	.5
73	OVP	X	-64.99	1.5
74	OVP	Z	-112.566	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-98.544	.5
77	MP1A	Z	-170.683	.5
78	MP1A	Mx	.049	.5
79	MP1A	X	-98.544	4.5
80	MP1A	Z	-170.683	4.5
81	MP1A	Mx	.049	4.5
82	MP4A	X	-98.544	.5
83	MP4A	Z	-170.683	.5
84	MP4A	Mx	.049	.5
85	MP4A	X	-98.544	4.5
86	MP4A	Z	-170.683	4.5
87	MP4A	Mx	.049	4.5
88	MP1B	X	-47.034	.5
89	MP1B	Z	-81.465	.5
90	MP1B	Mx	.008	.5
91	MP1B	X	-47.034	4.5
92	MP1B	Z	-81.465	4.5
93	MP1B	Mx	.008	4.5
94	MP4B	X	-47.034	.5
95	MP4B	Z	-81.465	.5
96	MP4B	Mx	.008	.5
97	MP4B	X	-47.034	4.5
98	MP4B	Z	-81.465	4.5
99	MP4B	Mx	.008	4.5
100	MP1C	X	-53.499	.5
101	MP1C	Z	-92.663	.5
102	MP1C	Mx	-.05	.5
103	MP1C	X	-53.499	4.5
104	MP1C	Z	-92.663	4.5
105	MP1C	Mx	-.05	4.5
106	MP4C	X	-53.499	.5
107	MP4C	Z	-92.663	.5
108	MP4C	Mx	-.05	.5
109	MP4C	X	-53.499	4.5
110	MP4C	Z	-92.663	4.5
111	MP4C	Mx	-.05	4.5
112	MP2A	X	-16.608	2.5
113	MP2A	Z	-28.766	2.5
114	MP2A	Mx	-.008	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-32.893	.5
3	MP2A	Mx	.019	.5
4	MP2A	X	0	4.5
5	MP2A	Z	-32.893	4.5
6	MP2A	Mx	.019	4.5
7	MP2B	X	0	.5
8	MP2B	Z	-31.624	.5
9	MP2B	Mx	-.004	.5
10	MP2B	X	0	4.5
11	MP2B	Z	-31.624	4.5
12	MP2B	Mx	-.004	4.5
13	MP2C	X	0	.5
14	MP2C	Z	-29.913	.5
15	MP2C	Mx	-.018	.5
16	MP2C	X	0	4.5
17	MP2C	Z	-29.913	4.5
18	MP2C	Mx	-.018	4.5
19	MP2A	X	0	.5
20	MP2A	Z	-32.893	.5
21	MP2A	Mx	-.019	.5
22	MP2A	X	0	4.5
23	MP2A	Z	-32.893	4.5
24	MP2A	Mx	-.019	4.5
25	MP2B	X	0	.5
26	MP2B	Z	-31.624	.5
27	MP2B	Mx	.024	.5
28	MP2B	X	0	4.5
29	MP2B	Z	-31.624	4.5
30	MP2B	Mx	.024	4.5
31	MP2C	X	0	.5
32	MP2C	Z	-29.913	.5
33	MP2C	Mx	-.012	.5
34	MP2C	X	0	4.5
35	MP2C	Z	-29.913	4.5
36	MP2C	Mx	-.012	4.5
37	MP3A	X	0	.5
38	MP3A	Z	-19.447	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2.5
41	MP3A	Z	-19.447	2.5
42	MP3A	Mx	0	2.5
43	MP3B	X	0	.5
44	MP3B	Z	-14.835	.5
45	MP3B	Mx	.005	.5
46	MP3B	X	0	2.5
47	MP3B	Z	-14.835	2.5
48	MP3B	Mx	.005	2.5
49	MP3C	X	0	.5
50	MP3C	Z	-8.621	.5
51	MP3C	Mx	-.004	.5
52	MP3C	X	0	2.5
53	MP3C	Z	-8.621	2.5
54	MP3C	Mx	-.004	2.5
55	MP2A	X	0	.5
56	MP2A	Z	-16.391	.5
57	MP2A	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	.5
59	MP2B	Z	-16.391	.5
60	MP2B	Mx	0	.5
61	MP2C	X	0	.5
62	MP2C	Z	-16.391	.5
63	MP2C	Mx	0	.5
64	MP1A	X	0	.5
65	MP1A	Z	-16.391	.5
66	MP1A	Mx	0	.5
67	MP1B	X	0	.5
68	MP1B	Z	-16.391	.5
69	MP1B	Mx	0	.5
70	MP1C	X	0	.5
71	MP1C	Z	-16.391	.5
72	MP1C	Mx	0	.5
73	OVP	X	0	1.5
74	OVP	Z	-31.252	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	0	.5
77	MP1A	Z	-38.361	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	4.5
80	MP1A	Z	-38.361	4.5
81	MP1A	Mx	0	4.5
82	MP4A	X	0	.5
83	MP4A	Z	-38.361	.5
84	MP4A	Mx	0	.5
85	MP4A	X	0	4.5
86	MP4A	Z	-38.361	4.5
87	MP4A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	-25.265	.5
90	MP1B	Mx	.008	.5
91	MP1B	X	0	4.5
92	MP1B	Z	-25.265	4.5
93	MP1B	Mx	.008	4.5
94	MP4B	X	0	.5
95	MP4B	Z	-25.265	.5
96	MP4B	Mx	.008	.5
97	MP4B	X	0	4.5
98	MP4B	Z	-25.265	4.5
99	MP4B	Mx	.008	4.5
100	MP1C	X	0	.5
101	MP1C	Z	-21.819	.5
102	MP1C	Mx	-.011	.5
103	MP1C	X	0	4.5
104	MP1C	Z	-21.819	4.5
105	MP1C	Mx	-.011	4.5
106	MP4C	X	0	.5
107	MP4C	Z	-21.819	.5
108	MP4C	Mx	-.011	.5
109	MP4C	X	0	4.5
110	MP4C	Z	-21.819	4.5
111	MP4C	Mx	-.011	4.5
112	MP2A	X	0	2.5
113	MP2A	Z	-8.942	2.5
114	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.063	.5
2	MP2A	Z	-27.821	.5
3	MP2A	Mx	.008	.5
4	MP2A	X	16.063	4.5
5	MP2A	Z	-27.821	4.5
6	MP2A	Mx	.008	4.5
7	MP2B	X	15.09	.5
8	MP2B	Z	-26.137	.5
9	MP2B	Mx	.008	.5
10	MP2B	X	15.09	4.5
11	MP2B	Z	-26.137	4.5
12	MP2B	Mx	.008	4.5
13	MP2C	X	15.545	.5
14	MP2C	Z	-26.925	.5
15	MP2C	Mx	-.024	.5
16	MP2C	X	15.545	4.5
17	MP2C	Z	-26.925	4.5
18	MP2C	Mx	-.024	4.5
19	MP2A	X	16.063	.5
20	MP2A	Z	-27.821	.5
21	MP2A	Mx	-.024	.5
22	MP2A	X	16.063	4.5
23	MP2A	Z	-27.821	4.5
24	MP2A	Mx	-.024	4.5
25	MP2B	X	15.09	.5
26	MP2B	Z	-26.137	.5
27	MP2B	Mx	.02	.5
28	MP2B	X	15.09	4.5
29	MP2B	Z	-26.137	4.5
30	MP2B	Mx	.02	4.5
31	MP2C	X	15.545	.5
32	MP2C	Z	-26.925	.5
33	MP2C	Mx	-.000251	.5
34	MP2C	X	15.545	4.5
35	MP2C	Z	-26.925	4.5
36	MP2C	Mx	-.000251	4.5
37	MP3A	X	8.328	.5
38	MP3A	Z	-14.425	.5
39	MP3A	Mx	-.004	.5
40	MP3A	X	8.328	2.5
41	MP3A	Z	-14.425	2.5
42	MP3A	Mx	-.004	2.5
43	MP3B	X	4.795	.5
44	MP3B	Z	-8.305	.5
45	MP3B	Mx	.005	.5
46	MP3B	X	4.795	2.5
47	MP3B	Z	-8.305	2.5
48	MP3B	Mx	.005	2.5
49	MP3C	X	6.448	.5
50	MP3C	Z	-11.169	.5
51	MP3C	Mx	-.005	.5
52	MP3C	X	6.448	2.5
53	MP3C	Z	-11.169	2.5
54	MP3C	Mx	-.005	2.5
55	MP2A	X	7.572	.5
56	MP2A	Z	-13.115	.5
57	MP2A	Mx	.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	7.572	.5
59	MP2B	Z	-13.115	.5
60	MP2B	Mx	.004	.5
61	MP2C	X	7.572	.5
62	MP2C	Z	-13.115	.5
63	MP2C	Mx	.004	.5
64	MP1A	X	7.335	.5
65	MP1A	Z	-12.704	.5
66	MP1A	Mx	.004	.5
67	MP1B	X	7.335	.5
68	MP1B	Z	-12.704	.5
69	MP1B	Mx	.004	.5
70	MP1C	X	7.335	.5
71	MP1C	Z	-12.704	.5
72	MP1C	Mx	.004	.5
73	OVP	X	13.717	1.5
74	OVP	Z	-23.758	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	18.699	.5
77	MP1A	Z	-32.388	.5
78	MP1A	Mx	-.009	.5
79	MP1A	X	18.699	4.5
80	MP1A	Z	-32.388	4.5
81	MP1A	Mx	-.009	4.5
82	MP4A	X	18.699	.5
83	MP4A	Z	-32.388	.5
84	MP4A	Mx	-.009	.5
85	MP4A	X	18.699	4.5
86	MP4A	Z	-32.388	4.5
87	MP4A	Mx	-.009	4.5
88	MP1B	X	16.415	.5
89	MP1B	Z	-28.432	.5
90	MP1B	Mx	.015	.5
91	MP1B	X	16.415	4.5
92	MP1B	Z	-28.432	4.5
93	MP1B	Mx	.015	4.5
94	MP4B	X	16.415	.5
95	MP4B	Z	-28.432	.5
96	MP4B	Mx	.015	.5
97	MP4B	X	16.415	4.5
98	MP4B	Z	-28.432	4.5
99	MP4B	Mx	.015	4.5
100	MP1C	X	8.889	.5
101	MP1C	Z	-15.396	.5
102	MP1C	Mx	-.007	.5
103	MP1C	X	8.889	4.5
104	MP1C	Z	-15.396	4.5
105	MP1C	Mx	-.007	4.5
106	MP4C	X	8.889	.5
107	MP4C	Z	-15.396	.5
108	MP4C	Mx	-.007	.5
109	MP4C	X	8.889	4.5
110	MP4C	Z	-15.396	4.5
111	MP4C	Mx	-.007	4.5
112	MP2A	X	3.774	2.5
113	MP2A	Z	-6.537	2.5
114	MP2A	Mx	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	26.491	.5
2	MP2A	Z	-15.294	.5
3	MP2A	Mx	-.004	.5
4	MP2A	X	26.491	4.5
5	MP2A	Z	-15.294	4.5
6	MP2A	Mx	-.004	4.5
7	MP2B	X	25.905	.5
8	MP2B	Z	-14.957	.5
9	MP2B	Mx	.018	.5
10	MP2B	X	25.905	4.5
11	MP2B	Z	-14.957	4.5
12	MP2B	Mx	.018	4.5
13	MP2C	X	28.175	.5
14	MP2C	Z	-16.267	.5
15	MP2C	Mx	-.023	.5
16	MP2C	X	28.175	4.5
17	MP2C	Z	-16.267	4.5
18	MP2C	Mx	-.023	4.5
19	MP2A	X	26.491	.5
20	MP2A	Z	-15.294	.5
21	MP2A	Mx	-.022	.5
22	MP2A	X	26.491	4.5
23	MP2A	Z	-15.294	4.5
24	MP2A	Mx	-.022	4.5
25	MP2B	X	25.905	.5
26	MP2B	Z	-14.957	.5
27	MP2B	Mx	.012	.5
28	MP2B	X	25.905	4.5
29	MP2B	Z	-14.957	4.5
30	MP2B	Mx	.012	4.5
31	MP2C	X	28.175	.5
32	MP2C	Z	-16.267	.5
33	MP2C	Mx	.012	.5
34	MP2C	X	28.175	4.5
35	MP2C	Z	-16.267	4.5
36	MP2C	Mx	.012	4.5
37	MP3A	X	9.591	.5
38	MP3A	Z	-5.537	.5
39	MP3A	Mx	-.005	.5
40	MP3A	X	9.591	2.5
41	MP3A	Z	-5.537	2.5
42	MP3A	Mx	-.005	2.5
43	MP3B	X	7.466	.5
44	MP3B	Z	-4.311	.5
45	MP3B	Mx	.004	.5
46	MP3B	X	7.466	2.5
47	MP3B	Z	-4.311	2.5
48	MP3B	Mx	.004	2.5
49	MP3C	X	15.711	.5
50	MP3C	Z	-9.07	.5
51	MP3C	Mx	-.003	.5
52	MP3C	X	15.711	2.5
53	MP3C	Z	-9.07	2.5
54	MP3C	Mx	-.003	2.5
55	MP2A	X	10.955	.5
56	MP2A	Z	-6.325	.5
57	MP2A	Mx	.005	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	10.955	.5
59	MP2B	Z	-6.325	.5
60	MP2B	Mx	.005	.5
61	MP2C	X	10.955	.5
62	MP2C	Z	-6.325	.5
63	MP2C	Mx	.005	.5
64	MP1A	X	9.723	.5
65	MP1A	Z	-5.614	.5
66	MP1A	Mx	.005	.5
67	MP1B	X	9.723	.5
68	MP1B	Z	-5.614	.5
69	MP1B	Mx	.005	.5
70	MP1C	X	9.723	.5
71	MP1C	Z	-5.614	.5
72	MP1C	Mx	.005	.5
73	OVP	X	19.702	1.5
74	OVP	Z	-11.375	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	30.721	.5
77	MP1A	Z	-17.737	.5
78	MP1A	Mx	-.015	.5
79	MP1A	X	30.721	4.5
80	MP1A	Z	-17.737	4.5
81	MP1A	Mx	-.015	4.5
82	MP4A	X	30.721	.5
83	MP4A	Z	-17.737	.5
84	MP4A	Mx	-.015	.5
85	MP4A	X	30.721	4.5
86	MP4A	Z	-17.737	4.5
87	MP4A	Mx	-.015	4.5
88	MP1B	X	29.642	.5
89	MP1B	Z	-17.114	.5
90	MP1B	Mx	.017	.5
91	MP1B	X	29.642	4.5
92	MP1B	Z	-17.114	4.5
93	MP1B	Mx	.017	4.5
94	MP4B	X	29.642	.5
95	MP4B	Z	-17.114	.5
96	MP4B	Mx	.017	.5
97	MP4B	X	29.642	4.5
98	MP4B	Z	-17.114	4.5
99	MP4B	Mx	.017	4.5
100	MP1C	X	11.104	.5
101	MP1C	Z	-6.411	.5
102	MP1C	Mx	-.002	.5
103	MP1C	X	11.104	4.5
104	MP1C	Z	-6.411	4.5
105	MP1C	Mx	-.002	4.5
106	MP4C	X	11.104	.5
107	MP4C	Z	-6.411	.5
108	MP4C	Mx	-.002	.5
109	MP4C	X	11.104	4.5
110	MP4C	Z	-6.411	4.5
111	MP4C	Mx	-.002	4.5
112	MP2A	X	4.123	2.5
113	MP2A	Z	-2.381	2.5
114	MP2A	Mx	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	29.82	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.015	.5
4	MP2A	X	29.82	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	-.015	4.5
7	MP2B	X	31.09	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.024	.5
10	MP2B	X	31.09	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	.024	4.5
13	MP2C	X	32.801	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.016	.5
16	MP2C	X	32.801	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	-.016	4.5
19	MP2A	X	29.82	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.015	.5
22	MP2A	X	29.82	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	-.015	4.5
25	MP2B	X	31.09	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.000251	.5
28	MP2B	X	31.09	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	.000251	4.5
31	MP2C	X	32.801	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.022	.5
34	MP2C	X	32.801	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	.022	4.5
37	MP3A	X	8.284	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	-.004	.5
40	MP3A	X	8.284	2.5
41	MP3A	Z	0	2.5
42	MP3A	Mx	-.004	2.5
43	MP3B	X	12.896	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	.005	.5
46	MP3B	X	12.896	2.5
47	MP3B	Z	0	2.5
48	MP3B	Mx	.005	2.5
49	MP3C	X	19.11	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	.002	.5
52	MP3C	X	19.11	2.5
53	MP3C	Z	0	2.5
54	MP3C	Mx	.002	2.5
55	MP2A	X	11.402	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.006	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	11.402	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.006	.5
61	MP2C	X	11.402	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.006	.5
64	MP1A	X	9.506	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	.005	.5
67	MP1B	X	9.506	.5
68	MP1B	Z	0	.5
69	MP1B	Mx	.005	.5
70	MP1C	X	9.506	.5
71	MP1C	Z	0	.5
72	MP1C	Mx	.005	.5
73	OVP	X	21.884	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	34.511	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.017	.5
79	MP1A	X	34.511	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-.017	4.5
82	MP4A	X	34.511	.5
83	MP4A	Z	0	.5
84	MP4A	Mx	-.017	.5
85	MP4A	X	34.511	4.5
86	MP4A	Z	0	4.5
87	MP4A	Mx	-.017	4.5
88	MP1B	X	28.061	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	.011	.5
91	MP1B	X	28.061	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	.011	4.5
94	MP4B	X	28.061	.5
95	MP4B	Z	0	.5
96	MP4B	Mx	.011	.5
97	MP4B	X	28.061	4.5
98	MP4B	Z	0	4.5
99	MP4B	Mx	.011	4.5
100	MP1C	X	11.905	.5
101	MP1C	Z	0	.5
102	MP1C	Mx	.001	.5
103	MP1C	X	11.905	4.5
104	MP1C	Z	0	4.5
105	MP1C	Mx	.001	4.5
106	MP4C	X	11.905	.5
107	MP4C	Z	0	.5
108	MP4C	Mx	.001	.5
109	MP4C	X	11.905	4.5
110	MP4C	Z	0	4.5
111	MP4C	Mx	.001	4.5
112	MP2A	X	3.368	2.5
113	MP2A	Z	0	2.5
114	MP2A	Mx	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	26.491	.5
2	MP2A	Z	15.294	.5
3	MP2A	Mx	-.022	.5
4	MP2A	X	26.491	4.5
5	MP2A	Z	15.294	4.5
6	MP2A	Mx	-.022	4.5
7	MP2B	X	28.175	.5
8	MP2B	Z	16.267	.5
9	MP2B	Mx	.023	.5
10	MP2B	X	28.175	4.5
11	MP2B	Z	16.267	4.5
12	MP2B	Mx	.023	4.5
13	MP2C	X	27.387	.5
14	MP2C	Z	15.812	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	27.387	4.5
17	MP2C	Z	15.812	4.5
18	MP2C	Mx	-.004	4.5
19	MP2A	X	26.491	.5
20	MP2A	Z	15.294	.5
21	MP2A	Mx	-.004	.5
22	MP2A	X	26.491	4.5
23	MP2A	Z	15.294	4.5
24	MP2A	Mx	-.004	4.5
25	MP2B	X	28.175	.5
26	MP2B	Z	16.267	.5
27	MP2B	Mx	-.012	.5
28	MP2B	X	28.175	4.5
29	MP2B	Z	16.267	4.5
30	MP2B	Mx	-.012	4.5
31	MP2C	X	27.387	.5
32	MP2C	Z	15.812	.5
33	MP2C	Mx	.024	.5
34	MP2C	X	27.387	4.5
35	MP2C	Z	15.812	4.5
36	MP2C	Mx	.024	4.5
37	MP3A	X	9.591	.5
38	MP3A	Z	5.537	.5
39	MP3A	Mx	-.005	.5
40	MP3A	X	9.591	2.5
41	MP3A	Z	5.537	2.5
42	MP3A	Mx	-.005	2.5
43	MP3B	X	15.711	.5
44	MP3B	Z	9.07	.5
45	MP3B	Mx	.003	.5
46	MP3B	X	15.711	2.5
47	MP3B	Z	9.07	2.5
48	MP3B	Mx	.003	2.5
49	MP3C	X	12.847	.5
50	MP3C	Z	7.417	.5
51	MP3C	Mx	.005	.5
52	MP3C	X	12.847	2.5
53	MP3C	Z	7.417	2.5
54	MP3C	Mx	.005	2.5
55	MP2A	X	10.955	.5
56	MP2A	Z	6.325	.5
57	MP2A	Mx	.005	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	10.955	.5
59	MP2B	Z	6.325	.5
60	MP2B	Mx	.005	.5
61	MP2C	X	10.955	.5
62	MP2C	Z	6.325	.5
63	MP2C	Mx	.005	.5
64	MP1A	X	9.723	.5
65	MP1A	Z	5.614	.5
66	MP1A	Mx	.005	.5
67	MP1B	X	9.723	.5
68	MP1B	Z	5.614	.5
69	MP1B	Mx	.005	.5
70	MP1C	X	9.723	.5
71	MP1C	Z	5.614	.5
72	MP1C	Mx	.005	.5
73	OVP	X	22.259	1.5
74	OVP	Z	12.851	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	30.721	.5
77	MP1A	Z	17.737	.5
78	MP1A	Mx	-.015	.5
79	MP1A	X	30.721	4.5
80	MP1A	Z	17.737	4.5
81	MP1A	Mx	-.015	4.5
82	MP4A	X	30.721	.5
83	MP4A	Z	17.737	.5
84	MP4A	Mx	-.015	.5
85	MP4A	X	30.721	4.5
86	MP4A	Z	17.737	4.5
87	MP4A	Mx	-.015	4.5
88	MP1B	X	17.75	.5
89	MP1B	Z	10.248	.5
90	MP1B	Mx	.004	.5
91	MP1B	X	17.75	4.5
92	MP1B	Z	10.248	4.5
93	MP1B	Mx	.004	4.5
94	MP4B	X	17.75	.5
95	MP4B	Z	10.248	.5
96	MP4B	Mx	.004	.5
97	MP4B	X	17.75	4.5
98	MP4B	Z	10.248	4.5
99	MP4B	Mx	.004	4.5
100	MP1C	X	13.81	.5
101	MP1C	Z	7.973	.5
102	MP1C	Mx	.005	.5
103	MP1C	X	13.81	4.5
104	MP1C	Z	7.973	4.5
105	MP1C	Mx	.005	4.5
106	MP4C	X	13.81	.5
107	MP4C	Z	7.973	.5
108	MP4C	Mx	.005	.5
109	MP4C	X	13.81	4.5
110	MP4C	Z	7.973	4.5
111	MP4C	Mx	.005	4.5
112	MP2A	X	4.123	2.5
113	MP2A	Z	2.381	2.5
114	MP2A	Mx	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	16.063	.5
2	MP2A	Z	27.821	.5
3	MP2A	Mx	-.024	.5
4	MP2A	X	16.063	4.5
5	MP2A	Z	27.821	4.5
6	MP2A	Mx	-.024	4.5
7	MP2B	X	16.4	.5
8	MP2B	Z	28.406	.5
9	MP2B	Mx	.016	.5
10	MP2B	X	16.4	4.5
11	MP2B	Z	28.406	4.5
12	MP2B	Mx	.016	4.5
13	MP2C	X	15.09	.5
14	MP2C	Z	26.137	.5
15	MP2C	Mx	.008	.5
16	MP2C	X	15.09	4.5
17	MP2C	Z	26.137	4.5
18	MP2C	Mx	.008	4.5
19	MP2A	X	16.063	.5
20	MP2A	Z	27.821	.5
21	MP2A	Mx	.008	.5
22	MP2A	X	16.063	4.5
23	MP2A	Z	27.821	4.5
24	MP2A	Mx	.008	4.5
25	MP2B	X	16.4	.5
26	MP2B	Z	28.406	.5
27	MP2B	Mx	-.022	.5
28	MP2B	X	16.4	4.5
29	MP2B	Z	28.406	4.5
30	MP2B	Mx	-.022	4.5
31	MP2C	X	15.09	.5
32	MP2C	Z	26.137	.5
33	MP2C	Mx	.02	.5
34	MP2C	X	15.09	4.5
35	MP2C	Z	26.137	4.5
36	MP2C	Mx	.02	4.5
37	MP3A	X	8.328	.5
38	MP3A	Z	14.425	.5
39	MP3A	Mx	-.004	.5
40	MP3A	X	8.328	2.5
41	MP3A	Z	14.425	2.5
42	MP3A	Mx	-.004	2.5
43	MP3B	X	9.555	.5
44	MP3B	Z	16.55	.5
45	MP3B	Mx	-.002	.5
46	MP3B	X	9.555	2.5
47	MP3B	Z	16.55	2.5
48	MP3B	Mx	-.002	2.5
49	MP3C	X	4.795	.5
50	MP3C	Z	8.305	.5
51	MP3C	Mx	.005	.5
52	MP3C	X	4.795	2.5
53	MP3C	Z	8.305	2.5
54	MP3C	Mx	.005	2.5
55	MP2A	X	7.572	.5
56	MP2A	Z	13.115	.5
57	MP2A	Mx	.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	7.572	.5
59	MP2B	Z	13.115	.5
60	MP2B	Mx	.004	.5
61	MP2C	X	7.572	.5
62	MP2C	Z	13.115	.5
63	MP2C	Mx	.004	.5
64	MP1A	X	7.335	.5
65	MP1A	Z	12.704	.5
66	MP1A	Mx	.004	.5
67	MP1B	X	7.335	.5
68	MP1B	Z	12.704	.5
69	MP1B	Mx	.004	.5
70	MP1C	X	7.335	.5
71	MP1C	Z	12.704	.5
72	MP1C	Mx	.004	.5
73	OVP	X	15.193	1.5
74	OVP	Z	26.315	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	18.699	.5
77	MP1A	Z	32.388	.5
78	MP1A	Mx	-.009	.5
79	MP1A	X	18.699	4.5
80	MP1A	Z	32.388	4.5
81	MP1A	Mx	-.009	4.5
82	MP4A	X	18.699	.5
83	MP4A	Z	32.388	.5
84	MP4A	Mx	-.009	.5
85	MP4A	X	18.699	4.5
86	MP4A	Z	32.388	4.5
87	MP4A	Mx	-.009	4.5
88	MP1B	X	9.549	.5
89	MP1B	Z	16.539	.5
90	MP1B	Mx	-.002	.5
91	MP1B	X	9.549	4.5
92	MP1B	Z	16.539	4.5
93	MP1B	Mx	-.002	4.5
94	MP4B	X	9.549	.5
95	MP4B	Z	16.539	.5
96	MP4B	Mx	-.002	.5
97	MP4B	X	9.549	4.5
98	MP4B	Z	16.539	4.5
99	MP4B	Mx	-.002	4.5
100	MP1C	X	10.451	.5
101	MP1C	Z	18.102	.5
102	MP1C	Mx	.01	.5
103	MP1C	X	10.451	4.5
104	MP1C	Z	18.102	4.5
105	MP1C	Mx	.01	4.5
106	MP4C	X	10.451	.5
107	MP4C	Z	18.102	.5
108	MP4C	Mx	.01	.5
109	MP4C	X	10.451	4.5
110	MP4C	Z	18.102	4.5
111	MP4C	Mx	.01	4.5
112	MP2A	X	3.774	2.5
113	MP2A	Z	6.537	2.5
114	MP2A	Mx	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	32.893	.5
3	MP2A	Mx	-.019	.5
4	MP2A	X	0	4.5
5	MP2A	Z	32.893	4.5
6	MP2A	Mx	-.019	4.5
7	MP2B	X	0	.5
8	MP2B	Z	31.624	.5
9	MP2B	Mx	.004	.5
10	MP2B	X	0	4.5
11	MP2B	Z	31.624	4.5
12	MP2B	Mx	.004	4.5
13	MP2C	X	0	.5
14	MP2C	Z	29.913	.5
15	MP2C	Mx	.018	.5
16	MP2C	X	0	4.5
17	MP2C	Z	29.913	4.5
18	MP2C	Mx	.018	4.5
19	MP2A	X	0	.5
20	MP2A	Z	32.893	.5
21	MP2A	Mx	.019	.5
22	MP2A	X	0	4.5
23	MP2A	Z	32.893	4.5
24	MP2A	Mx	.019	4.5
25	MP2B	X	0	.5
26	MP2B	Z	31.624	.5
27	MP2B	Mx	-.024	.5
28	MP2B	X	0	4.5
29	MP2B	Z	31.624	4.5
30	MP2B	Mx	-.024	4.5
31	MP2C	X	0	.5
32	MP2C	Z	29.913	.5
33	MP2C	Mx	.012	.5
34	MP2C	X	0	4.5
35	MP2C	Z	29.913	4.5
36	MP2C	Mx	.012	4.5
37	MP3A	X	0	.5
38	MP3A	Z	19.447	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2.5
41	MP3A	Z	19.447	2.5
42	MP3A	Mx	0	2.5
43	MP3B	X	0	.5
44	MP3B	Z	14.835	.5
45	MP3B	Mx	-.005	.5
46	MP3B	X	0	2.5
47	MP3B	Z	14.835	2.5
48	MP3B	Mx	-.005	2.5
49	MP3C	X	0	.5
50	MP3C	Z	8.621	.5
51	MP3C	Mx	.004	.5
52	MP3C	X	0	2.5
53	MP3C	Z	8.621	2.5
54	MP3C	Mx	.004	2.5
55	MP2A	X	0	.5
56	MP2A	Z	16.391	.5
57	MP2A	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	.5
59	MP2B	Z	16.391	.5
60	MP2B	Mx	0	.5
61	MP2C	X	0	.5
62	MP2C	Z	16.391	.5
63	MP2C	Mx	0	.5
64	MP1A	X	0	.5
65	MP1A	Z	16.391	.5
66	MP1A	Mx	0	.5
67	MP1B	X	0	.5
68	MP1B	Z	16.391	.5
69	MP1B	Mx	0	.5
70	MP1C	X	0	.5
71	MP1C	Z	16.391	.5
72	MP1C	Mx	0	.5
73	OVP	X	0	1.5
74	OVP	Z	31.252	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	0	.5
77	MP1A	Z	38.361	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	4.5
80	MP1A	Z	38.361	4.5
81	MP1A	Mx	0	4.5
82	MP4A	X	0	.5
83	MP4A	Z	38.361	.5
84	MP4A	Mx	0	.5
85	MP4A	X	0	4.5
86	MP4A	Z	38.361	4.5
87	MP4A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	25.265	.5
90	MP1B	Mx	-.008	.5
91	MP1B	X	0	4.5
92	MP1B	Z	25.265	4.5
93	MP1B	Mx	-.008	4.5
94	MP4B	X	0	.5
95	MP4B	Z	25.265	.5
96	MP4B	Mx	-.008	.5
97	MP4B	X	0	4.5
98	MP4B	Z	25.265	4.5
99	MP4B	Mx	-.008	4.5
100	MP1C	X	0	.5
101	MP1C	Z	21.819	.5
102	MP1C	Mx	.011	.5
103	MP1C	X	0	4.5
104	MP1C	Z	21.819	4.5
105	MP1C	Mx	.011	4.5
106	MP4C	X	0	.5
107	MP4C	Z	21.819	.5
108	MP4C	Mx	.011	.5
109	MP4C	X	0	4.5
110	MP4C	Z	21.819	4.5
111	MP4C	Mx	.011	4.5
112	MP2A	X	0	2.5
113	MP2A	Z	8.942	2.5
114	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.063	.5
2	MP2A	Z	27.821	.5
3	MP2A	Mx	-.008	.5
4	MP2A	X	-16.063	4.5
5	MP2A	Z	27.821	4.5
6	MP2A	Mx	-.008	4.5
7	MP2B	X	-15.09	.5
8	MP2B	Z	26.137	.5
9	MP2B	Mx	-.008	.5
10	MP2B	X	-15.09	4.5
11	MP2B	Z	26.137	4.5
12	MP2B	Mx	-.008	4.5
13	MP2C	X	-15.545	.5
14	MP2C	Z	26.925	.5
15	MP2C	Mx	.024	.5
16	MP2C	X	-15.545	4.5
17	MP2C	Z	26.925	4.5
18	MP2C	Mx	.024	4.5
19	MP2A	X	-16.063	.5
20	MP2A	Z	27.821	.5
21	MP2A	Mx	.024	.5
22	MP2A	X	-16.063	4.5
23	MP2A	Z	27.821	4.5
24	MP2A	Mx	.024	4.5
25	MP2B	X	-15.09	.5
26	MP2B	Z	26.137	.5
27	MP2B	Mx	-.02	.5
28	MP2B	X	-15.09	4.5
29	MP2B	Z	26.137	4.5
30	MP2B	Mx	-.02	4.5
31	MP2C	X	-15.545	.5
32	MP2C	Z	26.925	.5
33	MP2C	Mx	.000251	.5
34	MP2C	X	-15.545	4.5
35	MP2C	Z	26.925	4.5
36	MP2C	Mx	.000251	4.5
37	MP3A	X	-8.328	.5
38	MP3A	Z	14.425	.5
39	MP3A	Mx	.004	.5
40	MP3A	X	-8.328	2.5
41	MP3A	Z	14.425	2.5
42	MP3A	Mx	.004	2.5
43	MP3B	X	-4.795	.5
44	MP3B	Z	8.305	.5
45	MP3B	Mx	-.005	.5
46	MP3B	X	-4.795	2.5
47	MP3B	Z	8.305	2.5
48	MP3B	Mx	-.005	2.5
49	MP3C	X	-6.448	.5
50	MP3C	Z	11.169	.5
51	MP3C	Mx	.005	.5
52	MP3C	X	-6.448	2.5
53	MP3C	Z	11.169	2.5
54	MP3C	Mx	.005	2.5
55	MP2A	X	-7.572	.5
56	MP2A	Z	13.115	.5
57	MP2A	Mx	-.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-7.572	.5
59	MP2B	Z	13.115	.5
60	MP2B	Mx	-.004	.5
61	MP2C	X	-7.572	.5
62	MP2C	Z	13.115	.5
63	MP2C	Mx	-.004	.5
64	MP1A	X	-7.335	.5
65	MP1A	Z	12.704	.5
66	MP1A	Mx	-.004	.5
67	MP1B	X	-7.335	.5
68	MP1B	Z	12.704	.5
69	MP1B	Mx	-.004	.5
70	MP1C	X	-7.335	.5
71	MP1C	Z	12.704	.5
72	MP1C	Mx	-.004	.5
73	OVP	X	-13.717	1.5
74	OVP	Z	23.758	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-18.699	.5
77	MP1A	Z	32.388	.5
78	MP1A	Mx	.009	.5
79	MP1A	X	-18.699	4.5
80	MP1A	Z	32.388	4.5
81	MP1A	Mx	.009	4.5
82	MP4A	X	-18.699	.5
83	MP4A	Z	32.388	.5
84	MP4A	Mx	.009	.5
85	MP4A	X	-18.699	4.5
86	MP4A	Z	32.388	4.5
87	MP4A	Mx	.009	4.5
88	MP1B	X	-16.415	.5
89	MP1B	Z	28.432	.5
90	MP1B	Mx	-.015	.5
91	MP1B	X	-16.415	4.5
92	MP1B	Z	28.432	4.5
93	MP1B	Mx	-.015	4.5
94	MP4B	X	-16.415	.5
95	MP4B	Z	28.432	.5
96	MP4B	Mx	-.015	.5
97	MP4B	X	-16.415	4.5
98	MP4B	Z	28.432	4.5
99	MP4B	Mx	-.015	4.5
100	MP1C	X	-8.889	.5
101	MP1C	Z	15.396	.5
102	MP1C	Mx	.007	.5
103	MP1C	X	-8.889	4.5
104	MP1C	Z	15.396	4.5
105	MP1C	Mx	.007	4.5
106	MP4C	X	-8.889	.5
107	MP4C	Z	15.396	.5
108	MP4C	Mx	.007	.5
109	MP4C	X	-8.889	4.5
110	MP4C	Z	15.396	4.5
111	MP4C	Mx	.007	4.5
112	MP2A	X	-3.774	2.5
113	MP2A	Z	6.537	2.5
114	MP2A	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-26.491	.5
2	MP2A	Z	15.294	.5
3	MP2A	Mx	.004	.5
4	MP2A	X	-26.491	4.5
5	MP2A	Z	15.294	4.5
6	MP2A	Mx	.004	4.5
7	MP2B	X	-25.905	.5
8	MP2B	Z	14.957	.5
9	MP2B	Mx	-.018	.5
10	MP2B	X	-25.905	4.5
11	MP2B	Z	14.957	4.5
12	MP2B	Mx	-.018	4.5
13	MP2C	X	-28.175	.5
14	MP2C	Z	16.267	.5
15	MP2C	Mx	.023	.5
16	MP2C	X	-28.175	4.5
17	MP2C	Z	16.267	4.5
18	MP2C	Mx	.023	4.5
19	MP2A	X	-26.491	.5
20	MP2A	Z	15.294	.5
21	MP2A	Mx	.022	.5
22	MP2A	X	-26.491	4.5
23	MP2A	Z	15.294	4.5
24	MP2A	Mx	.022	4.5
25	MP2B	X	-25.905	.5
26	MP2B	Z	14.957	.5
27	MP2B	Mx	-.012	.5
28	MP2B	X	-25.905	4.5
29	MP2B	Z	14.957	4.5
30	MP2B	Mx	-.012	4.5
31	MP2C	X	-28.175	.5
32	MP2C	Z	16.267	.5
33	MP2C	Mx	-.012	.5
34	MP2C	X	-28.175	4.5
35	MP2C	Z	16.267	4.5
36	MP2C	Mx	-.012	4.5
37	MP3A	X	-9.591	.5
38	MP3A	Z	5.537	.5
39	MP3A	Mx	.005	.5
40	MP3A	X	-9.591	2.5
41	MP3A	Z	5.537	2.5
42	MP3A	Mx	.005	2.5
43	MP3B	X	-7.466	.5
44	MP3B	Z	4.311	.5
45	MP3B	Mx	-.004	.5
46	MP3B	X	-7.466	2.5
47	MP3B	Z	4.311	2.5
48	MP3B	Mx	-.004	2.5
49	MP3C	X	-15.711	.5
50	MP3C	Z	9.07	.5
51	MP3C	Mx	.003	.5
52	MP3C	X	-15.711	2.5
53	MP3C	Z	9.07	2.5
54	MP3C	Mx	.003	2.5
55	MP2A	X	-10.955	.5
56	MP2A	Z	6.325	.5
57	MP2A	Mx	-.005	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-10.955	.5
59	MP2B	Z	6.325	.5
60	MP2B	Mx	-.005	.5
61	MP2C	X	-10.955	.5
62	MP2C	Z	6.325	.5
63	MP2C	Mx	-.005	.5
64	MP1A	X	-9.723	.5
65	MP1A	Z	5.614	.5
66	MP1A	Mx	-.005	.5
67	MP1B	X	-9.723	.5
68	MP1B	Z	5.614	.5
69	MP1B	Mx	-.005	.5
70	MP1C	X	-9.723	.5
71	MP1C	Z	5.614	.5
72	MP1C	Mx	-.005	.5
73	OVP	X	-19.702	1.5
74	OVP	Z	11.375	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-30.721	.5
77	MP1A	Z	17.737	.5
78	MP1A	Mx	.015	.5
79	MP1A	X	-30.721	4.5
80	MP1A	Z	17.737	4.5
81	MP1A	Mx	.015	4.5
82	MP4A	X	-30.721	.5
83	MP4A	Z	17.737	.5
84	MP4A	Mx	.015	.5
85	MP4A	X	-30.721	4.5
86	MP4A	Z	17.737	4.5
87	MP4A	Mx	.015	4.5
88	MP1B	X	-29.642	.5
89	MP1B	Z	17.114	.5
90	MP1B	Mx	-.017	.5
91	MP1B	X	-29.642	4.5
92	MP1B	Z	17.114	4.5
93	MP1B	Mx	-.017	4.5
94	MP4B	X	-29.642	.5
95	MP4B	Z	17.114	.5
96	MP4B	Mx	-.017	.5
97	MP4B	X	-29.642	4.5
98	MP4B	Z	17.114	4.5
99	MP4B	Mx	-.017	4.5
100	MP1C	X	-11.104	.5
101	MP1C	Z	6.411	.5
102	MP1C	Mx	.002	.5
103	MP1C	X	-11.104	4.5
104	MP1C	Z	6.411	4.5
105	MP1C	Mx	.002	4.5
106	MP4C	X	-11.104	.5
107	MP4C	Z	6.411	.5
108	MP4C	Mx	.002	.5
109	MP4C	X	-11.104	4.5
110	MP4C	Z	6.411	4.5
111	MP4C	Mx	.002	4.5
112	MP2A	X	-4.123	2.5
113	MP2A	Z	2.381	2.5
114	MP2A	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-29.82	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.015	.5
4	MP2A	X	-29.82	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	.015	4.5
7	MP2B	X	-31.09	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.024	.5
10	MP2B	X	-31.09	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	-.024	4.5
13	MP2C	X	-32.801	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.016	.5
16	MP2C	X	-32.801	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	.016	4.5
19	MP2A	X	-29.82	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.015	.5
22	MP2A	X	-29.82	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	.015	4.5
25	MP2B	X	-31.09	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.000251	.5
28	MP2B	X	-31.09	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	-.000251	4.5
31	MP2C	X	-32.801	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.022	.5
34	MP2C	X	-32.801	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	-.022	4.5
37	MP3A	X	-8.284	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	.004	.5
40	MP3A	X	-8.284	2.5
41	MP3A	Z	0	2.5
42	MP3A	Mx	.004	2.5
43	MP3B	X	-12.896	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	-.005	.5
46	MP3B	X	-12.896	2.5
47	MP3B	Z	0	2.5
48	MP3B	Mx	-.005	2.5
49	MP3C	X	-19.11	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	-.002	.5
52	MP3C	X	-19.11	2.5
53	MP3C	Z	0	2.5
54	MP3C	Mx	-.002	2.5
55	MP2A	X	-11.402	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.006	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-11.402	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.006	.5
61	MP2C	X	-11.402	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.006	.5
64	MP1A	X	-9.506	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	-.005	.5
67	MP1B	X	-9.506	.5
68	MP1B	Z	0	.5
69	MP1B	Mx	-.005	.5
70	MP1C	X	-9.506	.5
71	MP1C	Z	0	.5
72	MP1C	Mx	-.005	.5
73	OVP	X	-21.884	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-34.511	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.017	.5
79	MP1A	X	-34.511	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.017	4.5
82	MP4A	X	-34.511	.5
83	MP4A	Z	0	.5
84	MP4A	Mx	.017	.5
85	MP4A	X	-34.511	4.5
86	MP4A	Z	0	4.5
87	MP4A	Mx	.017	4.5
88	MP1B	X	-28.061	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	-.011	.5
91	MP1B	X	-28.061	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	-.011	4.5
94	MP4B	X	-28.061	.5
95	MP4B	Z	0	.5
96	MP4B	Mx	-.011	.5
97	MP4B	X	-28.061	4.5
98	MP4B	Z	0	4.5
99	MP4B	Mx	-.011	4.5
100	MP1C	X	-11.905	.5
101	MP1C	Z	0	.5
102	MP1C	Mx	-.001	.5
103	MP1C	X	-11.905	4.5
104	MP1C	Z	0	4.5
105	MP1C	Mx	-.001	4.5
106	MP4C	X	-11.905	.5
107	MP4C	Z	0	.5
108	MP4C	Mx	-.001	.5
109	MP4C	X	-11.905	4.5
110	MP4C	Z	0	4.5
111	MP4C	Mx	-.001	4.5
112	MP2A	X	-3.368	2.5
113	MP2A	Z	0	2.5
114	MP2A	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-26.491	.5
2	MP2A	Z	-15.294	.5
3	MP2A	Mx	.022	.5
4	MP2A	X	-26.491	4.5
5	MP2A	Z	-15.294	4.5
6	MP2A	Mx	.022	4.5
7	MP2B	X	-28.175	.5
8	MP2B	Z	-16.267	.5
9	MP2B	Mx	-.023	.5
10	MP2B	X	-28.175	4.5
11	MP2B	Z	-16.267	4.5
12	MP2B	Mx	-.023	4.5
13	MP2C	X	-27.387	.5
14	MP2C	Z	-15.812	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	-27.387	4.5
17	MP2C	Z	-15.812	4.5
18	MP2C	Mx	.004	4.5
19	MP2A	X	-26.491	.5
20	MP2A	Z	-15.294	.5
21	MP2A	Mx	.004	.5
22	MP2A	X	-26.491	4.5
23	MP2A	Z	-15.294	4.5
24	MP2A	Mx	.004	4.5
25	MP2B	X	-28.175	.5
26	MP2B	Z	-16.267	.5
27	MP2B	Mx	.012	.5
28	MP2B	X	-28.175	4.5
29	MP2B	Z	-16.267	4.5
30	MP2B	Mx	.012	4.5
31	MP2C	X	-27.387	.5
32	MP2C	Z	-15.812	.5
33	MP2C	Mx	-.024	.5
34	MP2C	X	-27.387	4.5
35	MP2C	Z	-15.812	4.5
36	MP2C	Mx	-.024	4.5
37	MP3A	X	-9.591	.5
38	MP3A	Z	-5.537	.5
39	MP3A	Mx	.005	.5
40	MP3A	X	-9.591	2.5
41	MP3A	Z	-5.537	2.5
42	MP3A	Mx	.005	2.5
43	MP3B	X	-15.711	.5
44	MP3B	Z	-9.07	.5
45	MP3B	Mx	-.003	.5
46	MP3B	X	-15.711	2.5
47	MP3B	Z	-9.07	2.5
48	MP3B	Mx	-.003	2.5
49	MP3C	X	-12.847	.5
50	MP3C	Z	-7.417	.5
51	MP3C	Mx	-.005	.5
52	MP3C	X	-12.847	2.5
53	MP3C	Z	-7.417	2.5
54	MP3C	Mx	-.005	2.5
55	MP2A	X	-10.955	.5
56	MP2A	Z	-6.325	.5
57	MP2A	Mx	-.005	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-10.955	.5
59	MP2B	Z	-6.325	.5
60	MP2B	Mx	-.005	.5
61	MP2C	X	-10.955	.5
62	MP2C	Z	-6.325	.5
63	MP2C	Mx	-.005	.5
64	MP1A	X	-9.723	.5
65	MP1A	Z	-5.614	.5
66	MP1A	Mx	-.005	.5
67	MP1B	X	-9.723	.5
68	MP1B	Z	-5.614	.5
69	MP1B	Mx	-.005	.5
70	MP1C	X	-9.723	.5
71	MP1C	Z	-5.614	.5
72	MP1C	Mx	-.005	.5
73	OVP	X	-22.259	1.5
74	OVP	Z	-12.851	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-30.721	.5
77	MP1A	Z	-17.737	.5
78	MP1A	Mx	.015	.5
79	MP1A	X	-30.721	4.5
80	MP1A	Z	-17.737	4.5
81	MP1A	Mx	.015	4.5
82	MP4A	X	-30.721	.5
83	MP4A	Z	-17.737	.5
84	MP4A	Mx	.015	.5
85	MP4A	X	-30.721	4.5
86	MP4A	Z	-17.737	4.5
87	MP4A	Mx	.015	4.5
88	MP1B	X	-17.75	.5
89	MP1B	Z	-10.248	.5
90	MP1B	Mx	-.004	.5
91	MP1B	X	-17.75	4.5
92	MP1B	Z	-10.248	4.5
93	MP1B	Mx	-.004	4.5
94	MP4B	X	-17.75	.5
95	MP4B	Z	-10.248	.5
96	MP4B	Mx	-.004	.5
97	MP4B	X	-17.75	4.5
98	MP4B	Z	-10.248	4.5
99	MP4B	Mx	-.004	4.5
100	MP1C	X	-13.81	.5
101	MP1C	Z	-7.973	.5
102	MP1C	Mx	-.005	.5
103	MP1C	X	-13.81	4.5
104	MP1C	Z	-7.973	4.5
105	MP1C	Mx	-.005	4.5
106	MP4C	X	-13.81	.5
107	MP4C	Z	-7.973	.5
108	MP4C	Mx	-.005	.5
109	MP4C	X	-13.81	4.5
110	MP4C	Z	-7.973	4.5
111	MP4C	Mx	-.005	4.5
112	MP2A	X	-4.123	2.5
113	MP2A	Z	-2.381	2.5
114	MP2A	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-16.063	.5
2	MP2A	Z	-27.821	.5
3	MP2A	Mx	.024	.5
4	MP2A	X	-16.063	4.5
5	MP2A	Z	-27.821	4.5
6	MP2A	Mx	.024	4.5
7	MP2B	X	-16.4	.5
8	MP2B	Z	-28.406	.5
9	MP2B	Mx	-.016	.5
10	MP2B	X	-16.4	4.5
11	MP2B	Z	-28.406	4.5
12	MP2B	Mx	-.016	4.5
13	MP2C	X	-15.09	.5
14	MP2C	Z	-26.137	.5
15	MP2C	Mx	-.008	.5
16	MP2C	X	-15.09	4.5
17	MP2C	Z	-26.137	4.5
18	MP2C	Mx	-.008	4.5
19	MP2A	X	-16.063	.5
20	MP2A	Z	-27.821	.5
21	MP2A	Mx	-.008	.5
22	MP2A	X	-16.063	4.5
23	MP2A	Z	-27.821	4.5
24	MP2A	Mx	-.008	4.5
25	MP2B	X	-16.4	.5
26	MP2B	Z	-28.406	.5
27	MP2B	Mx	.022	.5
28	MP2B	X	-16.4	4.5
29	MP2B	Z	-28.406	4.5
30	MP2B	Mx	.022	4.5
31	MP2C	X	-15.09	.5
32	MP2C	Z	-26.137	.5
33	MP2C	Mx	-.02	.5
34	MP2C	X	-15.09	4.5
35	MP2C	Z	-26.137	4.5
36	MP2C	Mx	-.02	4.5
37	MP3A	X	-8.328	.5
38	MP3A	Z	-14.425	.5
39	MP3A	Mx	.004	.5
40	MP3A	X	-8.328	2.5
41	MP3A	Z	-14.425	2.5
42	MP3A	Mx	.004	2.5
43	MP3B	X	-9.555	.5
44	MP3B	Z	-16.55	.5
45	MP3B	Mx	.002	.5
46	MP3B	X	-9.555	2.5
47	MP3B	Z	-16.55	2.5
48	MP3B	Mx	.002	2.5
49	MP3C	X	-4.795	.5
50	MP3C	Z	-8.305	.5
51	MP3C	Mx	-.005	.5
52	MP3C	X	-4.795	2.5
53	MP3C	Z	-8.305	2.5
54	MP3C	Mx	-.005	2.5
55	MP2A	X	-7.572	.5
56	MP2A	Z	-13.115	.5
57	MP2A	Mx	-.004	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-7.572	.5
59	MP2B	Z	-13.115	.5
60	MP2B	Mx	-.004	.5
61	MP2C	X	-7.572	.5
62	MP2C	Z	-13.115	.5
63	MP2C	Mx	-.004	.5
64	MP1A	X	-7.335	.5
65	MP1A	Z	-12.704	.5
66	MP1A	Mx	-.004	.5
67	MP1B	X	-7.335	.5
68	MP1B	Z	-12.704	.5
69	MP1B	Mx	-.004	.5
70	MP1C	X	-7.335	.5
71	MP1C	Z	-12.704	.5
72	MP1C	Mx	-.004	.5
73	OVP	X	-15.193	1.5
74	OVP	Z	-26.315	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-18.699	.5
77	MP1A	Z	-32.388	.5
78	MP1A	Mx	.009	.5
79	MP1A	X	-18.699	4.5
80	MP1A	Z	-32.388	4.5
81	MP1A	Mx	.009	4.5
82	MP4A	X	-18.699	.5
83	MP4A	Z	-32.388	.5
84	MP4A	Mx	.009	.5
85	MP4A	X	-18.699	4.5
86	MP4A	Z	-32.388	4.5
87	MP4A	Mx	.009	4.5
88	MP1B	X	-9.549	.5
89	MP1B	Z	-16.539	.5
90	MP1B	Mx	.002	.5
91	MP1B	X	-9.549	4.5
92	MP1B	Z	-16.539	4.5
93	MP1B	Mx	.002	4.5
94	MP4B	X	-9.549	.5
