Robinson+Cole

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April 17, 2024

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**
144 Old Boston Post Road, Danbury, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and associated equipment on the ground near the base of the tower. The tower is owned by New Cingular Wireless PCS LLC ("AT&T") and was originally approved by the City of Danbury ("Danbury" or "City") prior to 1991. Cellco's representatives reached out to Jennifer Emminger Danbury's Deputy Planning Director in an effort to obtain a copy of any City's original tower approval. Ms. Emminger could not locate any local permits or approvals for the tower in any of the City's current or archived records. AT&T received a similar response from City officials, that was referenced in its July 20, 2022 exempt modification filing (EM-CING-034-220725). According to the Council's Telecommunications Database, Cellco's shared use of the AT&T tower was approved on June 7, 2000. Cellco and the Council were unable to locate a copy of the Council's June 7, 2000 approval. The Council has approved several Cellco exempt modification filings since June of 2000.

Cellco's proposed modification now involve the installation of two (2) interference mitigation filters ("Filters") on its existing antenna mounting assembly. The specification sheet for the new Filters is included in Attachment 1.

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 Danbury's Chief Elected Official and Land Use Officer and the owner of the Property.

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

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

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, and antenna mounting structure can support Cellco's proposed modifications. A copy of the SA and MA are included in Attachment 2.

A copy of the parcel map and Property owner information is included in Attachment 3. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 4.

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

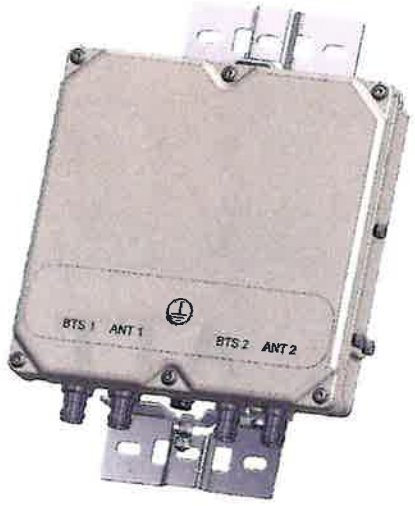
Enclosures
Copy to:
Roberto Alves, Mayor
Jennifer Emminger, Deputy Planning Director
State of Connecticut, Property Owner
Aleksey Tyurin, Verizon Wireless

ATTACHMENT 1

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 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

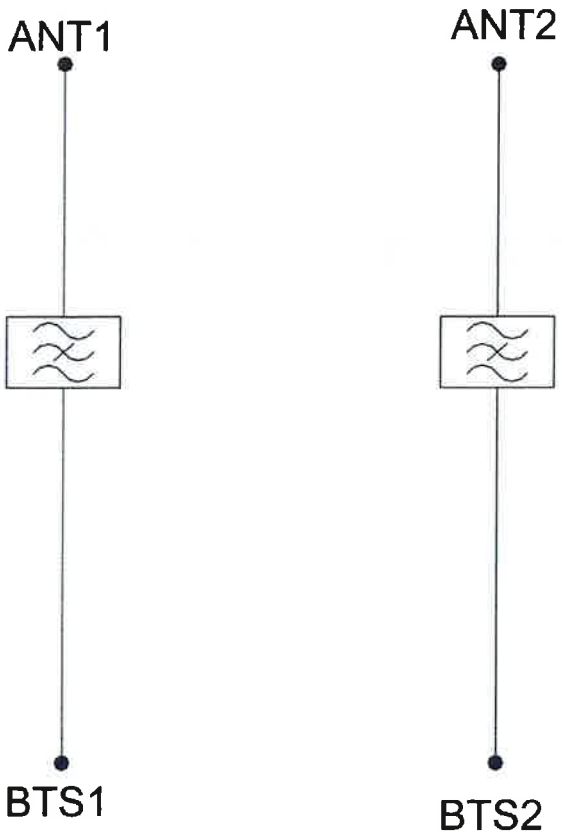
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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

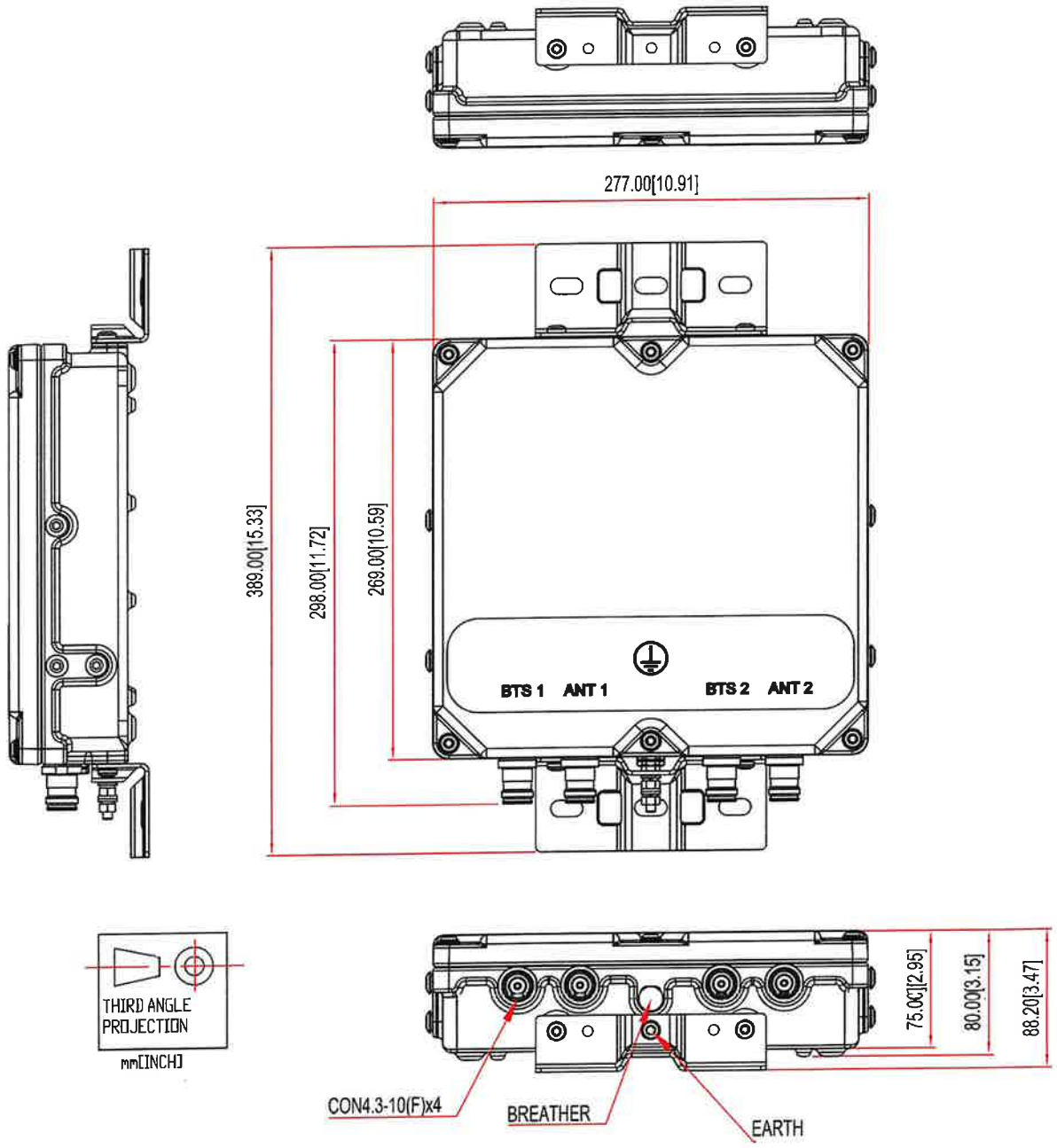
ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6030-2032	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



ATTACHMENT 2

CENTERLINE

Structural Analysis Report

Location Code: 467555
Site Name: DANBURY S CT
FUZE Project ID: 17123952
Project Name: RF Filter Add
Address: 144 Post Road
Danbury, CT 06810

Client:

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

Date: 10/25/2023

STATE OF CONNECTICUT
DEREK J. CREASER
LICENSED
PROFESSIONAL ENGINEER

Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725

CENTERLINE

Scope of Work:

Centerline Communications was authorized by Verizon Wireless to perform an analysis of the existing 64 ft. self support tower to determine its capacity to support the existing and proposed equipment listed in this report.

Existing & Proposed Equipment:

Carrier	Mounting Level (ft)	Center Line Elevation (ft)	Number of Appurtenances	Antenna Manufacturer	Appurtenance Model	Feed Lines (in)
-	64.0	70.0	1	-	2' Yagi Antenna	(1) 3/8
Verizon Wireless		73.7	1	-	GPS	(1) 1/2 (4) 1-5/8 (1) 2" HCS
		69.0	4	Decibel	DB846F65ZAXY	
		69.0	4	JMA	MX06FRO660-03	
		69.0	2	Samsung	MT6407-77A	
		69.0	2	Samsung	RF4439d-25A	
		69.0	2	Samsung	RF4440d-13A	
		69.0	1	Raycap	RVZDC-6627-PF-48	
		69.0	**2**	**Kaelus**	**KA-6030**	
		69.0	**1**	**Site Pro 1**	**RRUDSM**	
		64.0	2	-	I-Beam Mount	
Town of Ridgefield	63.0	63.0	1	RFS	VHLP3-11W-6GR	(1) EW90
		63.0	1	-	Pipe Mount	
AT&T	60.0	60.0	3	CCI	OPA65R-BU6DA	(12) 1-5/8 (6) 3/4" DC (3) 3/8" Fiber
		60.0	3	KMW	EPBQ-654L8H6-L2	
		60.0	3	Ericsson	4449 B5/B12	
		60.0	3	Ericsson	4478 B14	
		60.0	3	Ericsson	RRUS 32 B2	
		60.0	3	Ericsson	4426 B66	
		60.0	3	Ericsson	RRUS 32 B30	
		60.0	3	Raycap	DC6-48-60-18-8F	
		60.0	3	-	10' T-Boom Mount	
		55.0	1	Radiowaves	SPD2-5.8NS	
		52.0	3	Ericsson	AIR6449 B77D	
		52.0	3	Ericsson	AIR6419 B77G	

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Dept. of Emergency Services & Public Prot.	60.0	60.0	1	RFS	PA6-65	(1) WEP65
		60.0	1	-	Pipe Mount	
Town of Ridgefield	60.0	60.0	1	Commscope	VHLP3-11W-6GR	(1) EW90
		60.0	1	-	Pipe Mount	
-	58.0	58.0	1	Radiowaves	SPD2-5.8NS	(1) 1/2
		58.0	1	-	12"x10"x4" ODU	
-	57.0	63.0	1	-	12' Omni	(1) 1-1/4
		57.0	1	-	Collar Mount	
Dept. of Emergency Services & Public Prot.	55.0	55.0	1	RFS	PA6-65	(1) WEP65
		55.0	1	-	Pipe Mount	
-	53.0	57.0	1	-	8' Dipole	(1) 1/2
		53.0	1	-	Pipe Mount	
Dept. of Emergency Services & Public Prot.	50.0	60.0	1	RFI Wireless	BA80-41-DIN	(5) 1-5/8 (3) 7/8 (1) 1/2
		59.0	1	Telewave	VHF150	
		57.0	1	Decibel	DB807	
		54.0	1	Telewave	UHF450	
		50.0	1	TX RX System	432E-83I-01T	
		50.0	1	Amphenol	WPA-700120-4CF-EDIN-0	
		50.0	1	-	Pipe Mount	
		50.0	2	-	I-Beam Side Arm	
		45.0	2	Sinclair	SC479-HF1LDF	
		44.0	1	Decibel	DB264-A	
-	50.0	57.0	1	-	6' Omni	(2) 1-1/4 (2) 1/2
		55.0	1	-	10' Omni	
		54.0	1	-	8' Dipole	
		52.0	1	-	20"x8"x6" TMA	
		50.0	2	-	6' Standoff	
		50.0	3	-	Pipe Mount	
		50.0	1	-	Standoff	
		45.0	1	-	10' Omni	
		44.0	1	-	12' Omni	
-	46.0	46.0	1	-	PRFTV 48/75	(1) 1/2
		46.0	1	-	4' Standoff	

*Note: Proposed equipment shown in **bold**.*

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Design Criteria:

Design Codes:
2022 Connecticut State Building Code
2021 International Building Code
ASCE 7-16
TIA-222-H Standards

Basic Design Wind Speed (V)	120 mph
Wind Speed with Ice	50 mph
Ice Thickness	1.00 in.
Exposure Category	B
Topographic Category	5
Risk Category	II
Site Soil Class (Assumed)	D – Stiff Soil
Seismic Design Category	B
Spectral Response Acceleration Parameter at a Short Periods, S_S	0.225 g
Spectral Response Acceleration Parameter at a Period of 1 Second, S_1	0.056 g
Short Period Site Coefficient, F_a	1.60
Long Period Site Coefficient, F_v	2.40

***Refer to calculations for additional design criteria.**

Conclusion:

Tower Section Capacity (Summary)

Section No.	*Elevation ft*	*Component Type*	*Size*	*Mu (k-ft)*	*øMn (k-ft)*	*% Capacity*	*Pass Fail*
T1	50 - 64.25	Leg	POLY 15.68"x0.25"	69.06	242.31	28.5%	Pass
T1	50 - 64.25	Top Girt	POLY 12.07"x0.25"	53.05	141.54	37.5%	Pass
T2	41 - 50	Leg	POLY 15.68"x0.25"	76.00	242.31	31.4%	Pass
T2	41 - 50	Top Girt	W10x33	30.84	37.80	81.6%	Pass
T3	25 - 41	Leg	POLY 15.68"x0.25"	105.66	242.31	43.6%	Pass
T3	25 - 41	Top Girt	POLY 12.07"x0.25"	119.87	141.54	84.7%	Pass
T4	0 - 25	Leg	POLY 15.68"x0.25"	91.62	242.31	37.8%	Pass
T4	0 - 25	Diagonal	W6x25	10.10	23.11	43.7%	Pass
T4	0 - 25	Top Girt	POLY 12.07"x0.25"	1.37	141.54	1.0%	Pass
						Summary	
					Leg (T3)	43.6	Pass
					Diagonal (T4)	43.7	Pass
					Top Girt (T3)	84.7	Pass
					Top Girt Plate and Bolts	98.2	Pass
					RATING =	**98.2**	**Pass**

Structure Rating (Max From All Components) =	**98.2%**

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Foundation Capacity (Summary)

Component	% Capacity	Pass / Fail
Anchor Rods	55.9	Pass
Foundation Rating	48.7	Pass

Foundation Rating (Max From All Components) =	**55.9%**

Recommendations:

The existing tower and its foundation have sufficient capacity to support the existing and proposed loading for the final loading configuration.