95	MP4B	Z	-16.539	.5
96	MP4B	Mx	.002	.5
97	MP4B	X	-9.549	4.5
98	MP4B	Z	-16.539	4.5
99	MP4B	Mx	.002	4.5
100	MP1C	X	-10.451	.5
101	MP1C	Z	-18.102	.5
102	MP1C	Mx	-.01	.5
103	MP1C	X	-10.451	4.5
104	MP1C	Z	-18.102	4.5
105	MP1C	Mx	-.01	4.5
106	MP4C	X	-10.451	.5
107	MP4C	Z	-18.102	.5
108	MP4C	Mx	-.01	.5
109	MP4C	X	-10.451	4.5
110	MP4C	Z	-18.102	4.5
111	MP4C	Mx	-.01	4.5
112	MP2A	X	-3.774	2.5
113	MP2A	Z	-6.537	2.5
114	MP2A	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	-3.362	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	0	4.5
5	MP2A	Z	-3.362	4.5
6	MP2A	Mx	.002	4.5
7	MP2B	X	0	.5
8	MP2B	Z	-3.721	.5
9	MP2B	Mx	-.000467	.5
10	MP2B	X	0	4.5
11	MP2B	Z	-3.721	4.5
12	MP2B	Mx	-.000467	4.5
13	MP2C	X	0	.5
14	MP2C	Z	-4.206	.5
15	MP2C	Mx	-.002	.5
16	MP2C	X	0	4.5
17	MP2C	Z	-4.206	4.5
18	MP2C	Mx	-.002	4.5
19	MP2A	X	0	.5
20	MP2A	Z	-3.362	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	0	4.5
23	MP2A	Z	-3.362	4.5
24	MP2A	Mx	-.002	4.5
25	MP2B	X	0	.5
26	MP2B	Z	-3.721	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	0	4.5
29	MP2B	Z	-3.721	4.5
30	MP2B	Mx	.003	4.5
31	MP2C	X	0	.5
32	MP2C	Z	-4.206	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	0	4.5
35	MP2C	Z	-4.206	4.5
36	MP2C	Mx	-.002	4.5
37	MP3A	X	0	.5
38	MP3A	Z	-6.196	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2.5
41	MP3A	Z	-6.196	2.5
42	MP3A	Mx	0	2.5
43	MP3B	X	0	.5
44	MP3B	Z	-4.638	.5
45	MP3B	Mx	.001	.5
46	MP3B	X	0	2.5
47	MP3B	Z	-4.638	2.5
48	MP3B	Mx	.001	2.5
49	MP3C	X	0	.5
50	MP3C	Z	-2.539	.5
51	MP3C	Mx	-.001	.5
52	MP3C	X	0	2.5
53	MP3C	Z	-2.539	2.5
54	MP3C	Mx	-.001	2.5
55	MP2A	X	0	.5
56	MP2A	Z	-4.087	.5
57	MP2A	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	.5
59	MP2B	Z	-4.087	.5
60	MP2B	Mx	0	.5
61	MP2C	X	0	.5
62	MP2C	Z	-4.087	.5
63	MP2C	Mx	0	.5
64	MP1A	X	0	.5
65	MP1A	Z	-4.087	.5
66	MP1A	Mx	0	.5
67	MP1B	X	0	.5
68	MP1B	Z	-4.087	.5
69	MP1B	Mx	0	.5
70	MP1C	X	0	.5
71	MP1C	Z	-4.087	.5
72	MP1C	Mx	0	.5
73	OVP	X	0	1.5
74	OVP	Z	-8.298	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	0	.5
77	MP1A	Z	-12.656	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	4.5
80	MP1A	Z	-12.656	4.5
81	MP1A	Mx	0	4.5
82	MP4A	X	0	.5
83	MP4A	Z	-12.656	.5
84	MP4A	Mx	0	.5
85	MP4A	X	0	4.5
86	MP4A	Z	-12.656	4.5
87	MP4A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	-8.05	.5
90	MP1B	Mx	.003	.5
91	MP1B	X	0	4.5
92	MP1B	Z	-8.05	4.5
93	MP1B	Mx	.003	4.5
94	MP4B	X	0	.5
95	MP4B	Z	-8.05	.5
96	MP4B	Mx	.003	.5
97	MP4B	X	0	4.5
98	MP4B	Z	-8.05	4.5
99	MP4B	Mx	.003	4.5
100	MP1C	X	0	.5
101	MP1C	Z	-7.007	.5
102	MP1C	Mx	-.003	.5
103	MP1C	X	0	4.5
104	MP1C	Z	-7.007	4.5
105	MP1C	Mx	-.003	4.5
106	MP4C	X	0	.5
107	MP4C	Z	-7.007	.5
108	MP4C	Mx	-.003	.5
109	MP4C	X	0	4.5
110	MP4C	Z	-7.007	4.5
111	MP4C	Mx	-.003	4.5
112	MP2A	X	0	2.5
113	MP2A	Z	-2.514	2.5
114	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.79	.5
2	MP2A	Z	-3.1	.5
3	MP2A	Mx	.000913	.5
4	MP2A	X	1.79	4.5
5	MP2A	Z	-3.1	4.5
6	MP2A	Mx	.000913	4.5
7	MP2B	X	2.065	.5
8	MP2B	Z	-3.577	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	2.065	4.5
11	MP2B	Z	-3.577	4.5
12	MP2B	Mx	.001	4.5
13	MP2C	X	1.936	.5
14	MP2C	Z	-3.354	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	1.936	4.5
17	MP2C	Z	-3.354	4.5
18	MP2C	Mx	-.003	4.5
19	MP2A	X	1.79	.5
20	MP2A	Z	-3.1	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	1.79	4.5
23	MP2A	Z	-3.1	4.5
24	MP2A	Mx	-.003	4.5
25	MP2B	X	2.065	.5
26	MP2B	Z	-3.577	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	2.065	4.5
29	MP2B	Z	-3.577	4.5
30	MP2B	Mx	.003	4.5
31	MP2C	X	1.936	.5
32	MP2C	Z	-3.354	.5
33	MP2C	Mx	-3.2e-5	.5
34	MP2C	X	1.936	4.5
35	MP2C	Z	-3.354	4.5
36	MP2C	Mx	-3.2e-5	4.5
37	MP3A	X	2.627	.5
38	MP3A	Z	-4.55	.5
39	MP3A	Mx	-.001	.5
40	MP3A	X	2.627	2.5
41	MP3A	Z	-4.55	2.5
42	MP3A	Mx	-.001	2.5
43	MP3B	X	1.433	.5
44	MP3B	Z	-2.483	.5
45	MP3B	Mx	.001	.5
46	MP3B	X	1.433	2.5
47	MP3B	Z	-2.483	2.5
48	MP3B	Mx	.001	2.5
49	MP3C	X	1.992	.5
50	MP3C	Z	-3.45	.5
51	MP3C	Mx	-.002	.5
52	MP3C	X	1.992	2.5
53	MP3C	Z	-3.45	2.5
54	MP3C	Mx	-.002	2.5
55	MP2A	X	1.875	.5
56	MP2A	Z	-3.248	.5
57	MP2A	Mx	.000938	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	1.875	.5
59	MP2B	Z	-3.248	.5
60	MP2B	Mx	.000938	.5
61	MP2C	X	1.875	.5
62	MP2C	Z	-3.248	.5
63	MP2C	Mx	.000938	.5
64	MP1A	X	1.813	.5
65	MP1A	Z	-3.14	.5
66	MP1A	Mx	.000906	.5
67	MP1B	X	1.813	.5
68	MP1B	Z	-3.14	.5
69	MP1B	Mx	.000906	.5
70	MP1C	X	1.813	.5
71	MP1C	Z	-3.14	.5
72	MP1C	Mx	.000906	.5
73	OVP	X	3.765	1.5
74	OVP	Z	-6.521	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	6.159	.5
77	MP1A	Z	-10.668	.5
78	MP1A	Mx	-.003	.5
79	MP1A	X	6.159	4.5
80	MP1A	Z	-10.668	4.5
81	MP1A	Mx	-.003	4.5
82	MP4A	X	6.159	.5
83	MP4A	Z	-10.668	.5
84	MP4A	Mx	-.003	.5
85	MP4A	X	6.159	4.5
86	MP4A	Z	-10.668	4.5
87	MP4A	Mx	-.003	4.5
88	MP1B	X	5.356	.5
89	MP1B	Z	-9.277	.5
90	MP1B	Mx	.005	.5
91	MP1B	X	5.356	4.5
92	MP1B	Z	-9.277	4.5
93	MP1B	Mx	.005	4.5
94	MP4B	X	5.356	.5
95	MP4B	Z	-9.277	.5
96	MP4B	Mx	.005	.5
97	MP4B	X	5.356	4.5
98	MP4B	Z	-9.277	4.5
99	MP4B	Mx	.005	4.5
100	MP1C	X	2.799	.5
101	MP1C	Z	-4.848	.5
102	MP1C	Mx	-.002	.5
103	MP1C	X	2.799	4.5
104	MP1C	Z	-4.848	4.5
105	MP1C	Mx	-.002	4.5
106	MP4C	X	2.799	.5
107	MP4C	Z	-4.848	.5
108	MP4C	Mx	-.002	.5
109	MP4C	X	2.799	4.5
110	MP4C	Z	-4.848	4.5
111	MP4C	Mx	-.002	4.5
112	MP2A	X	1.038	2.5
113	MP2A	Z	-1.798	2.5
114	MP2A	Mx	.000519	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.476	.5
2	MP2A	Z	-2.007	.5
3	MP2A	Mx	-.000567	.5
4	MP2A	X	3.476	4.5
5	MP2A	Z	-2.007	4.5
6	MP2A	Mx	-.000567	4.5
7	MP2B	X	3.642	.5
8	MP2B	Z	-2.103	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	3.642	4.5
11	MP2B	Z	-2.103	4.5
12	MP2B	Mx	.002	4.5
13	MP2C	X	2.999	.5
14	MP2C	Z	-1.732	.5
15	MP2C	Mx	-.002	.5
16	MP2C	X	2.999	4.5
17	MP2C	Z	-1.732	4.5
18	MP2C	Mx	-.002	4.5
19	MP2A	X	3.476	.5
20	MP2A	Z	-2.007	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	3.476	4.5
23	MP2A	Z	-2.007	4.5
24	MP2A	Mx	-.003	4.5
25	MP2B	X	3.642	.5
26	MP2B	Z	-2.103	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	3.642	4.5
29	MP2B	Z	-2.103	4.5
30	MP2B	Mx	.002	4.5
31	MP2C	X	2.999	.5
32	MP2C	Z	-1.732	.5
33	MP2C	Mx	.001	.5
34	MP2C	X	2.999	4.5
35	MP2C	Z	-1.732	4.5
36	MP2C	Mx	.001	4.5
37	MP3A	X	2.917	.5
38	MP3A	Z	-1.684	.5
39	MP3A	Mx	-.001	.5
40	MP3A	X	2.917	2.5
41	MP3A	Z	-1.684	2.5
42	MP3A	Mx	-.001	2.5
43	MP3B	X	2.199	.5
44	MP3B	Z	-1.27	.5
45	MP3B	Mx	.001	.5
46	MP3B	X	2.199	2.5
47	MP3B	Z	-1.27	2.5
48	MP3B	Mx	.001	2.5
49	MP3C	X	4.984	.5
50	MP3C	Z	-2.878	.5
51	MP3C	Mx	-.000984	.5
52	MP3C	X	4.984	2.5
53	MP3C	Z	-2.878	2.5
54	MP3C	Mx	-.000984	2.5
55	MP2A	X	2.666	.5
56	MP2A	Z	-1.539	.5
57	MP2A	Mx	.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	2.666	.5
59	MP2B	Z	-1.539	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	2.666	.5
62	MP2C	Z	-1.539	.5
63	MP2C	Mx	.001	.5
64	MP1A	X	2.34	.5
65	MP1A	Z	-1.351	.5
66	MP1A	Mx	.001	.5
67	MP1B	X	2.34	.5
68	MP1B	Z	-1.351	.5
69	MP1B	Mx	.001	.5
70	MP1C	X	2.34	.5
71	MP1C	Z	-1.351	.5
72	MP1C	Mx	.001	.5
73	OVP	X	5.706	1.5
74	OVP	Z	-3.294	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	10.082	.5
77	MP1A	Z	-5.821	.5
78	MP1A	Mx	-.005	.5
79	MP1A	X	10.082	4.5
80	MP1A	Z	-5.821	4.5
81	MP1A	Mx	-.005	4.5
82	MP4A	X	10.082	.5
83	MP4A	Z	-5.821	.5
84	MP4A	Mx	-.005	.5
85	MP4A	X	10.082	4.5
86	MP4A	Z	-5.821	4.5
87	MP4A	Mx	-.005	4.5
88	MP1B	X	9.703	.5
89	MP1B	Z	-5.602	.5
90	MP1B	Mx	.006	.5
91	MP1B	X	9.703	4.5
92	MP1B	Z	-5.602	4.5
93	MP1B	Mx	.006	4.5
94	MP4B	X	9.703	.5
95	MP4B	Z	-5.602	.5
96	MP4B	Mx	.006	.5
97	MP4B	X	9.703	4.5
98	MP4B	Z	-5.602	4.5
99	MP4B	Mx	.006	4.5
100	MP1C	X	3.352	.5
101	MP1C	Z	-1.935	.5
102	MP1C	Mx	-.000662	.5
103	MP1C	X	3.352	4.5
104	MP1C	Z	-1.935	4.5
105	MP1C	Mx	-.000662	4.5
106	MP4C	X	3.352	.5
107	MP4C	Z	-1.935	.5
108	MP4C	Mx	-.000662	.5
109	MP4C	X	3.352	4.5
110	MP4C	Z	-1.935	4.5
111	MP4C	Mx	-.000662	4.5
112	MP2A	X	1.039	2.5
113	MP2A	Z	-.6	2.5
114	MP2A	Mx	.00052	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.232	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	4.232	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	-.002	4.5
7	MP2B	X	3.872	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	3.872	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	.003	4.5
13	MP2C	X	3.388	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.002	.5
16	MP2C	X	3.388	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	-.002	4.5
19	MP2A	X	4.232	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	4.232	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	-.002	4.5
25	MP2B	X	3.872	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	3.1e-5	.5
28	MP2B	X	3.872	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	3.1e-5	4.5
31	MP2C	X	3.388	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	3.388	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	.002	4.5
37	MP3A	X	2.426	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	-.001	.5
40	MP3A	X	2.426	2.5
41	MP3A	Z	0	2.5
42	MP3A	Mx	-.001	2.5
43	MP3B	X	3.984	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	.002	.5
46	MP3B	X	3.984	2.5
47	MP3B	Z	0	2.5
48	MP3B	Mx	.002	2.5
49	MP3C	X	6.082	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	.000528	.5
52	MP3C	X	6.082	2.5
53	MP3C	Z	0	2.5
54	MP3C	Mx	.000528	2.5
55	MP2A	X	2.742	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	2.742	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	2.742	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	.001	.5
64	MP1A	X	2.241	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	.001	.5
67	MP1B	X	2.241	.5
68	MP1B	Z	0	.5
69	MP1B	Mx	.001	.5
70	MP1C	X	2.241	.5
71	MP1C	Z	0	.5
72	MP1C	Mx	.001	.5
73	OVP	X	6.415	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	11.304	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.006	.5
79	MP1A	X	11.304	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	-.006	4.5
82	MP4A	X	11.304	.5
83	MP4A	Z	0	.5
84	MP4A	Mx	-.006	.5
85	MP4A	X	11.304	4.5
86	MP4A	Z	0	4.5
87	MP4A	Mx	-.006	4.5
88	MP1B	X	9.034	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	.003	.5
91	MP1B	X	9.034	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	.003	4.5
94	MP4B	X	9.034	.5
95	MP4B	Z	0	.5
96	MP4B	Mx	.003	.5
97	MP4B	X	9.034	4.5
98	MP4B	Z	0	4.5
99	MP4B	Mx	.003	4.5
100	MP1C	X	3.552	.5
101	MP1C	Z	0	.5
102	MP1C	Mx	.000308	.5
103	MP1C	X	3.552	4.5
104	MP1C	Z	0	4.5
105	MP1C	Mx	.000308	4.5
106	MP4C	X	3.552	.5
107	MP4C	Z	0	.5
108	MP4C	Mx	.000308	.5
109	MP4C	X	3.552	4.5
110	MP4C	Z	0	4.5
111	MP4C	Mx	.000308	4.5
112	MP2A	X	.762	2.5
113	MP2A	Z	0	2.5
114	MP2A	Mx	.000381	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	3.476	.5
2	MP2A	Z	2.007	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	3.476	4.5
5	MP2A	Z	2.007	4.5
6	MP2A	Mx	-.003	4.5
7	MP2B	X	2.999	.5
8	MP2B	Z	1.732	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	2.999	4.5
11	MP2B	Z	1.732	4.5
12	MP2B	Mx	.002	4.5
13	MP2C	X	3.223	.5
14	MP2C	Z	1.861	.5
15	MP2C	Mx	-.000467	.5
16	MP2C	X	3.223	4.5
17	MP2C	Z	1.861	4.5
18	MP2C	Mx	-.000467	4.5
19	MP2A	X	3.476	.5
20	MP2A	Z	2.007	.5
21	MP2A	Mx	-.000567	.5
22	MP2A	X	3.476	4.5
23	MP2A	Z	2.007	4.5
24	MP2A	Mx	-.000567	4.5
25	MP2B	X	2.999	.5
26	MP2B	Z	1.732	.5
27	MP2B	Mx	-.001	.5
28	MP2B	X	2.999	4.5
29	MP2B	Z	1.732	4.5
30	MP2B	Mx	-.001	4.5
31	MP2C	X	3.223	.5
32	MP2C	Z	1.861	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	3.223	4.5
35	MP2C	Z	1.861	4.5
36	MP2C	Mx	.003	4.5
37	MP3A	X	2.917	.5
38	MP3A	Z	1.684	.5
39	MP3A	Mx	-.001	.5
40	MP3A	X	2.917	2.5
41	MP3A	Z	1.684	2.5
42	MP3A	Mx	-.001	2.5
43	MP3B	X	4.984	.5
44	MP3B	Z	2.878	.5
45	MP3B	Mx	.000984	.5
46	MP3B	X	4.984	2.5
47	MP3B	Z	2.878	2.5
48	MP3B	Mx	.000984	2.5
49	MP3C	X	4.017	.5
50	MP3C	Z	2.319	.5
51	MP3C	Mx	.001	.5
52	MP3C	X	4.017	2.5
53	MP3C	Z	2.319	2.5
54	MP3C	Mx	.001	2.5
55	MP2A	X	2.666	.5
56	MP2A	Z	1.539	.5
57	MP2A	Mx	.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	2.666	.5
59	MP2B	Z	1.539	.5
60	MP2B	Mx	.001	.5
61	MP2C	X	2.666	.5
62	MP2C	Z	1.539	.5
63	MP2C	Mx	.001	.5
64	MP1A	X	2.34	.5
65	MP1A	Z	1.351	.5
66	MP1A	Mx	.001	.5
67	MP1B	X	2.34	.5
68	MP1B	Z	1.351	.5
69	MP1B	Mx	.001	.5
70	MP1C	X	2.34	.5
71	MP1C	Z	1.351	.5
72	MP1C	Mx	.001	.5
73	OVP	X	6.22	1.5
74	OVP	Z	3.591	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	10.082	.5
77	MP1A	Z	5.821	.5
78	MP1A	Mx	-.005	.5
79	MP1A	X	10.082	4.5
80	MP1A	Z	5.821	4.5
81	MP1A	Mx	-.005	4.5
82	MP4A	X	10.082	.5
83	MP4A	Z	5.821	.5
84	MP4A	Mx	-.005	.5
85	MP4A	X	10.082	4.5
86	MP4A	Z	5.821	4.5
87	MP4A	Mx	-.005	4.5
88	MP1B	X	5.518	.5
89	MP1B	Z	3.186	.5
90	MP1B	Mx	.001	.5
91	MP1B	X	5.518	4.5
92	MP1B	Z	3.186	4.5
93	MP1B	Mx	.001	4.5
94	MP4B	X	5.518	.5
95	MP4B	Z	3.186	.5
96	MP4B	Mx	.001	.5
97	MP4B	X	5.518	4.5
98	MP4B	Z	3.186	4.5
99	MP4B	Mx	.001	4.5
100	MP1C	X	4.295	.5
101	MP1C	Z	2.48	.5
102	MP1C	Mx	.002	.5
103	MP1C	X	4.295	4.5
104	MP1C	Z	2.48	4.5
105	MP1C	Mx	.002	4.5
106	MP4C	X	4.295	.5
107	MP4C	Z	2.48	.5
108	MP4C	Mx	.002	.5
109	MP4C	X	4.295	4.5
110	MP4C	Z	2.48	4.5
111	MP4C	Mx	.002	4.5
112	MP2A	X	1.039	2.5
113	MP2A	Z	.6	2.5
114	MP2A	Mx	.00052	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	1.79	.5
2	MP2A	Z	3.1	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	1.79	4.5
5	MP2A	Z	3.1	4.5
6	MP2A	Mx	-.003	4.5
7	MP2B	X	1.694	.5
8	MP2B	Z	2.934	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	1.694	4.5
11	MP2B	Z	2.934	4.5
12	MP2B	Mx	.002	4.5
13	MP2C	X	2.065	.5
14	MP2C	Z	3.577	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	2.065	4.5
17	MP2C	Z	3.577	4.5
18	MP2C	Mx	.001	4.5
19	MP2A	X	1.79	.5
20	MP2A	Z	3.1	.5
21	MP2A	Mx	.000913	.5
22	MP2A	X	1.79	4.5
23	MP2A	Z	3.1	4.5
24	MP2A	Mx	.000913	4.5
25	MP2B	X	1.694	.5
26	MP2B	Z	2.934	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	1.694	4.5
29	MP2B	Z	2.934	4.5
30	MP2B	Mx	-.002	4.5
31	MP2C	X	2.065	.5
32	MP2C	Z	3.577	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	2.065	4.5
35	MP2C	Z	3.577	4.5
36	MP2C	Mx	.003	4.5
37	MP3A	X	2.627	.5
38	MP3A	Z	4.55	.5
39	MP3A	Mx	-.001	.5
40	MP3A	X	2.627	2.5
41	MP3A	Z	4.55	2.5
42	MP3A	Mx	-.001	2.5
43	MP3B	X	3.041	.5
44	MP3B	Z	5.268	.5
45	MP3B	Mx	-.000528	.5
46	MP3B	X	3.041	2.5
47	MP3B	Z	5.268	2.5
48	MP3B	Mx	-.000528	2.5
49	MP3C	X	1.433	.5
50	MP3C	Z	2.483	.5
51	MP3C	Mx	.001	.5
52	MP3C	X	1.433	2.5
53	MP3C	Z	2.483	2.5
54	MP3C	Mx	.001	2.5
55	MP2A	X	1.875	.5
56	MP2A	Z	3.248	.5
57	MP2A	Mx	.000938	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	1.875	.5
59	MP2B	Z	3.248	.5
60	MP2B	Mx	.000938	.5
61	MP2C	X	1.875	.5
62	MP2C	Z	3.248	.5
63	MP2C	Mx	.000938	.5
64	MP1A	X	1.813	.5
65	MP1A	Z	3.14	.5
66	MP1A	Mx	.000906	.5
67	MP1B	X	1.813	.5
68	MP1B	Z	3.14	.5
69	MP1B	Mx	.000906	.5
70	MP1C	X	1.813	.5
71	MP1C	Z	3.14	.5
72	MP1C	Mx	.000906	.5
73	OVP	X	4.062	1.5
74	OVP	Z	7.035	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	6.159	.5
77	MP1A	Z	10.668	.5
78	MP1A	Mx	-.003	.5
79	MP1A	X	6.159	4.5
80	MP1A	Z	10.668	4.5
81	MP1A	Mx	-.003	4.5
82	MP4A	X	6.159	.5
83	MP4A	Z	10.668	.5
84	MP4A	Mx	-.003	.5
85	MP4A	X	6.159	4.5
86	MP4A	Z	10.668	4.5
87	MP4A	Mx	-.003	4.5
88	MP1B	X	2.94	.5
89	MP1B	Z	5.092	.5
90	MP1B	Mx	-.00051	.5
91	MP1B	X	2.94	4.5
92	MP1B	Z	5.092	4.5
93	MP1B	Mx	-.00051	4.5
94	MP4B	X	2.94	.5
95	MP4B	Z	5.092	.5
96	MP4B	Mx	-.00051	.5
97	MP4B	X	2.94	4.5
98	MP4B	Z	5.092	4.5
99	MP4B	Mx	-.00051	4.5
100	MP1C	X	3.344	.5
101	MP1C	Z	5.791	.5
102	MP1C	Mx	.003	.5
103	MP1C	X	3.344	4.5
104	MP1C	Z	5.791	4.5
105	MP1C	Mx	.003	4.5
106	MP4C	X	3.344	.5
107	MP4C	Z	5.791	.5
108	MP4C	Mx	.003	.5
109	MP4C	X	3.344	4.5
110	MP4C	Z	5.791	4.5
111	MP4C	Mx	.003	4.5
112	MP2A	X	1.038	2.5
113	MP2A	Z	1.798	2.5
114	MP2A	Mx	.000519	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	3.362	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	0	4.5
5	MP2A	Z	3.362	4.5
6	MP2A	Mx	-.002	4.5
7	MP2B	X	0	.5
8	MP2B	Z	3.721	.5
9	MP2B	Mx	.000467	.5
10	MP2B	X	0	4.5
11	MP2B	Z	3.721	4.5
12	MP2B	Mx	.000467	4.5
13	MP2C	X	0	.5
14	MP2C	Z	4.206	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	0	4.5
17	MP2C	Z	4.206	4.5
18	MP2C	Mx	.002	4.5
19	MP2A	X	0	.5
20	MP2A	Z	3.362	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	0	4.5
23	MP2A	Z	3.362	4.5
24	MP2A	Mx	.002	4.5
25	MP2B	X	0	.5
26	MP2B	Z	3.721	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	0	4.5
29	MP2B	Z	3.721	4.5
30	MP2B	Mx	-.003	4.5
31	MP2C	X	0	.5
32	MP2C	Z	4.206	.5
33	MP2C	Mx	.002	.5
34	MP2C	X	0	4.5
35	MP2C	Z	4.206	4.5
36	MP2C	Mx	.002	4.5
37	MP3A	X	0	.5
38	MP3A	Z	6.196	.5
39	MP3A	Mx	0	.5
40	MP3A	X	0	2.5
41	MP3A	Z	6.196	2.5
42	MP3A	Mx	0	2.5
43	MP3B	X	0	.5
44	MP3B	Z	4.638	.5
45	MP3B	Mx	-.001	.5
46	MP3B	X	0	2.5
47	MP3B	Z	4.638	2.5
48	MP3B	Mx	-.001	2.5
49	MP3C	X	0	.5
50	MP3C	Z	2.539	.5
51	MP3C	Mx	.001	.5
52	MP3C	X	0	2.5
53	MP3C	Z	2.539	2.5
54	MP3C	Mx	.001	2.5
55	MP2A	X	0	.5
56	MP2A	Z	4.087	.5
57	MP2A	Mx	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	0	.5
59	MP2B	Z	4.087	.5
60	MP2B	Mx	0	.5
61	MP2C	X	0	.5
62	MP2C	Z	4.087	.5
63	MP2C	Mx	0	.5
64	MP1A	X	0	.5
65	MP1A	Z	4.087	.5
66	MP1A	Mx	0	.5
67	MP1B	X	0	.5
68	MP1B	Z	4.087	.5
69	MP1B	Mx	0	.5
70	MP1C	X	0	.5
71	MP1C	Z	4.087	.5
72	MP1C	Mx	0	.5
73	OVP	X	0	1.5
74	OVP	Z	8.298	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	0	.5
77	MP1A	Z	12.656	.5
78	MP1A	Mx	0	.5
79	MP1A	X	0	4.5
80	MP1A	Z	12.656	4.5
81	MP1A	Mx	0	4.5
82	MP4A	X	0	.5
83	MP4A	Z	12.656	.5
84	MP4A	Mx	0	.5
85	MP4A	X	0	4.5
86	MP4A	Z	12.656	4.5
87	MP4A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	8.05	.5
90	MP1B	Mx	-.003	.5
91	MP1B	X	0	4.5
92	MP1B	Z	8.05	4.5
93	MP1B	Mx	-.003	4.5
94	MP4B	X	0	.5
95	MP4B	Z	8.05	.5
96	MP4B	Mx	-.003	.5
97	MP4B	X	0	4.5
98	MP4B	Z	8.05	4.5
99	MP4B	Mx	-.003	4.5
100	MP1C	X	0	.5
101	MP1C	Z	7.007	.5
102	MP1C	Mx	.003	.5
103	MP1C	X	0	4.5
104	MP1C	Z	7.007	4.5
105	MP1C	Mx	.003	4.5
106	MP4C	X	0	.5
107	MP4C	Z	7.007	.5
108	MP4C	Mx	.003	.5
109	MP4C	X	0	4.5
110	MP4C	Z	7.007	4.5
111	MP4C	Mx	.003	4.5
112	MP2A	X	0	2.5
113	MP2A	Z	2.514	2.5
114	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.79	.5
2	MP2A	Z	3.1	.5
3	MP2A	Mx	-.000913	.5
4	MP2A	X	-1.79	4.5
5	MP2A	Z	3.1	4.5
6	MP2A	Mx	-.000913	4.5
7	MP2B	X	-2.065	.5
8	MP2B	Z	3.577	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	-2.065	4.5
11	MP2B	Z	3.577	4.5
12	MP2B	Mx	-.001	4.5
13	MP2C	X	-1.936	.5
14	MP2C	Z	3.354	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	-1.936	4.5
17	MP2C	Z	3.354	4.5
18	MP2C	Mx	.003	4.5
19	MP2A	X	-1.79	.5
20	MP2A	Z	3.1	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-1.79	4.5
23	MP2A	Z	3.1	4.5
24	MP2A	Mx	.003	4.5
25	MP2B	X	-2.065	.5
26	MP2B	Z	3.577	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	-2.065	4.5
29	MP2B	Z	3.577	4.5
30	MP2B	Mx	-.003	4.5
31	MP2C	X	-1.936	.5
32	MP2C	Z	3.354	.5
33	MP2C	Mx	3.2e-5	.5
34	MP2C	X	-1.936	4.5
35	MP2C	Z	3.354	4.5
36	MP2C	Mx	3.2e-5	4.5
37	MP3A	X	-2.627	.5
38	MP3A	Z	4.55	.5
39	MP3A	Mx	.001	.5
40	MP3A	X	-2.627	2.5
41	MP3A	Z	4.55	2.5
42	MP3A	Mx	.001	2.5
43	MP3B	X	-1.433	.5
44	MP3B	Z	2.483	.5
45	MP3B	Mx	-.001	.5
46	MP3B	X	-1.433	2.5
47	MP3B	Z	2.483	2.5
48	MP3B	Mx	-.001	2.5
49	MP3C	X	-1.992	.5
50	MP3C	Z	3.45	.5
51	MP3C	Mx	.002	.5
52	MP3C	X	-1.992	2.5
53	MP3C	Z	3.45	2.5
54	MP3C	Mx	.002	2.5
55	MP2A	X	-1.875	.5
56	MP2A	Z	3.248	.5
57	MP2A	Mx	-.000938	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-1.875	.5
59	MP2B	Z	3.248	.5
60	MP2B	Mx	-.000938	.5
61	MP2C	X	-1.875	.5
62	MP2C	Z	3.248	.5
63	MP2C	Mx	-.000938	.5
64	MP1A	X	-1.813	.5
65	MP1A	Z	3.14	.5
66	MP1A	Mx	-.000906	.5
67	MP1B	X	-1.813	.5
68	MP1B	Z	3.14	.5
69	MP1B	Mx	-.000906	.5
70	MP1C	X	-1.813	.5
71	MP1C	Z	3.14	.5
72	MP1C	Mx	-.000906	.5
73	OVP	X	-3.765	1.5
74	OVP	Z	6.521	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-6.159	.5
77	MP1A	Z	10.668	.5
78	MP1A	Mx	.003	.5
79	MP1A	X	-6.159	4.5
80	MP1A	Z	10.668	4.5
81	MP1A	Mx	.003	4.5
82	MP4A	X	-6.159	.5
83	MP4A	Z	10.668	.5
84	MP4A	Mx	.003	.5
85	MP4A	X	-6.159	4.5
86	MP4A	Z	10.668	4.5
87	MP4A	Mx	.003	4.5
88	MP1B	X	-5.356	.5
89	MP1B	Z	9.277	.5
90	MP1B	Mx	-.005	.5
91	MP1B	X	-5.356	4.5
92	MP1B	Z	9.277	4.5
93	MP1B	Mx	-.005	4.5
94	MP4B	X	-5.356	.5
95	MP4B	Z	9.277	.5
96	MP4B	Mx	-.005	.5
97	MP4B	X	-5.356	4.5
98	MP4B	Z	9.277	4.5
99	MP4B	Mx	-.005	4.5
100	MP1C	X	-2.799	.5
101	MP1C	Z	4.848	.5
102	MP1C	Mx	.002	.5
103	MP1C	X	-2.799	4.5
104	MP1C	Z	4.848	4.5
105	MP1C	Mx	.002	4.5
106	MP4C	X	-2.799	.5
107	MP4C	Z	4.848	.5
108	MP4C	Mx	.002	.5
109	MP4C	X	-2.799	4.5
110	MP4C	Z	4.848	4.5
111	MP4C	Mx	.002	4.5
112	MP2A	X	-1.038	2.5
113	MP2A	Z	1.798	2.5
114	MP2A	Mx	-.000519	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.476	.5
2	MP2A	Z	2.007	.5
3	MP2A	Mx	.000567	.5
4	MP2A	X	-3.476	4.5
5	MP2A	Z	2.007	4.5
6	MP2A	Mx	.000567	4.5
7	MP2B	X	-3.642	.5
8	MP2B	Z	2.103	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	-3.642	4.5
11	MP2B	Z	2.103	4.5
12	MP2B	Mx	-.002	4.5
13	MP2C	X	-2.999	.5
14	MP2C	Z	1.732	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	-2.999	4.5
17	MP2C	Z	1.732	4.5
18	MP2C	Mx	.002	4.5
19	MP2A	X	-3.476	.5
20	MP2A	Z	2.007	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-3.476	4.5
23	MP2A	Z	2.007	4.5
24	MP2A	Mx	.003	4.5
25	MP2B	X	-3.642	.5
26	MP2B	Z	2.103	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	-3.642	4.5
29	MP2B	Z	2.103	4.5
30	MP2B	Mx	-.002	4.5
31	MP2C	X	-2.999	.5
32	MP2C	Z	1.732	.5
33	MP2C	Mx	-.001	.5
34	MP2C	X	-2.999	4.5
35	MP2C	Z	1.732	4.5
36	MP2C	Mx	-.001	4.5
37	MP3A	X	-2.917	.5
38	MP3A	Z	1.684	.5
39	MP3A	Mx	.001	.5
40	MP3A	X	-2.917	2.5
41	MP3A	Z	1.684	2.5
42	MP3A	Mx	.001	2.5
43	MP3B	X	-2.199	.5
44	MP3B	Z	1.27	.5
45	MP3B	Mx	-.001	.5
46	MP3B	X	-2.199	2.5
47	MP3B	Z	1.27	2.5
48	MP3B	Mx	-.001	2.5
49	MP3C	X	-4.984	.5
50	MP3C	Z	2.878	.5
51	MP3C	Mx	.000984	.5
52	MP3C	X	-4.984	2.5
53	MP3C	Z	2.878	2.5
54	MP3C	Mx	.000984	2.5
55	MP2A	X	-2.666	.5
56	MP2A	Z	1.539	.5
57	MP2A	Mx	-.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-2.666	.5
59	MP2B	Z	1.539	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	-2.666	.5
62	MP2C	Z	1.539	.5
63	MP2C	Mx	-.001	.5
64	MP1A	X	-2.34	.5
65	MP1A	Z	1.351	.5
66	MP1A	Mx	-.001	.5
67	MP1B	X	-2.34	.5
68	MP1B	Z	1.351	.5
69	MP1B	Mx	-.001	.5
70	MP1C	X	-2.34	.5
71	MP1C	Z	1.351	.5
72	MP1C	Mx	-.001	.5
73	OVP	X	-5.706	1.5
74	OVP	Z	3.294	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-10.082	.5
77	MP1A	Z	5.821	.5
78	MP1A	Mx	.005	.5
79	MP1A	X	-10.082	4.5
80	MP1A	Z	5.821	4.5
81	MP1A	Mx	.005	4.5
82	MP4A	X	-10.082	.5
83	MP4A	Z	5.821	.5
84	MP4A	Mx	.005	.5
85	MP4A	X	-10.082	4.5
86	MP4A	Z	5.821	4.5
87	MP4A	Mx	.005	4.5
88	MP1B	X	-9.703	.5
89	MP1B	Z	5.602	.5
90	MP1B	Mx	-.006	.5
91	MP1B	X	-9.703	4.5
92	MP1B	Z	5.602	4.5
93	MP1B	Mx	-.006	4.5
94	MP4B	X	-9.703	.5
95	MP4B	Z	5.602	.5
96	MP4B	Mx	-.006	.5
97	MP4B	X	-9.703	4.5
98	MP4B	Z	5.602	4.5
99	MP4B	Mx	-.006	4.5
100	MP1C	X	-3.352	.5
101	MP1C	Z	1.935	.5
102	MP1C	Mx	.000662	.5
103	MP1C	X	-3.352	4.5
104	MP1C	Z	1.935	4.5
105	MP1C	Mx	.000662	4.5
106	MP4C	X	-3.352	.5
107	MP4C	Z	1.935	.5
108	MP4C	Mx	.000662	.5
109	MP4C	X	-3.352	4.5
110	MP4C	Z	1.935	4.5
111	MP4C	Mx	.000662	4.5
112	MP2A	X	-1.039	2.5
113	MP2A	Z	.6	2.5
114	MP2A	Mx	-.00052	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.232	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	-4.232	4.5
5	MP2A	Z	0	4.5
6	MP2A	Mx	.002	4.5
7	MP2B	X	-3.872	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-3.872	4.5
11	MP2B	Z	0	4.5
12	MP2B	Mx	-.003	4.5
13	MP2C	X	-3.388	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	-3.388	4.5
17	MP2C	Z	0	4.5
18	MP2C	Mx	.002	4.5
19	MP2A	X	-4.232	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	-4.232	4.5
23	MP2A	Z	0	4.5
24	MP2A	Mx	.002	4.5
25	MP2B	X	-3.872	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-3.1e-5	.5
28	MP2B	X	-3.872	4.5
29	MP2B	Z	0	4.5
30	MP2B	Mx	-3.1e-5	4.5
31	MP2C	X	-3.388	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.002	.5
34	MP2C	X	-3.388	4.5
35	MP2C	Z	0	4.5
36	MP2C	Mx	-.002	4.5
37	MP3A	X	-2.426	.5
38	MP3A	Z	0	.5
39	MP3A	Mx	.001	.5
40	MP3A	X	-2.426	2.5
41	MP3A	Z	0	2.5
42	MP3A	Mx	.001	2.5
43	MP3B	X	-3.984	.5
44	MP3B	Z	0	.5
45	MP3B	Mx	-.002	.5
46	MP3B	X	-3.984	2.5
47	MP3B	Z	0	2.5
48	MP3B	Mx	-.002	2.5
49	MP3C	X	-6.082	.5
50	MP3C	Z	0	.5
51	MP3C	Mx	-.000528	.5
52	MP3C	X	-6.082	2.5
53	MP3C	Z	0	2.5
54	MP3C	Mx	-.000528	2.5
55	MP2A	X	-2.742	.5
56	MP2A	Z	0	.5
57	MP2A	Mx	-.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-2.742	.5
59	MP2B	Z	0	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	-2.742	.5
62	MP2C	Z	0	.5
63	MP2C	Mx	-.001	.5
64	MP1A	X	-2.241	.5
65	MP1A	Z	0	.5
66	MP1A	Mx	-.001	.5
67	MP1B	X	-2.241	.5
68	MP1B	Z	0	.5
69	MP1B	Mx	-.001	.5
70	MP1C	X	-2.241	.5
71	MP1C	Z	0	.5
72	MP1C	Mx	-.001	.5
73	OVP	X	-6.415	1.5
74	OVP	Z	0	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-11.304	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.006	.5
79	MP1A	X	-11.304	4.5
80	MP1A	Z	0	4.5
81	MP1A	Mx	.006	4.5
82	MP4A	X	-11.304	.5
83	MP4A	Z	0	.5
84	MP4A	Mx	.006	.5
85	MP4A	X	-11.304	4.5
86	MP4A	Z	0	4.5
87	MP4A	Mx	.006	4.5
88	MP1B	X	-9.034	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	-.003	.5
91	MP1B	X	-9.034	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	-.003	4.5
94	MP4B	X	-9.034	.5
95	MP4B	Z	0	.5
96	MP4B	Mx	-.003	.5
97	MP4B	X	-9.034	4.5
98	MP4B	Z	0	4.5
99	MP4B	Mx	-.003	4.5
100	MP1C	X	-3.552	.5
101	MP1C	Z	0	.5
102	MP1C	Mx	-.000308	.5
103	MP1C	X	-3.552	4.5
104	MP1C	Z	0	4.5
105	MP1C	Mx	-.000308	4.5
106	MP4C	X	-3.552	.5
107	MP4C	Z	0	.5
108	MP4C	Mx	-.000308	.5
109	MP4C	X	-3.552	4.5
110	MP4C	Z	0	4.5
111	MP4C	Mx	-.000308	4.5
112	MP2A	X	-.762	2.5
113	MP2A	Z	0	2.5
114	MP2A	Mx	-.000381	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-3.476	.5
2	MP2A	Z	-2.007	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-3.476	4.5
5	MP2A	Z	-2.007	4.5
6	MP2A	Mx	.003	4.5
7	MP2B	X	-2.999	.5
8	MP2B	Z	-1.732	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	-2.999	4.5
11	MP2B	Z	-1.732	4.5
12	MP2B	Mx	-.002	4.5
13	MP2C	X	-3.223	.5
14	MP2C	Z	-1.861	.5
15	MP2C	Mx	.000467	.5
16	MP2C	X	-3.223	4.5
17	MP2C	Z	-1.861	4.5
18	MP2C	Mx	.000467	4.5
19	MP2A	X	-3.476	.5
20	MP2A	Z	-2.007	.5
21	MP2A	Mx	.000567	.5
22	MP2A	X	-3.476	4.5
23	MP2A	Z	-2.007	4.5
24	MP2A	Mx	.000567	4.5
25	MP2B	X	-2.999	.5
26	MP2B	Z	-1.732	.5
27	MP2B	Mx	.001	.5
28	MP2B	X	-2.999	4.5
29	MP2B	Z	-1.732	4.5
30	MP2B	Mx	.001	4.5
31	MP2C	X	-3.223	.5
32	MP2C	Z	-1.861	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-3.223	4.5
35	MP2C	Z	-1.861	4.5
36	MP2C	Mx	-.003	4.5
37	MP3A	X	-2.917	.5
38	MP3A	Z	-1.684	.5
39	MP3A	Mx	.001	.5
40	MP3A	X	-2.917	2.5
41	MP3A	Z	-1.684	2.5
42	MP3A	Mx	.001	2.5
43	MP3B	X	-4.984	.5
44	MP3B	Z	-2.878	.5
45	MP3B	Mx	-.000984	.5
46	MP3B	X	-4.984	2.5
47	MP3B	Z	-2.878	2.5
48	MP3B	Mx	-.000984	2.5
49	MP3C	X	-4.017	.5
50	MP3C	Z	-2.319	.5
51	MP3C	Mx	-.001	.5
52	MP3C	X	-4.017	2.5
53	MP3C	Z	-2.319	2.5
54	MP3C	Mx	-.001	2.5
55	MP2A	X	-2.666	.5
56	MP2A	Z	-1.539	.5
57	MP2A	Mx	-.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-2.666	.5
59	MP2B	Z	-1.539	.5
60	MP2B	Mx	-.001	.5
61	MP2C	X	-2.666	.5
62	MP2C	Z	-1.539	.5
63	MP2C	Mx	-.001	.5
64	MP1A	X	-2.34	.5
65	MP1A	Z	-1.351	.5
66	MP1A	Mx	-.001	.5
67	MP1B	X	-2.34	.5
68	MP1B	Z	-1.351	.5
69	MP1B	Mx	-.001	.5
70	MP1C	X	-2.34	.5
71	MP1C	Z	-1.351	.5
72	MP1C	Mx	-.001	.5
73	OVP	X	-6.22	1.5
74	OVP	Z	-3.591	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-10.082	.5
77	MP1A	Z	-5.821	.5
78	MP1A	Mx	.005	.5
79	MP1A	X	-10.082	4.5
80	MP1A	Z	-5.821	4.5
81	MP1A	Mx	.005	4.5
82	MP4A	X	-10.082	.5
83	MP4A	Z	-5.821	.5
84	MP4A	Mx	.005	.5
85	MP4A	X	-10.082	4.5
86	MP4A	Z	-5.821	4.5
87	MP4A	Mx	.005	4.5
88	MP1B	X	-5.518	.5
89	MP1B	Z	-3.186	.5
90	MP1B	Mx	-.001	.5
91	MP1B	X	-5.518	4.5
92	MP1B	Z	-3.186	4.5
93	MP1B	Mx	-.001	4.5
94	MP4B	X	-5.518	.5
95	MP4B	Z	-3.186	.5
96	MP4B	Mx	-.001	.5
97	MP4B	X	-5.518	4.5
98	MP4B	Z	-3.186	4.5
99	MP4B	Mx	-.001	4.5
100	MP1C	X	-4.295	.5
101	MP1C	Z	-2.48	.5
102	MP1C	Mx	-.002	.5
103	MP1C	X	-4.295	4.5
104	MP1C	Z	-2.48	4.5
105	MP1C	Mx	-.002	4.5
106	MP4C	X	-4.295	.5
107	MP4C	Z	-2.48	.5
108	MP4C	Mx	-.002	.5
109	MP4C	X	-4.295	4.5
110	MP4C	Z	-2.48	4.5
111	MP4C	Mx	-.002	4.5
112	MP2A	X	-1.039	2.5
113	MP2A	Z	-.6	2.5
114	MP2A	Mx	-.00052	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-1.79	.5
2	MP2A	Z	-3.1	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-1.79	4.5
5	MP2A	Z	-3.1	4.5
6	MP2A	Mx	.003	4.5
7	MP2B	X	-1.694	.5
8	MP2B	Z	-2.934	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	-1.694	4.5
11	MP2B	Z	-2.934	4.5
12	MP2B	Mx	-.002	4.5
13	MP2C	X	-2.065	.5
14	MP2C	Z	-3.577	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	-2.065	4.5
17	MP2C	Z	-3.577	4.5
18	MP2C	Mx	-.001	4.5
19	MP2A	X	-1.79	.5
20	MP2A	Z	-3.1	.5
21	MP2A	Mx	-.000913	.5
22	MP2A	X	-1.79	4.5
23	MP2A	Z	-3.1	4.5
24	MP2A	Mx	-.000913	4.5
25	MP2B	X	-1.694	.5
26	MP2B	Z	-2.934	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	-1.694	4.5
29	MP2B	Z	-2.934	4.5
30	MP2B	Mx	.002	4.5
31	MP2C	X	-2.065	.5
32	MP2C	Z	-3.577	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-2.065	4.5
35	MP2C	Z	-3.577	4.5
36	MP2C	Mx	-.003	4.5
37	MP3A	X	-2.627	.5
38	MP3A	Z	-4.55	.5
39	MP3A	Mx	.001	.5
40	MP3A	X	-2.627	2.5
41	MP3A	Z	-4.55	2.5
42	MP3A	Mx	.001	2.5
43	MP3B	X	-3.041	.5
44	MP3B	Z	-5.268	.5
45	MP3B	Mx	.000528	.5
46	MP3B	X	-3.041	2.5
47	MP3B	Z	-5.268	2.5
48	MP3B	Mx	.000528	2.5
49	MP3C	X	-1.433	.5
50	MP3C	Z	-2.483	.5
51	MP3C	Mx	-.001	.5
52	MP3C	X	-1.433	2.5
53	MP3C	Z	-2.483	2.5
54	MP3C	Mx	-.001	2.5
55	MP2A	X	-1.875	.5
56	MP2A	Z	-3.248	.5
57	MP2A	Mx	-.000938	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-1.875	.5
59	MP2B	Z	-3.248	.5
60	MP2B	Mx	-.000938	.5
61	MP2C	X	-1.875	.5
62	MP2C	Z	-3.248	.5
63	MP2C	Mx	-.000938	.5
64	MP1A	X	-1.813	.5
65	MP1A	Z	-3.14	.5
66	MP1A	Mx	-.000906	.5
67	MP1B	X	-1.813	.5
68	MP1B	Z	-3.14	.5
69	MP1B	Mx	-.000906	.5
70	MP1C	X	-1.813	.5
71	MP1C	Z	-3.14	.5
72	MP1C	Mx	-.000906	.5
73	OVP	X	-4.062	1.5
74	OVP	Z	-7.035	1.5
75	OVP	Mx	0	1.5
76	MP1A	X	-6.159	.5
77	MP1A	Z	-10.668	.5
78	MP1A	Mx	.003	.5
79	MP1A	X	-6.159	4.5
80	MP1A	Z	-10.668	4.5
81	MP1A	Mx	.003	4.5
82	MP4A	X	-6.159	.5
83	MP4A	Z	-10.668	.5
84	MP4A	Mx	.003	.5
85	MP4A	X	-6.159	4.5
86	MP4A	Z	-10.668	4.5
87	MP4A	Mx	.003	4.5
88	MP1B	X	-2.94	.5
89	MP1B	Z	-5.092	.5
90	MP1B	Mx	.00051	.5
91	MP1B	X	-2.94	4.5
92	MP1B	Z	-5.092	4.5
93	MP1B	Mx	.00051	4.5
94	MP4B	X	-2.94	.5
95	MP4B	Z	-5.092	.5
96	MP4B	Mx	.00051	.5
97	MP4B	X	-2.94	4.5
98	MP4B	Z	-5.092	4.5
99	MP4B	Mx	.00051	4.5
100	MP1C	X	-3.344	.5
101	MP1C	Z	-5.791	.5
102	MP1C	Mx	-.003	.5
103	MP1C	X	-3.344	4.5
104	MP1C	Z	-5.791	4.5
105	MP1C	Mx	-.003	4.5
106	MP4C	X	-3.344	.5
107	MP4C	Z	-5.791	.5
108	MP4C	Mx	-.003	.5
109	MP4C	X	-3.344	4.5
110	MP4C	Z	-5.791	4.5
111	MP4C	Mx	-.003	4.5
112	MP2A	X	-1.038	2.5
113	MP2A	Z	-1.798	2.5
114	MP2A	Mx	-.000519	2.5

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 78 : Lm2)

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

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-1.663	.5
2	MP2A	My	-.000832	.5
3	MP2A	Mz	-.00097	.5
4	MP2A	Y	-1.663	4.5
5	MP2A	My	-.000832	4.5
6	MP2A	Mz	-.00097	4.5
7	MP2B	Y	-1.663	.5
8	MP2B	My	.001	.5
9	MP2B	Mz	.000209	.5
10	MP2B	Y	-1.663	4.5
11	MP2B	My	.001	4.5
12	MP2B	Mz	.000209	4.5
13	MP2C	Y	-1.663	.5
14	MP2C	My	-.000811	.5
15	MP2C	Mz	.000988	.5
16	MP2C	Y	-1.663	4.5
17	MP2C	My	-.000811	4.5
18	MP2C	Mz	.000988	4.5
19	MP2A	Y	-1.663	.5
20	MP2A	My	-.000832	.5
21	MP2A	Mz	.00097	.5
22	MP2A	Y	-1.663	4.5
23	MP2A	My	-.000832	4.5
24	MP2A	Mz	.00097	4.5
25	MP2B	Y	-1.663	.5
26	MP2B	My	1.3e-5	.5
27	MP2B	Mz	-.001	.5
28	MP2B	Y	-1.663	4.5
29	MP2B	My	1.3e-5	4.5
30	MP2B	Mz	-.001	4.5
31	MP2C	Y	-1.663	.5
32	MP2C	My	.001	.5
33	MP2C	Mz	.000651	.5
34	MP2C	Y	-1.663	4.5
35	MP2C	My	.001	4.5
36	MP2C	Mz	.000651	4.5
37	MP3A	Y	-2.1	.5
38	MP3A	My	-.001	.5
39	MP3A	Mz	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP3A	Y	-2.1	2.5
41	MP3A	My	-.001	2.5
42	MP3A	Mz	0	2.5
43	MP3B	Y	-2.1	.5
44	MP3B	My	.000804	.5
45	MP3B	Mz	-.000675	.5
46	MP3B	Y	-2.1	2.5
47	MP3B	My	.000804	2.5
48	MP3B	Mz	-.000675	2.5
49	MP3C	Y	-2.1	.5
50	MP3C	My	.000182	.5
51	MP3C	Mz	.001	.5
52	MP3C	Y	-2.1	2.5
53	MP3C	My	.000182	2.5
54	MP3C	Mz	.001	2.5
55	MP2A	Y	-4.069	.5
56	MP2A	My	.002	.5
57	MP2A	Mz	0	.5
58	MP2B	Y	-4.069	.5
59	MP2B	My	.002	.5
60	MP2B	Mz	0	.5
61	MP2C	Y	-4.069	.5
62	MP2C	My	.002	.5
63	MP2C	Mz	0	.5
64	MP1A	Y	-3.389	.5
65	MP1A	My	.002	.5
66	MP1A	Mz	0	.5
67	MP1B	Y	-3.389	.5
68	MP1B	My	.002	.5
69	MP1B	Mz	0	.5
70	MP1C	Y	-3.389	.5
71	MP1C	My	.002	.5
72	MP1C	Mz	0	.5
73	OVP	Y	-1.543	1.5
74	OVP	My	0	1.5
75	OVP	Mz	0	1.5
76	MP1A	Y	-.651	.5
77	MP1A	My	-.000325	.5
78	MP1A	Mz	0	.5
79	MP1A	Y	-.651	4.5
80	MP1A	My	-.000325	4.5
81	MP1A	Mz	0	4.5
82	MP4A	Y	-.651	.5
83	MP4A	My	-.000325	.5
84	MP4A	Mz	0	.5
85	MP4A	Y	-.651	4.5
86	MP4A	My	-.000325	4.5
87	MP4A	Mz	0	4.5
88	MP1B	Y	-.506	.5
89	MP1B	My	.000194	.5
90	MP1B	Mz	-.000163	.5
91	MP1B	Y	-.506	4.5
92	MP1B	My	.000194	4.5
93	MP1B	Mz	-.000163	4.5
94	MP4B	Y	-.506	.5
95	MP4B	My	.000194	.5
96	MP4B	Mz	-.000163	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP4B	Y	-.506	4.5
98	MP4B	My	.000194	4.5
99	MP4B	Mz	-.000163	4.5
100	MP1C	Y	-.289	.5
101	MP1C	My	2.5e-5	.5
102	MP1C	Mz	.000142	.5
103	MP1C	Y	-.289	4.5
104	MP1C	My	2.5e-5	4.5
105	MP1C	Mz	.000142	4.5
106	MP4C	Y	-.289	.5
107	MP4C	My	2.5e-5	.5
108	MP4C	Mz	.000142	.5
109	MP4C	Y	-.289	4.5
110	MP4C	My	2.5e-5	4.5
111	MP4C	Mz	.000142	4.5
112	MP2A	Y	-.849	2.5
113	MP2A	My	.000424	2.5
114	MP2A	Mz	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-4.158	.5
2	MP2A	Mx	.002	.5
3	MP2A	Z	-4.158	4.5
4	MP2A	Mx	.002	4.5
5	MP2B	Z	-4.158	.5
6	MP2B	Mx	-.000522	.5
7	MP2B	Z	-4.158	4.5
8	MP2B	Mx	-.000522	4.5
9	MP2C	Z	-4.158	.5
10	MP2C	Mx	-.002	.5
11	MP2C	Z	-4.158	4.5
12	MP2C	Mx	-.002	4.5
13	MP2A	Z	-4.158	.5
14	MP2A	Mx	-.002	.5
15	MP2A	Z	-4.158	4.5
16	MP2A	Mx	-.002	4.5
17	MP2B	Z	-4.158	.5
18	MP2B	Mx	.003	.5
19	MP2B	Z	-4.158	4.5
20	MP2B	Mx	.003	4.5
21	MP2C	Z	-4.158	.5
22	MP2C	Mx	-.002	.5
23	MP2C	Z	-4.158	4.5
24	MP2C	Mx	-.002	4.5
25	MP3A	Z	-5.249	.5
26	MP3A	Mx	0	.5
27	MP3A	Z	-5.249	2.5
28	MP3A	Mx	0	2.5
29	MP3B	Z	-5.249	.5
30	MP3B	Mx	.002	.5
31	MP3B	Z	-5.249	2.5
32	MP3B	Mx	.002	2.5
33	MP3C	Z	-5.249	.5
34	MP3C	Mx	-.003	.5
35	MP3C	Z	-5.249	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	-.003	2.5
37	MP2A	Z	-10.173	.5
38	MP2A	Mx	0	.5
39	MP2B	Z	-10.173	.5
40	MP2B	Mx	0	.5
41	MP2C	Z	-10.173	.5
42	MP2C	Mx	0	.5
43	MP1A	Z	-8.473	.5
44	MP1A	Mx	0	.5
45	MP1B	Z	-8.473	.5
46	MP1B	Mx	0	.5
47	MP1C	Z	-8.473	.5
48	MP1C	Mx	0	.5
49	OVP	Z	-3.857	1.5
50	OVP	Mx	0	1.5
51	MP1A	Z	-1.627	.5
52	MP1A	Mx	0	.5
53	MP1A	Z	-1.627	4.5
54	MP1A	Mx	0	4.5
55	MP4A	Z	-1.627	.5
56	MP4A	Mx	0	.5
57	MP4A	Z	-1.627	4.5
58	MP4A	Mx	0	4.5
59	MP1B	Z	-1.266	.5
60	MP1B	Mx	.000407	.5
61	MP1B	Z	-1.266	4.5
62	MP1B	Mx	.000407	4.5
63	MP4B	Z	-1.266	.5
64	MP4B	Mx	.000407	.5
65	MP4B	Z	-1.266	4.5
66	MP4B	Mx	.000407	4.5
67	MP1C	Z	-.723	.5
68	MP1C	Mx	-.000356	.5
69	MP1C	Z	-.723	4.5
70	MP1C	Mx	-.000356	4.5
71	MP4C	Z	-.723	.5
72	MP4C	Mx	-.000356	.5
73	MP4C	Z	-.723	4.5
74	MP4C	Mx	-.000356	4.5
75	MP2A	Z	-2.121	2.5
76	MP2A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.158	.5
2	MP2A	Mx	-.002	.5
3	MP2A	X	4.158	4.5
4	MP2A	Mx	-.002	4.5
5	MP2B	X	4.158	.5
6	MP2B	Mx	.003	.5
7	MP2B	X	4.158	4.5
8	MP2B	Mx	.003	4.5
9	MP2C	X	4.158	.5
10	MP2C	Mx	-.002	.5
11	MP2C	X	4.158	4.5
12	MP2C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2A	X	4.158	.5
14	MP2A	Mx	-.002	.5
15	MP2A	X	4.158	4.5
16	MP2A	Mx	-.002	4.5
17	MP2B	X	4.158	.5
18	MP2B	Mx	3.4e-5	.5
19	MP2B	X	4.158	4.5
20	MP2B	Mx	3.4e-5	4.5
21	MP2C	X	4.158	.5
22	MP2C	Mx	.003	.5
23	MP2C	X	4.158	4.5
24	MP2C	Mx	.003	4.5
25	MP3A	X	5.249	.5
26	MP3A	Mx	-.003	.5
27	MP3A	X	5.249	2.5
28	MP3A	Mx	-.003	2.5
29	MP3B	X	5.249	.5
30	MP3B	Mx	.002	.5
31	MP3B	X	5.249	2.5
32	MP3B	Mx	.002	2.5
33	MP3C	X	5.249	.5
34	MP3C	Mx	.000456	.5
35	MP3C	X	5.249	2.5
36	MP3C	Mx	.000456	2.5
37	MP2A	X	10.173	.5
38	MP2A	Mx	.005	.5
39	MP2B	X	10.173	.5
40	MP2B	Mx	.005	.5
41	MP2C	X	10.173	.5
42	MP2C	Mx	.005	.5
43	MP1A	X	8.473	.5
44	MP1A	Mx	.004	.5
45	MP1B	X	8.473	.5
46	MP1B	Mx	.004	.5
47	MP1C	X	8.473	.5
48	MP1C	Mx	.004	.5
49	OVP	X	3.857	1.5
50	OVP	Mx	0	1.5
51	MP1A	X	1.627	.5
52	MP1A	Mx	-.000814	.5
53	MP1A	X	1.627	4.5
54	MP1A	Mx	-.000814	4.5
55	MP4A	X	1.627	.5
56	MP4A	Mx	-.000814	.5
57	MP4A	X	1.627	4.5
58	MP4A	Mx	-.000814	4.5
59	MP1B	X	1.266	.5
60	MP1B	Mx	.000485	.5
61	MP1B	X	1.266	4.5
62	MP1B	Mx	.000485	4.5
63	MP4B	X	1.266	.5
64	MP4B	Mx	.000485	.5
65	MP4B	X	1.266	4.5
66	MP4B	Mx	.000485	4.5
67	MP1C	X	.723	.5
68	MP1C	Mx	6.3e-5	.5
69	MP1C	X	.723	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	Mx	6.3e-5	4.5
71	MP4C	X	.723	.5
72	MP4C	Mx	6.3e-5	.5
73	MP4C	X	.723	4.5
74	MP4C	Mx	6.3e-5	4.5
75	MP2A	X	2.121	2.5
76	MP2A	Mx	.001	2.5