Reference Documents:

- Structural Analysis Report by GPD Group, dated September 27, 2022
- Antenna Mount Analysis Report by Colliers Engineering & Design Ct. P.C., dated July 17, 2023
- Lease Exhibit by Centerline, dated October 5, 2023

Assumptions and Limitations:

- The tower and structures were built and maintained with the manufacturer's specifications.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in this report and the referenced drawings.
- Existing appurtenance information obtained from the Structural Analysis Report by GPD Group, dated September 27, 2022 and the Lease Exhibit by Centerline, dated October 5, 2023.

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Design Calculations

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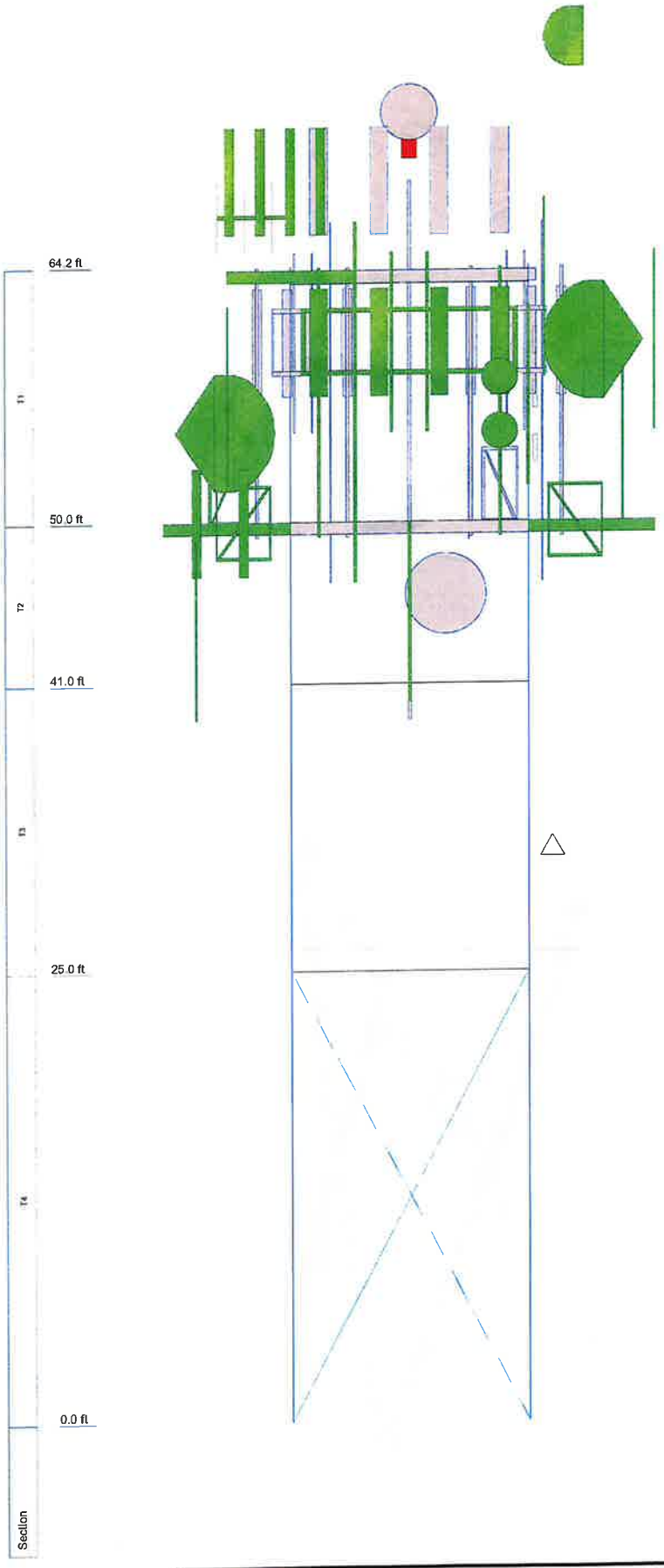
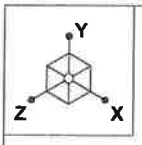
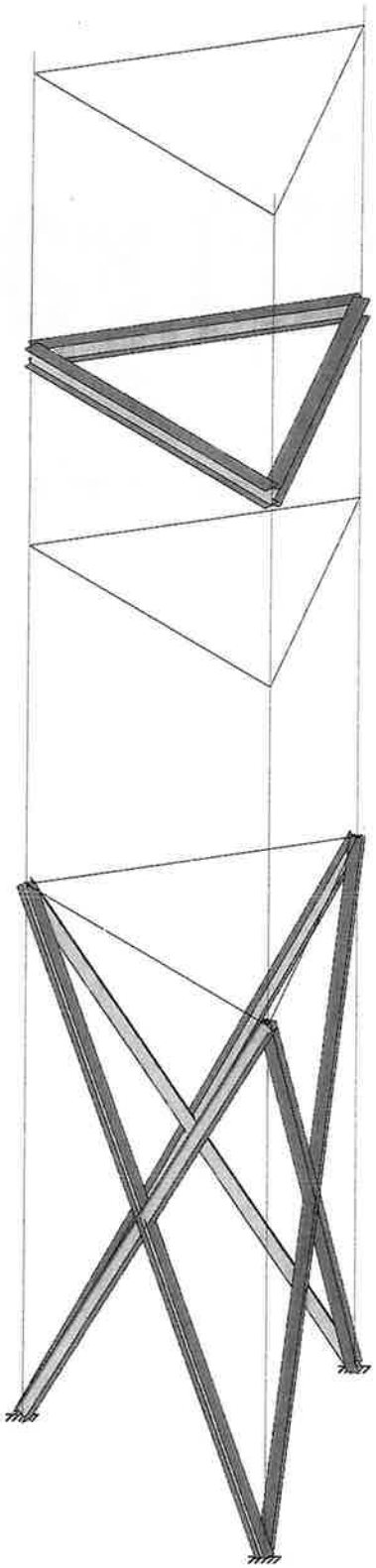


Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
Phone: (781) 713-4725
FAX:

Job: **Danbury S CT**			
Project: **23CLVZ-0017**			
Client: Verizon Wireless	Drawn by: jll	App'd:	
Code: TIA-222-H	Date: 10/24/23	Scale: NTS	
Path:		Dwg No. E-1	





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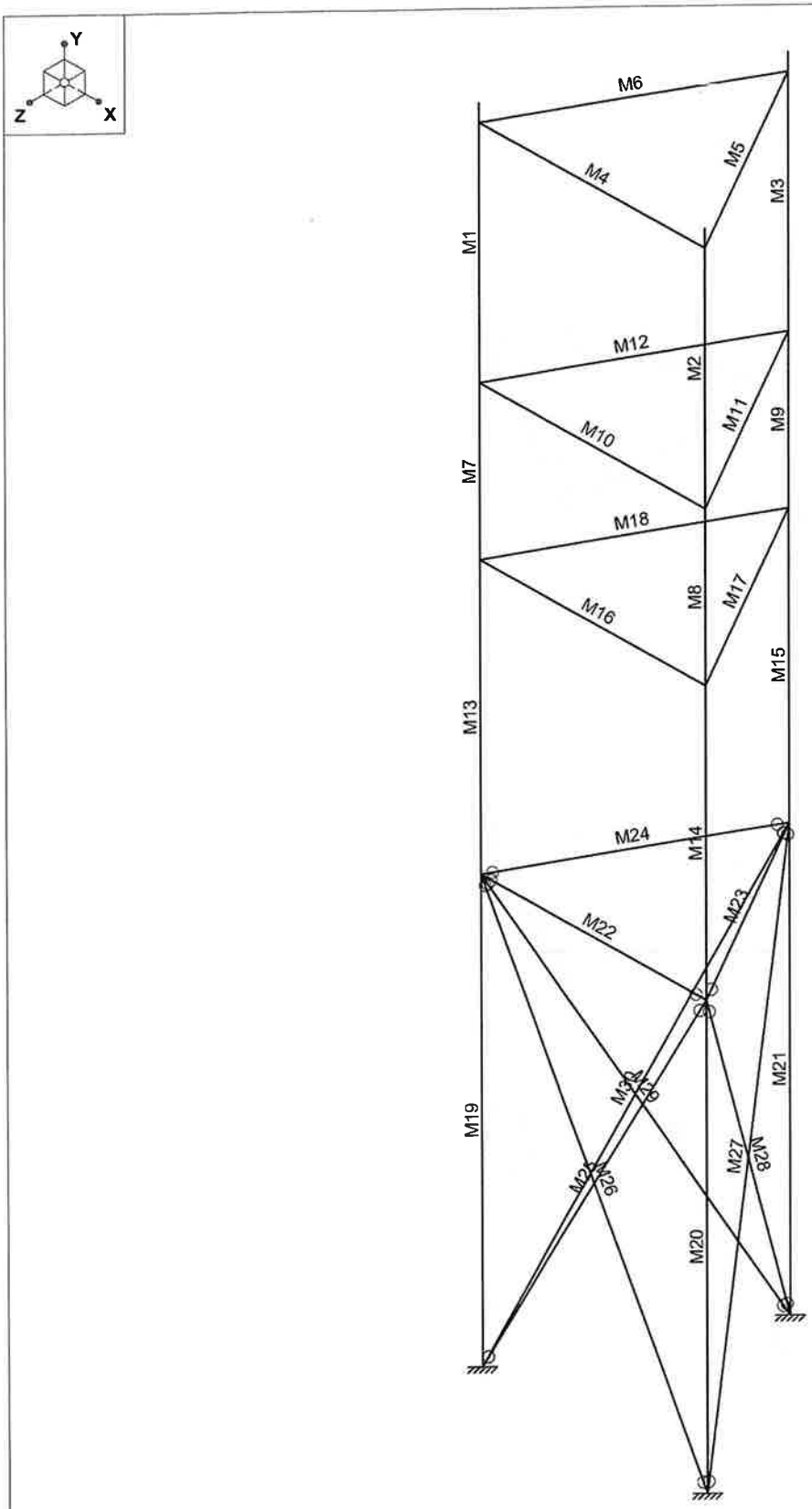
23CLVZ-0017		23CLVZ-0017 Dansbury S CT.rt3



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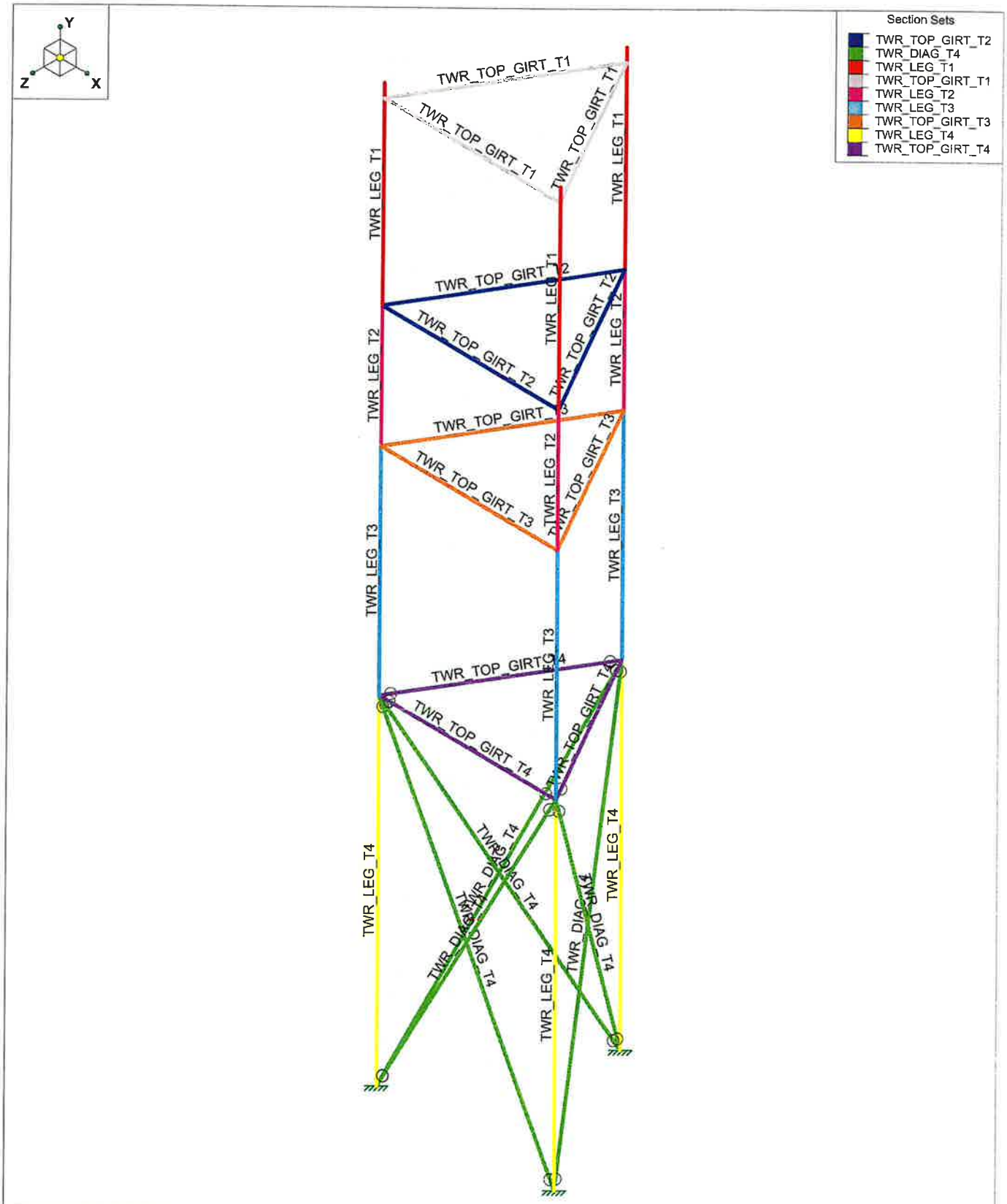