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	-9.58	-9.58	0	%100
2	M2	Y	-7.59	-7.59	0	%100
3	M3	Y	-7.59	-7.59	0	%100
4	M7	Y	-7.59	-7.59	0	%100
5	M9	Y	-7.59	-7.59	0	%100
6	M13	Y	-7.59	-7.59	0	%100
7	FACE	Y	-7.59	-7.59	0	%100
8	M10	Y	-10.063	-10.063	0	%100
9	M11	Y	-9.58	-9.58	0	%100
10	M14	Y	-9.58	-9.58	0	%100
11	MP1A	Y	-4.962	-4.962	0	%100
12	MP2A	Y	-4.962	-4.962	0	%100
13	MP3A	Y	-4.962	-4.962	0	%100
14	MP4A	Y	-4.962	-4.962	0	%100
15	MP1C	Y	-4.962	-4.962	0	%100
16	MP2C	Y	-4.962	-4.962	0	%100
17	MP3C	Y	-4.962	-4.962	0	%100
18	MP4C	Y	-4.962	-4.962	0	%100
19	MP1B	Y	-4.962	-4.962	0	%100
20	MP2B	Y	-4.962	-4.962	0	%100
21	MP3B	Y	-4.962	-4.962	0	%100
22	MP4B	Y	-4.962	-4.962	0	%100
23	M47	Y	-10.063	-10.063	0	%100
24	M48	Y	-10.063	-10.063	0	%100
25	M49	Y	-5.666	-5.666	0	%100
26	M64	Y	-5.666	-5.666	0	%100
27	M72	Y	-5.666	-5.666	0	%100
28	M58	Y	-5.666	-5.666	0	%100
29	M65	Y	-5.666	-5.666	0	%100
30	M66	Y	-5.666	-5.666	0	%100
31	M67	Y	-5.666	-5.666	0	%100
32	M74	Y	-5.666	-5.666	0	%100
33	M75	Y	-5.666	-5.666	0	%100
34	M76	Y	-7.59	-7.59	0	%100
35	M77	Y	-7.59	-7.59	0	%100
36	M78	Y	-7.59	-7.59	0	%100
37	M79	Y	-7.59	-7.59	0	%100
38	M80	Y	-7.59	-7.59	0	%100
39	M81	Y	-7.59	-7.59	0	%100
40	OVP	Y	-4.962	-4.962	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	-9.694	-9.694	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,%]
3	M2	X	0	0	0	%100
4	M2	Z	-5.237	-5.237	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-5.237	-5.237	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-5.237	-5.237	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-20.949	-20.949	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	-5.237	-5.237	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-20.949	-20.949	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-13.247	-13.247	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-9.694	-9.694	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-9.951	-9.951	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-9.951	-9.951	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-9.951	-9.951	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	-9.951	-9.951	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	-9.951	-9.951	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-9.951	-9.951	0	%100
33	MP3C	X	0	0	0	%100
34	MP3C	Z	-9.951	-9.951	0	%100
35	MP4C	X	0	0	0	%100
36	MP4C	Z	-9.951	-9.951	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-9.951	-9.951	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-9.951	-9.951	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	-9.951	-9.951	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	-9.951	-9.951	0	%100
45	M47	X	0	0	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	-13.247	-13.247	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-12.045	-12.045	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	-12.045	-12.045	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	-12.045	-12.045	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	-3.011	-3.011	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	-3.011	-3.011	0	%100
59	M66	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,%]
60	M66	Z	-3.011	-3.011	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-3.011	-3.011	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-3.011	-3.011	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-3.011	-3.011	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	-3.827	-3.827	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	-3.827	-3.827	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	-15.308	-15.308	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	-7.694	-7.694	0	%100
75	M80	X	0	0	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	-7.694	-7.694	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-9.951	-9.951	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	6.463	6.463	0	%100
2	M1	Z	-11.194	-11.194	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	7.856	7.856	0	%100
8	M7	Z	-13.607	-13.607	0	%100
9	M9	X	7.856	7.856	0	%100
10	M9	Z	-13.607	-13.607	0	%100
11	M13	X	7.856	7.856	0	%100
12	M13	Z	-13.607	-13.607	0	%100
13	FACE	X	7.856	7.856	0	%100
14	FACE	Z	-13.607	-13.607	0	%100
15	M10	X	8.831	8.831	0	%100
16	M10	Z	-15.296	-15.296	0	%100
17	M11	X	1.616	1.616	0	%100
18	M11	Z	-2.798	-2.798	0	%100
19	M14	X	1.616	1.616	0	%100
20	M14	Z	-2.798	-2.798	0	%100
21	MP1A	X	4.975	4.975	0	%100
22	MP1A	Z	-8.617	-8.617	0	%100
23	MP2A	X	4.975	4.975	0	%100
24	MP2A	Z	-8.617	-8.617	0	%100
25	MP3A	X	4.975	4.975	0	%100
26	MP3A	Z	-8.617	-8.617	0	%100
27	MP4A	X	4.975	4.975	0	%100
28	MP4A	Z	-8.617	-8.617	0	%100
29	MP1C	X	4.975	4.975	0	%100
30	MP1C	Z	-8.617	-8.617	0	%100
31	MP2C	X	4.975	4.975	0	%100
32	MP2C	Z	-8.617	-8.617	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,%]
33	MP3C	X	4.975	4.975	0	%100
34	MP3C	Z	-8.617	-8.617	0	%100
35	MP4C	X	4.975	4.975	0	%100
36	MP4C	Z	-8.617	-8.617	0	%100
37	MP1B	X	4.975	4.975	0	%100
38	MP1B	Z	-8.617	-8.617	0	%100
39	MP2B	X	4.975	4.975	0	%100
40	MP2B	Z	-8.617	-8.617	0	%100
41	MP3B	X	4.975	4.975	0	%100
42	MP3B	Z	-8.617	-8.617	0	%100
43	MP4B	X	4.975	4.975	0	%100
44	MP4B	Z	-8.617	-8.617	0	%100
45	M47	X	2.208	2.208	0	%100
46	M47	Z	-3.824	-3.824	0	%100
47	M48	X	2.208	2.208	0	%100
48	M48	Z	-3.824	-3.824	0	%100
49	M49	X	4.517	4.517	0	%100
50	M49	Z	-7.824	-7.824	0	%100
51	M64	X	4.517	4.517	0	%100
52	M64	Z	-7.824	-7.824	0	%100
53	M72	X	4.517	4.517	0	%100
54	M72	Z	-7.824	-7.824	0	%100
55	M58	X	4.517	4.517	0	%100
56	M58	Z	-7.824	-7.824	0	%100
57	M65	X	4.517	4.517	0	%100
58	M65	Z	-7.824	-7.824	0	%100
59	M66	X	4.517	4.517	0	%100
60	M66	Z	-7.824	-7.824	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	5.741	5.741	0	%100
68	M76	Z	-9.943	-9.943	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	5.741	5.741	0	%100
72	M78	Z	-9.943	-9.943	0	%100
73	M79	X	5.129	5.129	0	%100
74	M79	Z	-8.884	-8.884	0	%100
75	M80	X	1.282	1.282	0	%100
76	M80	Z	-2.221	-2.221	0	%100
77	M81	X	1.282	1.282	0	%100
78	M81	Z	-2.221	-2.221	0	%100
79	OVP	X	4.975	4.975	0	%100
80	OVP	Z	-8.617	-8.617	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	8.395	8.395	0	%100
2	M1	Z	-4.847	-4.847	0	%100
3	M2	X	4.536	4.536	0	%100
4	M2	Z	-2.619	-2.619	0	%100
5	M3	X	4.536	4.536	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,%]
6	M3	Z	-2.619	-2.619	0	%100
7	M7	X	18.142	18.142	0	%100
8	M7	Z	-10.474	-10.474	0	%100
9	M9	X	4.536	4.536	0	%100
10	M9	Z	-2.619	-2.619	0	%100
11	M13	X	18.142	18.142	0	%100
12	M13	Z	-10.474	-10.474	0	%100
13	FACE	X	4.536	4.536	0	%100
14	FACE	Z	-2.619	-2.619	0	%100
15	M10	X	11.472	11.472	0	%100
16	M10	Z	-6.623	-6.623	0	%100
17	M11	X	8.395	8.395	0	%100
18	M11	Z	-4.847	-4.847	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	8.617	8.617	0	%100
22	MP1A	Z	-4.975	-4.975	0	%100
23	MP2A	X	8.617	8.617	0	%100
24	MP2A	Z	-4.975	-4.975	0	%100
25	MP3A	X	8.617	8.617	0	%100
26	MP3A	Z	-4.975	-4.975	0	%100
27	MP4A	X	8.617	8.617	0	%100
28	MP4A	Z	-4.975	-4.975	0	%100
29	MP1C	X	8.617	8.617	0	%100
30	MP1C	Z	-4.975	-4.975	0	%100
31	MP2C	X	8.617	8.617	0	%100
32	MP2C	Z	-4.975	-4.975	0	%100
33	MP3C	X	8.617	8.617	0	%100
34	MP3C	Z	-4.975	-4.975	0	%100
35	MP4C	X	8.617	8.617	0	%100
36	MP4C	Z	-4.975	-4.975	0	%100
37	MP1B	X	8.617	8.617	0	%100
38	MP1B	Z	-4.975	-4.975	0	%100
39	MP2B	X	8.617	8.617	0	%100
40	MP2B	Z	-4.975	-4.975	0	%100
41	MP3B	X	8.617	8.617	0	%100
42	MP3B	Z	-4.975	-4.975	0	%100
43	MP4B	X	8.617	8.617	0	%100
44	MP4B	Z	-4.975	-4.975	0	%100
45	M47	X	11.472	11.472	0	%100
46	M47	Z	-6.623	-6.623	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	2.608	2.608	0	%100
50	M49	Z	-1.506	-1.506	0	%100
51	M64	X	2.608	2.608	0	%100
52	M64	Z	-1.506	-1.506	0	%100
53	M72	X	2.608	2.608	0	%100
54	M72	Z	-1.506	-1.506	0	%100
55	M58	X	10.432	10.432	0	%100
56	M58	Z	-6.023	-6.023	0	%100
57	M65	X	10.432	10.432	0	%100
58	M65	Z	-6.023	-6.023	0	%100
59	M66	X	10.432	10.432	0	%100
60	M66	Z	-6.023	-6.023	0	%100
61	M67	X	2.608	2.608	0	%100
62	M67	Z	-1.506	-1.506	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,%]
63	M74	X	2.608	2.608	0	%100
64	M74	Z	-1.506	-1.506	0	%100
65	M75	X	2.608	2.608	0	%100
66	M75	Z	-1.506	-1.506	0	%100
67	M76	X	13.257	13.257	0	%100
68	M76	Z	-7.654	-7.654	0	%100
69	M77	X	3.314	3.314	0	%100
70	M77	Z	-1.914	-1.914	0	%100
71	M78	X	3.314	3.314	0	%100
72	M78	Z	-1.914	-1.914	0	%100
73	M79	X	6.663	6.663	0	%100
74	M79	Z	-3.847	-3.847	0	%100
75	M80	X	6.663	6.663	0	%100
76	M80	Z	-3.847	-3.847	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	8.617	8.617	0	%100
80	OVP	Z	-4.975	-4.975	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	3.231	3.231	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	15.711	15.711	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	15.711	15.711	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	15.711	15.711	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M13	X	15.711	15.711	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	M10	X	4.416	4.416	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	12.926	12.926	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	3.231	3.231	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	9.951	9.951	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	9.951	9.951	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	9.951	9.951	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	9.951	9.951	0	%100
28	MP4A	Z	0	0	0	%100
29	MP1C	X	9.951	9.951	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	9.951	9.951	0	%100
32	MP2C	Z	0	0	0	%100
33	MP3C	X	9.951	9.951	0	%100
34	MP3C	Z	0	0	0	%100
35	MP4C	X	9.951	9.951	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,%]
36	MP4C	Z	0	0	0	%100
37	MP1B	X	9.951	9.951	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	9.951	9.951	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	9.951	9.951	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	9.951	9.951	0	%100
44	MP4B	Z	0	0	0	%100
45	M47	X	17.663	17.663	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	4.416	4.416	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	0	0	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	0	0	0	%100
55	M58	X	9.034	9.034	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	9.034	9.034	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	9.034	9.034	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	9.034	9.034	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	9.034	9.034	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	9.034	9.034	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	11.481	11.481	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	11.481	11.481	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	0	0	0	%100
73	M79	X	2.565	2.565	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	10.259	10.259	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	2.565	2.565	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	9.951	9.951	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	18.142	18.142	0	%100
4	M2	Z	10.474	10.474	0	%100
5	M3	X	18.142	18.142	0	%100
6	M3	Z	10.474	10.474	0	%100
7	M7	X	4.536	4.536	0	%100
8	M7	Z	2.619	2.619	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,%]
9	M9	X	4.536	4.536	0	%100
10	M9	Z	2.619	2.619	0	%100
11	M13	X	4.536	4.536	0	%100
12	M13	Z	2.619	2.619	0	%100
13	FACE	X	4.536	4.536	0	%100
14	FACE	Z	2.619	2.619	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	8.395	8.395	0	%100
18	M11	Z	4.847	4.847	0	%100
19	M14	X	8.395	8.395	0	%100
20	M14	Z	4.847	4.847	0	%100
21	MP1A	X	8.617	8.617	0	%100
22	MP1A	Z	4.975	4.975	0	%100
23	MP2A	X	8.617	8.617	0	%100
24	MP2A	Z	4.975	4.975	0	%100
25	MP3A	X	8.617	8.617	0	%100
26	MP3A	Z	4.975	4.975	0	%100
27	MP4A	X	8.617	8.617	0	%100
28	MP4A	Z	4.975	4.975	0	%100
29	MP1C	X	8.617	8.617	0	%100
30	MP1C	Z	4.975	4.975	0	%100
31	MP2C	X	8.617	8.617	0	%100
32	MP2C	Z	4.975	4.975	0	%100
33	MP3C	X	8.617	8.617	0	%100
34	MP3C	Z	4.975	4.975	0	%100
35	MP4C	X	8.617	8.617	0	%100
36	MP4C	Z	4.975	4.975	0	%100
37	MP1B	X	8.617	8.617	0	%100
38	MP1B	Z	4.975	4.975	0	%100
39	MP2B	X	8.617	8.617	0	%100
40	MP2B	Z	4.975	4.975	0	%100
41	MP3B	X	8.617	8.617	0	%100
42	MP3B	Z	4.975	4.975	0	%100
43	MP4B	X	8.617	8.617	0	%100
44	MP4B	Z	4.975	4.975	0	%100
45	M47	X	11.472	11.472	0	%100
46	M47	Z	6.623	6.623	0	%100
47	M48	X	11.472	11.472	0	%100
48	M48	Z	6.623	6.623	0	%100
49	M49	X	2.608	2.608	0	%100
50	M49	Z	1.506	1.506	0	%100
51	M64	X	2.608	2.608	0	%100
52	M64	Z	1.506	1.506	0	%100
53	M72	X	2.608	2.608	0	%100
54	M72	Z	1.506	1.506	0	%100
55	M58	X	2.608	2.608	0	%100
56	M58	Z	1.506	1.506	0	%100
57	M65	X	2.608	2.608	0	%100
58	M65	Z	1.506	1.506	0	%100
59	M66	X	2.608	2.608	0	%100
60	M66	Z	1.506	1.506	0	%100
61	M67	X	10.432	10.432	0	%100
62	M67	Z	6.023	6.023	0	%100
63	M74	X	10.432	10.432	0	%100
64	M74	Z	6.023	6.023	0	%100
65	M75	X	10.432	10.432	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,%]
66	M75	Z	6.023	6.023	0	%100
67	M76	X	3.314	3.314	0	%100
68	M76	Z	1.914	1.914	0	%100
69	M77	X	13.257	13.257	0	%100
70	M77	Z	7.654	7.654	0	%100
71	M78	X	3.314	3.314	0	%100
72	M78	Z	1.914	1.914	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	6.663	6.663	0	%100
76	M80	Z	3.847	3.847	0	%100
77	M81	X	6.663	6.663	0	%100
78	M81	Z	3.847	3.847	0	%100
79	OVP	X	8.617	8.617	0	%100
80	OVP	Z	4.975	4.975	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	1.616	1.616	0	%100
2	M1	Z	2.798	2.798	0	%100
3	M2	X	7.856	7.856	0	%100
4	M2	Z	13.607	13.607	0	%100
5	M3	X	7.856	7.856	0	%100
6	M3	Z	13.607	13.607	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	7.856	7.856	0	%100
10	M9	Z	13.607	13.607	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	7.856	7.856	0	%100
14	FACE	Z	13.607	13.607	0	%100
15	M10	X	2.208	2.208	0	%100
16	M10	Z	3.824	3.824	0	%100
17	M11	X	1.616	1.616	0	%100
18	M11	Z	2.798	2.798	0	%100
19	M14	X	6.463	6.463	0	%100
20	M14	Z	11.194	11.194	0	%100
21	MP1A	X	4.975	4.975	0	%100
22	MP1A	Z	8.617	8.617	0	%100
23	MP2A	X	4.975	4.975	0	%100
24	MP2A	Z	8.617	8.617	0	%100
25	MP3A	X	4.975	4.975	0	%100
26	MP3A	Z	8.617	8.617	0	%100
27	MP4A	X	4.975	4.975	0	%100
28	MP4A	Z	8.617	8.617	0	%100
29	MP1C	X	4.975	4.975	0	%100
30	MP1C	Z	8.617	8.617	0	%100
31	MP2C	X	4.975	4.975	0	%100
32	MP2C	Z	8.617	8.617	0	%100
33	MP3C	X	4.975	4.975	0	%100
34	MP3C	Z	8.617	8.617	0	%100
35	MP4C	X	4.975	4.975	0	%100
36	MP4C	Z	8.617	8.617	0	%100
37	MP1B	X	4.975	4.975	0	%100
38	MP1B	Z	8.617	8.617	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,%]
39	MP2B	X	4.975	4.975	0	%100
40	MP2B	Z	8.617	8.617	0	%100
41	MP3B	X	4.975	4.975	0	%100
42	MP3B	Z	8.617	8.617	0	%100
43	MP4B	X	4.975	4.975	0	%100
44	MP4B	Z	8.617	8.617	0	%100
45	M47	X	2.208	2.208	0	%100
46	M47	Z	3.824	3.824	0	%100
47	M48	X	8.831	8.831	0	%100
48	M48	Z	15.296	15.296	0	%100
49	M49	X	4.517	4.517	0	%100
50	M49	Z	7.824	7.824	0	%100
51	M64	X	4.517	4.517	0	%100
52	M64	Z	7.824	7.824	0	%100
53	M72	X	4.517	4.517	0	%100
54	M72	Z	7.824	7.824	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	4.517	4.517	0	%100
62	M67	Z	7.824	7.824	0	%100
63	M74	X	4.517	4.517	0	%100
64	M74	Z	7.824	7.824	0	%100
65	M75	X	4.517	4.517	0	%100
66	M75	Z	7.824	7.824	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	5.741	5.741	0	%100
70	M77	Z	9.943	9.943	0	%100
71	M78	X	5.741	5.741	0	%100
72	M78	Z	9.943	9.943	0	%100
73	M79	X	1.282	1.282	0	%100
74	M79	Z	2.221	2.221	0	%100
75	M80	X	1.282	1.282	0	%100
76	M80	Z	2.221	2.221	0	%100
77	M81	X	5.129	5.129	0	%100
78	M81	Z	8.884	8.884	0	%100
79	OVP	X	4.975	4.975	0	%100
80	OVP	Z	8.617	8.617	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	9.694	9.694	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	5.237	5.237	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	5.237	5.237	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	5.237	5.237	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	20.949	20.949	0	%100
11	M13	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M13	Z	5.237	5.237	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	20.949	20.949	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	13.247	13.247	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	9.694	9.694	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	9.951	9.951	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	9.951	9.951	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	9.951	9.951	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	9.951	9.951	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	9.951	9.951	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	9.951	9.951	0	%100
33	MP3C	X	0	0	0	%100
34	MP3C	Z	9.951	9.951	0	%100
35	MP4C	X	0	0	0	%100
36	MP4C	Z	9.951	9.951	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	9.951	9.951	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	9.951	9.951	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	9.951	9.951	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	9.951	9.951	0	%100
45	M47	X	0	0	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	13.247	13.247	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	12.045	12.045	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	12.045	12.045	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	12.045	12.045	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	3.011	3.011	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	3.011	3.011	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	3.011	3.011	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	3.011	3.011	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	3.011	3.011	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	3.011	3.011	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	3.827	3.827	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,%]
69	M77	X	0	0	0	%100
70	M77	Z	3.827	3.827	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	15.308	15.308	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	7.694	7.694	0	%100
75	M80	X	0	0	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	7.694	7.694	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	9.951	9.951	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	-6.463	-6.463	0	%100
2	M1	Z	11.194	11.194	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	-7.856	-7.856	0	%100
8	M7	Z	13.607	13.607	0	%100
9	M9	X	-7.856	-7.856	0	%100
10	M9	Z	13.607	13.607	0	%100
11	M13	X	-7.856	-7.856	0	%100
12	M13	Z	13.607	13.607	0	%100
13	FACE	X	-7.856	-7.856	0	%100
14	FACE	Z	13.607	13.607	0	%100
15	M10	X	-8.831	-8.831	0	%100
16	M10	Z	15.296	15.296	0	%100
17	M11	X	-1.616	-1.616	0	%100
18	M11	Z	2.798	2.798	0	%100
19	M14	X	-1.616	-1.616	0	%100
20	M14	Z	2.798	2.798	0	%100
21	MP1A	X	-4.975	-4.975	0	%100
22	MP1A	Z	8.617	8.617	0	%100
23	MP2A	X	-4.975	-4.975	0	%100
24	MP2A	Z	8.617	8.617	0	%100
25	MP3A	X	-4.975	-4.975	0	%100
26	MP3A	Z	8.617	8.617	0	%100
27	MP4A	X	-4.975	-4.975	0	%100
28	MP4A	Z	8.617	8.617	0	%100
29	MP1C	X	-4.975	-4.975	0	%100
30	MP1C	Z	8.617	8.617	0	%100
31	MP2C	X	-4.975	-4.975	0	%100
32	MP2C	Z	8.617	8.617	0	%100
33	MP3C	X	-4.975	-4.975	0	%100
34	MP3C	Z	8.617	8.617	0	%100
35	MP4C	X	-4.975	-4.975	0	%100
36	MP4C	Z	8.617	8.617	0	%100
37	MP1B	X	-4.975	-4.975	0	%100
38	MP1B	Z	8.617	8.617	0	%100
39	MP2B	X	-4.975	-4.975	0	%100
40	MP2B	Z	8.617	8.617	0	%100
41	MP3B	X	-4.975	-4.975	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,%]
42	MP3B	Z	8.617	8.617	0	%100
43	MP4B	X	-4.975	-4.975	0	%100
44	MP4B	Z	8.617	8.617	0	%100
45	M47	X	-2.208	-2.208	0	%100
46	M47	Z	3.824	3.824	0	%100
47	M48	X	-2.208	-2.208	0	%100
48	M48	Z	3.824	3.824	0	%100
49	M49	X	-4.517	-4.517	0	%100
50	M49	Z	7.824	7.824	0	%100
51	M64	X	-4.517	-4.517	0	%100
52	M64	Z	7.824	7.824	0	%100
53	M72	X	-4.517	-4.517	0	%100
54	M72	Z	7.824	7.824	0	%100
55	M58	X	-4.517	-4.517	0	%100
56	M58	Z	7.824	7.824	0	%100
57	M65	X	-4.517	-4.517	0	%100
58	M65	Z	7.824	7.824	0	%100
59	M66	X	-4.517	-4.517	0	%100
60	M66	Z	7.824	7.824	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	-5.741	-5.741	0	%100
68	M76	Z	9.943	9.943	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	-5.741	-5.741	0	%100
72	M78	Z	9.943	9.943	0	%100
73	M79	X	-5.129	-5.129	0	%100
74	M79	Z	8.884	8.884	0	%100
75	M80	X	-1.282	-1.282	0	%100
76	M80	Z	2.221	2.221	0	%100
77	M81	X	-1.282	-1.282	0	%100
78	M81	Z	2.221	2.221	0	%100
79	OVP	X	-4.975	-4.975	0	%100
80	OVP	Z	8.617	8.617	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	-8.395	-8.395	0	%100
2	M1	Z	4.847	4.847	0	%100
3	M2	X	-4.536	-4.536	0	%100
4	M2	Z	2.619	2.619	0	%100
5	M3	X	-4.536	-4.536	0	%100
6	M3	Z	2.619	2.619	0	%100
7	M7	X	-18.142	-18.142	0	%100
8	M7	Z	10.474	10.474	0	%100
9	M9	X	-4.536	-4.536	0	%100
10	M9	Z	2.619	2.619	0	%100
11	M13	X	-18.142	-18.142	0	%100
12	M13	Z	10.474	10.474	0	%100
13	FACE	X	-4.536	-4.536	0	%100
14	FACE	Z	2.619	2.619	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,%]
15	M10	X	-11.472	-11.472	0	%100
16	M10	Z	6.623	6.623	0	%100
17	M11	X	-8.395	-8.395	0	%100
18	M11	Z	4.847	4.847	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	-8.617	-8.617	0	%100
22	MP1A	Z	4.975	4.975	0	%100
23	MP2A	X	-8.617	-8.617	0	%100
24	MP2A	Z	4.975	4.975	0	%100
25	MP3A	X	-8.617	-8.617	0	%100
26	MP3A	Z	4.975	4.975	0	%100
27	MP4A	X	-8.617	-8.617	0	%100
28	MP4A	Z	4.975	4.975	0	%100
29	MP1C	X	-8.617	-8.617	0	%100
30	MP1C	Z	4.975	4.975	0	%100
31	MP2C	X	-8.617	-8.617	0	%100
32	MP2C	Z	4.975	4.975	0	%100
33	MP3C	X	-8.617	-8.617	0	%100
34	MP3C	Z	4.975	4.975	0	%100
35	MP4C	X	-8.617	-8.617	0	%100
36	MP4C	Z	4.975	4.975	0	%100
37	MP1B	X	-8.617	-8.617	0	%100
38	MP1B	Z	4.975	4.975	0	%100
39	MP2B	X	-8.617	-8.617	0	%100
40	MP2B	Z	4.975	4.975	0	%100
41	MP3B	X	-8.617	-8.617	0	%100
42	MP3B	Z	4.975	4.975	0	%100
43	MP4B	X	-8.617	-8.617	0	%100
44	MP4B	Z	4.975	4.975	0	%100
45	M47	X	-11.472	-11.472	0	%100
46	M47	Z	6.623	6.623	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	-2.608	-2.608	0	%100
50	M49	Z	1.506	1.506	0	%100
51	M64	X	-2.608	-2.608	0	%100
52	M64	Z	1.506	1.506	0	%100
53	M72	X	-2.608	-2.608	0	%100
54	M72	Z	1.506	1.506	0	%100
55	M58	X	-10.432	-10.432	0	%100
56	M58	Z	6.023	6.023	0	%100
57	M65	X	-10.432	-10.432	0	%100
58	M65	Z	6.023	6.023	0	%100
59	M66	X	-10.432	-10.432	0	%100
60	M66	Z	6.023	6.023	0	%100
61	M67	X	-2.608	-2.608	0	%100
62	M67	Z	1.506	1.506	0	%100
63	M74	X	-2.608	-2.608	0	%100
64	M74	Z	1.506	1.506	0	%100
65	M75	X	-2.608	-2.608	0	%100
66	M75	Z	1.506	1.506	0	%100
67	M76	X	-13.257	-13.257	0	%100
68	M76	Z	7.654	7.654	0	%100
69	M77	X	-3.314	-3.314	0	%100
70	M77	Z	1.914	1.914	0	%100
71	M78	X	-3.314	-3.314	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,%]
72	M78	Z	1.914	1.914	0	%100
73	M79	X	-6.663	-6.663	0	%100
74	M79	Z	3.847	3.847	0	%100
75	M80	X	-6.663	-6.663	0	%100
76	M80	Z	3.847	3.847	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	-8.617	-8.617	0	%100
80	OVP	Z	4.975	4.975	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	-3.231	-3.231	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-15.711	-15.711	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-15.711	-15.711	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	-15.711	-15.711	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M13	X	-15.711	-15.711	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	M10	X	-4.416	-4.416	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-12.926	-12.926	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	-3.231	-3.231	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	-9.951	-9.951	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	-9.951	-9.951	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	-9.951	-9.951	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	-9.951	-9.951	0	%100
28	MP4A	Z	0	0	0	%100
29	MP1C	X	-9.951	-9.951	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	-9.951	-9.951	0	%100
32	MP2C	Z	0	0	0	%100
33	MP3C	X	-9.951	-9.951	0	%100
34	MP3C	Z	0	0	0	%100
35	MP4C	X	-9.951	-9.951	0	%100
36	MP4C	Z	0	0	0	%100
37	MP1B	X	-9.951	-9.951	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-9.951	-9.951	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	-9.951	-9.951	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	-9.951	-9.951	0	%100
44	MP4B	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,%]
45	M47	X	-17.663	-17.663	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	-4.416	-4.416	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	0	0	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	0	0	0	%100
55	M58	X	-9.034	-9.034	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	-9.034	-9.034	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	-9.034	-9.034	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	-9.034	-9.034	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	-9.034	-9.034	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	-9.034	-9.034	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	-11.481	-11.481	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	-11.481	-11.481	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	0	0	0	%100
73	M79	X	-2.565	-2.565	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	-10.259	-10.259	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	-2.565	-2.565	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	-9.951	-9.951	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-18.142	-18.142	0	%100
4	M2	Z	-10.474	-10.474	0	%100
5	M3	X	-18.142	-18.142	0	%100
6	M3	Z	-10.474	-10.474	0	%100
7	M7	X	-4.536	-4.536	0	%100
8	M7	Z	-2.619	-2.619	0	%100
9	M9	X	-4.536	-4.536	0	%100
10	M9	Z	-2.619	-2.619	0	%100
11	M13	X	-4.536	-4.536	0	%100
12	M13	Z	-2.619	-2.619	0	%100
13	FACE	X	-4.536	-4.536	0	%100
14	FACE	Z	-2.619	-2.619	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-8.395	-8.395	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,%]
18	M11	Z	-4.847	-4.847	0	%100
19	M14	X	-8.395	-8.395	0	%100
20	M14	Z	-4.847	-4.847	0	%100
21	MP1A	X	-8.617	-8.617	0	%100
22	MP1A	Z	-4.975	-4.975	0	%100
23	MP2A	X	-8.617	-8.617	0	%100
24	MP2A	Z	-4.975	-4.975	0	%100
25	MP3A	X	-8.617	-8.617	0	%100
26	MP3A	Z	-4.975	-4.975	0	%100
27	MP4A	X	-8.617	-8.617	0	%100
28	MP4A	Z	-4.975	-4.975	0	%100
29	MP1C	X	-8.617	-8.617	0	%100
30	MP1C	Z	-4.975	-4.975	0	%100
31	MP2C	X	-8.617	-8.617	0	%100
32	MP2C	Z	-4.975	-4.975	0	%100
33	MP3C	X	-8.617	-8.617	0	%100
34	MP3C	Z	-4.975	-4.975	0	%100
35	MP4C	X	-8.617	-8.617	0	%100
36	MP4C	Z	-4.975	-4.975	0	%100
37	MP1B	X	-8.617	-8.617	0	%100
38	MP1B	Z	-4.975	-4.975	0	%100
39	MP2B	X	-8.617	-8.617	0	%100
40	MP2B	Z	-4.975	-4.975	0	%100
41	MP3B	X	-8.617	-8.617	0	%100
42	MP3B	Z	-4.975	-4.975	0	%100
43	MP4B	X	-8.617	-8.617	0	%100
44	MP4B	Z	-4.975	-4.975	0	%100
45	M47	X	-11.472	-11.472	0	%100
46	M47	Z	-6.623	-6.623	0	%100
47	M48	X	-11.472	-11.472	0	%100
48	M48	Z	-6.623	-6.623	0	%100
49	M49	X	-2.608	-2.608	0	%100
50	M49	Z	-1.506	-1.506	0	%100
51	M64	X	-2.608	-2.608	0	%100
52	M64	Z	-1.506	-1.506	0	%100
53	M72	X	-2.608	-2.608	0	%100
54	M72	Z	-1.506	-1.506	0	%100
55	M58	X	-2.608	-2.608	0	%100
56	M58	Z	-1.506	-1.506	0	%100
57	M65	X	-2.608	-2.608	0	%100
58	M65	Z	-1.506	-1.506	0	%100
59	M66	X	-2.608	-2.608	0	%100
60	M66	Z	-1.506	-1.506	0	%100
61	M67	X	-10.432	-10.432	0	%100
62	M67	Z	-6.023	-6.023	0	%100
63	M74	X	-10.432	-10.432	0	%100
64	M74	Z	-6.023	-6.023	0	%100
65	M75	X	-10.432	-10.432	0	%100
66	M75	Z	-6.023	-6.023	0	%100
67	M76	X	-3.314	-3.314	0	%100
68	M76	Z	-1.914	-1.914	0	%100
69	M77	X	-13.257	-13.257	0	%100
70	M77	Z	-7.654	-7.654	0	%100
71	M78	X	-3.314	-3.314	0	%100
72	M78	Z	-1.914	-1.914	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	0	0	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,%]
75	M80	X	-6.663	-6.663	0	%100
76	M80	Z	-3.847	-3.847	0	%100
77	M81	X	-6.663	-6.663	0	%100
78	M81	Z	-3.847	-3.847	0	%100
79	OVP	X	-8.617	-8.617	0	%100
80	OVP	Z	-4.975	-4.975	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	-1.616	-1.616	0	%100
2	M1	Z	-2.798	-2.798	0	%100
3	M2	X	-7.856	-7.856	0	%100
4	M2	Z	-13.607	-13.607	0	%100
5	M3	X	-7.856	-7.856	0	%100
6	M3	Z	-13.607	-13.607	0	%100
7	*M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	-7.856	-7.856	0	%100
10	M9	Z	-13.607	-13.607	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	-7.856	-7.856	0	%100
14	FACE	Z	-13.607	-13.607	0	%100
15	M10	X	-2.208	-2.208	0	%100
16	M10	Z	-3.824	-3.824	0	%100
17	M11	X	-1.616	-1.616	0	%100
18	M11	Z	-2.798	-2.798	0	%100
19	M14	X	-6.463	-6.463	0	%100
20	M14	Z	-11.194	-11.194	0	%100
21	MP1A	X	-4.975	-4.975	0	%100
22	MP1A	Z	-8.617	-8.617	0	%100
23	MP2A	X	-4.975	-4.975	0	%100
24	MP2A	Z	-8.617	-8.617	0	%100
25	MP3A	X	-4.975	-4.975	0	%100
26	MP3A	Z	-8.617	-8.617	0	%100
27	MP4A	X	-4.975	-4.975	0	%100
28	MP4A	Z	-8.617	-8.617	0	%100
29	MP1C	X	-4.975	-4.975	0	%100
30	MP1C	Z	-8.617	-8.617	0	%100
31	MP2C	X	-4.975	-4.975	0	%100
32	MP2C	Z	-8.617	-8.617	0	%100
33	MP3C	X	-4.975	-4.975	0	%100
34	MP3C	Z	-8.617	-8.617	0	%100
35	MP4C	X	-4.975	-4.975	0	%100
36	MP4C	Z	-8.617	-8.617	0	%100
37	MP1B	X	-4.975	-4.975	0	%100
38	MP1B	Z	-8.617	-8.617	0	%100
39	MP2B	X	-4.975	-4.975	0	%100
40	MP2B	Z	-8.617	-8.617	0	%100
41	MP3B	X	-4.975	-4.975	0	%100
42	MP3B	Z	-8.617	-8.617	0	%100
43	MP4B	X	-4.975	-4.975	0	%100
44	MP4B	Z	-8.617	-8.617	0	%100
45	M47	X	-2.208	-2.208	0	%100
46	M47	Z	-3.824	-3.824	0	%100
47	M48	X	-8.831	-8.831	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,%]
48	M48	Z	-15.296	-15.296	0	%100
49	M49	X	-4.517	-4.517	0	%100
50	M49	Z	-7.824	-7.824	0	%100
51	M64	X	-4.517	-4.517	0	%100
52	M64	Z	-7.824	-7.824	0	%100
53	M72	X	-4.517	-4.517	0	%100
54	M72	Z	-7.824	-7.824	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	-4.517	-4.517	0	%100
62	M67	Z	-7.824	-7.824	0	%100
63	M74	X	-4.517	-4.517	0	%100
64	M74	Z	-7.824	-7.824	0	%100
65	M75	X	-4.517	-4.517	0	%100
66	M75	Z	-7.824	-7.824	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	-5.741	-5.741	0	%100
70	M77	Z	-9.943	-9.943	0	%100
71	M78	X	-5.741	-5.741	0	%100
72	M78	Z	-9.943	-9.943	0	%100
73	M79	X	-1.282	-1.282	0	%100
74	M79	Z	-2.221	-2.221	0	%100
75	M80	X	-1.282	-1.282	0	%100
76	M80	Z	-2.221	-2.221	0	%100
77	M81	X	-5.129	-5.129	0	%100
78	M81	Z	-8.884	-8.884	0	%100
79	OVP	X	-4.975	-4.975	0	%100
80	OVP	Z	-8.617	-8.617	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	-2.694	-2.694	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.328	-1.328	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.328	-1.328	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-1.328	-1.328	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-5.312	-5.312	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	-1.328	-1.328	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-5.312	-5.312	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-3.447	-3.447	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-2.694	-2.694	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,%]
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-3.403	-3.403	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-3.403	-3.403	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-3.403	-3.403	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	-3.403	-3.403	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	-3.403	-3.403	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-3.403	-3.403	0	%100
33	MP3C	X	0	0	0	%100
34	MP3C	Z	-3.403	-3.403	0	%100
35	MP4C	X	0	0	0	%100
36	MP4C	Z	-3.403	-3.403	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-3.403	-3.403	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-3.403	-3.403	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	-3.403	-3.403	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	-3.403	-3.403	0	%100
45	M47	X	0	0	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	-3.447	-3.447	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-3.767	-3.767	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	-3.767	-3.767	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	-3.767	-3.767	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	-.942	-.942	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	-.942	-.942	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	-.942	-.942	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-.942	-.942	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-.942	-.942	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-.942	-.942	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	-.979	-.979	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	-.979	-.979	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	-3.915	-3.915	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	-2.346	-2.346	0	%100
75	M80	X	0	0	0	%100
76	M80	Z	0	0	0	%100
77	M81	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,%]
78	M81	Z	-2.346	-2.346	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-3.403	-3.403	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	1.796	1.796	0	%100
2	M1	Z	-3.11	-3.11	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	1.992	1.992	0	%100
8	M7	Z	-3.45	-3.45	0	%100
9	M9	X	1.992	1.992	0	%100
10	M9	Z	-3.45	-3.45	0	%100
11	M13	X	1.992	1.992	0	%100
12	M13	Z	-3.45	-3.45	0	%100
13	FACE	X	1.992	1.992	0	%100
14	FACE	Z	-3.45	-3.45	0	%100
15	M10	X	2.298	2.298	0	%100
16	M10	Z	-3.98	-3.98	0	%100
17	M11	X	.449	.449	0	%100
18	M11	Z	-.778	-.778	0	%100
19	M14	X	.449	.449	0	%100
20	M14	Z	-.778	-.778	0	%100
21	MP1A	X	1.701	1.701	0	%100
22	MP1A	Z	-2.947	-2.947	0	%100
23	MP2A	X	1.701	1.701	0	%100
24	MP2A	Z	-2.947	-2.947	0	%100
25	MP3A	X	1.701	1.701	0	%100
26	MP3A	Z	-2.947	-2.947	0	%100
27	MP4A	X	1.701	1.701	0	%100
28	MP4A	Z	-2.947	-2.947	0	%100
29	MP1C	X	1.701	1.701	0	%100
30	MP1C	Z	-2.947	-2.947	0	%100
31	MP2C	X	1.701	1.701	0	%100
32	MP2C	Z	-2.947	-2.947	0	%100
33	MP3C	X	1.701	1.701	0	%100
34	MP3C	Z	-2.947	-2.947	0	%100
35	MP4C	X	1.701	1.701	0	%100
36	MP4C	Z	-2.947	-2.947	0	%100
37	MP1B	X	1.701	1.701	0	%100
38	MP1B	Z	-2.947	-2.947	0	%100
39	MP2B	X	1.701	1.701	0	%100
40	MP2B	Z	-2.947	-2.947	0	%100
41	MP3B	X	1.701	1.701	0	%100
42	MP3B	Z	-2.947	-2.947	0	%100
43	MP4B	X	1.701	1.701	0	%100
44	MP4B	Z	-2.947	-2.947	0	%100
45	M47	X	.575	.575	0	%100
46	M47	Z	-.995	-.995	0	%100
47	M48	X	.575	.575	0	%100
48	M48	Z	-.995	-.995	0	%100
49	M49	X	1.413	1.413	0	%100
50	M49	Z	-2.447	-2.447	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,%]
51	M64	X	1.413	1.413	0	%100
52	M64	Z	-2.447	-2.447	0	%100
53	M72	X	1.413	1.413	0	%100
54	M72	Z	-2.447	-2.447	0	%100
55	M58	X	1.413	1.413	0	%100
56	M58	Z	-2.447	-2.447	0	%100
57	M65	X	1.413	1.413	0	%100
58	M65	Z	-2.447	-2.447	0	%100
59	M66	X	1.413	1.413	0	%100
60	M66	Z	-2.447	-2.447	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	1.468	1.468	0	%100
68	M76	Z	-2.543	-2.543	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	1.468	1.468	0	%100
72	M78	Z	-2.543	-2.543	0	%100
73	M79	X	1.564	1.564	0	%100
74	M79	Z	-2.709	-2.709	0	%100
75	M80	X	.391	.391	0	%100
76	M80	Z	-.677	-.677	0	%100
77	M81	X	.391	.391	0	%100
78	M81	Z	-.677	-.677	0	%100
79	OVP	X	1.701	1.701	0	%100
80	OVP	Z	-2.947	-2.947	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	2.333	2.333	0	%100
2	M1	Z	-1.347	-1.347	0	%100
3	M2	X	1.15	1.15	0	%100
4	M2	Z	-.664	-.664	0	%100
5	M3	X	1.15	1.15	0	%100
6	M3	Z	-.664	-.664	0	%100
7	M7	X	4.601	4.601	0	%100
8	M7	Z	-2.656	-2.656	0	%100
9	M9	X	1.15	1.15	0	%100
10	M9	Z	-.664	-.664	0	%100
11	M13	X	4.601	4.601	0	%100
12	M13	Z	-2.656	-2.656	0	%100
13	FACE	X	1.15	1.15	0	%100
14	FACE	Z	-.664	-.664	0	%100
15	M10	X	2.985	2.985	0	%100
16	M10	Z	-1.724	-1.724	0	%100
17	M11	X	2.333	2.333	0	%100
18	M11	Z	-1.347	-1.347	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	2.947	2.947	0	%100
22	MP1A	Z	-1.701	-1.701	0	%100
23	MP2A	X	2.947	2.947	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,%]
24	MP2A	Z	-1.701	-1.701	0	%100
25	MP3A	X	2.947	2.947	0	%100
26	MP3A	Z	-1.701	-1.701	0	%100
27	MP4A	X	2.947	2.947	0	%100
28	MP4A	Z	-1.701	-1.701	0	%100
29	MP1C	X	2.947	2.947	0	%100
30	MP1C	Z	-1.701	-1.701	0	%100
31	MP2C	X	2.947	2.947	0	%100
32	MP2C	Z	-1.701	-1.701	0	%100
33	MP3C	X	2.947	2.947	0	%100
34	MP3C	Z	-1.701	-1.701	0	%100
35	MP4C	X	2.947	2.947	0	%100
36	MP4C	Z	-1.701	-1.701	0	%100
37	MP1B	X	2.947	2.947	0	%100
38	MP1B	Z	-1.701	-1.701	0	%100
39	MP2B	X	2.947	2.947	0	%100
40	MP2B	Z	-1.701	-1.701	0	%100
41	MP3B	X	2.947	2.947	0	%100
42	MP3B	Z	-1.701	-1.701	0	%100
43	MP4B	X	2.947	2.947	0	%100
44	MP4B	Z	-1.701	-1.701	0	%100
45	M47	X	2.985	2.985	0	%100
46	M47	Z	-1.724	-1.724	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	.816	.816	0	%100
50	M49	Z	-.471	-.471	0	%100
51	M64	X	.816	.816	0	%100
52	M64	Z	-.471	-.471	0	%100
53	M72	X	.816	.816	0	%100
54	M72	Z	-.471	-.471	0	%100
55	M58	X	3.262	3.262	0	%100
56	M58	Z	-1.883	-1.883	0	%100
57	M65	X	3.262	3.262	0	%100
58	M65	Z	-1.883	-1.883	0	%100
59	M66	X	3.262	3.262	0	%100
60	M66	Z	-1.883	-1.883	0	%100
61	M67	X	.816	.816	0	%100
62	M67	Z	-.471	-.471	0	%100
63	M74	X	.816	.816	0	%100
64	M74	Z	-.471	-.471	0	%100
65	M75	X	.816	.816	0	%100
66	M75	Z	-.471	-.471	0	%100
67	M76	X	3.39	3.39	0	%100
68	M76	Z	-1.957	-1.957	0	%100
69	M77	X	.848	.848	0	%100
70	M77	Z	-.489	-.489	0	%100
71	M78	X	.848	.848	0	%100
72	M78	Z	-.489	-.489	0	%100
73	M79	X	2.032	2.032	0	%100
74	M79	Z	-1.173	-1.173	0	%100
75	M80	X	2.032	2.032	0	%100
76	M80	Z	-1.173	-1.173	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	2.947	2.947	0	%100
80	OVP	Z	-1.701	-1.701	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	.898	.898	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	3.984	3.984	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.984	3.984	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	3.984	3.984	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M13	X	3.984	3.984	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	M10	X	1.149	1.149	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	3.592	3.592	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	.898	.898	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	3.403	3.403	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	3.403	3.403	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	3.403	3.403	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	3.403	3.403	0	%100
28	MP4A	Z	0	0	0	%100
29	MP1C	X	3.403	3.403	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	3.403	3.403	0	%100
32	MP2C	Z	0	0	0	%100
33	MP3C	X	3.403	3.403	0	%100
34	MP3C	Z	0	0	0	%100
35	MP4C	X	3.403	3.403	0	%100
36	MP4C	Z	0	0	0	%100
37	MP1B	X	3.403	3.403	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	3.403	3.403	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	3.403	3.403	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	3.403	3.403	0	%100
44	MP4B	Z	0	0	0	%100
45	M47	X	4.596	4.596	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	1.149	1.149	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	0	0	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	0	0	0	%100
55	M58	X	2.825	2.825	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	2.825	2.825	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,%]
58	M65	Z	0	0	0	%100
59	M66	X	2.825	2.825	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	2.825	2.825	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	2.825	2.825	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	2.825	2.825	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	2.936	2.936	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	2.936	2.936	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	0	0	0	%100
73	M79	X	.782	.782	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	3.129	3.129	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	.782	.782	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	3.403	3.403	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.601	4.601	0	%100
4	M2	Z	2.656	2.656	0	%100
5	M3	X	4.601	4.601	0	%100
6	M3	Z	2.656	2.656	0	%100
7	M7	X	1.15	1.15	0	%100
8	M7	Z	.664	.664	0	%100
9	M9	X	1.15	1.15	0	%100
10	M9	Z	.664	.664	0	%100
11	M13	X	1.15	1.15	0	%100
12	M13	Z	.664	.664	0	%100
13	FACE	X	1.15	1.15	0	%100
14	FACE	Z	.664	.664	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	2.333	2.333	0	%100
18	M11	Z	1.347	1.347	0	%100
19	M14	X	2.333	2.333	0	%100
20	M14	Z	1.347	1.347	0	%100
21	MP1A	X	2.947	2.947	0	%100
22	MP1A	Z	1.701	1.701	0	%100
23	MP2A	X	2.947	2.947	0	%100
24	MP2A	Z	1.701	1.701	0	%100
25	MP3A	X	2.947	2.947	0	%100
26	MP3A	Z	1.701	1.701	0	%100
27	MP4A	X	2.947	2.947	0	%100
28	MP4A	Z	1.701	1.701	0	%100
29	MP1C	X	2.947	2.947	0	%100
30	MP1C	Z	1.701	1.701	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,%]
31	MP2C	X	2.947	2.947	0	%100
32	MP2C	Z	1.701	1.701	0	%100
33	MP3C	X	2.947	2.947	0	%100
34	MP3C	Z	1.701	1.701	0	%100
35	MP4C	X	2.947	2.947	0	%100
36	MP4C	Z	1.701	1.701	0	%100
37	MP1B	X	2.947	2.947	0	%100
38	MP1B	Z	1.701	1.701	0	%100
39	MP2B	X	2.947	2.947	0	%100
40	MP2B	Z	1.701	1.701	0	%100
41	MP3B	X	2.947	2.947	0	%100
42	MP3B	Z	1.701	1.701	0	%100
43	MP4B	X	2.947	2.947	0	%100
44	MP4B	Z	1.701	1.701	0	%100
45	M47	X	2.985	2.985	0	%100
46	M47	Z	1.724	1.724	0	%100
47	M48	X	2.985	2.985	0	%100
48	M48	Z	1.724	1.724	0	%100
49	M49	X	.816	.816	0	%100
50	M49	Z	.471	.471	0	%100
51	M64	X	.816	.816	0	%100
52	M64	Z	.471	.471	0	%100
53	M72	X	.816	.816	0	%100
54	M72	Z	.471	.471	0	%100
55	M58	X	.816	.816	0	%100
56	M58	Z	.471	.471	0	%100
57	M65	X	.816	.816	0	%100
58	M65	Z	.471	.471	0	%100
59	M66	X	.816	.816	0	%100
60	M66	Z	.471	.471	0	%100
61	M67	X	3.262	3.262	0	%100
62	M67	Z	1.883	1.883	0	%100
63	M74	X	3.262	3.262	0	%100
64	M74	Z	1.883	1.883	0	%100
65	M75	X	3.262	3.262	0	%100
66	M75	Z	1.883	1.883	0	%100
67	M76	X	.848	.848	0	%100
68	M76	Z	.489	.489	0	%100
69	M77	X	3.39	3.39	0	%100
70	M77	Z	1.957	1.957	0	%100
71	M78	X	.848	.848	0	%100
72	M78	Z	.489	.489	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	2.032	2.032	0	%100
76	M80	Z	1.173	1.173	0	%100
77	M81	X	2.032	2.032	0	%100
78	M81	Z	1.173	1.173	0	%100
79	OVP	X	2.947	2.947	0	%100
80	OVP	Z	1.701	1.701	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	.449	.449	0	%100
2	M1	Z	.778	.778	0	%100
3	M2	X	1.992	1.992	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,%]
4	M2	Z	3.45	3.45	0	%100
5	M3	X	1.992	1.992	0	%100
6	M3	Z	3.45	3.45	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	1.992	1.992	0	%100
10	M9	Z	3.45	3.45	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	1.992	1.992	0	%100
14	FACE	Z	3.45	3.45	0	%100
15	M10	X	.575	.575	0	%100
16	M10	Z	.995	.995	0	%100
17	M11	X	.449	.449	0	%100
18	M11	Z	.778	.778	0	%100
19	M14	X	1.796	1.796	0	%100
20	M14	Z	3.11	3.11	0	%100
21	MP1A	X	1.701	1.701	0	%100
22	MP1A	Z	2.947	2.947	0	%100
23	MP2A	X	1.701	1.701	0	%100
24	MP2A	Z	2.947	2.947	0	%100
25	MP3A	X	1.701	1.701	0	%100
26	MP3A	Z	2.947	2.947	0	%100
27	MP4A	X	1.701	1.701	0	%100
28	MP4A	Z	2.947	2.947	0	%100
29	MP1C	X	1.701	1.701	0	%100
30	MP1C	Z	2.947	2.947	0	%100
31	MP2C	X	1.701	1.701	0	%100
32	MP2C	Z	2.947	2.947	0	%100
33	MP3C	X	1.701	1.701	0	%100
34	MP3C	Z	2.947	2.947	0	%100
35	MP4C	X	1.701	1.701	0	%100
36	MP4C	Z	2.947	2.947	0	%100
37	MP1B	X	1.701	1.701	0	%100
38	MP1B	Z	2.947	2.947	0	%100
39	MP2B	X	1.701	1.701	0	%100
40	MP2B	Z	2.947	2.947	0	%100
41	MP3B	X	1.701	1.701	0	%100
42	MP3B	Z	2.947	2.947	0	%100
43	MP4B	X	1.701	1.701	0	%100
44	MP4B	Z	2.947	2.947	0	%100
45	M47	X	.575	.575	0	%100
46	M47	Z	.995	.995	0	%100
47	M48	X	2.298	2.298	0	%100
48	M48	Z	3.98	3.98	0	%100
49	M49	X	1.413	1.413	0	%100
50	M49	Z	2.447	2.447	0	%100
51	M64	X	1.413	1.413	0	%100
52	M64	Z	2.447	2.447	0	%100
53	M72	X	1.413	1.413	0	%100
54	M72	Z	2.447	2.447	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	0	0	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,%]
61	M67	X	1.413	1.413	0	%100
62	M67	Z	2.447	2.447	0	%100
63	M74	X	1.413	1.413	0	%100
64	M74	Z	2.447	2.447	0	%100
65	M75	X	1.413	1.413	0	%100
66	M75	Z	2.447	2.447	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	1.468	1.468	0	%100
70	M77	Z	2.543	2.543	0	%100
71	M78	X	1.468	1.468	0	%100
72	M78	Z	2.543	2.543	0	%100
73	M79	X	.391	.391	0	%100
74	M79	Z	.677	.677	0	%100
75	M80	X	.391	.391	0	%100
76	M80	Z	.677	.677	0	%100
77	M81	X	1.564	1.564	0	%100
78	M81	Z	2.709	2.709	0	%100
79	OVP	X	1.701	1.701	0	%100
80	OVP	Z	2.947	2.947	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	2.694	2.694	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.328	1.328	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.328	1.328	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	1.328	1.328	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	5.312	5.312	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	1.328	1.328	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	5.312	5.312	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	3.447	3.447	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	2.694	2.694	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	3.403	3.403	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	3.403	3.403	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	3.403	3.403	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	3.403	3.403	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	3.403	3.403	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	3.403	3.403	0	%100
33	MP3C	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,%]
34	MP3C	Z	3.403	3.403	0	%100
35	MP4C	X	0	0	0	%100
36	MP4C	Z	3.403	3.403	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	3.403	3.403	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	3.403	3.403	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	3.403	3.403	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	3.403	3.403	0	%100
45	M47	X	0	0	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	3.447	3.447	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	3.767	3.767	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	3.767	3.767	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	3.767	3.767	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	.942	.942	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	.942	.942	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	.942	.942	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	.942	.942	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	.942	.942	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	.942	.942	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	.979	.979	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	.979	.979	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	3.915	3.915	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	2.346	2.346	0	%100
75	M80	X	0	0	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	2.346	2.346	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	3.403	3.403	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	-1.796	-1.796	0	%100
2	M1	Z	3.11	3.11	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M7	X	-1.992	-1.992	0	%100
8	M7	Z	3.45	3.45	0	%100
9	M9	X	-1.992	-1.992	0	%100
10	M9	Z	3.45	3.45	0	%100
11	M13	X	-1.992	-1.992	0	%100
12	M13	Z	3.45	3.45	0	%100
13	FACE	X	-1.992	-1.992	0	%100
14	FACE	Z	3.45	3.45	0	%100
15	M10	X	-2.298	-2.298	0	%100
16	M10	Z	3.98	3.98	0	%100
17	M11	X	-.449	-.449	0	%100
18	M11	Z	.778	.778	0	%100
19	M14	X	-.449	-.449	0	%100
20	M14	Z	.778	.778	0	%100
21	MP1A	X	-1.701	-1.701	0	%100
22	MP1A	Z	2.947	2.947	0	%100
23	MP2A	X	-1.701	-1.701	0	%100
24	MP2A	Z	2.947	2.947	0	%100
25	MP3A	X	-1.701	-1.701	0	%100
26	MP3A	Z	2.947	2.947	0	%100
27	MP4A	X	-1.701	-1.701	0	%100
28	MP4A	Z	2.947	2.947	0	%100
29	MP1C	X	-1.701	-1.701	0	%100
30	MP1C	Z	2.947	2.947	0	%100
31	MP2C	X	-1.701	-1.701	0	%100
32	MP2C	Z	2.947	2.947	0	%100
33	MP3C	X	-1.701	-1.701	0	%100
34	MP3C	Z	2.947	2.947	0	%100
35	MP4C	X	-1.701	-1.701	0	%100
36	MP4C	Z	2.947	2.947	0	%100
37	MP1B	X	-1.701	-1.701	0	%100
38	MP1B	Z	2.947	2.947	0	%100
39	MP2B	X	-1.701	-1.701	0	%100
40	MP2B	Z	2.947	2.947	0	%100
41	MP3B	X	-1.701	-1.701	0	%100
42	MP3B	Z	2.947	2.947	0	%100
43	MP4B	X	-1.701	-1.701	0	%100
44	MP4B	Z	2.947	2.947	0	%100
45	M47	X	-.575	-.575	0	%100
46	M47	Z	.995	.995	0	%100
47	M48	X	-.575	-.575	0	%100
48	M48	Z	.995	.995	0	%100
49	M49	X	-1.413	-1.413	0	%100
50	M49	Z	2.447	2.447	0	%100
51	M64	X	-1.413	-1.413	0	%100
52	M64	Z	2.447	2.447	0	%100
53	M72	X	-1.413	-1.413	0	%100
54	M72	Z	2.447	2.447	0	%100
55	M58	X	-1.413	-1.413	0	%100
56	M58	Z	2.447	2.447	0	%100
57	M65	X	-1.413	-1.413	0	%100
58	M65	Z	2.447	2.447	0	%100
59	M66	X	-1.413	-1.413	0	%100
60	M66	Z	2.447	2.447	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	-1.468	-1.468	0	%100
68	M76	Z	2.543	2.543	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	-1.468	-1.468	0	%100
72	M78	Z	2.543	2.543	0	%100
73	M79	X	-1.564	-1.564	0	%100
74	M79	Z	2.709	2.709	0	%100
75	M80	X	-.391	-.391	0	%100
76	M80	Z	.677	.677	0	%100
77	M81	X	-.391	-.391	0	%100
78	M81	Z	.677	.677	0	%100
79	OVP	X	-1.701	-1.701	0	%100
80	OVP	Z	2.947	2.947	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	-2.333	-2.333	0	%100
2	M1	Z	1.347	1.347	0	%100
3	M2	X	-1.15	-1.15	0	%100
4	M2	Z	.664	.664	0	%100
5	M3	X	-1.15	-1.15	0	%100
6	M3	Z	.664	.664	0	%100
7	M7	X	-4.601	-4.601	0	%100
8	M7	Z	2.656	2.656	0	%100
9	M9	X	-1.15	-1.15	0	%100
10	M9	Z	.664	.664	0	%100
11	M13	X	-4.601	-4.601	0	%100
12	M13	Z	2.656	2.656	0	%100
13	FACE	X	-1.15	-1.15	0	%100
14	FACE	Z	.664	.664	0	%100
15	M10	X	-2.985	-2.985	0	%100
16	M10	Z	1.724	1.724	0	%100
17	M11	X	-2.333	-2.333	0	%100
18	M11	Z	1.347	1.347	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	-2.947	-2.947	0	%100
22	MP1A	Z	1.701	1.701	0	%100
23	MP2A	X	-2.947	-2.947	0	%100
24	MP2A	Z	1.701	1.701	0	%100
25	MP3A	X	-2.947	-2.947	0	%100
26	MP3A	Z	1.701	1.701	0	%100
27	MP4A	X	-2.947	-2.947	0	%100
28	MP4A	Z	1.701	1.701	0	%100
29	MP1C	X	-2.947	-2.947	0	%100
30	MP1C	Z	1.701	1.701	0	%100
31	MP2C	X	-2.947	-2.947	0	%100
32	MP2C	Z	1.701	1.701	0	%100
33	MP3C	X	-2.947	-2.947	0	%100
34	MP3C	Z	1.701	1.701	0	%100
35	MP4C	X	-2.947	-2.947	0	%100
36	MP4C	Z	1.701	1.701	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,%]
37	MP1B	X	-2.947	-2.947	0	%100
38	MP1B	Z	1.701	1.701	0	%100
39	MP2B	X	-2.947	-2.947	0	%100
40	MP2B	Z	1.701	1.701	0	%100
41	MP3B	X	-2.947	-2.947	0	%100
42	MP3B	Z	1.701	1.701	0	%100
43	MP4B	X	-2.947	-2.947	0	%100
44	MP4B	Z	1.701	1.701	0	%100
45	M47	X	-2.985	-2.985	0	%100
46	M47	Z	1.724	1.724	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	-.816	-.816	0	%100
50	M49	Z	.471	.471	0	%100
51	M64	X	-.816	-.816	0	%100
52	M64	Z	.471	.471	0	%100
53	M72	X	-.816	-.816	0	%100
54	M72	Z	.471	.471	0	%100
55	M58	X	-3.262	-3.262	0	%100
56	M58	Z	1.883	1.883	0	%100
57	M65	X	-3.262	-3.262	0	%100
58	M65	Z	1.883	1.883	0	%100
59	M66	X	-3.262	-3.262	0	%100
60	M66	Z	1.883	1.883	0	%100
61	M67	X	-.816	-.816	0	%100
62	M67	Z	.471	.471	0	%100
63	M74	X	-.816	-.816	0	%100
64	M74	Z	.471	.471	0	%100
65	M75	X	-.816	-.816	0	%100
66	M75	Z	.471	.471	0	%100
67	M76	X	-3.39	-3.39	0	%100
68	M76	Z	1.957	1.957	0	%100
69	M77	X	-.848	-.848	0	%100
70	M77	Z	.489	.489	0	%100
71	M78	X	-.848	-.848	0	%100
72	M78	Z	.489	.489	0	%100
73	M79	X	-2.032	-2.032	0	%100
74	M79	Z	1.173	1.173	0	%100
75	M80	X	-2.032	-2.032	0	%100
76	M80	Z	1.173	1.173	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	-2.947	-2.947	0	%100
80	OVP	Z	1.701	1.701	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	-.898	-.898	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-3.984	-3.984	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.984	-3.984	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	-3.984	-3.984	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	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,%]
10	M9	Z	0	0	0	%100
11	M13	X	-3.984	-3.984	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	M10	X	-1.149	-1.149	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-3.592	-3.592	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	-.898	-.898	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	-3.403	-3.403	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	-3.403	-3.403	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	-3.403	-3.403	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	-3.403	-3.403	0	%100
28	MP4A	Z	0	0	0	%100
29	MP1C	X	-3.403	-3.403	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	-3.403	-3.403	0	%100
32	MP2C	Z	0	0	0	%100
33	MP3C	X	-3.403	-3.403	0	%100
34	MP3C	Z	0	0	0	%100
35	MP4C	X	-3.403	-3.403	0	%100
36	MP4C	Z	0	0	0	%100
37	MP1B	X	-3.403	-3.403	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-3.403	-3.403	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	-3.403	-3.403	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	-3.403	-3.403	0	%100
44	MP4B	Z	0	0	0	%100
45	M47	X	-4.596	-4.596	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	-1.149	-1.149	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	0	0	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	0	0	0	%100
55	M58	X	-2.825	-2.825	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	-2.825	-2.825	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	-2.825	-2.825	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	-2.825	-2.825	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	-2.825	-2.825	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	-2.825	-2.825	0	%100
66	M75	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,%]
67	M76	X	-2.936	-2.936	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	-2.936	-2.936	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	0	0	0	%100
73	M79	X	-.782	-.782	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	-3.129	-3.129	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	-.782	-.782	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	-3.403	-3.403	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.601	-4.601	0	%100
4	M2	Z	-2.656	-2.656	0	%100
5	M3	X	-4.601	-4.601	0	%100
6	M3	Z	-2.656	-2.656	0	%100
7	M7	X	-1.15	-1.15	0	%100
8	M7	Z	-.664	-.664	0	%100
9	M9	X	-1.15	-1.15	0	%100
10	M9	Z	-.664	-.664	0	%100
11	M13	X	-1.15	-1.15	0	%100
12	M13	Z	-.664	-.664	0	%100
13	FACE	X	-1.15	-1.15	0	%100
14	FACE	Z	-.664	-.664	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-2.333	-2.333	0	%100
18	M11	Z	-1.347	-1.347	0	%100
19	M14	X	-2.333	-2.333	0	%100
20	M14	Z	-1.347	-1.347	0	%100
21	MP1A	X	-2.947	-2.947	0	%100
22	MP1A	Z	-1.701	-1.701	0	%100
23	MP2A	X	-2.947	-2.947	0	%100
24	MP2A	Z	-1.701	-1.701	0	%100
25	MP3A	X	-2.947	-2.947	0	%100
26	MP3A	Z	-1.701	-1.701	0	%100
27	MP4A	X	-2.947	-2.947	0	%100
28	MP4A	Z	-1.701	-1.701	0	%100
29	MP1C	X	-2.947	-2.947	0	%100
30	MP1C	Z	-1.701	-1.701	0	%100
31	MP2C	X	-2.947	-2.947	0	%100
32	MP2C	Z	-1.701	-1.701	0	%100
33	MP3C	X	-2.947	-2.947	0	%100
34	MP3C	Z	-1.701	-1.701	0	%100
35	MP4C	X	-2.947	-2.947	0	%100
36	MP4C	Z	-1.701	-1.701	0	%100
37	MP1B	X	-2.947	-2.947	0	%100
38	MP1B	Z	-1.701	-1.701	0	%100
39	MP2B	X	-2.947	-2.947	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	MP2B	Z	-1.701	-1.701	0	%100
41	MP3B	X	-2.947	-2.947	0	%100
42	MP3B	Z	-1.701	-1.701	0	%100
43	MP4B	X	-2.947	-2.947	0	%100
44	MP4B	Z	-1.701	-1.701	0	%100
45	M47	X	-2.985	-2.985	0	%100
46	M47	Z	-1.724	-1.724	0	%100
47	M48	X	-2.985	-2.985	0	%100
48	M48	Z	-1.724	-1.724	0	%100
49	M49	X	-.816	-.816	0	%100
50	M49	Z	-.471	-.471	0	%100
51	M64	X	-.816	-.816	0	%100
52	M64	Z	-.471	-.471	0	%100
53	M72	X	-.816	-.816	0	%100
54	M72	Z	-.471	-.471	0	%100
55	M58	X	-.816	-.816	0	%100
56	M58	Z	-.471	-.471	0	%100
57	M65	X	-.816	-.816	0	%100
58	M65	Z	-.471	-.471	0	%100
59	M66	X	-.816	-.816	0	%100
60	M66	Z	-.471	-.471	0	%100
61	M67	X	-3.262	-3.262	0	%100
62	M67	Z	-1.883	-1.883	0	%100
63	M74	X	-3.262	-3.262	0	%100
64	M74	Z	-1.883	-1.883	0	%100
65	M75	X	-3.262	-3.262	0	%100
66	M75	Z	-1.883	-1.883	0	%100
67	M76	X	-.848	-.848	0	%100
68	M76	Z	-.489	-.489	0	%100
69	M77	X	-3.39	-3.39	0	%100
70	M77	Z	-1.957	-1.957	0	%100
71	M78	X	-.848	-.848	0	%100
72	M78	Z	-.489	-.489	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	-2.032	-2.032	0	%100
76	M80	Z	-1.173	-1.173	0	%100
77	M81	X	-2.032	-2.032	0	%100
78	M81	Z	-1.173	-1.173	0	%100
79	OVP	X	-2.947	-2.947	0	%100
80	OVP	Z	-1.701	-1.701	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	-.449	-.449	0	%100
2	M1	Z	-.778	-.778	0	%100
3	M2	X	-1.992	-1.992	0	%100
4	M2	Z	-3.45	-3.45	0	%100
5	M3	X	-1.992	-1.992	0	%100
6	M3	Z	-3.45	-3.45	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	-1.992	-1.992	0	%100
10	M9	Z	-3.45	-3.45	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	0	0	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,%]
13	FACE	X	-1.992	-1.992	0	%100
14	FACE	Z	-3.45	-3.45	0	%100
15	M10	X	-.575	-.575	0	%100
16	M10	Z	-.995	-.995	0	%100
17	M11	X	-.449	-.449	0	%100
18	M11	Z	-.778	-.778	0	%100
19	M14	X	-1.796	-1.796	0	%100
20	M14	Z	-3.11	-3.11	0	%100
21	MP1A	X	-1.701	-1.701	0	%100
22	MP1A	Z	-2.947	-2.947	0	%100
23	MP2A	X	-1.701	-1.701	0	%100
24	MP2A	Z	-2.947	-2.947	0	%100
25	MP3A	X	-1.701	-1.701	0	%100
26	MP3A	Z	-2.947	-2.947	0	%100
27	MP4A	X	-1.701	-1.701	0	%100
28	MP4A	Z	-2.947	-2.947	0	%100
29	MP1C	X	-1.701	-1.701	0	%100
30	MP1C	Z	-2.947	-2.947	0	%100
31	MP2C	X	-1.701	-1.701	0	%100
32	MP2C	Z	-2.947	-2.947	0	%100
33	MP3C	X	-1.701	-1.701	0	%100
34	MP3C	Z	-2.947	-2.947	0	%100
35	MP4C	X	-1.701	-1.701	0	%100
36	MP4C	Z	-2.947	-2.947	0	%100
37	MP1B	X	-1.701	-1.701	0	%100
38	MP1B	Z	-2.947	-2.947	0	%100
39	MP2B	X	-1.701	-1.701	0	%100
40	MP2B	Z	-2.947	-2.947	0	%100
41	MP3B	X	-1.701	-1.701	0	%100
42	MP3B	Z	-2.947	-2.947	0	%100
43	MP4B	X	-1.701	-1.701	0	%100
44	MP4B	Z	-2.947	-2.947	0	%100
45	M47	X	-.575	-.575	0	%100
46	M47	Z	-.995	-.995	0	%100
47	M48	X	-2.298	-2.298	0	%100
48	M48	Z	-3.98	-3.98	0	%100
49	M49	X	-1.413	-1.413	0	%100
50	M49	Z	-2.447	-2.447	0	%100
51	M64	X	-1.413	-1.413	0	%100
52	M64	Z	-2.447	-2.447	0	%100
53	M72	X	-1.413	-1.413	0	%100
54	M72	Z	-2.447	-2.447	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	-1.413	-1.413	0	%100
62	M67	Z	-2.447	-2.447	0	%100
63	M74	X	-1.413	-1.413	0	%100
64	M74	Z	-2.447	-2.447	0	%100
65	M75	X	-1.413	-1.413	0	%100
66	M75	Z	-2.447	-2.447	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	-1.468	-1.468	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,%]
70	M77	Z	-2.543	-2.543	0	%100
71	M78	X	-1.468	-1.468	0	%100
72	M78	Z	-2.543	-2.543	0	%100
73	M79	X	-.391	-.391	0	%100
74	M79	Z	-.677	-.677	0	%100
75	M80	X	-.391	-.391	0	%100
76	M80	Z	-.677	-.677	0	%100
77	M81	X	-1.564	-1.564	0	%100
78	M81	Z	-2.709	-2.709	0	%100
79	OVP	X	-1.701	-1.701	0	%100
80	OVP	Z	-2.947	-2.947	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	-.606	-.606	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.327	-.327	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.327	-.327	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	-.327	-.327	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-1.309	-1.309	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	-.327	-.327	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	-1.309	-1.309	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-.828	-.828	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-.606	-.606	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	-.622	-.622	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	-.622	-.622	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-.622	-.622	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	-.622	-.622	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	-.622	-.622	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	-.622	-.622	0	%100
33	MP3C	X	0	0	0	%100
34	MP3C	Z	-.622	-.622	0	%100
35	MP4C	X	0	0	0	%100
36	MP4C	Z	-.622	-.622	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	-.622	-.622	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	-.622	-.622	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	-.622	-.622	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,%]
43	MP4B	X	0	0	0	%100
44	MP4B	Z	-.622	-.622	0	%100
45	M47	X	0	0	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	-.828	-.828	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-.753	-.753	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	-.753	-.753	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	-.753	-.753	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	-.188	-.188	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	-.188	-.188	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	-.188	-.188	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	-.188	-.188	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	-.188	-.188	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	-.188	-.188	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	-.239	-.239	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	-.239	-.239	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	-.957	-.957	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	-.481	-.481	0	%100
75	M80	X	0	0	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	-.481	-.481	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	-.622	-.622	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	.404	.404	0	%100
2	M1	Z	-.7	-.7	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	.491	.491	0	%100
8	M7	Z	-.85	-.85	0	%100
9	M9	X	.491	.491	0	%100
10	M9	Z	-.85	-.85	0	%100
11	M13	X	.491	.491	0	%100
12	M13	Z	-.85	-.85	0	%100
13	FACE	X	.491	.491	0	%100
14	FACE	Z	-.85	-.85	0	%100
15	M10	X	.552	.552	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,%]
16	M10	Z	-.956	-.956	0	%100
17	M11	X	.101	.101	0	%100
18	M11	Z	-.175	-.175	0	%100
19	M14	X	.101	.101	0	%100
20	M14	Z	-.175	-.175	0	%100
21	MP1A	X	.311	.311	0	%100
22	MP1A	Z	-.539	-.539	0	%100
23	MP2A	X	.311	.311	0	%100
24	MP2A	Z	-.539	-.539	0	%100
25	MP3A	X	.311	.311	0	%100
26	MP3A	Z	-.539	-.539	0	%100
27	MP4A	X	.311	.311	0	%100
28	MP4A	Z	-.539	-.539	0	%100
29	MP1C	X	.311	.311	0	%100
30	MP1C	Z	-.539	-.539	0	%100
31	MP2C	X	.311	.311	0	%100
32	MP2C	Z	-.539	-.539	0	%100
33	MP3C	X	.311	.311	0	%100
34	MP3C	Z	-.539	-.539	0	%100
35	MP4C	X	.311	.311	0	%100
36	MP4C	Z	-.539	-.539	0	%100
37	MP1B	X	.311	.311	0	%100
38	MP1B	Z	-.539	-.539	0	%100
39	MP2B	X	.311	.311	0	%100
40	MP2B	Z	-.539	-.539	0	%100
41	MP3B	X	.311	.311	0	%100
42	MP3B	Z	-.539	-.539	0	%100
43	MP4B	X	.311	.311	0	%100
44	MP4B	Z	-.539	-.539	0	%100
45	M47	X	.138	.138	0	%100
46	M47	Z	-.239	-.239	0	%100
47	M48	X	.138	.138	0	%100
48	M48	Z	-.239	-.239	0	%100
49	M49	X	.282	.282	0	%100
50	M49	Z	-.489	-.489	0	%100
51	M64	X	.282	.282	0	%100
52	M64	Z	-.489	-.489	0	%100
53	M72	X	.282	.282	0	%100
54	M72	Z	-.489	-.489	0	%100
55	M58	X	.282	.282	0	%100
56	M58	Z	-.489	-.489	0	%100
57	M65	X	.282	.282	0	%100
58	M65	Z	-.489	-.489	0	%100
59	M66	X	.282	.282	0	%100
60	M66	Z	-.489	-.489	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	.359	.359	0	%100
68	M76	Z	-.621	-.621	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	.359	.359	0	%100
72	M78	Z	-.621	-.621	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,%]
73	M79	X	.321	.321	0	%100
74	M79	Z	-.555	-.555	0	%100
75	M80	X	.08	.08	0	%100
76	M80	Z	-.139	-.139	0	%100
77	M81	X	.08	.08	0	%100
78	M81	Z	-.139	-.139	0	%100
79	OVP	X	.311	.311	0	%100
80	OVP	Z	-.539	-.539	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	.525	.525	0	%100
2	M1	Z	-.303	-.303	0	%100
3	M2	X	.283	.283	0	%100
4	M2	Z	-.164	-.164	0	%100
5	M3	X	.283	.283	0	%100
6	M3	Z	-.164	-.164	0	%100
7	M7	X	1.134	1.134	0	%100
8	M7	Z	-.655	-.655	0	%100
9	M9	X	.283	.283	0	%100
10	M9	Z	-.164	-.164	0	%100
11	M13	X	1.134	1.134	0	%100
12	M13	Z	-.655	-.655	0	%100
13	FACE	X	.283	.283	0	%100
14	FACE	Z	-.164	-.164	0	%100
15	M10	X	.717	.717	0	%100
16	M10	Z	-.414	-.414	0	%100
17	M11	X	.525	.525	0	%100
18	M11	Z	-.303	-.303	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	.539	.539	0	%100
22	MP1A	Z	-.311	-.311	0	%100
23	MP2A	X	.539	.539	0	%100
24	MP2A	Z	-.311	-.311	0	%100
25	MP3A	X	.539	.539	0	%100
26	MP3A	Z	-.311	-.311	0	%100
27	MP4A	X	.539	.539	0	%100
28	MP4A	Z	-.311	-.311	0	%100
29	MP1C	X	.539	.539	0	%100
30	MP1C	Z	-.311	-.311	0	%100
31	MP2C	X	.539	.539	0	%100
32	MP2C	Z	-.311	-.311	0	%100
33	MP3C	X	.539	.539	0	%100
34	MP3C	Z	-.311	-.311	0	%100
35	MP4C	X	.539	.539	0	%100
36	MP4C	Z	-.311	-.311	0	%100
37	MP1B	X	.539	.539	0	%100
38	MP1B	Z	-.311	-.311	0	%100
39	MP2B	X	.539	.539	0	%100
40	MP2B	Z	-.311	-.311	0	%100
41	MP3B	X	.539	.539	0	%100
42	MP3B	Z	-.311	-.311	0	%100
43	MP4B	X	.539	.539	0	%100
44	MP4B	Z	-.311	-.311	0	%100
45	M47	X	.717	.717	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,%]
46	M47	Z	-.414	-.414	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	.163	.163	0	%100
50	M49	Z	-.094	-.094	0	%100
51	M64	X	.163	.163	0	%100
52	M64	Z	-.094	-.094	0	%100
53	M72	X	.163	.163	0	%100
54	M72	Z	-.094	-.094	0	%100
55	M58	X	.652	.652	0	%100
56	M58	Z	-.376	-.376	0	%100
57	M65	X	.652	.652	0	%100
58	M65	Z	-.376	-.376	0	%100
59	M66	X	.652	.652	0	%100
60	M66	Z	-.376	-.376	0	%100
61	M67	X	.163	.163	0	%100
62	M67	Z	-.094	-.094	0	%100
63	M74	X	.163	.163	0	%100
64	M74	Z	-.094	-.094	0	%100
65	M75	X	.163	.163	0	%100
66	M75	Z	-.094	-.094	0	%100
67	M76	X	.829	.829	0	%100
68	M76	Z	-.478	-.478	0	%100
69	M77	X	.207	.207	0	%100
70	M77	Z	-.12	-.12	0	%100
71	M78	X	.207	.207	0	%100
72	M78	Z	-.12	-.12	0	%100
73	M79	X	.416	.416	0	%100
74	M79	Z	-.24	-.24	0	%100
75	M80	X	.416	.416	0	%100
76	M80	Z	-.24	-.24	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	.539	.539	0	%100
80	OVP	Z	-.311	-.311	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	.202	.202	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.982	.982	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.982	.982	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	.982	.982	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M13	X	.982	.982	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	M10	X	.276	.276	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.808	.808	0	%100
18	M11	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M14	X	.202	.202	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	.622	.622	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	.622	.622	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	.622	.622	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	.622	.622	0	%100
28	MP4A	Z	0	0	0	%100
29	MP1C	X	.622	.622	0	%100
30	MP1C	Z	0	0	0	%100
31	MP2C	X	.622	.622	0	%100
32	MP2C	Z	0	0	0	%100
33	MP3C	X	.622	.622	0	%100
34	MP3C	Z	0	0	0	%100
35	MP4C	X	.622	.622	0	%100
36	MP4C	Z	0	0	0	%100
37	MP1B	X	.622	.622	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	.622	.622	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	.622	.622	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	.622	.622	0	%100
44	MP4B	Z	0	0	0	%100
45	M47	X	1.104	1.104	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	.276	.276	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	0	0	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	0	0	0	%100
55	M58	X	.565	.565	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	.565	.565	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	.565	.565	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	.565	.565	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	.565	.565	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	.565	.565	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	.718	.718	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	.718	.718	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	0	0	0	%100
73	M79	X	.16	.16	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	.641	.641	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
76	M80	Z	0	0	0	%100
77	M81	X	.16	.16	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	.622	.622	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.134	1.134	0	%100
4	M2	Z	.655	.655	0	%100
5	M3	X	1.134	1.134	0	%100
6	M3	Z	.655	.655	0	%100
7	M7	X	.283	.283	0	%100
8	M7	Z	.164	.164	0	%100
9	M9	X	.283	.283	0	%100
10	M9	Z	.164	.164	0	%100
11	M13	X	.283	.283	0	%100
12	M13	Z	.164	.164	0	%100
13	FACE	X	.283	.283	0	%100
14	FACE	Z	.164	.164	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.525	.525	0	%100
18	M11	Z	.303	.303	0	%100
19	M14	X	.525	.525	0	%100
20	M14	Z	.303	.303	0	%100
21	MP1A	X	.539	.539	0	%100
22	MP1A	Z	.311	.311	0	%100
23	MP2A	X	.539	.539	0	%100
24	MP2A	Z	.311	.311	0	%100
25	MP3A	X	.539	.539	0	%100
26	MP3A	Z	.311	.311	0	%100
27	MP4A	X	.539	.539	0	%100
28	MP4A	Z	.311	.311	0	%100
29	MP1C	X	.539	.539	0	%100
30	MP1C	Z	.311	.311	0	%100
31	MP2C	X	.539	.539	0	%100
32	MP2C	Z	.311	.311	0	%100
33	MP3C	X	.539	.539	0	%100
34	MP3C	Z	.311	.311	0	%100
35	MP4C	X	.539	.539	0	%100
36	MP4C	Z	.311	.311	0	%100
37	MP1B	X	.539	.539	0	%100
38	MP1B	Z	.311	.311	0	%100
39	MP2B	X	.539	.539	0	%100
40	MP2B	Z	.311	.311	0	%100
41	MP3B	X	.539	.539	0	%100
42	MP3B	Z	.311	.311	0	%100
43	MP4B	X	.539	.539	0	%100
44	MP4B	Z	.311	.311	0	%100
45	M47	X	.717	.717	0	%100
46	M47	Z	.414	.414	0	%100
47	M48	X	.717	.717	0	%100
48	M48	Z	.414	.414	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,%]
49	M49	X	.163	.163	0	%100
50	M49	Z	.094	.094	0	%100
51	M64	X	.163	.163	0	%100
52	M64	Z	.094	.094	0	%100
53	M72	X	.163	.163	0	%100
54	M72	Z	.094	.094	0	%100
55	M58	X	.163	.163	0	%100
56	M58	Z	.094	.094	0	%100
57	M65	X	.163	.163	0	%100
58	M65	Z	.094	.094	0	%100
59	M66	X	.163	.163	0	%100
60	M66	Z	.094	.094	0	%100
61	M67	X	.652	.652	0	%100
62	M67	Z	.376	.376	0	%100
63	M74	X	.652	.652	0	%100
64	M74	Z	.376	.376	0	%100
65	M75	X	.652	.652	0	%100
66	M75	Z	.376	.376	0	%100
67	M76	X	.207	.207	0	%100
68	M76	Z	.12	.12	0	%100
69	M77	X	.829	.829	0	%100
70	M77	Z	.478	.478	0	%100
71	M78	X	.207	.207	0	%100
72	M78	Z	.12	.12	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	.416	.416	0	%100
76	M80	Z	.24	.24	0	%100
77	M81	X	.416	.416	0	%100
78	M81	Z	.24	.24	0	%100
79	OVP	X	.539	.539	0	%100
80	OVP	Z	.311	.311	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	.101	.101	0	%100
2	M1	Z	.175	.175	0	%100
3	M2	X	.491	.491	0	%100
4	M2	Z	.85	.85	0	%100
5	M3	X	.491	.491	0	%100
6	M3	Z	.85	.85	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	.491	.491	0	%100
10	M9	Z	.85	.85	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	.491	.491	0	%100
14	FACE	Z	.85	.85	0	%100
15	M10	X	.138	.138	0	%100
16	M10	Z	.239	.239	0	%100
17	M11	X	.101	.101	0	%100
18	M11	Z	.175	.175	0	%100
19	M14	X	.404	.404	0	%100
20	M14	Z	.7	.7	0	%100
21	MP1A	X	.311	.311	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,%]
22	MP1A	Z	.539	.539	0	%100
23	MP2A	X	.311	.311	0	%100
24	MP2A	Z	.539	.539	0	%100
25	MP3A	X	.311	.311	0	%100
26	MP3A	Z	.539	.539	0	%100
27	MP4A	X	.311	.311	0	%100
28	MP4A	Z	.539	.539	0	%100
29	MP1C	X	.311	.311	0	%100
30	MP1C	Z	.539	.539	0	%100
31	MP2C	X	.311	.311	0	%100
32	MP2C	Z	.539	.539	0	%100
33	MP3C	X	.311	.311	0	%100
34	MP3C	Z	.539	.539	0	%100
35	MP4C	X	.311	.311	0	%100
36	MP4C	Z	.539	.539	0	%100
37	MP1B	X	.311	.311	0	%100
38	MP1B	Z	.539	.539	0	%100
39	MP2B	X	.311	.311	0	%100
40	MP2B	Z	.539	.539	0	%100
41	MP3B	X	.311	.311	0	%100
42	MP3B	Z	.539	.539	0	%100
43	MP4B	X	.311	.311	0	%100
44	MP4B	Z	.539	.539	0	%100
45	M47	X	.138	.138	0	%100
46	M47	Z	.239	.239	0	%100
47	M48	X	.552	.552	0	%100
48	M48	Z	.956	.956	0	%100
49	M49	X	.282	.282	0	%100
50	M49	Z	.489	.489	0	%100
51	M64	X	.282	.282	0	%100
52	M64	Z	.489	.489	0	%100
53	M72	X	.282	.282	0	%100
54	M72	Z	.489	.489	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	.282	.282	0	%100
62	M67	Z	.489	.489	0	%100
63	M74	X	.282	.282	0	%100
64	M74	Z	.489	.489	0	%100
65	M75	X	.282	.282	0	%100
66	M75	Z	.489	.489	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	.359	.359	0	%100
70	M77	Z	.621	.621	0	%100
71	M78	X	.359	.359	0	%100
72	M78	Z	.621	.621	0	%100
73	M79	X	.08	.08	0	%100
74	M79	Z	.139	.139	0	%100
75	M80	X	.08	.08	0	%100
76	M80	Z	.139	.139	0	%100
77	M81	X	.321	.321	0	%100
78	M81	Z	.555	.555	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,%]
79	OVP	X	.311	.311	0	%100
80	OVP	Z	.539	.539	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	.606	.606	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.327	.327	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.327	.327	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	.327	.327	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	1.309	1.309	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	.327	.327	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	1.309	1.309	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	.828	.828	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	.606	.606	0	%100
21	MP1A	X	0	0	0	%100
22	MP1A	Z	.622	.622	0	%100
23	MP2A	X	0	0	0	%100
24	MP2A	Z	.622	.622	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	.622	.622	0	%100
27	MP4A	X	0	0	0	%100
28	MP4A	Z	.622	.622	0	%100
29	MP1C	X	0	0	0	%100
30	MP1C	Z	.622	.622	0	%100
31	MP2C	X	0	0	0	%100
32	MP2C	Z	.622	.622	0	%100
33	MP3C	X	0	0	0	%100
34	MP3C	Z	.622	.622	0	%100
35	MP4C	X	0	0	0	%100
36	MP4C	Z	.622	.622	0	%100
37	MP1B	X	0	0	0	%100
38	MP1B	Z	.622	.622	0	%100
39	MP2B	X	0	0	0	%100
40	MP2B	Z	.622	.622	0	%100
41	MP3B	X	0	0	0	%100
42	MP3B	Z	.622	.622	0	%100
43	MP4B	X	0	0	0	%100
44	MP4B	Z	.622	.622	0	%100
45	M47	X	0	0	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	.828	.828	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.753	.753	0	%100
51	M64	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,%]
52	M64	Z	.753	.753	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	.753	.753	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	.188	.188	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	.188	.188	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	.188	.188	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	.188	.188	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	.188	.188	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	.188	.188	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	.239	.239	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	.239	.239	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	.957	.957	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	.481	.481	0	%100
75	M80	X	0	0	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	.481	.481	0	%100
79	OVP	X	0	0	0	%100
80	OVP	Z	.622	.622	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	-.404	-.404	0	%100
2	M1	Z	.7	.7	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	-.491	-.491	0	%100
8	M7	Z	.85	.85	0	%100
9	M9	X	-.491	-.491	0	%100
10	M9	Z	.85	.85	0	%100
11	M13	X	-.491	-.491	0	%100
12	M13	Z	.85	.85	0	%100
13	FACE	X	-.491	-.491	0	%100
14	FACE	Z	.85	.85	0	%100
15	M10	X	-.552	-.552	0	%100
16	M10	Z	.956	.956	0	%100
17	M11	X	-.101	-.101	0	%100
18	M11	Z	.175	.175	0	%100
19	M14	X	-.101	-.101	0	%100
20	M14	Z	.175	.175	0	%100
21	MP1A	X	-.311	-.311	0	%100
22	MP1A	Z	.539	.539	0	%100
23	MP2A	X	-.311	-.311	0	%100
24	MP2A	Z	.539	.539	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,%]
25	MP3A	X	-.311	-.311	0	%100
26	MP3A	Z	.539	.539	0	%100
27	MP4A	X	-.311	-.311	0	%100
28	MP4A	Z	.539	.539	0	%100
29	MP1C	X	-.311	-.311	0	%100
30	MP1C	Z	.539	.539	0	%100
31	MP2C	X	-.311	-.311	0	%100
32	MP2C	Z	.539	.539	0	%100
33	MP3C	X	-.311	-.311	0	%100
34	MP3C	Z	.539	.539	0	%100
35	MP4C	X	-.311	-.311	0	%100
36	MP4C	Z	.539	.539	0	%100
37	MP1B	X	-.311	-.311	0	%100
38	MP1B	Z	.539	.539	0	%100
39	MP2B	X	-.311	-.311	0	%100
40	MP2B	Z	.539	.539	0	%100
41	MP3B	X	-.311	-.311	0	%100
42	MP3B	Z	.539	.539	0	%100
43	MP4B	X	-.311	-.311	0	%100
44	MP4B	Z	.539	.539	0	%100
45	M47	X	-.138	-.138	0	%100
46	M47	Z	.239	.239	0	%100
47	M48	X	-.138	-.138	0	%100
48	M48	Z	.239	.239	0	%100
49	M49	X	-.282	-.282	0	%100
50	M49	Z	.489	.489	0	%100
51	M64	X	-.282	-.282	0	%100
52	M64	Z	.489	.489	0	%100
53	M72	X	-.282	-.282	0	%100
54	M72	Z	.489	.489	0	%100
55	M58	X	-.282	-.282	0	%100
56	M58	Z	.489	.489	0	%100
57	M65	X	-.282	-.282	0	%100
58	M65	Z	.489	.489	0	%100
59	M66	X	-.282	-.282	0	%100
60	M66	Z	.489	.489	0	%100
61	M67	X	0	0	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	0	0	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	0	0	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	-.359	-.359	0	%100
68	M76	Z	.621	.621	0	%100
69	M77	X	0	0	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	-.359	-.359	0	%100
72	M78	Z	.621	.621	0	%100
73	M79	X	-.321	-.321	0	%100
74	M79	Z	.555	.555	0	%100
75	M80	X	-.08	-.08	0	%100
76	M80	Z	.139	.139	0	%100
77	M81	X	-.08	-.08	0	%100
78	M81	Z	.139	.139	0	%100
79	OVP	X	-.311	-.311	0	%100
80	OVP	Z	.539	.539	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	-.525	-.525	0	%100
2	M1	Z	.303	.303	0	%100
3	M2	X	-.283	-.283	0	%100
4	M2	Z	.164	.164	0	%100
5	M3	X	-.283	-.283	0	%100
6	M3	Z	.164	.164	0	%100
7	M7	X	-1.134	-1.134	0	%100
8	M7	Z	.655	.655	0	%100
9	M9	X	-.283	-.283	0	%100
10	M9	Z	.164	.164	0	%100
11	M13	X	-1.134	-1.134	0	%100
12	M13	Z	.655	.655	0	%100
13	FACE	X	-.283	-.283	0	%100
14	FACE	Z	.164	.164	0	%100
15	M10	X	-.717	-.717	0	%100
16	M10	Z	.414	.414	0	%100
17	M11	X	-.525	-.525	0	%100
18	M11	Z	.303	.303	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	-.539	-.539	0	%100
22	MP1A	Z	.311	.311	0	%100
23	MP2A	X	-.539	-.539	0	%100
24	MP2A	Z	.311	.311	0	%100
25	MP3A	X	-.539	-.539	0	%100
26	MP3A	Z	.311	.311	0	%100
27	MP4A	X	-.539	-.539	0	%100
28	MP4A	Z	.311	.311	0	%100
29	MP1C	X	-.539	-.539	0	%100
30	MP1C	Z	.311	.311	0	%100
31	MP2C	X	-.539	-.539	0	%100
32	MP2C	Z	.311	.311	0	%100
33	MP3C	X	-.539	-.539	0	%100
34	MP3C	Z	.311	.311	0	%100
35	MP4C	X	-.539	-.539	0	%100
36	MP4C	Z	.311	.311	0	%100
37	MP1B	X	-.539	-.539	0	%100
38	MP1B	Z	.311	.311	0	%100
39	MP2B	X	-.539	-.539	0	%100
40	MP2B	Z	.311	.311	0	%100
41	MP3B	X	-.539	-.539	0	%100
42	MP3B	Z	.311	.311	0	%100
43	MP4B	X	-.539	-.539	0	%100
44	MP4B	Z	.311	.311	0	%100
45	M47	X	-.717	-.717	0	%100
46	M47	Z	.414	.414	0	%100
47	M48	X	0	0	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	-.163	-.163	0	%100
50	M49	Z	.094	.094	0	%100
51	M64	X	-.163	-.163	0	%100
52	M64	Z	.094	.094	0	%100
53	M72	X	-.163	-.163	0	%100
54	M72	Z	.094	.094	0	%100
55	M58	X	-.652	-.652	0	%100
56	M58	Z	.376	.376	0	%100
57	M65	X	-.652	-.652	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M65	Z	.376	.376	0	%100
59	M66	X	-.652	-.652	0	%100
60	M66	Z	.376	.376	0	%100
61	M67	X	-.163	-.163	0	%100
62	M67	Z	.094	.094	0	%100
63	M74	X	-.163	-.163	0	%100
64	M74	Z	.094	.094	0	%100
65	M75	X	-.163	-.163	0	%100
66	M75	Z	.094	.094	0	%100
67	M76	X	-.829	-.829	0	%100
68	M76	Z	.478	.478	0	%100
69	M77	X	-.207	-.207	0	%100
70	M77	Z	.12	.12	0	%100
71	M78	X	-.207	-.207	0	%100
72	M78	Z	.12	.12	0	%100
73	M79	X	-.416	-.416	0	%100
74	M79	Z	.24	.24	0	%100
75	M80	X	-.416	-.416	0	%100
76	M80	Z	.24	.24	0	%100
77	M81	X	0	0	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	-.539	-.539	0	%100
80	OVP	Z	.311	.311	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	-.202	-.202	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.982	-.982	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.982	-.982	0	%100
6	M3	Z	0	0	0	%100
7	M7	X	-.982	-.982	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M13	X	-.982	-.982	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	0	0	0	%100
14	FACE	Z	0	0	0	%100
15	M10	X	-.276	-.276	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-.808	-.808	0	%100
18	M11	Z	0	0	0	%100
19	M14	X	-.202	-.202	0	%100
20	M14	Z	0	0	0	%100
21	MP1A	X	-.622	-.622	0	%100
22	MP1A	Z	0	0	0	%100
23	MP2A	X	-.622	-.622	0	%100
24	MP2A	Z	0	0	0	%100
25	MP3A	X	-.622	-.622	0	%100
26	MP3A	Z	0	0	0	%100
27	MP4A	X	-.622	-.622	0	%100
28	MP4A	Z	0	0	0	%100
29	MP1C	X	-.622	-.622	0	%100
30	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	MP2C	X	-.622	-.622	0	%100
32	MP2C	Z	0	0	0	%100
33	MP3C	X	-.622	-.622	0	%100
34	MP3C	Z	0	0	0	%100
35	MP4C	X	-.622	-.622	0	%100
36	MP4C	Z	0	0	0	%100
37	MP1B	X	-.622	-.622	0	%100
38	MP1B	Z	0	0	0	%100
39	MP2B	X	-.622	-.622	0	%100
40	MP2B	Z	0	0	0	%100
41	MP3B	X	-.622	-.622	0	%100
42	MP3B	Z	0	0	0	%100
43	MP4B	X	-.622	-.622	0	%100
44	MP4B	Z	0	0	0	%100
45	M47	X	-1.104	-1.104	0	%100
46	M47	Z	0	0	0	%100
47	M48	X	-.276	-.276	0	%100
48	M48	Z	0	0	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M64	X	0	0	0	%100
52	M64	Z	0	0	0	%100
53	M72	X	0	0	0	%100
54	M72	Z	0	0	0	%100
55	M58	X	-.565	-.565	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	-.565	-.565	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	-.565	-.565	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	-.565	-.565	0	%100
62	M67	Z	0	0	0	%100
63	M74	X	-.565	-.565	0	%100
64	M74	Z	0	0	0	%100
65	M75	X	-.565	-.565	0	%100
66	M75	Z	0	0	0	%100
67	M76	X	-.718	-.718	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	-.718	-.718	0	%100
70	M77	Z	0	0	0	%100
71	M78	X	0	0	0	%100
72	M78	Z	0	0	0	%100
73	M79	X	-.16	-.16	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	-.641	-.641	0	%100
76	M80	Z	0	0	0	%100
77	M81	X	-.16	-.16	0	%100
78	M81	Z	0	0	0	%100
79	OVP	X	-.622	-.622	0	%100
80	OVP	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.134	-1.134	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,%]
4	M2	Z	-.655	-.655	0	%100
5	M3	X	-1.134	-1.134	0	%100
6	M3	Z	-.655	-.655	0	%100
7	M7	X	-.283	-.283	0	%100
8	M7	Z	-.164	-.164	0	%100
9	M9	X	-.283	-.283	0	%100
10	M9	Z	-.164	-.164	0	%100
11	M13	X	-.283	-.283	0	%100
12	M13	Z	-.164	-.164	0	%100
13	FACE	X	-.283	-.283	0	%100
14	FACE	Z	-.164	-.164	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-.525	-.525	0	%100
18	M11	Z	-.303	-.303	0	%100
19	M14	X	-.525	-.525	0	%100
20	M14	Z	-.303	-.303	0	%100
21	MP1A	X	-.539	-.539	0	%100
22	MP1A	Z	-.311	-.311	0	%100
23	MP2A	X	-.539	-.539	0	%100
24	MP2A	Z	-.311	-.311	0	%100
25	MP3A	X	-.539	-.539	0	%100
26	MP3A	Z	-.311	-.311	0	%100
27	MP4A	X	-.539	-.539	0	%100
28	MP4A	Z	-.311	-.311	0	%100
29	MP1C	X	-.539	-.539	0	%100
30	MP1C	Z	-.311	-.311	0	%100
31	MP2C	X	-.539	-.539	0	%100
32	MP2C	Z	-.311	-.311	0	%100
33	MP3C	X	-.539	-.539	0	%100
34	MP3C	Z	-.311	-.311	0	%100
35	MP4C	X	-.539	-.539	0	%100
36	MP4C	Z	-.311	-.311	0	%100
37	MP1B	X	-.539	-.539	0	%100
38	MP1B	Z	-.311	-.311	0	%100
39	MP2B	X	-.539	-.539	0	%100
40	MP2B	Z	-.311	-.311	0	%100
41	MP3B	X	-.539	-.539	0	%100
42	MP3B	Z	-.311	-.311	0	%100
43	MP4B	X	-.539	-.539	0	%100
44	MP4B	Z	-.311	-.311	0	%100
45	M47	X	-.717	-.717	0	%100
46	M47	Z	-.414	-.414	0	%100
47	M48	X	-.717	-.717	0	%100
48	M48	Z	-.414	-.414	0	%100
49	M49	X	-.163	-.163	0	%100
50	M49	Z	-.094	-.094	0	%100
51	M64	X	-.163	-.163	0	%100
52	M64	Z	-.094	-.094	0	%100
53	M72	X	-.163	-.163	0	%100
54	M72	Z	-.094	-.094	0	%100
55	M58	X	-.163	-.163	0	%100
56	M58	Z	-.094	-.094	0	%100
57	M65	X	-.163	-.163	0	%100
58	M65	Z	-.094	-.094	0	%100
59	M66	X	-.163	-.163	0	%100
60	M66	Z	-.094	-.094	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,%]
61	M67	X	-.652	-.652	0	%100
62	M67	Z	-.376	-.376	0	%100
63	M74	X	-.652	-.652	0	%100
64	M74	Z	-.376	-.376	0	%100
65	M75	X	-.652	-.652	0	%100
66	M75	Z	-.376	-.376	0	%100
67	M76	X	-.207	-.207	0	%100
68	M76	Z	-.12	-.12	0	%100
69	M77	X	-.829	-.829	0	%100
70	M77	Z	-.478	-.478	0	%100
71	M78	X	-.207	-.207	0	%100
72	M78	Z	-.12	-.12	0	%100
73	M79	X	0	0	0	%100
74	M79	Z	0	0	0	%100
75	M80	X	-.416	-.416	0	%100
76	M80	Z	-.24	-.24	0	%100
77	M81	X	-.416	-.416	0	%100
78	M81	Z	-.24	-.24	0	%100
79	OVP	X	-.539	-.539	0	%100
80	OVP	Z	-.311	-.311	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	-.101	-.101	0	%100
2	M1	Z	-.175	-.175	0	%100
3	M2	X	-.491	-.491	0	%100
4	M2	Z	-.85	-.85	0	%100
5	M3	X	-.491	-.491	0	%100
6	M3	Z	-.85	-.85	0	%100
7	M7	X	0	0	0	%100
8	M7	Z	0	0	0	%100
9	M9	X	-.491	-.491	0	%100
10	M9	Z	-.85	-.85	0	%100
11	M13	X	0	0	0	%100
12	M13	Z	0	0	0	%100
13	FACE	X	-.491	-.491	0	%100
14	FACE	Z	-.85	-.85	0	%100
15	M10	X	-.138	-.138	0	%100
16	M10	Z	-.239	-.239	0	%100
17	M11	X	-.101	-.101	0	%100
18	M11	Z	-.175	-.175	0	%100
19	M14	X	-.404	-.404	0	%100
20	M14	Z	-.7	-.7	0	%100
21	MP1A	X	-.311	-.311	0	%100
22	MP1A	Z	-.539	-.539	0	%100
23	MP2A	X	-.311	-.311	0	%100
24	MP2A	Z	-.539	-.539	0	%100
25	MP3A	X	-.311	-.311	0	%100
26	MP3A	Z	-.539	-.539	0	%100
27	MP4A	X	-.311	-.311	0	%100
28	MP4A	Z	-.539	-.539	0	%100
29	MP1C	X	-.311	-.311	0	%100
30	MP1C	Z	-.539	-.539	0	%100
31	MP2C	X	-.311	-.311	0	%100
32	MP2C	Z	-.539	-.539	0	%100
33	MP3C	X	-.311	-.311	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,%]
34	MP3C	Z	-.539	-.539	0	%100
35	MP4C	X	-.311	-.311	0	%100
36	MP4C	Z	-.539	-.539	0	%100
37	MP1B	X	-.311	-.311	0	%100
38	MP1B	Z	-.539	-.539	0	%100
39	MP2B	X	-.311	-.311	0	%100
40	MP2B	Z	-.539	-.539	0	%100
41	MP3B	X	-.311	-.311	0	%100
42	MP3B	Z	-.539	-.539	0	%100
43	MP4B	X	-.311	-.311	0	%100
44	MP4B	Z	-.539	-.539	0	%100
45	M47	X	-.138	-.138	0	%100
46	M47	Z	-.239	-.239	0	%100
47	M48	X	-.552	-.552	0	%100
48	M48	Z	-.956	-.956	0	%100
49	M49	X	-.282	-.282	0	%100
50	M49	Z	-.489	-.489	0	%100
51	M64	X	-.282	-.282	0	%100
52	M64	Z	-.489	-.489	0	%100
53	M72	X	-.282	-.282	0	%100
54	M72	Z	-.489	-.489	0	%100
55	M58	X	0	0	0	%100
56	M58	Z	0	0	0	%100
57	M65	X	0	0	0	%100
58	M65	Z	0	0	0	%100
59	M66	X	0	0	0	%100
60	M66	Z	0	0	0	%100
61	M67	X	-.282	-.282	0	%100
62	M67	Z	-.489	-.489	0	%100
63	M74	X	-.282	-.282	0	%100
64	M74	Z	-.489	-.489	0	%100
65	M75	X	-.282	-.282	0	%100
66	M75	Z	-.489	-.489	0	%100
67	M76	X	0	0	0	%100
68	M76	Z	0	0	0	%100
69	M77	X	-.359	-.359	0	%100
70	M77	Z	-.621	-.621	0	%100
71	M78	X	-.359	-.359	0	%100
72	M78	Z	-.621	-.621	0	%100
73	M79	X	-.08	-.08	0	%100
74	M79	Z	-.139	-.139	0	%100
75	M80	X	-.08	-.08	0	%100
76	M80	Z	-.139	-.139	0	%100
77	M81	X	-.321	-.321	0	%100
78	M81	Z	-.555	-.555	0	%100
79	OVP	X	-.311	-.311	0	%100
80	OVP	Z	-.539	-.539	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	M9	Y	-5.141	-5.141	.01	7.24
2	FACE	Y	-.105	-3.081	0	2
3	FACE	Y	-3.081	-5	2	4
4	FACE	Y	-5	-4.686	4	6
5	FACE	Y	-4.686	-4.686	6	8
6	FACE	Y	-4.686	-5	8	10