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Centerline Engineering Se...	Danbury S CT	SK - 3
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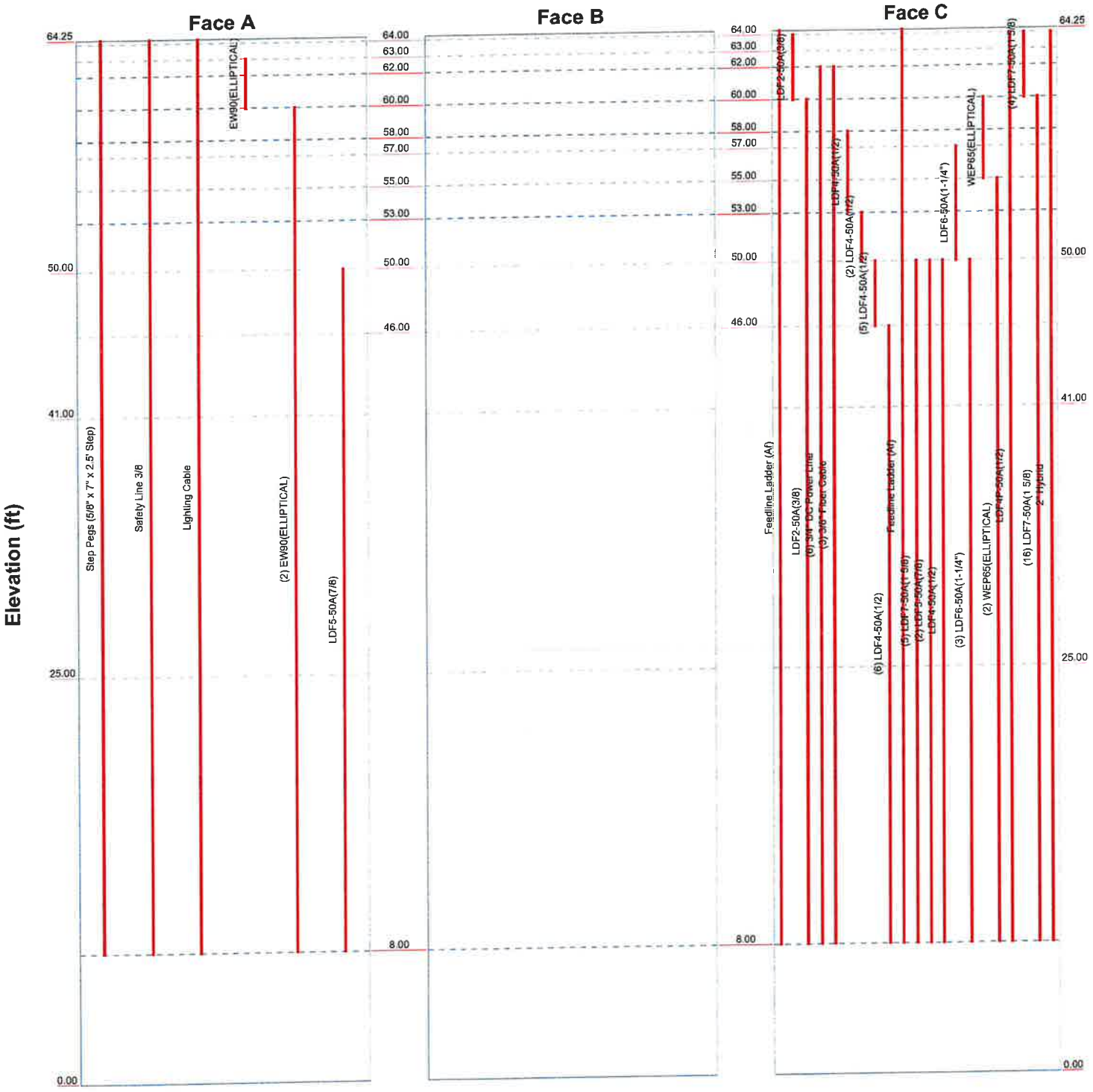
23CLVZ-0017		23CLVZ-0017 Dansbury S CT.rt3

Feed Line Distribution Chart
0' - 64'3"

Round | Flat | App In Face | App Out Face | Truss Leg



Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
Phone: (781) 713-4725
FAX:

Job: Danbury S CT			
Project: 23CLVZ-0017			
Client: Verizon Wireless	Drawn by: jll		App'd:
Code: TIA-222-H	Date: 10/24/23		Scale: NTS
Path:			Dwg No. E-7

Tower Input Data

The main tower is a 3x free standing tower with an overall height of 64.25 ft above the ground line.
The base of the tower is set at an elevation of 0.00 ft above the ground line.
The face width of the tower is 13.17 ft at the top and 13.17 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

- Tower is located in Fairfield County, Connecticut.
- Tower base elevation above sea level: 980.58 ft.
- Basic wind speed of 120 mph.
- Risk Category II.
- Exposure Category B.
- Crest Height: 517.00 ft.
- Rigorous Topographic Factor Procedure for wind speed-up calculations is used.
  - Topographic Feature: Hill.
  - Slope Distance L: 1790.00 ft.
  - Distance from Crest x: 14.00 ft.
  - Horizontal Distance Downwind: No.
- Nominal ice thickness of 0.7500 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- Pressures are calculated at each section.
- Stress ratio used in tower member design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

tnxTower	Job: Danbury S CT	Page: 2 of 10
Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Project: 23CLVZ-0017	Date: 13:40:41 10/25/23
	Client: Verizon Wireless	Designed by: jll

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
Step Pegs (5/8" x 7" x 2.5' Step)	A	No	No	Ar (CaAa)	64.25 - 8.00	0.0000	0.5	1	1	0.6250	0.6250		0.47
Safety Line 3/8	A	No	No	Ar (CaAa)	64.25 - 8.00	0.0000	0.5	1	1	0.3750	0.3750		0.22
*****													
Lighting Cable	A	No	No	Ar (CaAa)	64.25 - 8.00	0.0000	-0.5	1	1	0.6250	0.6250		0.15
*****													
EW90(ELLIPTICAL)	A	No	No	Ar (CaAa)	63.00 - 60.00	0.0000	0.4	1	1	1.2800	1.2800		0.32
EW90(ELLIPTICAL)	A	No	No	Ar (CaAa)	60.00 - 8.00	0.0000	0.4	2	2	1.2800	1.2800		0.32
LDF5-50A(7/8)	A	No	No	Ar (CaAa)	50.00 - 8.00	0.0000	0.415	1	1	1.0900	1.0900		0.33
*****													
Feedline Ladder (Af)	C	No	No	Af (CaAa)	64.25 - 8.00	-2.0000	0.3	1	1	3.0000	3.0000		8.40
LDF2-50A(3/8)	C	No	No	Ar (CaAa)	64.00 - 60.00	-2.0000	0.39	1	1	0.4400	0.4400		0.08
LDF2-50A(3/8)	C	No	No	Ar (CaAa)	60.00 - 8.00	-2.0000	0.39	1	1	0.4400	0.4400		0.08
3/4" DC Power LIne	C	No	No	Ar (CaAa)	62.00 - 8.00	-7.0000	0.26	6	6	0.5000	0.7500		0.33
3/8" Fiber Cable	C	No	No	Ar (CaAa)	62.00 - 8.00	-7.0000	0.29	3	3	0.5000	0.3750		0.10
LDF4-50A(1/2)	C	No	No	Ar (CaAa)	58.00 - 53.00	-5.0000	0.206	1	1	0.5000	0.6300		0.15
LDF4-50A(1/2)	C	No	No	Ar (CaAa)	53.00 - 50.00	-5.0000	0.206	2	2	0.5000	0.6300		0.15
LDF4-50A(1/2)	C	No	No	Ar (CaAa)	50.00 - 46.00	-5.0000	0.206	5	2	0.5000	0.6300		0.15
LDF4-50A(1/2)	C	No	No	Ar (CaAa)	46.00 - 8.00	-5.0000	0.206	6	2	0.5000	0.6300		0.15
*****													
Feedline Ladder (Af)	C	No	No	Af (CaAa)	64.25 - 8.00	-1.0000	-0.3	1	1	3.0000	3.0000		8.40
LDF7-50A(1 5/8)	C	No	No	Ar (CaAa)	50.00 - 8.00	-3.0000	-0.28	5	3	1.0000	1.9800		0.82
LDF5-50A(7/8)	C	No	No	Ar (CaAa)	50.00 - 8.00	-1.0000	-0.33	2	2	0.7500	1.0900		0.33
LDF4-50A(1/2)	C	No	No	Ar (CaAa)	50.00 - 8.00	-1.0000	-0.24	1	1	0.6300	0.6300		0.15
*****													
LDF6-50A(1-1/4")	C	No	No	Ar (CaAa)	57.00 - 50.00	0.0000	0.49	1	1	0.5000	1.5500		0.66
LDF6-50A(1-1/4")	C	No	No	Ar (CaAa)	50.00 - 8.00	0.0000	0.49	3	3	0.5000	1.5500		0.66
*****													
WEP65(ELLIPTICAL)	C	No	No	Ar (CaAa)	60.00 - 55.00	-2.0000	-0.46	1	1	0.5000	2.0300		0.53
WEP65(ELLIPTICAL)	C	No	No	Ar (CaAa)	55.00 - 8.00	-2.0000	-0.46	2	2	0.5000	2.0300		0.53
*****													
LDF4P-50A(1/2)	C	No	No	Ar (CaAa)	64.00 - 8.00	-2.0000	0.35	1	1	0.6300	0.6300		0.15
*****													
LDF7-50A(1	C	No	No	Ar (CaAa)	64.00 -	-2.0000	0.32	4	4	0.7500	1.9800		0.82

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
5/8)					60.00								
LDF7-50A(1 5/8) *****	C	No	No	Ar (CaAa)	60.00 - 8.00	-5.0000	0.31	16	10	0.7500	1.9800		0.82
2" Hybrid	C	No	No	Ar (CaAa)	64.00 - 8.00	-2.0000	0.32	1	1	2.0000	2.0000		0.82

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Pipe Mount 7'x4.5"	A	From Leg	0.00		0.00	0.0000	64.25	No Ice	2.11	2.11	0.08
			0.00		3.00			1/2" Ice	3.21	3.21	0.10
								1" Ice	4.31	4.31	0.13
(2) Flash Beacon Lighting	A	From Leg	0.00		0.00	0.0000	64.25	No Ice	2.70	2.70	0.05
			0.00		6.00			1/2" Ice	3.10	3.10	0.07
								1" Ice	3.50	3.50	0.09
14' I-Beam Mount	A	From Leg	0.00		0.00	0.0000	64.00	No Ice	7.44	1.54	0.57
			0.00		0.00			1/2" Ice	10.60	2.10	0.79
								1" Ice	13.76	2.66	1.00
14' I-Beam Mount	C	From Leg	0.00		0.00	0.0000	64.00	No Ice	7.44	1.54	0.57
			0.00		0.00			1/2" Ice	10.60	2.10	0.79
								1" Ice	13.76	2.66	1.00
Pipe Mount 6'x2.375"	C	From Leg	0.00		0.00	0.0000	64.00	No Ice	1.43	1.43	0.03
			0.00		3.00			1/2" Ice	1.92	1.92	0.04
								1" Ice	2.41	2.41	0.05
GPS	C	From Leg	0.00		0.00	0.0000	64.00	No Ice	0.11	0.11	0.00
			0.00		9.70			1/2" Ice	0.21	0.21	0.00
								1" Ice	0.31	0.31	0.01
2' Yagi	C	From Leg	0.00		0.00	0.0000	64.00	No Ice	0.30	0.30	0.01
			0.00		3.00			1/2" Ice	0.43	0.43	0.01
								1" Ice	0.56	0.56	0.01
(2) DB846F65ZAXY w/ Mount Pipe	A	From Leg	1.00		0.00	0.0000	64.00	No Ice	7.27	7.82	0.05
			0.00		5.00			1/2" Ice	7.83	9.01	0.11
								1" Ice	8.35	9.91	0.19
(2) DB846F65ZAXY w/ Mount Pipe	C	From Leg	1.00		0.00	0.0000	64.00	No Ice	7.27	7.82	0.05
			0.00		5.00			1/2" Ice	7.83	9.01	0.11
								1" Ice	8.35	9.91	0.19
(2) MX06FRO640-02 w/ Mount Pipe	A	From Leg	1.00		0.00	0.0000	64.00	No Ice	12.86	9.33	0.10
			0.00		5.00			1/2" Ice	13.56	10.60	0.20
								1" Ice	14.23	11.73	0.31
(2) MX06FRO640-02 w/ Mount Pipe	C	From Leg	1.00		0.00	0.0000	64.00	No Ice	12.86	9.33	0.10
			0.00		5.00			1/2" Ice	13.56	10.60	0.20
								1" Ice	14.23	11.73	0.31
MT6407-77A w/ Pipe Mount	A	From Leg	1.00		0.00	0.0000	64.00	No Ice	4.71	2.43	0.10
			0.00		5.00			1/2" Ice	5.01	2.84	0.14
								1" Ice	5.31	3.26	0.18
MT6407-77A w/ Pipe Mount	C	From Leg	1.00		0.00	0.0000	64.00	No Ice	4.71	2.43	0.10
			0.00		5.00			1/2" Ice	5.01	2.84	0.14
								1" Ice	5.31	3.26	0.18
B2/B66A RRH ORAN (RF4439D-25A)	A	From Leg	1.00		0.00	0.0000	64.00	No Ice	1.87	1.25	0.07
			0.00		5.00			1/2" Ice	2.03	1.39	0.09
								1" Ice	2.21	1.54	0.11

tnxTower	Job: Danbury S CT	Page: 4 of 10
Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Project: 23CLVZ-0017	Date: 13:40:41 10/25/23
	Client: Verizon Wireless	Designed by: jll