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	FACE	Y	-5	-3.081	10	12
8	FACE	Y	-3.081	-.105	12	14
9	M10	Y	-8.833	-4.93	0	1.949
10	M10	Y	-4.93	-1.027	1.949	3.897
11	M48	Y	-8.833	-4.93	0	1.949
12	M48	Y	-4.93	-1.027	1.949	3.897
13	M7	Y	-5.141	-5.141	.01	7.24
14	M13	Y	-.105	-3.081	0	2
15	M13	Y	-3.081	-5	2	4
16	M13	Y	-5	-4.686	4	6
17	M13	Y	-4.686	-4.686	6	8
18	M13	Y	-4.686	-5	8	10
19	M13	Y	-5	-3.081	10	12
20	M13	Y	-3.081	-.105	12	14
21	M47	Y	-8.833	-4.93	0	1.949
22	M47	Y	-4.93	-1.027	1.949	3.897
23	M2	Y	-5.141	-5.141	.01	7.24
24	M3	Y	-1.076	-2.685	0	2.333
25	M3	Y	-2.685	-4.754	2.333	4.667
26	M3	Y	-4.754	-6.02	4.667	7
27	M3	Y	-6.02	-4.754	7	9.333
28	M3	Y	-4.754	-2.685	9.333	11.667
29	M3	Y	-2.685	-1.076	11.667	14