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
B2/B66A RRH ORAN (RF4439D-25A)	C	From Leg	1.00 0.00 5.00	0.0000	64.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.25 1.39 1.54	0.07 0.09 0.11
B5/B13 RRH ORAN (RF4440D-13A)	A	From Leg	1.00 0.00 5.00	0.0000	64.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.13 1.27 1.41	0.07 0.09 0.11
B5/B13 RRH ORAN (RF4440D-13A)	C	From Leg	1.00 0.00 5.00	0.0000	64.00	No Ice 1/2" Ice 1" Ice	1.87 2.03 2.21	1.13 1.27 1.41	0.07 0.09 0.11
RVZDC-6627-PF-48	A	From Leg	1.00 0.00 5.00	0.0000	64.00	No Ice 1/2" Ice 1" Ice	3.79 4.04 4.30	2.51 2.73 2.95	0.03 0.06 0.10
(2) KA-6030	C	From Leg	1.00 0.00 5.00	0.0000	64.00	No Ice 1/2" Ice 1" Ice	0.77 0.88 0.99	0.28 0.35 0.42	0.03 0.03 0.04
RRUDSM	C	From Leg	1.00 0.00 5.00	0.0000	64.00	No Ice 1/2" Ice 1" Ice	1.12 1.69 2.25	1.12 1.69 2.25	0.04 0.09 0.13
***** 10' T-Boom Mount	A	From Face	1.50 0.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	17.48 21.12 24.76	8.53 11.09 13.65	0.47 0.65 0.83
10' T-Boom Mount	B	From Face	1.50 0.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	17.48 21.12 24.76	8.53 11.09 13.65	0.47 0.65 0.83
10' T-Boom Mount	C	From Face	1.50 0.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	17.48 21.12 24.76	8.53 11.09 13.65	0.47 0.65 0.83
17' P4 STD	A	From Face	3.00 3.00 -3.38	0.0000	60.00	No Ice 1/2" Ice 1" Ice	5.52 9.40 11.16	5.52 9.40 13.28	0.18 0.24 0.29
17' P4 STD	B	From Face	3.00 3.00 -3.38	0.0000	60.00	No Ice 1/2" Ice 1" Ice	5.52 9.40 11.16	5.52 9.40 13.28	0.18 0.24 0.29
17' P4 STD	C	From Face	3.00 3.00 -3.38	0.0000	60.00	No Ice 1/2" Ice 1" Ice	5.52 9.40 11.16	5.52 9.40 13.28	0.18 0.24 0.29
8' P2 STD	A	From Face	3.00 1.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.56	1.90 2.73 3.56	0.03 0.04 0.06
8' P2 STD	B	From Face	3.00 1.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.56	1.90 2.73 3.56	0.03 0.04 0.06
8' P2 STD	C	From Face	3.00 1.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	1.90 2.73 3.56	1.90 2.73 3.56	0.03 0.04 0.06
10' P2 STD	A	From Face	3.00 -1.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	2.38 3.40 4.42	2.38 3.40 4.42	0.04 0.06 0.09
10' P2 STD	B	From Face	3.00 -1.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	2.38 3.40 4.42	2.38 3.40 4.42	0.04 0.06 0.09
10' P2 STD	C	From Face	3.00 -1.00 0.00	0.0000	60.00	No Ice 1/2" Ice 1" Ice	2.38 3.40 4.42	2.38 3.40 4.42	0.04 0.06 0.09
15' P2.5 XX-STR	A	From Face	3.00 5.00	0.0000	60.00	No Ice 1/2" Ice	4.31 5.84	4.31 5.84	0.20 0.24

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Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	**Project** 23CLVZ-0017	**Date** 13:40:41 10/25/23
	Client Verizon Wireless	**Designed by** jll

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
				-3.38			1" Ice	7.37	7.37	0.27
15' P2.5 XX-STR	B	From Face	3.00		0.0000	60.00	No Ice	4.31	4.31	0.20
			5.00				1/2" Ice	5.84	5.84	0.24
				-3.38			1" Ice	7.37	7.37	0.27
15' P2.5 XX-STR	C	From Face	3.00		0.0000	60.00	No Ice	4.31	4.31	0.20
			5.00				1/2" Ice	5.84	5.84	0.24
				-3.38			1" Ice	7.37	7.37	0.27
15' P2.5 XX-STR	A	From Face	3.00		0.0000	60.00	No Ice	4.31	4.31	0.20
			-5.00				1/2" Ice	5.84	5.84	0.24
				-3.38			1" Ice	7.37	7.37	0.27
15' P2.5 XX-STR	B	From Face	3.00		0.0000	60.00	No Ice	4.31	4.31	0.20
			-5.00				1/2" Ice	5.84	5.84	0.24
				-3.38			1" Ice	7.37	7.37	0.27
15' P2.5 XX-STR	C	From Face	3.00		0.0000	60.00	No Ice	4.31	4.31	0.20
			-5.00				1/2" Ice	5.84	5.84	0.24
				-3.38			1" Ice	7.37	7.37	0.27
14' P2 STD	A	From Face	3.00		0.0000	60.00	No Ice	3.33	3.33	0.05
			5.00				1/2" Ice	4.75	4.75	0.08
				-3.38			1" Ice	6.17	6.17	0.10
14' P2 STD	B	From Face	3.00		0.0000	60.00	No Ice	3.33	3.33	0.05
			5.00				1/2" Ice	4.75	4.75	0.08
				-3.38			1" Ice	6.17	6.17	0.10
14' P2 STD	C	From Face	3.00		0.0000	60.00	No Ice	3.33	3.33	0.05
			5.00				1/2" Ice	4.75	4.75	0.08
				-3.38			1" Ice	6.17	6.17	0.10
14' P2 STD	A	From Face	3.00		0.0000	60.00	No Ice	3.33	3.33	0.05
			-5.00				1/2" Ice	4.75	4.75	0.08
				-3.38			1" Ice	6.17	6.17	0.10
14' P2 STD	B	From Face	3.00		0.0000	60.00	No Ice	3.33	3.33	0.05
			-5.00				1/2" Ice	4.75	4.75	0.08
				-3.38			1" Ice	6.17	6.17	0.10
14' P2 STD	C	From Face	3.00		0.0000	60.00	No Ice	3.33	3.33	0.05
			-5.00				1/2" Ice	4.75	4.75	0.08
				-3.38			1" Ice	6.17	6.17	0.10
(8) 3' W6x20	A	From Face	1.50		0.0000	60.00	No Ice	0.04	2.09	0.06
			0.00				1/2" Ice	0.17	2.44	0.11
				0.00			1" Ice	0.30	2.79	0.16
(8) 3' W6x20	B	From Face	1.50		0.0000	60.00	No Ice	0.04	2.09	0.06
			0.00				1/2" Ice	0.17	2.44	0.11
				0.00			1" Ice	0.30	2.79	0.16
(8) 3' W6x20	C	From Face	1.50		0.0000	60.00	No Ice	0.04	2.09	0.06
			0.00				1/2" Ice	0.17	2.44	0.11
				0.00			1" Ice	0.30	2.79	0.16
OPA65R-BU6DA	A	From Face	3.00		0.0000	60.00	No Ice	12.89	7.10	0.08
			0.00				1/2" Ice	13.39	8.05	0.17
				0.00			1" Ice	13.89	9.00	0.26
OPA65R-BU6DA	B	From Face	3.00		0.0000	60.00	No Ice	12.89	7.10	0.08
			0.00				1/2" Ice	13.39	8.05	0.17
				0.00			1" Ice	13.89	9.00	0.26
OPA65R-BU6DA	C	From Face	3.00		0.0000	60.00	No Ice	12.89	7.10	0.08
			0.00				1/2" Ice	13.39	8.05	0.17
				0.00			1" Ice	13.89	9.00	0.26
EPBQ-654L8H6	A	From Face	3.00		0.0000	60.00	No Ice	8.80	7.04	0.09
			0.00				1/2" Ice	9.29	7.53	0.15
				0.00			1" Ice	9.78	8.03	0.21
EPBQ-654L8H6	B	From Face	3.00		0.0000	60.00	No Ice	8.80	7.04	0.09
			0.00				1/2" Ice	9.29	7.53	0.15

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Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Project: 23CLVZ-0017	Date: 13:40:41 10/25/23
	Client: Verizon Wireless	Designed by: jll

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Offsets: Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
				0.00			1" Ice	9.78	8.03	0.21
EPBQ-654L8H6	C	From Face	3.00	0.00	0.0000	60.00	No Ice	8.80	7.04	0.09
							1/2" Ice	9.29	7.53	0.15
				0.00			1" Ice	9.78	8.03	0.21
RRUS 4449 B5/B12	A	From Face	3.00	0.00	0.0000	60.00	No Ice	1.97	1.41	0.07
							1/2" Ice	2.14	1.56	0.09
				0.00			1" Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	B	From Face	3.00	0.00	0.0000	60.00	No Ice	1.97	1.41	0.07
							1/2" Ice	2.14	1.56	0.09
				0.00			1" Ice	2.33	1.73	0.11
RRUS 4449 B5/B12	C	From Face	3.00	0.00	0.0000	60.00	No Ice	1.97	1.41	0.07
							1/2" Ice	2.14	1.56	0.09
				0.00			1" Ice	2.33	1.73	0.11
RRUS 4478 B14	A	From Face	3.00	0.00	0.0000	60.00	No Ice	1.84	1.06	0.06
							1/2" Ice	2.01	1.20	0.08
				0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	B	From Face	3.00	0.00	0.0000	60.00	No Ice	1.84	1.06	0.06
							1/2" Ice	2.01	1.20	0.08
				0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	C	From Face	3.00	0.00	0.0000	60.00	No Ice	1.84	1.06	0.06
							1/2" Ice	2.01	1.20	0.08
				0.00			1" Ice	2.19	1.34	0.09
RRUS 32 B2	A	From Face	3.00	0.00	0.0000	60.00	No Ice	2.73	1.67	0.05
							1/2" Ice	2.95	1.86	0.07
				0.00			1" Ice	3.18	2.05	0.10
RRUS 32 B2	B	From Face	3.00	0.00	0.0000	60.00	No Ice	2.73	1.67	0.05
							1/2" Ice	2.95	1.86	0.07
				0.00			1" Ice	3.18	2.05	0.10
RRUS 32 B2	C	From Face	3.00	0.00	0.0000	60.00	No Ice	2.73	1.67	0.05
							1/2" Ice	2.95	1.86	0.07
				0.00			1" Ice	3.18	2.05	0.10
RRUS 4426 B66	A	From Face	3.00	0.00	0.0000	60.00	No Ice	1.64	0.73	0.05
							1/2" Ice	1.80	0.84	0.06
				0.00			1" Ice	1.97	0.97	0.08
RRUS 4426 B66	B	From Face	3.00	0.00	0.0000	60.00	No Ice	1.64	0.73	0.05
							1/2" Ice	1.80	0.84	0.06
				0.00			1" Ice	1.97	0.97	0.08
RRUS 4426 B66	C	From Face	3.00	0.00	0.0000	60.00	No Ice	1.64	0.73	0.05
							1/2" Ice	1.80	0.84	0.06
				0.00			1" Ice	1.97	0.97	0.08
RRUS 32 B30	A	From Face	3.00	0.00	0.0000	60.00	No Ice	2.69	1.57	0.06
							1/2" Ice	2.91	1.76	0.08
				0.00			1" Ice	3.14	1.95	0.10
RRUS 32 B30	B	From Face	3.00	0.00	0.0000	60.00	No Ice	2.69	1.57	0.06
							1/2" Ice	2.91	1.76	0.08
				0.00			1" Ice	3.14	1.95	0.10
RRUS 32 B30	C	From Face	3.00	0.00	0.0000	60.00	No Ice	2.69	1.57	0.06
							1/2" Ice	2.91	1.76	0.08
				0.00			1" Ice	3.14	1.95	0.10
DC6-48-60-18-8F	A	From Face	3.00	0.00	0.0000	60.00	No Ice	0.79	0.79	0.02
							1/2" Ice	1.27	1.27	0.04
				0.00			1" Ice	1.45	1.45	0.05
DC6-48-60-18-8F	B	From Face	3.00	0.00	0.0000	60.00	No Ice	0.79	0.79	0.02
							1/2" Ice	1.27	1.27	0.04
				0.00			1" Ice	1.45	1.45	0.05
DC6-48-60-18-8F	C	From Face	3.00	0.00	0.0000	60.00	No Ice	0.79	0.79	0.02
							1/2" Ice	1.27	1.27	0.04