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	M9	Y	-9.927	-9.927	.01	7.24
2	FACE	Y	-.202	-5.949	0	2
3	FACE	Y	-5.949	-9.654	2	4
4	FACE	Y	-9.654	-9.048	4	6
5	FACE	Y	-9.048	-9.048	6	8
6	FACE	Y	-9.048	-9.654	8	10
7	FACE	Y	-9.654	-5.949	10	12
8	FACE	Y	-5.949	-.202	12	14
9	M10	Y	-17.057	-9.52	0	1.949
10	M10	Y	-9.52	-1.984	1.949	3.897
11	M48	Y	-17.057	-9.52	0	1.949
12	M48	Y	-9.52	-1.984	1.949	3.897
13	M7	Y	-9.927	-9.927	.01	7.24
14	M13	Y	-.202	-5.949	0	2
15	M13	Y	-5.949	-9.654	2	4
16	M13	Y	-9.654	-9.048	4	6
17	M13	Y	-9.048	-9.048	6	8
18	M13	Y	-9.048	-9.654	8	10
19	M13	Y	-9.654	-5.949	10	12
20	M13	Y	-5.949	-.202	12	14
21	M47	Y	-17.057	-9.52	0	1.949
22	M47	Y	-9.52	-1.984	1.949	3.897
23	M2	Y	-9.927	-9.927	.01	7.24
24	M3	Y	-2.078	-5.185	0	2.333
25	M3	Y	-5.185	-9.181	2.333	4.667
26	M3	Y	-9.181	-11.624	4.667	7
27	M3	Y	-11.624	-9.181	7	9.333
28	M3	Y	-9.181	-5.185	9.333	11.667
29	M3	Y	-5.185	-2.078	11.667	14