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00				1" Ice	1.45	1.45	0.05
AIR 6449 B77D	A	From Face	3.00		0.0000	60.00	No Ice	4.02	2.14	0.08
			5.00				1/2" Ice	4.28	2.35	0.11
			-8.00				1" Ice	4.55	2.57	0.14
AIR 6449 B77D	B	From Face	3.00		0.0000	60.00	No Ice	4.02	2.14	0.08
			5.00				1/2" Ice	4.28	2.35	0.11
			-8.00				1" Ice	4.55	2.57	0.14
AIR 6449 B77D	C	From Face	3.00		0.0000	60.00	No Ice	4.02	2.14	0.08
			5.00				1/2" Ice	4.28	2.35	0.11
			-8.00				1" Ice	4.55	2.57	0.14
AIR 6419 B77G	A	From Face	3.00		0.0000	60.00	No Ice	3.67	1.65	0.07
			-5.00				1/2" Ice	3.91	1.84	0.09
			-8.00				1" Ice	4.17	2.04	0.12
AIR 6419 B77G	B	From Face	3.00		0.0000	60.00	No Ice	3.67	1.65	0.07
			-5.00				1/2" Ice	3.91	1.84	0.09
			-8.00				1" Ice	4.17	2.04	0.12
AIR 6419 B77G	C	From Face	3.00		0.0000	60.00	No Ice	3.67	1.65	0.07
			-5.00				1/2" Ice	3.91	1.84	0.09
			-8.00				1" Ice	4.17	2.04	0.12
(6) 3' W6x20	A	From Face	1.50		0.0000	50.00	No Ice	0.04	2.09	0.06
			0.00				1/2" Ice	0.17	2.44	0.11
			0.00				1" Ice	0.30	2.79	0.16
(6) 3' W6x20	B	From Face	1.50		0.0000	50.00	No Ice	0.04	2.09	0.06
			0.00				1/2" Ice	0.17	2.44	0.11
			0.00				1" Ice	0.30	2.79	0.16
(6) 3' W6x20	C	From Face	1.50		0.0000	50.00	No Ice	0.04	2.09	0.06
			0.00				1/2" Ice	0.17	2.44	0.11
			0.00				1" Ice	0.30	2.79	0.16
*****										
Pipe Mount 6'x2.375"	B	From Leg	0.50		0.0000	60.00	No Ice	1.43	1.43	0.03
			0.00				1/2" Ice	1.92	1.92	0.04
			0.00				1" Ice	2.41	2.41	0.05
*****										
Pipe Mount 6'x2.375"	A	From Leg	0.50		0.0000	60.00	No Ice	1.43	1.43	0.03
			0.00				1/2" Ice	1.92	1.92	0.04
			0.00				1" Ice	2.41	2.41	0.05
*****										
12"x10"x4" ODU	C	From Face	0.50		0.0000	58.00	No Ice	1.17	0.47	0.05
			-5.00				1/2" Ice	1.31	0.57	0.06
			0.00				1" Ice	1.45	0.67	0.07
*****										
Andrew Collar Mount	B	From Leg	0.50		0.0000	57.00	No Ice	2.14	2.14	0.19
			0.00				1/2" Ice	2.35	2.35	0.25
			0.00				1" Ice	2.56	2.56	0.30
12' Omni	B	From Leg	1.00		0.0000	57.00	No Ice	5.09	5.09	0.07
			0.00				1/2" Ice	7.09	7.09	0.11
			6.00				1" Ice	9.09	9.09	0.15
*****										
Pipe Mount 6'x2.375"	C	From Leg	0.50		0.0000	55.00	No Ice	1.43	1.43	0.03
			0.00				1/2" Ice	1.92	1.92	0.04
			0.00				1" Ice	2.41	2.41	0.05
*****										
Pipe Mount 4'x2.375"	B	From Leg	0.00		0.0000	53.00	No Ice	0.87	0.87	0.02
			0.00				1/2" Ice	1.11	1.11	0.03
			0.00				1" Ice	1.35	1.35	0.03
8' Dipole	B	From Leg	0.00		0.0000	53.00	No Ice	1.60	1.60	0.01
			0.00				1/2" Ice	2.42	2.42	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			4.00			1" Ice	3.24	3.24	0.04
*****									
14' I-Beam Mount	B	From Leg	4.00	0.0000	50.00	No Ice	7.44	0.98	0.35
			0.00			1/2" Ice	10.60	1.54	0.57
			0.00			1" Ice	13.76	2.10	0.79
DB806D	C	From Leg	4.00	0.0000	50.00	No Ice	1.14	1.14	0.02
			0.00			1/2" Ice	1.68	1.68	0.03
			7.00			1" Ice	2.22	2.22	0.04
BA80-41-DIN	B	From Leg	8.00	0.0000	50.00	No Ice	6.81	6.81	0.07
			0.00			1/2" Ice	10.38	10.38	0.12
			10.00			1" Ice	13.95	13.95	0.18
*****									
MTS 72" Standoff	B	From Leg	3.00	0.0000	50.00	No Ice	0.98	3.03	0.05
			0.00			1/2" Ice	1.70	5.22	0.08
			0.00			1" Ice	2.42	7.41	0.10
10' Omni	B	From Leg	6.00	0.0000	50.00	No Ice	2.00	2.00	0.03
			0.00			1/2" Ice	3.02	3.02	0.04
			5.00			1" Ice	4.04	4.04	0.06
*****									
Pipe Mount 6'x2.375"	A	From Leg	0.50	0.0000	50.00	No Ice	1.43	1.43	0.03
			0.00			1/2" Ice	1.92	1.92	0.04
			3.00			1" Ice	2.41	2.41	0.05
6' Omni	A	From Leg	0.50	0.0000	50.00	No Ice	1.77	1.77	0.03
			0.00			1/2" Ice	2.13	2.13	0.04
			7.00			1" Ice	2.49	2.49	0.05
*****									
Pipe Mount 12'x2.375"	A	From Leg	1.00	0.0000	50.00	No Ice	2.85	2.85	0.05
			0.00			1/2" Ice	4.08	4.08	0.07
			5.50			1" Ice	5.31	5.31	0.09
8' Dipole	A	From Leg	1.00	0.0000	50.00	No Ice	1.60	1.60	0.01
			0.00			1/2" Ice	2.42	2.42	0.03
			4.00			1" Ice	3.24	3.24	0.04
*****									
Pipe Mount 12'x2.375"	C	From Face	1.00	0.0000	50.00	No Ice	2.85	2.85	0.05
			0.00			1/2" Ice	4.08	4.08	0.07
			5.50			1" Ice	5.31	5.31	0.09
LeBlanc 18" Standoff	C	From Face	2.00	0.0000	50.00	No Ice	2.96	2.11	0.10
			0.00			1/2" Ice	4.10	2.93	0.12
			0.00			1" Ice	5.24	3.75	0.14
10' Omni	C	From Face	3.00	0.0000	50.00	No Ice	2.00	2.00	0.03
			0.00			1/2" Ice	3.02	3.02	0.04
			-5.00			1" Ice	4.04	4.04	0.06
20"x8"x6" TMA	C	From Face	1.50	0.0000	50.00	No Ice	1.33	1.03	0.03
			0.00			1/2" Ice	1.49	1.17	0.04
			2.00			1" Ice	1.65	1.31	0.05
*****									
Pipe Mount 4'x2.375"	B	From Face	0.00	0.0000	50.00	No Ice	0.87	0.87	0.02
			0.00			1/2" Ice	1.11	1.11	0.03
			2.00			1" Ice	1.35	1.35	0.03
UHF450 Antenna	B	From Face	0.00	0.0000	50.00	No Ice	5.59	5.59	0.03
			0.00			1/2" Ice	7.66	7.66	0.07
			4.00			1" Ice	9.73	9.73	0.11
*****									
14' I-Beam Mount	A	From Leg	4.00	0.0000	50.00	No Ice	7.44	0.98	0.35
			0.00			1/2" Ice	10.60	1.54	0.57
			0.00			1" Ice	13.76	2.10	0.79
14' I-Beam Mount	C	From Leg	4.00	0.0000	50.00	No Ice	7.44	0.98	0.35

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Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	**Project** 23CLVZ-0017	**Date** 13:40:41 10/25/23
	Client Verizon Wireless	**Designed by** jll

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1/2" Ice	10.60	1.54	0.57
			0.00			1" Ice	13.76	2.10	0.79
LeBlanc 18" Standoff	C	From Leg	4.00	0.0000	50.00	No Ice	2.96	2.11	0.10
			0.00			1/2" Ice	4.10	2.93	0.12
			2.00			1" Ice	5.24	3.75	0.14
MTS 72" Standoff	B	From Leg	3.00	0.0000	50.00	No Ice	0.98	3.03	0.05
			0.00			1/2" Ice	1.70	5.22	0.08
			0.00			1" Ice	2.42	7.41	0.10
Pipe Mount 12'x2.375"	B	From Face	1.00	0.0000	50.00	No Ice	2.85	2.85	0.05
			0.00			1/2" Ice	4.08	4.08	0.07
			5.50			1" Ice	5.31	5.31	0.09
LeBlanc 18" Standoff	B	From Face	2.00	0.0000	50.00	No Ice	2.96	2.11	0.10
			0.00			1/2" Ice	4.10	2.93	0.12
			2.00			1" Ice	5.24	3.75	0.14
DB264-A	A	From Leg	8.00	0.0000	50.00	No Ice	3.16	3.16	0.05
			0.00			1/2" Ice	5.69	5.69	0.06
			-6.00			1" Ice	8.22	8.22	0.07
VHF150	A	From Leg	8.00	0.0000	50.00	No Ice	1.29	1.29	0.01
			0.00			1/2" Ice	1.60	1.60	0.02
			9.00			1" Ice	1.91	1.91	0.03
WPA-700120-4CF-EDIN-0 w/ Mount Pipe	C	From Leg	3.00	0.0000	50.00	No Ice	3.81	3.97	0.03
			0.00			1/2" Ice	4.17	4.58	0.07
			0.00			1" Ice	4.53	5.19	0.11
432E-831-01T	C	From Leg	6.00	0.0000	50.00	No Ice	1.20	0.75	0.03
			0.00			1/2" Ice	1.34	0.86	0.04
			0.00			1" Ice	1.48	0.97	0.05
SC479-HF1LDF	C	From Leg	8.00	0.0000	50.00	No Ice	4.76	4.76	0.07
			0.00			1/2" Ice	6.54	6.54	0.12
			-5.00			1" Ice	8.32	8.32	0.16
SC479-HF1LDF	B	From Leg	6.00	0.0000	50.00	No Ice	4.76	4.76	0.07
			0.00			1/2" Ice	6.54	6.54	0.12
			-5.00			1" Ice	8.32	8.32	0.16
*****									
Pipe Mount 12'x2.375"	A	From Face	1.00	0.0000	50.00	No Ice	2.85	2.85	0.05
			0.00			1/2" Ice	4.08	4.08	0.07
			5.50			1" Ice	5.31	5.31	0.09
*****									
Pipe Mount 12'x2.375"	A	From Face	1.00	0.0000	50.00	No Ice	2.85	2.85	0.05
			0.00			1/2" Ice	4.08	4.08	0.07
			5.50			1" Ice	5.31	5.31	0.09
*****									
MTS 72" Standoff	C	From Leg	3.00	0.0000	50.00	No Ice	0.98	3.03	0.05
			0.00			1/2" Ice	1.70	5.22	0.08
			0.00			1" Ice	2.42	7.41	0.10
12' Omni	C	From Leg	6.00	0.0000	50.00	No Ice	5.09	5.09	0.07
			0.00			1/2" Ice	7.09	7.09	0.11
			-6.00			1" Ice	9.09	9.09	0.15
*****									
4' Standoff	A	From Leg	0.50	0.0000	46.00	No Ice	1.67	5.15	0.06
			0.00			1/2" Ice	2.43	7.24	0.10
			0.00			1" Ice	3.19	9.33	0.14

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Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	**Project** 23CLVZ-0017	**Date** 13:40:41 10/25/23
	Client Verizon Wireless	**Designed by** jll

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft²	Weight K
VHLP3-11W-6GR	B	Paraboloid w/Shroud (HP)	From Leg	1.00 0.00 14.00	0.0000		63.00	3.28	No Ice 1/2" Ice 1" Ice	8.47 8.90 9.33	0.05 0.10 0.15
VHLP3-11W-6GR	A	Paraboloid w/Shroud (HP)	From Leg	1.00 0.00 12.90	0.0000		60.00	3.28	No Ice 1/2" Ice 1" Ice	8.47 8.90 9.33	0.05 0.10 0.15
PA6-65	B	Paraboloid w/Radome	From Leg	1.00 0.00 0.00	0.0000		60.00	6.58	No Ice 1/2" Ice 1" Ice	34.04 34.91 35.78	0.14 0.32 0.50
SPD2-5.8NS	C	Paraboloid w/Radome	From Face	1.00 -5.00 0.00	0.0000		58.00	2.00	No Ice 1/2" Ice 1" Ice	3.14 3.41 3.68	0.02 0.04 0.06
PA6-65	C	Paraboloid w/Radome	From Leg	1.00 0.00 0.00	0.0000		55.00	6.58	No Ice 1/2" Ice 1" Ice	34.04 34.91 35.78	0.14 0.32 0.50
PRFTV 48/75	A	Grid	From Leg	2.00 2.00 0.00	0.0000		46.00	4.65	No Ice 1/2" Ice 1" Ice	6.35 17.60 18.21	0.04 0.09 0.14
SPD2-5.8NS	C	Paraboloid w/Radome	From Face	3.00 -5.00 -5.00	0.0000		60.00	2.00	No Ice 1/2" Ice 1" Ice	3.14 3.41 3.68	0.02 0.04 0.06

(Global) Model Settings

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	No
Max Iterations for Wall Stiffness	3
Gravity Acceleration (ft/sec^2)	32.2
Wall Mesh Size (in)	24
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Standard Solver

Hot Rolled Steel Code	AISC 15th(360-16): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	AISC 14th(360-10): ASD
Cold Formed Steel Code	None
Wood Code	None
Wood Temperature	< 100F
Concrete Code	None
Masonry Code	TMS 402-16: ASD
Aluminum Code	AA ADM1-15: ASD - Building
Stainless Steel Code	AISC 14th(360-10): ASD
Adjust Stiffness?	Yes(Iterative)

Number of Shear Regions	4
Region Spacing Increment (in)	4
Biaxial Column Method	Exact Integration
Parme Beta Factor (PCA)	.65
Concrete Stress Block	Rectangular
Use Cracked Sections?	Yes
Use Cracked Sections Slab?	Yes
Bad Framing Warnings?	No
Unused Force Warnings?	Yes
Min 1 Bar Diam. Spacing?	No
Concrete Rebar Set	REBAR_SET_ASTMA615
Min % Steel for Column	1
Max % Steel for Column	8

(Global) Model Settings, Continued

Seismic Code	ASCE 7-16
Seismic Base Elevation (ft)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Drift Cat	Other
Om Z	1
Om X	1
Cd Z	4
Cd X	4
Rho Z	1
Rho X	1

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A36	29000	11194	.295	.65	.49	36	1.5	58	1.2

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N16	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
2	N17	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction
3	N18	Reaction	Reaction	Reaction	Reaction	Reaction	Reaction

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
1	M1	N2	N1		30	TWR_LEG_T1	Column	None	A572-65_Gen	Typical
2	M2	N4	N3		150	TWR_LEG_T1	Column	None	A572-65_Gen	Typical
3	M3	N6	N5		270	TWR_LEG_T1	Column	None	A572-65_Gen	Typical
4	M4	N7	N8			TWR_TOP_GIRT_T1	Beam	None	A36_Gen	Typical
5	M5	N8	N9			TWR_TOP_GIRT_T1	Beam	None	A36_Gen	Typical
6	M6	N9	N7			TWR_TOP_GIRT_T1	Beam	None	A36_Gen	Typical
7	M7	N10	N2		30	TWR_LEG_T2	Column	None	A572-65_Gen	Typical
8	M8	N11	N4		150	TWR_LEG_T2	Column	None	A572-65_Gen	Typical
9	M9	N12	N6		270	TWR_LEG_T2	Column	None	A572-65_Gen	Typical
10	M10	N2	N4			TWR_TOP_GIRT_T2	Beam	Wide Flange	A36	Typical
11	M11	N4	N6			TWR_TOP_GIRT_T2	Beam	Wide Flange	A36	Typical
12	M12	N6	N2			TWR_TOP_GIRT_T2	Beam	Wide Flange	A36	Typical
13	M13	N13	N10		30	TWR_LEG_T3	Column	None	A572-65_Gen	Typical
14	M14	N14	N11		150	TWR_LEG_T3	Column	None	A572-65_Gen	Typical
15	M15	N15	N12		270	TWR_LEG_T3	Column	None	A572-65_Gen	Typical
16	M16	N10	N11			TWR_TOP_GIRT_T3	Beam	None	A36_Gen	Typical
17	M17	N11	N12			TWR_TOP_GIRT_T3	Beam	None	A36_Gen	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
18	M18	N12	N10			TWR_TOP_GIRT_T3	Beam	None	A36_Gen	Typical
19	M19	N16	N13		30	TWR_LEG_T4	Column	None	A572-65_Gen	Typical
20	M20	N17	N14		150	TWR_LEG_T4	Column	None	A572-65_Gen	Typical
21	M21	N18	N15		270	TWR_LEG_T4	Column	None	A572-65_Gen	Typical
22	M22	N13	N14			TWR_TOP_GIRT_T4	Beam	None	A36_Gen	Typical
23	M23	N14	N15			TWR_TOP_GIRT_T4	Beam	None	A36_Gen	Typical
24	M24	N15	N13			TWR_TOP_GIRT_T4	Beam	None	A36_Gen	Typical
25	M25	N16	N14			TWR_DIAG_T4	Column	Wide Flange	A36	Typical
26	M26	N17	N13			TWR_DIAG_T4	Column	Wide Flange	A36	Typical
27	M27	N17	N15		360	TWR_DIAG_T4	Column	Wide Flange	A36	Typical
28	M28	N18	N14		360	TWR_DIAG_T4	Column	Wide Flange	A36	Typical
29	M29	N18	N13		360	TWR_DIAG_T4	Column	Wide Flange	A36	Typical
30	M30	N16	N15		360	TWR_DIAG_T4	Column	Wide Flange	A36	Typical

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Desi...	A [in2]	Iyy [i...	Izz [i...	J [in4]
1	TWR_TOP_GIRT_T2	W10X33	Beam	Wide Flange	A36	Typical	9.71	36.6	171	.583
2	TWR_DIAG_T4	W6X25	Colu...	Wide Flange	A36	Typical	7.34	17.1	53.4	.461

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	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes				None
5	M5						Yes				None
6	M6						Yes				None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes				None
11	M11						Yes				None
12	M12						Yes				None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes				None
17	M17						Yes				None
18	M18						Yes				None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22	AllPIN	BenPIN				Yes				None
23	M23	AllPIN	BenPIN				Yes				None
24	M24	AllPIN	BenPIN				Yes				None
25	M25	AllPIN	AllPIN				Yes	** NA **			None
26	M26	AllPIN	AllPIN				Yes	** NA **			None
27	M27	AllPIN	AllPIN				Yes	** NA **			None
28	M28	AllPIN	AllPIN				Yes	** NA **			None
29	M29	AllPIN	AllPIN				Yes	** NA **			None
30	M30	AllPIN	AllPIN				Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...	Lbyy[ft]	Lbzz[ft]	Lcomp top...	Lcomp bot...	L-torq...	Kyy	Kzz	Cb	Funct...
1	M10	TWR_TOP_GIRT_T2	13.167	13.167	13.167	13.167	13.167	13.167	1	1		Lateral
2	M11	TWR_TOP_GIRT_T2	13.167	13.167	13.167	13.167	13.167	13.167	1	1		Lateral
3	M12	TWR_TOP_GIRT_T2	13.167	13.167	13.167	13.167	13.167	13.167	1	1		Lateral
4	M25	TWR_DIAG_T4	28.255	14.128	14.128	14.128	14.128	14.128	1	1		Lateral
5	M26	TWR_DIAG_T4	28.255	14.128	14.128	14.128	14.128	14.128	1	1		Lateral
6	M27	TWR_DIAG_T4	28.255	14.128	14.128	14.128	14.128	14.128	1	1		Lateral
7	M28	TWR_DIAG_T4	28.255	14.128	14.128	14.128	14.128	14.128	1	1		Lateral
8	M29	TWR_DIAG_T4	28.255	14.128	14.128	14.128	14.128	14.128	1	1		Lateral
9	M30	TWR_DIAG_T4	28.255	14.128	14.128	14.128	14.128	14.128	1	1		Lateral

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
1	Dead	None		-1		24	361	12		
2	No Ice Wind 0 deg	None				24	855	32		
3	No Ice Wind 30 deg	None				48	892	44		
4	No Ice Wind 60 deg	None				48	954	44		
5	No Ice Wind 90 deg	None				24	774	32		
6	No Ice Wind 120 deg	None				48	952	44		
7	No Ice Wind 150 deg	None				48	890	44		
8	No Ice Wind 180 deg	None				24	855	32		
9	No Ice Wind 210 deg	None				48	891	44		
10	No Ice Wind 240 deg	None				48	954	44		
11	No Ice Wind 270 deg	None				24	774	32		
12	No Ice Wind 300 deg	None				48	952	44		
13	No Ice Wind 330 deg	None				48	888	44		
14	Ice	None				24	361	42		
15	Temperature Drop	None						30		
16	Ice Wind 0 deg	None				24	855	32		
17	Ice Wind 30 deg	None				48	886	30		
18	Ice Wind 60 deg	None				48	950	44		
19	Ice Wind 90 deg	None				24	774	32		
20	Ice Wind 120 deg	None				48	949	44		
21	Ice Wind 150 deg	None				48	884	44		
22	Ice Wind 180 deg	None				24	855	32		
23	Ice Wind 210 deg	None				48	885	30		
24	Ice Wind 240 deg	None				48	950	44		
25	Ice Wind 270 deg	None				24	774	32		
26	Ice Wind 300 deg	None				48	949	44		
27	Ice Wind 330 deg	None				48	884	44		
28	Service Wind 0 deg	None				24	854	32		
29	Service Wind 30 deg	None				48	888	30		
30	Service Wind 60 deg	None				48	952	44		
31	Service Wind 90 deg	None				24	774	32		
32	Service Wind 120 deg	None				48	950	44		
33	Service Wind 150 deg	None				48	888	44		
34	Service Wind 180 deg	None				24	854	32		
35	Service Wind 210 deg	None				48	887	30		
36	Service Wind 240 deg	None				48	953	44		
37	Service Wind 270 deg	None				24	774	32		
38	Service Wind 300 deg	None				48	950	44		
39	Service Wind 330 deg	None				48	886	44		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	Dead Only	Yes			1	1	40	1	41	1	0		0		0		0		0					
2	1.2 Dead+1.0 Wind 0 deg - No...	Yes			1	1.2	2	1	40	1.2	41	1	0		0		0		0					
3	0.9 Dead+1.0 Wind 0 deg - No...	Yes			1	.9	2	1	40	.9	41	1	0		0		0		0					
4	1.2 Dead+1.0 Wind 30 deg - N...	Yes			1	1.2	3	1	40	1.2	41	1	0		0		0		0					
5	0.9 Dead+1.0 Wind 30 deg - N...	Yes			1	.9	3	1	40	.9	41	1	0		0		0		0					
6	1.2 Dead+1.0 Wind 60 deg - N...	Yes			1	1.2	4	1	40	1.2	41	1	0		0		0		0					
7	0.9 Dead+1.0 Wind 60 deg - N...	Yes			1	.9	4	1	40	.9	41	1	0		0		0		0					
8	1.2 Dead+1.0 Wind 90 deg - N...	Yes			1	1.2	5	1	40	1.2	41	1	0		0		0		0					
9	0.9 Dead+1.0 Wind 90 deg - N...	Yes			1	.9	5	1	40	.9	41	1	0		0		0		0					
10	1.2 Dead+1.0 Wind 120 deg - ...	Yes			1	1.2	6	1	40	1.2	41	1	0		0		0		0					
11	0.9 Dead+1.0 Wind 120 deg - ...	Yes			1	.9	6	1	40	.9	41	1	0		0		0		0					
12	1.2 Dead+1.0 Wind 150 deg - ...	Yes			1	1.2	7	1	40	1.2	41	1	0		0		0		0					
13	0.9 Dead+1.0 Wind 150 deg - ...	Yes			1	.9	7	1	40	.9	41	1	0		0		0		0					
14	1.2 Dead+1.0 Wind 180 deg - ...	Yes			1	1.2	8	1	40	1.2	41	1	0		0		0		0					
15	0.9 Dead+1.0 Wind 180 deg - ...	Yes			1	.9	8	1	40	.9	41	1	0		0		0		0					
16	1.2 Dead+1.0 Wind 210 deg - ...	Yes			1	1.2	9	1	40	1.2	41	1	0		0		0		0					
17	0.9 Dead+1.0 Wind 210 deg - ...	Yes			1	.9	9	1	40	.9	41	1	0		0		0		0					
18	1.2 Dead+1.0 Wind 240 deg - ...	Yes			1	1.2	10	1	40	1.2	41	1	0		0		0		0					
19	0.9 Dead+1.0 Wind 240 deg - ...	Yes			1	.9	10	1	40	.9	41	1	0		0		0		0					
20	1.2 Dead+1.0 Wind 270 deg - ...	Yes			1	1.2	11	1	40	1.2	41	1	0		0		0		0					
21	0.9 Dead+1.0 Wind 270 deg - ...	Yes			1	.9	11	1	40	.9	41	1	0		0		0		0					
22	1.2 Dead+1.0 Wind 300 deg - ...	Yes			1	1.2	12	1	40	1.2	41	1	0		0		0		0					
23	0.9 Dead+1.0 Wind 300 deg - ...	Yes			1	.9	12	1	40	.9	41	1	0		0		0		0					
24	1.2 Dead+1.0 Wind 330 deg - ...	Yes			1	1.2	13	1	40	1.2	41	1	0		0		0		0					
25	0.9 Dead+1.0 Wind 330 deg - ...	Yes			1	.9	13	1	40	.9	41	1	0		0		0		0					
26	1.2 Dead+1.0 Ice+1.0 Temp	Yes			1	1.2	14	1	15	1	40	1.2	41	1	0		0		0					
27	1.2 Dead+1.0 Wind 0 deg+1.0 ...	Yes			1	1.2	16	1	14	1	15	1	40	1.2	41	1	0		0					
28	1.2 Dead+1.0 Wind 30 deg+1....	Yes			1	1.2	17	1	14	1	15	1	40	1.2	41	1	0		0					
29	1.2 Dead+1.0 Wind 60 deg+1....	Yes			1	1.2	18	1	14	1	15	1	40	1.2	41	1	0		0					
30	1.2 Dead+1.0 Wind 90 deg+1....	Yes			1	1.2	19	1	14	1	15	1	40	1.2	41	1	0		0					
31	1.2 Dead+1.0 Wind 120 deg+1...	Yes			1	1.2	20	1	14	1	15	1	40	1.2	41	1	0		0					
32	1.2 Dead+1.0 Wind 150 deg+1...	Yes			1	1.2	21	1	14	1	15	1	40	1.2	41	1	0		0					
33	1.2 Dead+1.0 Wind 180 deg+1...	Yes			1	1.2	22	1	14	1	15	1	40	1.2	41	1	0		0					
34	1.2 Dead+1.0 Wind 210 deg+1...	Yes			1	1.2	23	1	14	1	15	1	40	1.2	41	1	0		0					
35	1.2 Dead+1.0 Wind 240 deg+1...	Yes			1	1.2	24	1	14	1	15	1	40	1.2	41	1	0		0					
36	1.2 Dead+1.0 Wind 270 deg+1...	Yes			1	1.2	25	1	14	1	15	1	40	1.2	41	1	0		0					
37	1.2 Dead+1.0 Wind 300 deg+1...	Yes			1	1.2	26	1	14	1	15	1	40	1.2	41	1	0		0					
38	1.2 Dead+1.0 Wind 330 deg+1...	Yes			1	1.2	27	1	14	1	15	1	40	1.2	41	1	0		0					
39	Dead+Wind 0 deg - Service	Yes			1	1	28	1	40	1	41	1	0		0		0		0					
40	Dead+Wind 30 deg - Service	Yes			1	1	29	1	40	1	41	1	0		0		0		0					
41	Dead+Wind 60 deg - Service	Yes			1	1	30	1	40	1	41	1	0		0		0		0					
42	Dead+Wind 90 deg - Service	Yes			1	1	31	1	40	1	41	1	0		0		0		0					
43	Dead+Wind 120 deg - Service	Yes			1	1	32	1	40	1	41	1	0		0		0		0					
44	Dead+Wind 150 deg - Service	Yes			1	1	33	1	40	1	41	1	0		0		0		0					
45	Dead+Wind 180 deg - Service	Yes			1	1	34	1	40	1	41	1	0		0		0		0					
46	Dead+Wind 210 deg - Service	Yes			1	1	35	1	40	1	41	1	0		0		0		0					
47	Dead+Wind 240 deg - Service	Yes			1	1	36	1	40	1	41	1	0		0		0		0					
48	Dead+Wind 270 deg - Service	Yes			1	1	37	1	40	1	41	1	0		0		0		0					
49	Dead+Wind 300 deg - Service	Yes			1	1	38	1	40	1	41	1	0		0		0		0					
50	Dead+Wind 330 deg - Service	Yes			1	1	39	1	40	1	41	1	0		0		0		0					

Envelope Joint Reactions

	Joint		X [k]	LC	Y [k]	LC	Z [k]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N16	max	30.221	18	200.618	18	13.741	7	30.156	15	.044	3	29.196	21
2		min	-24.3	7	-161.863	7	-17.211	18	-31.862	2	-.043	14	-29.161	8
3	N17	max	24.43	23	195.919	10	13.041	23	26.378	15	.044	3	29.218	21
4		min	-30.183	10	-161.193	23	-16.22	10	-28.06	2	-.044	14	-29.168	8
5	N18	max	2.14	9	208.257	2	36.556	2	31.093	15	.044	3	24.929	21
6		min	-2.257	20	-169.769	15	-29.404	15	-33.026	2	-.044	14	-24.814	8
7	Totals:	max	41.835	21	70.303	33	49.558	3						
8		min	-41.743	8	30.732	7	-44.614	14						

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

	Mem...	Shape	Code Check	Loc[ft]	LC	Shea...	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt [k]	phi*M...	phi*M...	Cb	Eqn
1	M12	W10X33	.816	0	4	.195	2.469	y	4	221.994	314.604	37.8	95.023	1	H1...
2	M10	W10X33	.741	0	20	.178	0	y	20	221.994	314.604	37.8	95.023	1	H1...
3	M11	W10X33	.723	13.167	24	.174	13.167	y	24	221.994	314.604	37.8	95.023	1	H1...
4	M29	W6X25	.437	9.124	2	.004	14.128	y	16	124.217	237.816	23.112	45.203	1	H1...
5	M26	W6X25	.407	8.83	10	.004	14.128	y	18	124.217	237.816	23.112	45.203	1	H1...
6	M25	W6X25	.394	8.83	18	.004	14.128	y	8	124.217	237.816	23.112	45.203	1	H1...
7	M30	W6X25	.390	8.83	18	.004	14.128	y	4	124.217	237.816	23.112	45.203	1	H1...
8	M28	W6X25	.387	9.124	2	.004	14.128	y	12	124.217	237.816	23.112	45.203	1	H1...
9	M27	W6X25	.366	8.83	10	.004	14.128	y	24	124.217	237.816	23.112	45.203	1	H1...