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	M9	Y	-.248	-.248	.01	7.24
2	FACE	Y	-.005	-.149	0	2
3	FACE	Y	-.149	-.241	2	4
4	FACE	Y	-.241	-.226	4	6
5	FACE	Y	-.226	-.226	6	8
6	FACE	Y	-.226	-.241	8	10
7	FACE	Y	-.241	-.149	10	12
8	FACE	Y	-.149	-.005	12	14
9	M10	Y	-.426	-.238	0	1.949
10	M10	Y	-.238	-.05	1.949	3.897
11	M48	Y	-.426	-.238	0	1.949
12	M48	Y	-.238	-.05	1.949	3.897
13	M7	Y	-.248	-.248	.01	7.24
14	M13	Y	-.005	-.149	0	2
15	M13	Y	-.149	-.241	2	4
16	M13	Y	-.241	-.226	4	6
17	M13	Y	-.226	-.226	6	8
18	M13	Y	-.226	-.241	8	10
19	M13	Y	-.241	-.149	10	12
20	M13	Y	-.149	-.005	12	14
21	M47	Y	-.426	-.238	0	1.949
22	M47	Y	-.238	-.05	1.949	3.897
23	M2	Y	-.248	-.248	.01	7.24
24	M3	Y	-.052	-.13	0	2.333
25	M3	Y	-.13	-.229	2.333	4.667
26	M3	Y	-.229	-.291	4.667	7
27	M3	Y	-.291	-.229	7	9.333
28	M3	Y	-.229	-.13	9.333	11.667
29	M3	Y	-.13	-.052	11.667	14

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	M9	Z	-.62	-.62	.01	7.24
2	FACE	Z	-.013	-.371	0	2
3	FACE	Z	-.371	-.603	2	4
4	FACE	Z	-.603	-.565	4	6
5	FACE	Z	-.565	-.565	6	8
6	FACE	Z	-.565	-.603	8	10
7	FACE	Z	-.603	-.371	10	12
8	FACE	Z	-.371	-.013	12	14
9	M10	Z	-1.065	-.594	0	1.949
10	M10	Z	-.594	-.124	1.949	3.897
11	M48	Z	-1.065	-.594	0	1.949
12	M48	Z	-.594	-.124	1.949	3.897
13	M7	Z	-.62	-.62	.01	7.24
14	M13	Z	-.013	-.371	0	2
15	M13	Z	-.371	-.603	2	4
16	M13	Z	-.603	-.565	4	6
17	M13	Z	-.565	-.565	6	8
18	M13	Z	-.565	-.603	8	10
19	M13	Z	-.603	-.371	10	12
20	M13	Z	-.371	-.013	12	14
21	M47	Z	-1.065	-.594	0	1.949
22	M47	Z	-.594	-.124	1.949	3.897
23	M2	Z	-.62	-.62	.01	7.24
24	M3	Z	-.13	-.324	0	2.333

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
25	M3	Z	-.324	-.573	2.333	4.667
26	M3	Z	-.573	-.726	4.667	7
27	M3	Z	-.726	-.573	7	9.333
28	M3	Z	-.573	-.324	9.333	11.667
29	M3	Z	-.324	-.13	11.667	14

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	M9	X	.62	.62	.01	7.24
2	FACE	X	.013	.371	0	2
3	FACE	X	.371	.603	2	4
4	FACE	X	.603	.565	4	6
5	FACE	X	.565	.565	6	8
6	FACE	X	.565	.603	8	10
7	FACE	X	.603	.371	10	12
8	FACE	X	.371	.013	12	14
9	M10	X	1.065	.594	0	1.949
10	M10	X	.594	.124	1.949	3.897
11	M48	X	1.065	.594	0	1.949
12	M48	X	.594	.124	1.949	3.897
13	M7	X	.62	.62	.01	7.24
14	M13	X	.013	.371	0	2
15	M13	X	.371	.603	2	4
16	M13	X	.603	.565	4	6
17	M13	X	.565	.565	6	8
18	M13	X	.565	.603	8	10
19	M13	X	.603	.371	10	12
20	M13	X	.371	.013	12	14
21	M47	X	1.065	.594	0	1.949
22	M47	X	.594	.124	1.949	3.897
23	M2	X	.62	.62	.01	7.24
24	M3	X	.13	.324	0	2.333
25	M3	X	.324	.573	2.333	4.667
26	M3	X	.573	.726	4.667	7
27	M3	X	.726	.573	7	9.333
28	M3	X	.573	.324	9.333	11.667
29	M3	X	.324	.13	11.667	14

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N14	N5	N7	N19A	Y	Two Way	-.005
2	N19A	N14	N6	N8	Y	Two Way	-.005
3	N8	N6	N5	N7	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N7	N5	N14	N19A	Y	Two Way	-.01
2	N19A	N14	N6	N8	Y	Two Way	-.01
3	N8	N6	N5	N7	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N14	N5	N7	N19A	Y	Two Way	-.000251
2	N19A	N14	N6	N8	Y	Two Way	-.000251

Member Area Loads (BLC 84 : Structure Ev) (Continued)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
3	N8	N6	N5	N7	Y	Two Way	-.000251

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N14	N5	N7	N19A	Z	Two Way	-.000627
2	N19A	N14	N6	N8	Z	Two Way	-.000627
3	N8	N6	N5	N7	Z	Two Way	-.000627

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N14	N5	N7	N19A	X	Two Way	.000627
2	N19A	N14	N6	N8	X	Two Way	.000627
3	N8	N6	N5	N7	X	Two Way	.000627

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	720.909	9	1690.55	22	1544.929	1	1.877	13	1.235	1	-1.019	67
2		min	-1185.595	3	520.632	68	-1621.99	7	.273	7	-1.134	7	-3.449	21
3	N15	max	1891.404	10	1896.762	18	799.207	1	-.769	1	1.245	9	1.054	4
4		min	-1930.95	4	558.909	64	-393.062	7	-4.136	19	-1.268	3	-.863	10
5	N21	max	1102.367	11	1671.11	14	1293.026	1	2.07	13	1.102	7	3.157	16
6		min	-568.314	5	521.887	72	-1705.403	7	.367	7	-1.027	1	.961	73
7	N126A	max	883.326	10	1091.326	14	766.189	1	1.104	24	.919	2	-.578	68
8		min	-556.009	4	350.034	70	-608.73	7	.338	69	-.95	8	-1.875	23
9	N128	max	541.494	11	1169.562	20	739.125	1	-.683	64	.861	11	.218	39
10		min	-606.384	5	368.749	66	-1060.785	7	-2.299	19	-.953	5	-.119	50
11	N130	max	557.209	10	1066.342	16	796.052	1	1.037	14	.816	7	1.851	16
12		min	-849.248	4	342.382	74	-548.56	7	.325	71	-.913	1	.567	73
13	Totals:	max	5467.418	10	8464.513	14	5938.529	1						
14		min	-5467.418	4	2704.638	70	-5938.529	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	HSS4X4X5	.222	0	24	.075	0	z	8	164170.8...	169740	19.285	19.285	1...	H1-1b
2	M2	L3X3X4	.283	3.625	13	.013	3.625	z	24	14708.743	46656	1.688	3.198	1...	H2-1
3	M3	L3X3X4	.847	7	23	.080	7	y	23	3944.532	46656	1.688	2.866	1...	H2-1
4	M7	L3X3X4	.288	3.625	18	.013	3.625	z	13	14708.743	46656	1.688	3.204	1...	H2-1
5	M9	L3X3X4	.282	3.625	16	.014	3.625	z	17	14708.743	46656	1.688	3.188	1...	H2-1
6	M13	L3X3X4	.830	7	15	.077	7	z	15	3944.532	46656	1.688	2.859	1...	H2-1
7	FACE	L3X3X4	.882	7	19	.081	7	y	19	3944.532	46656	1.688	2.86	1...	H2-1
8	M10	LL3x3x4x0	.093	3.897	44	.017	0	y	39	76393.472	93312	6.48	4.362	2...	H1-1b
9	M11	HSS4X4X5	.232	0	18	.106	0	z	4	164170.8...	169740	19.285	19.285	1...	H1-1b
10	M14	HSS4X4X5	.207	0	16	.068	0	z	12	164170.8...	169740	19.285	19.285	1...	H1-1b
11	MP1A	PIPE_2.0	.317	1.458	20	.090	1.458		7	17855.085	32130	1.872	1.872	2...	H1-1b
12	MP2A	PIPE_2.0	.416	1.557	20	.096	3.453		13	19360.206	32130	1.872	1.872	1...	H1-1b
13	MP3A	PIPE_2.0	.360	1.458	19	.085	3.427		18	17855.085	32130	1.872	1.872	2...	H1-1b
14	MP4A	PIPE_2.0	.267	1.458	18	.082	1.458		4	17855.085	32130	1.872	1.872	2...	H1-1b
15	MP1C	PIPE_2.0	.307	1.458	16	.070	1.458		3	17855.085	32130	1.872	1.872	4...	H1-1b
16	MP2C	PIPE_2.0	.391	1.557	16	.090	3.453		22	19360.206	32130	1.872	1.872	1...	H1-1b
17	MP3C	PIPE_2.0	.340	1.458	14	.081	3.427		14	17855.085	32130	1.872	1.872	2...	H1-1b
18	MP4C	PIPE_2.0	.274	3.427	37	.065	3.427		3	17855.085	32130	1.872	1.872	2...	H1-1b
19	MP1B	PIPE_2.0	.308	1.458	24	.089	1.458		3	17855.085	32130	1.872	1.872	2...	H1-1b
20	MP2B	PIPE_2.0	.399	1.557	24	.092	3.453		17	19360.206	32130	1.872	1.872	1...	H1-1b

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

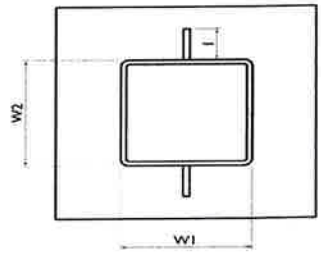
	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
21	MP3B	PIPE_2.0	.338	1.458	22	.079	3.427		22	17855.085	32130	1.872	1.872	3...	H1-1b
22	MP4B	PIPE_2.0	.250	1.458	21	.083	1.458		9	17855.085	32130	1.872	1.872	3...	H1-1b
23	M47	LL3x3x4x0	.080	3.897	4	.008	0	z	10	76393.472	93312	6.48	4.362	1...	H1-1b
24	M48	LL3x3x4x0	.089	3.897	12	.011	0	z	6	76393.472	93312	6.48	4.362	1...	H1-1b
25	M49	PIPE_2.5	.129	6	18	.076	6		13	15797.3	50715	3.596	3.596	1...	H1-1b
26	M64	PIPE_2.5	.129	6	18	.076	6		13	15797.3	50715	3.596	3.596	1...	H1-1b
27	M72	PIPE_2.5	.129	6	18	.076	6		13	15797.3	50715	3.596	3.596	1...	H1-1b
28	M58	PIPE_2.5	.118	6	14	.062	6		20	15797.3	50715	3.596	3.596	1...	H1-1b
29	M65	PIPE_2.5	.118	6	14	.062	6		20	15797.3	50715	3.596	3.596	1...	H1-1b
30	M66	PIPE_2.5	.118	6	14	.062	6		20	15797.3	50715	3.596	3.596	1...	H1-1b
31	M67	PIPE_2.5	.118	6	22	.064	6		18	15797.3	50715	3.596	3.596	1...	H1-1b
32	M74	PIPE_2.5	.118	6	22	.064	6		18	15797.3	50715	3.596	3.596	1...	H1-1b
33	M75	PIPE_2.5	.118	6	22	.064	6		18	15797.3	50715	3.596	3.596	1...	H1-1b
34	M76	L3X3X4	.195	2.211	1	.021	0	z	6	41866.554	46656	1.688	3.756	2...	H2-1
35	M77	L3X3X4	.182	0	1	.024	2.211	z	43	41866.554	46656	1.688	3.756	2...	H2-1
36	M78	L3X3X4	.152	2.211	5	.017	.253	z	10	41866.554	46656	1.688	3.756	2...	H2-1
37	M79	HSS3X3X4	.289	0	21	.045	0	y	14	95125.096	101016	8.556	8.556	2...	H1-1b
38	M80	HSS3X3X4	.302	0	17	.058	0	y	39	95125.096	101016	8.556	8.556	2...	H1-1b
39	M81	HSS3X3X4	.276	0	13	.046	0	y	18	95125.096	101016	8.556	8.556	2...	H1-1b
40	OVP	PIPE_2.0	.317	5	7	.019	5		7	20866.733	32130	1.872	1.872	1	H1-1b

VzW SMART Tool© Vendor

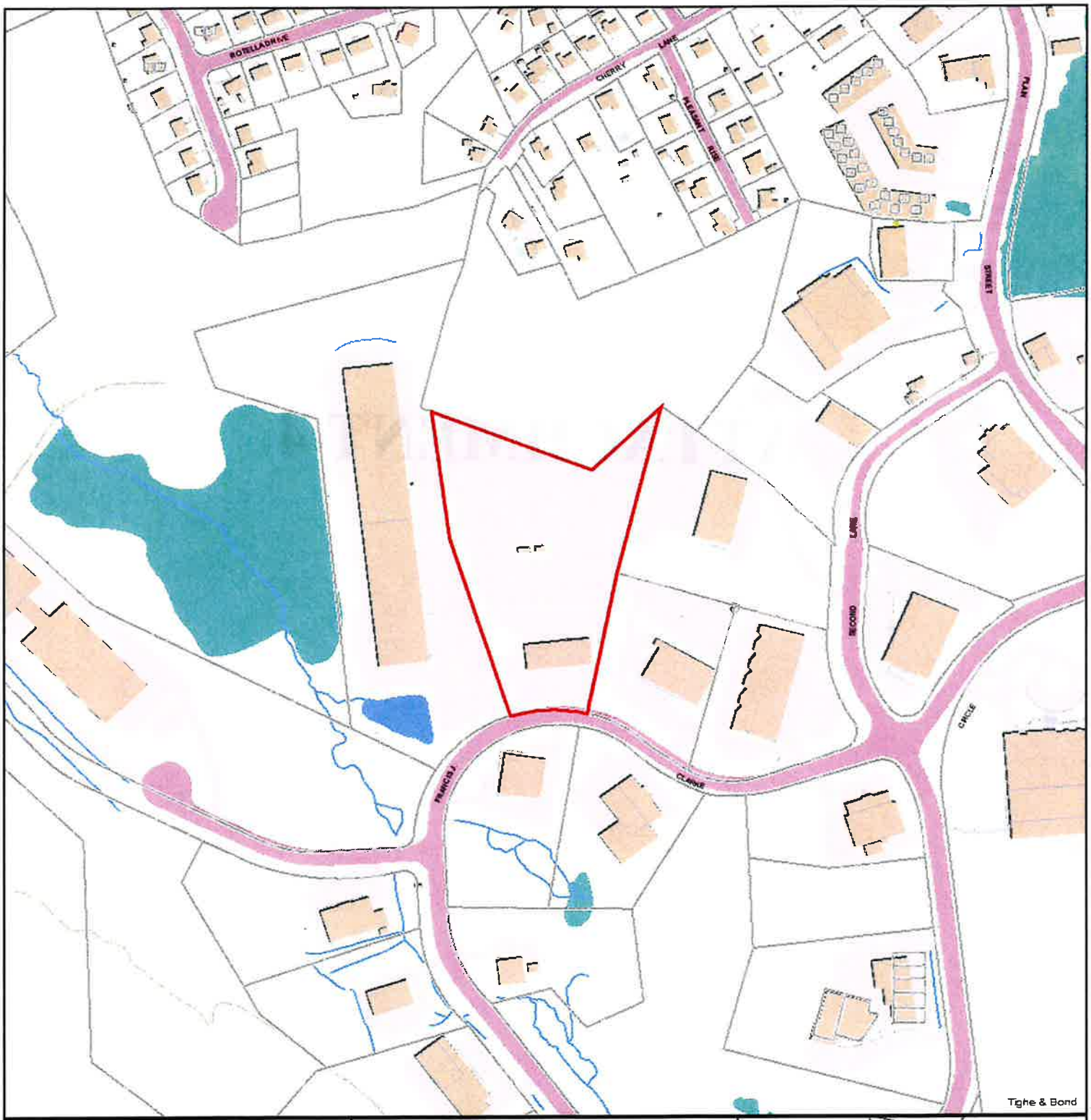
Client:	Verizon Wireless	Date:	7/6/2023
Site Name:	BETHEL WEST CT		
MDG #:	5000382994		
Fuze ID #:	17123918	Page:	2
			Version 1.01

Tower Connection Weld Checks

	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Stiffener Notch Present?	No
Stiffener Length, l (in):	4
Stiffener Spacing/Width, s (in):	
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	32.00
Z_x (in^3/in):	67.56
Z_y (in^3/in):	21.33
J_p (in^4/in):	362.67
c_x (in)	6
c_y (in)	6
Required combined strength (kip/in):	0.86
Weld Capacity (kip/in):	5.57
Weld Utilization:	**15.5%**



ATTACHMENT 4



11 FRANCIS J CLARKE

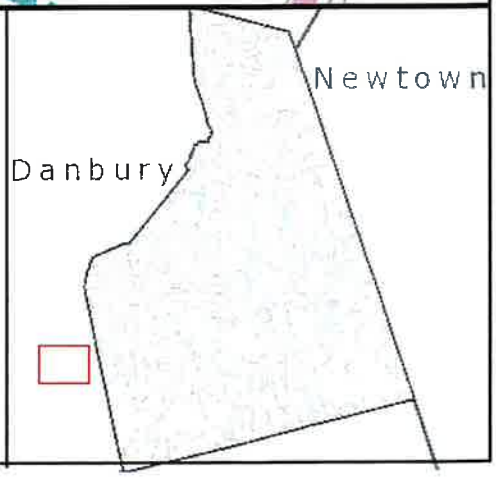
8/7/2023 7:28:57

1"=333'

Property Information

Parcel ID	undefined
Address	11 FRANCIS J CLARKE
Total Value	undefined

TOWN of BETHEL CONNECTICUT



The information depicted on this map is for planning purposes only. It is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analyses.

Bethel, CT : Assessor Database

Property Search:

Parcel ID:	Alternate ID:	Owner 1 Name:	Street Number:	Street Name:
			11	FRANCIS J CLARKE CIRCLE

Search Reset

Property Detail:

Parcel ID:	Alternate ID/Map Block Lot:	Card:	Card:	Street Name:	Street Number:	Zoning:	LUC:	Acres:
09 23 150-05	R05677	1	1	FRANCIS J CLARKE CIRCLE	11	IP	WAREHOUSES	5.80

Owner Information:

Owner 1 Name:	STERGUE COSTA ESTATE OF
Owner 2 Name:	
Street 1:	PO BOX 76
Street 2:	
City:	REDDING
State:	CT
Zip:	06896
Volume:	1143
Page:	630
Deed Date:	0000-00-00

Building Information:

Building Number:	1
Units:	7
Structure Type:	MFG/PROCESSING
Grade:	C
Identical Units:	1
Year Built:	1992

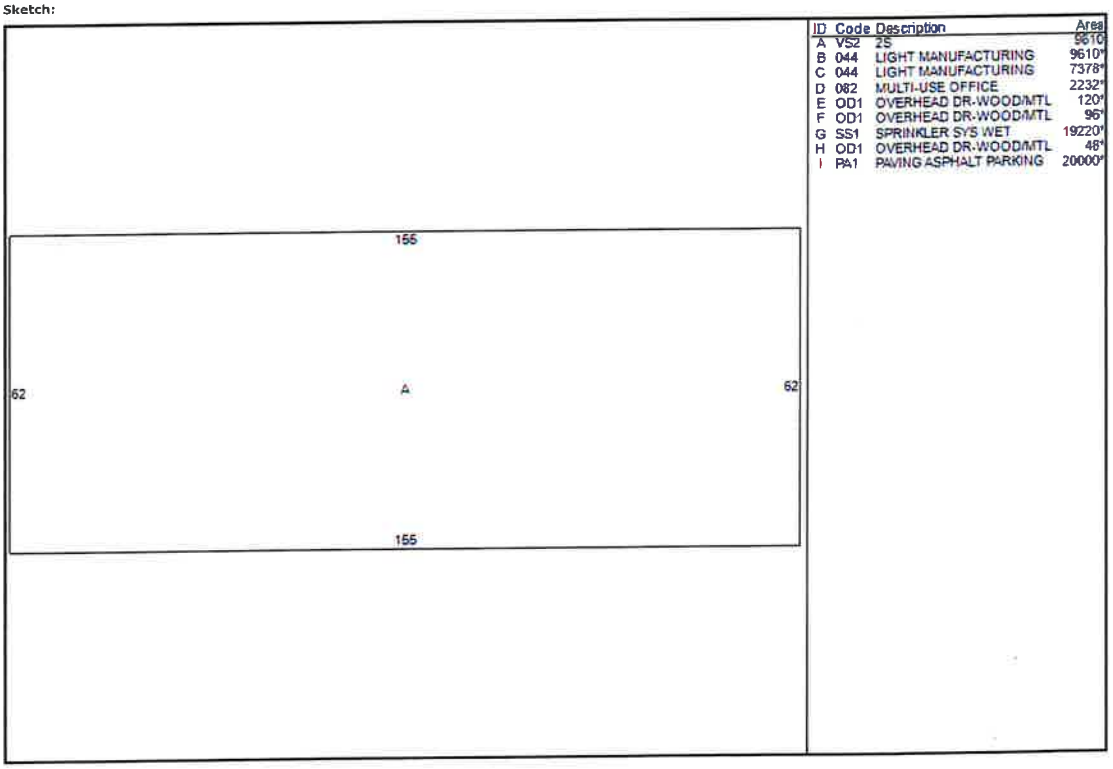
Valuation:

Appraised Land:	$739,300.00
Appraised Land PA490:	$0.00
Appraised Bldg:	$846,700.00
Appraised Total:	$1,586,000.00
Total Assessment:	$1,110,200.00

Property Images:

Picture:

Sketch:



Out-Buildings:

Code:	Description:	Units:	Year Built:	Size1:	Size2:	Area:	Grade:	Condition:
PA1	PAVING ASPHALT PARKING	1	1992	0	0	20000	C	NORMAL (Comm)

Building Interior/Exterior Information:

Floor From:	Floor To:	Area:	Use Type:	Exterior Walls:	Contruction Type:	Heating:	A/C:	Plumbing:	Functional Utility:
01	01	9610	LIGHT MANUFACTURING	FRAME	WOOD FRAME/JOIST/BEAM	UNIT HEATERS	NONE	BELOW NORMAL	3
02	02	7378	LIGHT MANUFACTURING	FRAME	WOOD FRAME/JOIST/BEAM	UNIT HEATERS	NONE	BELOW NORMAL	3
02	02	2232	MULTI-USE OFFICE	FRAME	WOOD FRAME/JOIST/BEAM	HOT AIR	CENTRAL	NORMAL	3

ATTACHMENT 5

Verizon/Bethel West

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 08/09/2023 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.	Daniel Carter, First Selectman Town of Bethel - Clifford J. Hurgin - Municipal Center 1 School Street Bethel, CT 06801				
2.	Beth Cavagna, Director/Town Planner Town of Bethel - Clifford J. Hurgin - Municipal Center 1 School Street Bethel, CT 06801				
3.	Estate of Costa Stergue PO Box 76 Redding, CT 06896				
4.					
5.					
6.					

OLD STATE HOUSE POST OFFICE AUG 09 2023 HARTFORD, CT 06103