Centerline Enginering Services, PA
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Tel: (781) 713-4725

Job:	Dansbury S CT	Engineer:	JLL
Project:	23CLVZ-0017	Date:	10/25/2023
Client:	Verizon Wireless	Sheet:	1 of 1

Member Summary

Section Number	Elevation (ft)	Component Type	Size	Mu (k-ft)	ϕMn (k-ft)	% Capacity	Pass/Fail
T1	50 - 64.25	Leg	POLY 15.68"x0.25"	69.06	242.31	28.5%	Pass
T1	50 - 64.25	Top Girt	POLY 12.07"x0.25"	53.05	141.54	37.5%	Pass
T2	41 - 50	Leg	POLY 15.68"x0.25"	76.00	242.31	31.4%	Pass
T2	41 - 50	Top Girt	W10x33	30.84	37.80	81.6%	Pass
T3	25 - 41	Leg	POLY 15.68"x0.25"	105.66	242.31	43.6%	Pass
T3	25 - 41	Top Girt	POLY 12.07"x0.25"	119.87	141.54	84.7%	Pass
T4	0 - 25	Leg	POLY 15.68"x0.25"	91.62	242.31	37.8%	Pass
T4	0 - 25	Diagonal	W6x25	10.10	23.11	43.7%	Pass
T4	0 - 25	Top Girt	POLY 12.07"x0.25"	1.37	141.54	1.0%	Pass

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Top Girt Plate and Bolt Analysis (TIA-H) for Elevations 25 ft, 41 ft, & 63.25 ft

Reactions

Moment:	119.9	*ft-kips*
Axial:	5.6	*kips*
Shear:	18.4	*kips*

Tower Information

Diameter:	12.07	*in*
Thickness:	0.25	*in*
Pole Grade:	A572-50	
Fy:	50	*ksi*
Fu:	65	*ksi*
# of Sides:	8-sided	

Plate Information

Diameter:	16	*in*
Thickness:	1.5	*in*
Plate Grade:	A36	
Fy:	36	*ksi*
Fu:	58	*ksi*

Bolt Information

Quantity:	4	
Diameter:	1.25	*in*
Bolt Grade:	A325N	
Fy:	81	*ksi*
Fu:	105	*ksi*
Bolt Circle:	18	*in*

Capacity Results

Bolt Results

Bolt Force:	78.36	*kips*
Bolt Capacity:	75.96	*kips*
Bolt Stress Ratio:	98.2%	

Good

Plate Results

Plate Stress:	32.04	*ksi*
Allowable Plate Stress:	32.40	*ksi*
Plate Stress Ratio:	94.2%	
Tension Side Stress:	59.4%	

Good

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SST Anchor Rod Check (TIA-H)

Anchor Rod Information

Grout Considered?:	Yes	
Clear Distance, l_{ar}:	2.25	*in*
Quanity Per Leg:	4	
Diameter:	2.25	*in*
Rod Material:	A36	
Strength (Fu):	58	*ksi*
Yield (Fy):	36	*ksi*

Reactions

Compression, P_{uc}:	208.3	*kips*
Comp Shear, V_{uc}:	47.4	*kips*
Tension, P_{ut}:	169.8	*kips*
Tension Shear, V_{ut}:	42.1	*kips*

Capacity Results

Anchor Rod Results

Interaction Equations for lar ≤ 1(d)	(Puc/ϕcRnc) + [Vu/ϕcRnvc]^2 ≤ 1.0

$R_{nt} = FuA_n$=	188.50	*kips*	Rnvc = $0.6F_yA_n/2$	35.10	*kips*	ϕ_t=	0.75
$R_{nc} = F_yA_n$=	117.00	*kips*	$R_{nb} = F_{cr}A_n$=	116.83	*kips*	ϕ_v=	0.75
$R_{nv} = 0.5F_uA_g$=	115.31	*kips*	$M_n = F_yZ$=	50.51	*ksi*	ϕ_c=	1.0
						ϕ_f=	0.9

P_{uc}=	52.06	*kips*	V_{uc}=	11.86	*kips*	M_{uc}=	17.34	*ksi*
P_{ut}=	42.44	*kips*	V_{ut}=	10.54	*kips*	M_{ut}=	15.41	*ksi*

Anchor Rod Stress Ratio= 55.9% Good

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Foundation Calculations

Tower Reactions (from RISA)

Moment:	2833.33	ft-kips
Axial:	70.55	kips
Shear:	65.01	kips

$\phi = 0.75$

Weight of Concrete: 150 pcf

Allowable Bearing Pressure: 22.83 ksf

Bearing Area: 119.08 ft^2

Foundation Volume: 1071.71 ft^3

Foundation Weight: 160.76 kips

Weight of Plate Stack: 7.35 kips

Overturning Moment Resistance from Weight of Slab + Mods: 418.44 ft-kips

Overturning Moment Resistance from Bearing: 5403.142 ft-kips

Overall Moment Capacity: 5821.58 ft-kips

Moment %: 48.7%

Overall Axial Capacity: 6116.76 kips

Axial %: 1.2%

Overall Sliding Capacity: 133.96 kips

Sliding %: 48.5%

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Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10213193
Colliers Engineering & Design Project #: 23777140 (Rev 1)

November 14, 2023

Site Information	*Site ID:*	*5000383050-VZW / DANBURY S CT*
	Site Name:	*DANBURY S CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*144 Post Rd.* *Danbury, Connecticut 06810* *Fairfield County*
	Latitude:	*41.359531°*
	Longitude:	*-73.465481°*
Structure Information	*Tower Type:*	*66-Ft Self Support*
	Mount Type:	*14.67-Ft Sector Frame*

FUZE ID # 17123952

Analysis Results

Sector Frame: **72.2% 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: Gianna Argentina

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED PROFESSIONAL ENGINEER
11/14/2023

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 323710, dated December 3, 2021*
Mount Mapping Report	*RKS Design & Engineering, LLC, Site ID: VZW: 457555, dated December 20, 2021*
Previous Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21781197 (Rev.1), dated February 3, 2022*
Filter Add Scope	*CenterLine Engineering Services, PA, Fuze ID: 17123952, dated October 26, 2023*

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:	B
	Topographic Feature Considered:	Flat Topped Hill
	Topographic Method:	2
	Ground Elevation Factor, K_e:	0.965
Seismic Parameters:	S_S:	0.225 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 mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
66.25	69.00	2	Samsung	RF4440d-13A	Retained
		1	Raycap	RVZDC-6627-PF-48	
		4	JMA Wireless	MX06FRO660-02	
		4	Andrew	DB846F65ZAXY	
		2	Samsung	RF4439d-25A	
		2	Samsung	MT6407-77A	
		2	KAelus	KA-6030	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 and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Mount Pipe	60.5%	Pass
Dual Pipe	63.0%	Pass
Face Horizontal	72.2%	Pass
Mount Connection	55.9 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**72.2%**

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	29.4	10.9	44.8	26.3
0.5	32.3	12.4	53.9	34.0
1	29.9	19.2	63.1	41.7

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 2 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

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

Contractor shall verify previous project by Maser Consulting Connecticut dated February 3, 2022 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications**.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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 #: 5000383050 SMART Project #: 10213193 Fuze Project ID: 17123952

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:

Contractor shall verify previous project by Maser Consulting Connecticut dated February 3, 2022 have been installed prior to installation of equipment. **Escalate any discrepancies to EOR immediately as it may render the results of this analysis invalid and require additional modifications**.

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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: 5000383050-VZW - DANBURY S CT

Sector: **B**

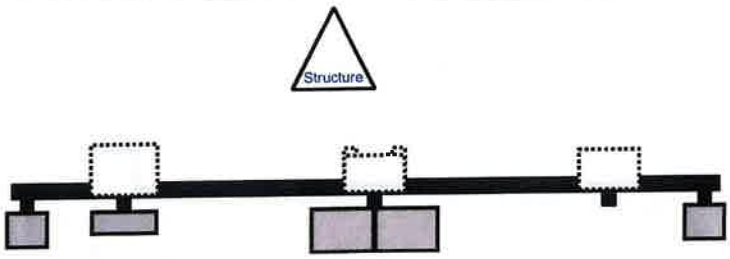
Structure Type: Self Support

Mount Elev: 66.25

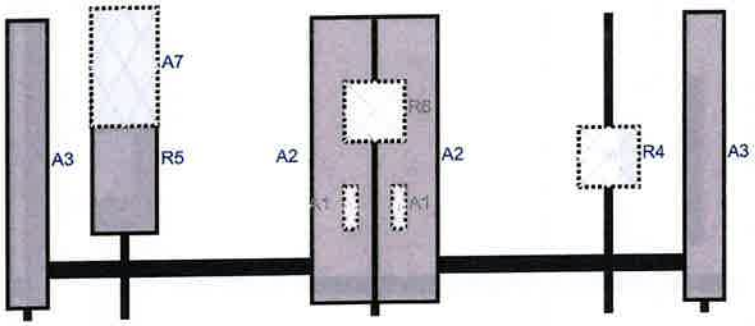
10213193

11/10/2023

Plan View



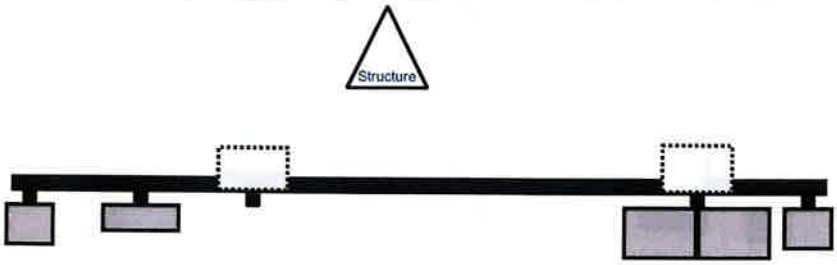
Front View - Looking at Structure



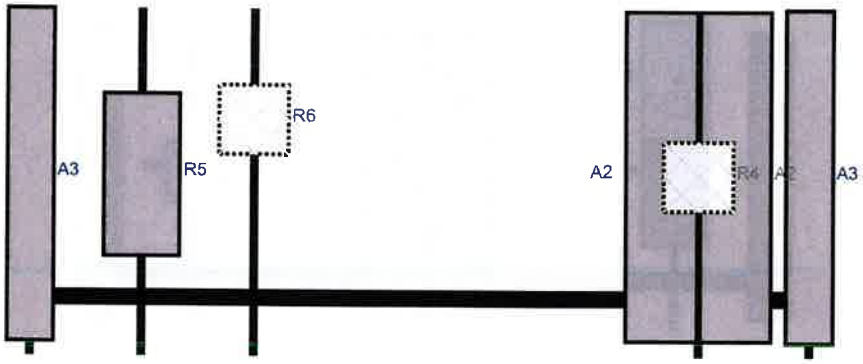
5 4 3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A3	DB846F65ZAXY	72	10	172	1	a	Front	36	0	Retained	12/20/2021
R4	RF4439d-25A	15	15	148	2	a	Behind	36	0	Retained	
A2	MX06FRO660-02	71.3	15.4	90	3	a	Front	36	-8	Retained	
A2	MX06FRO660-02	71.3	15.4	90	3	b	Front	36	8	Retained	
A1	KA-6030	10.6	3.2	90	3	a	Behind	48	-6	Added	
A1	KA-6030	10.6	3.2	90	3	b	Behind	48	6	Added	
R6	RF4440d-13A	15	15	90	3	a	Behind	24	0	Retained	
R5	MT6407-77A	35.1	16.1	28	4	a	Front	36	0	Retained	
A7	RVZDC-6627-PF-48	29.5	16.5	28	4	a	Behind	12	0	Retained	
A3	DB846F65ZAXY	72	10	4	5	a	Front	36	0	Retained	12/20/2021

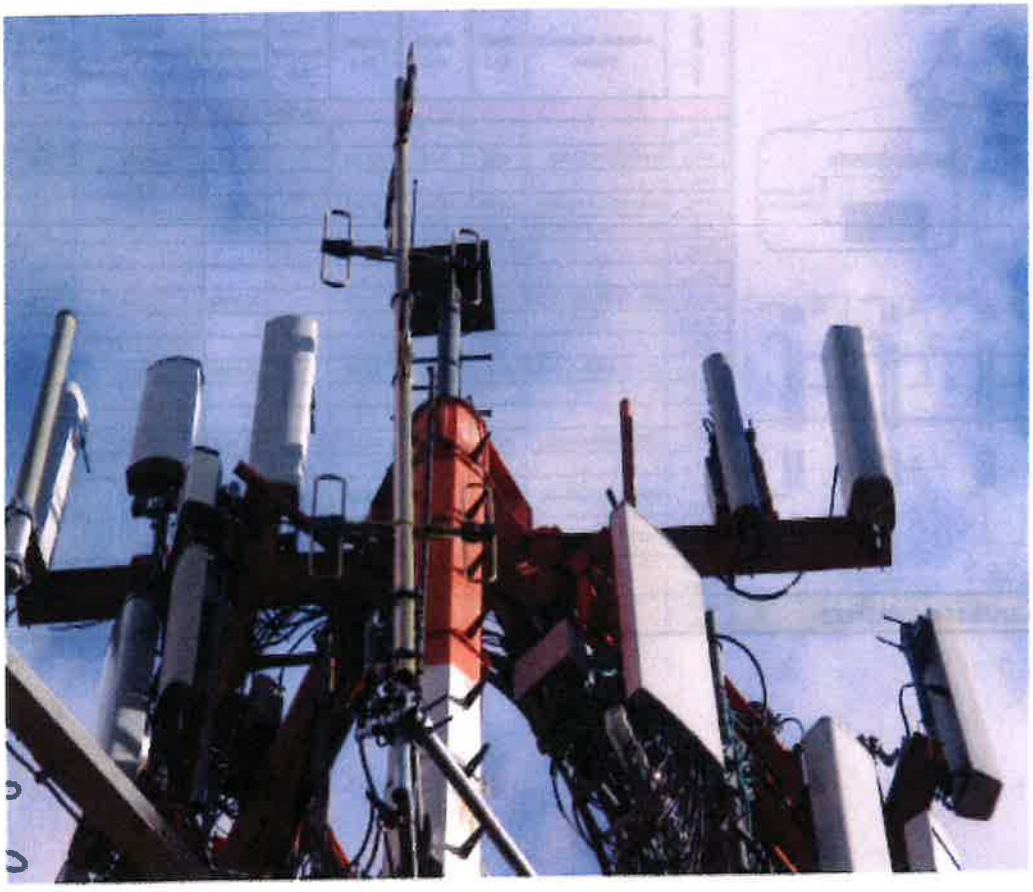
Plan View



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
A3	DB846F65ZAXY	72	10	172	1	a	Front	36	0	Retained	12/20/2021
A2	MX06FRO660-02	71.3	15.4	148	2	a	Front	36	8	Retained	
A2	MX06FRO660-02	71.3	15.4	148	2	b	Front	36	-8	Retained	
R4	RF4439d-25A	15	15	148	2	a	Behind	36	0	Retained	
R6	RF4440d-13A	15	15	52	3	a	Behind	24	0	Retained	
R5	MT6407-77A	35.1	16.1	28	4	a	Front	36	0	Retained	
A3	DB846F65ZAXY	72	10	4	5	a	Front	36	0	Retained	12/20/2021

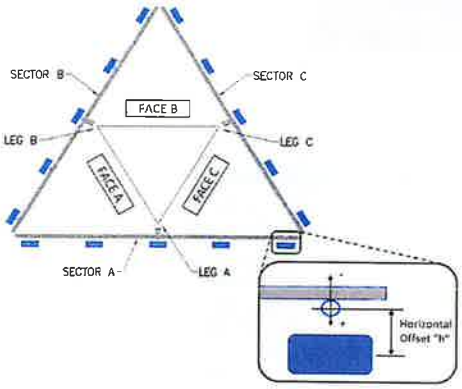


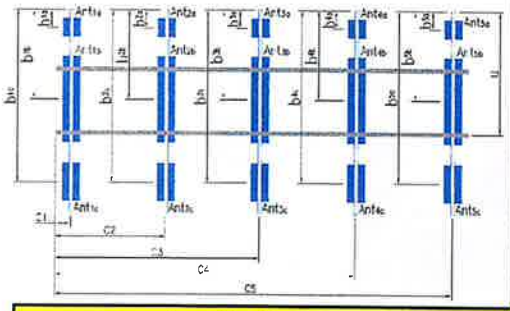
V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #			UNKNOWN
Tower Owner:	UNKNOWN	**Mapping Date:**	12/20/2021
Site Name:	VZW: DANBURY S CT	**Tower Type:**	Self Support
Site Number or ID:	VZW: 467555	**Tower Height (FL):**	66
Mapping Contractor:	RKS Design & Engineering, LLC	**Mount Elevation (FL):**	57.5

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø X 0.16" X 75" LONG	62.50	4.00	C1			
A2	PIPE 2.375"Ø X 0.16" X 75" LONG	62.50	28.00	C2			
A3	PIPE 2.375"Ø X 0.16" X 86" LONG	78.00	76.00	C3			
A4	PIPE 2.375"Ø X 0.16" X 72" LONG	59.00	148.00	C4			
A5	PIPE 2.375"Ø X 0.16" X 75" LONG	62.50	172.00	C5			
A6				C6			
B1	PIPE 2.375"Ø X 0.16" X 75" LONG	62.50	4.00	D1			
B2	PIPE 2.375"Ø X 0.16" X 72" LONG	59.00	28.00	D2			
B3	PIPE 2.375"Ø X 0.16" X 86" LONG	81.50	124.00	D3			
B4	PIPE 2.375"Ø X 0.16" X 75" LONG	66.00	148.00	D4			
B5	PIPE 2.375"Ø X 0.16" X 75" LONG	62.50	172.00	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.) :	
Please enter additional infomation or comments below.	

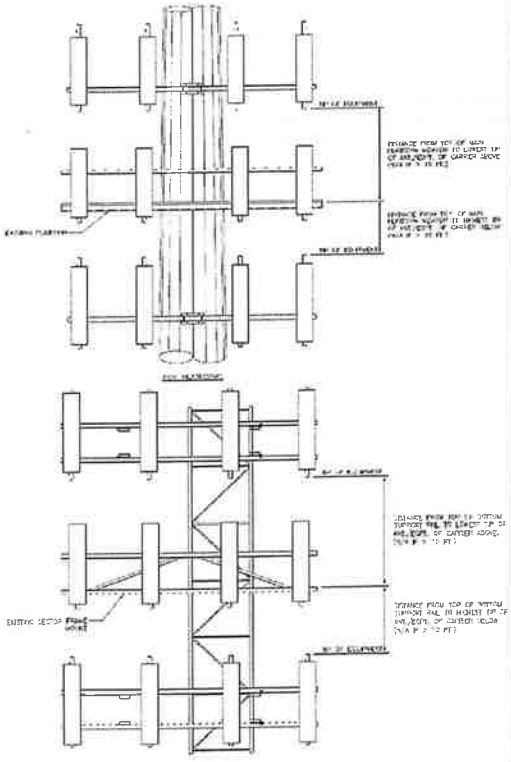
Tower Face Width at Mount Elev. (ft.):	15	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			2

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b},..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	UNKNOWN PANEL	9.50	7.50	72.50		69.7917	35.00	6.75	200.00	7, 103
Ant_{1c}										
Ant_{2a}	9442 RRH2X40-AWS	10.60	6.70	24.40		70.3542	28.25	-7.00		7, 103
Ant_{2b}	BXA-171063-12BF-ED	6.10	4.10	72.50		69.6875	36.25	7.75	190.00	7, 103
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-70063/6CF E-DIN	11.20	5.20	71.00		70.4583	42.50	12.50	180.00	7, 103
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	BXA-171063-12BF-ED	6.10	4.10	72.50		69.6458	33.25	7.75	210.00	7, 103
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	UNKNOWN PANEL	9.50	7.50	72.50		69.7917	35.00	7.00	200.00	7, 103
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.73	10.25	25.66			20.25	8.00		7, 103
Ant on Standoff	YAGI	16.00		36.00						7, 103
Ant on Tower										
Ant on Tower										

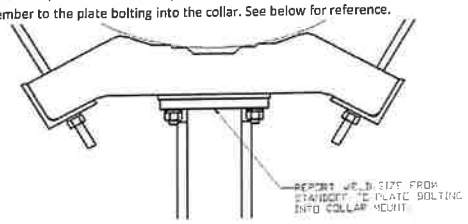
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	200.00	Deg	Leg A:	200.00	Deg
Sector B:	320.00	Deg	Leg B:	320.00	Deg
Sector C:		Deg	Leg C:	80.00	Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	320.00	Deg	On Leg B
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



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



Sector B										
Ant_{1a}										
Ant_{1b}	UNKNOWN PANEL	9.50	7.50	72.50		69.7917	35.00	7.00	320.00	30, 104
Ant_{1c}										
Ant_{2a}	9442 RRH2X40-AWS	10.60	6.70	24.40		70.0625	28.25	-7.00		30, 104
Ant_{2b}	BXA-171063-12BF-ED	6.10	4.10	72.50		69.3958	36.25	7.75	330.00	30, 104
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-70063/6CF E-DIN	11.20	5.20	71.00		70.75	42.50	12.50	320.00	30, 105
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	UNKNOWN PANEL	12.00	6.50	51.00		70.7083	27.50	11.50	320.00	30, 105
Ant_{4c}										
Ant_{5a}										
Ant_{5b}	UNKNOWN PANEL	9.50	7.50	72.50		69.7917	35.00	7.00	320.00	30, 105
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
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										
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	COAX TOTAL (13): (12) FH 7/8, (1) 1.54"Ø HYBRID	
2		
3		
4		
5		
6		
7		
8		

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

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

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

V4.0 Updated on 3-31-2021

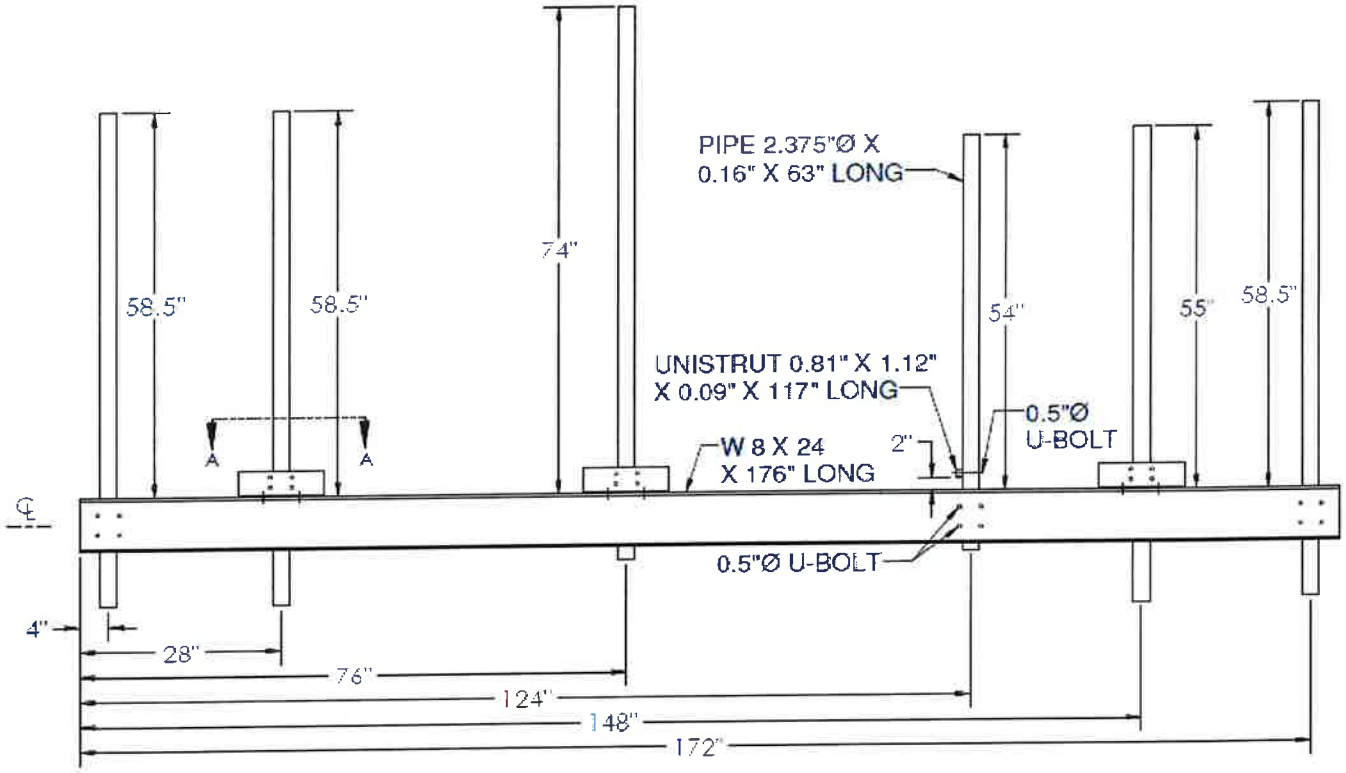
MASER CONSULTING P.A.

Antenna Mount Mapping Form (PATENT PENDING)

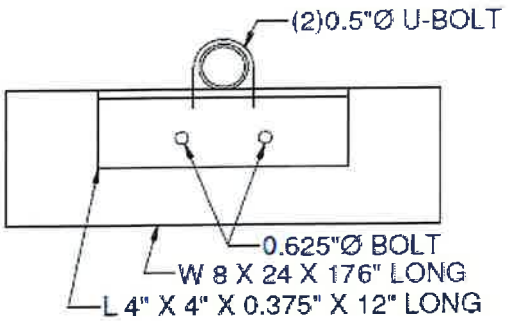
FCC #: UNKNOWN

Tower Owner:	UNKNOWN	Mapping Date:	12/20/2021
Site Name:	VZW: DANBURY S CT	Tower Type:	Self Support
Site Number or ID:	VZW: 467555	Tower Height (Ft.):	66
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	57.5

Please Insert Sketches of the Antenna Mount

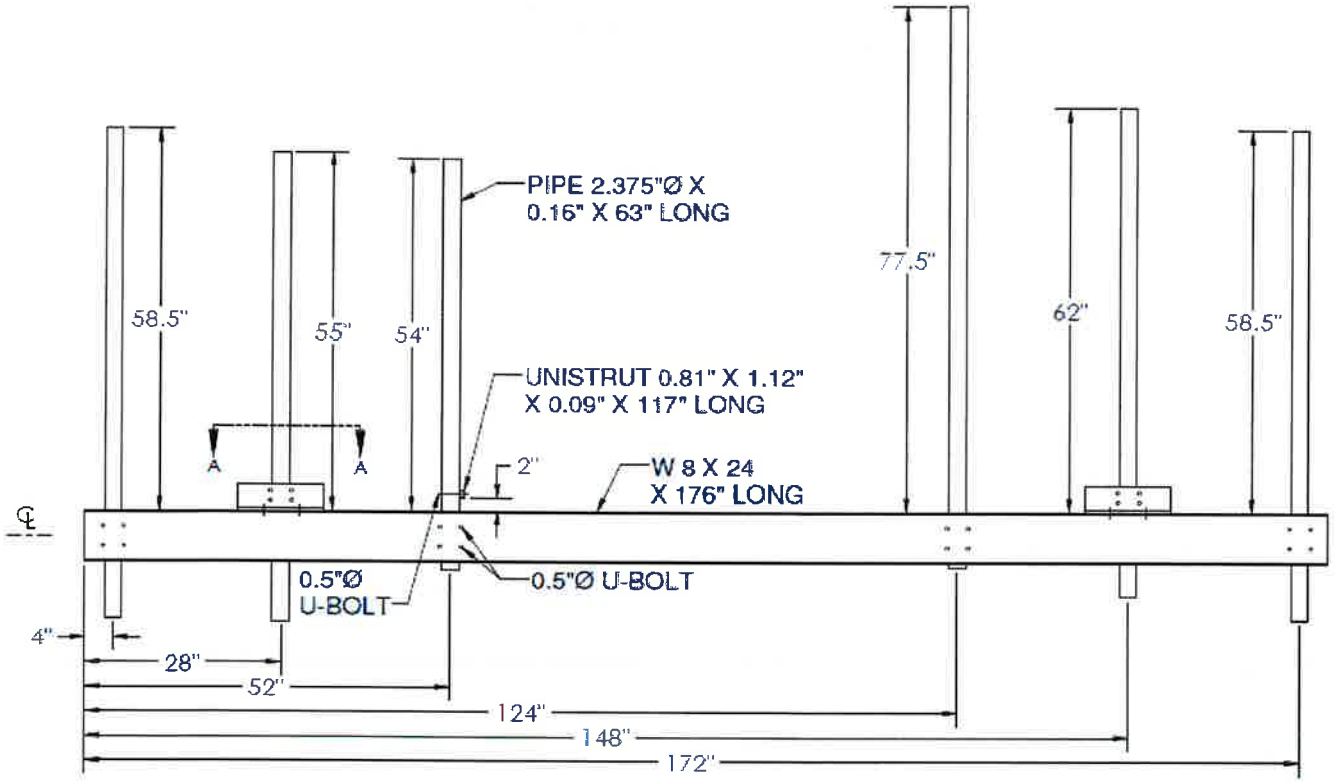


SECTOR A



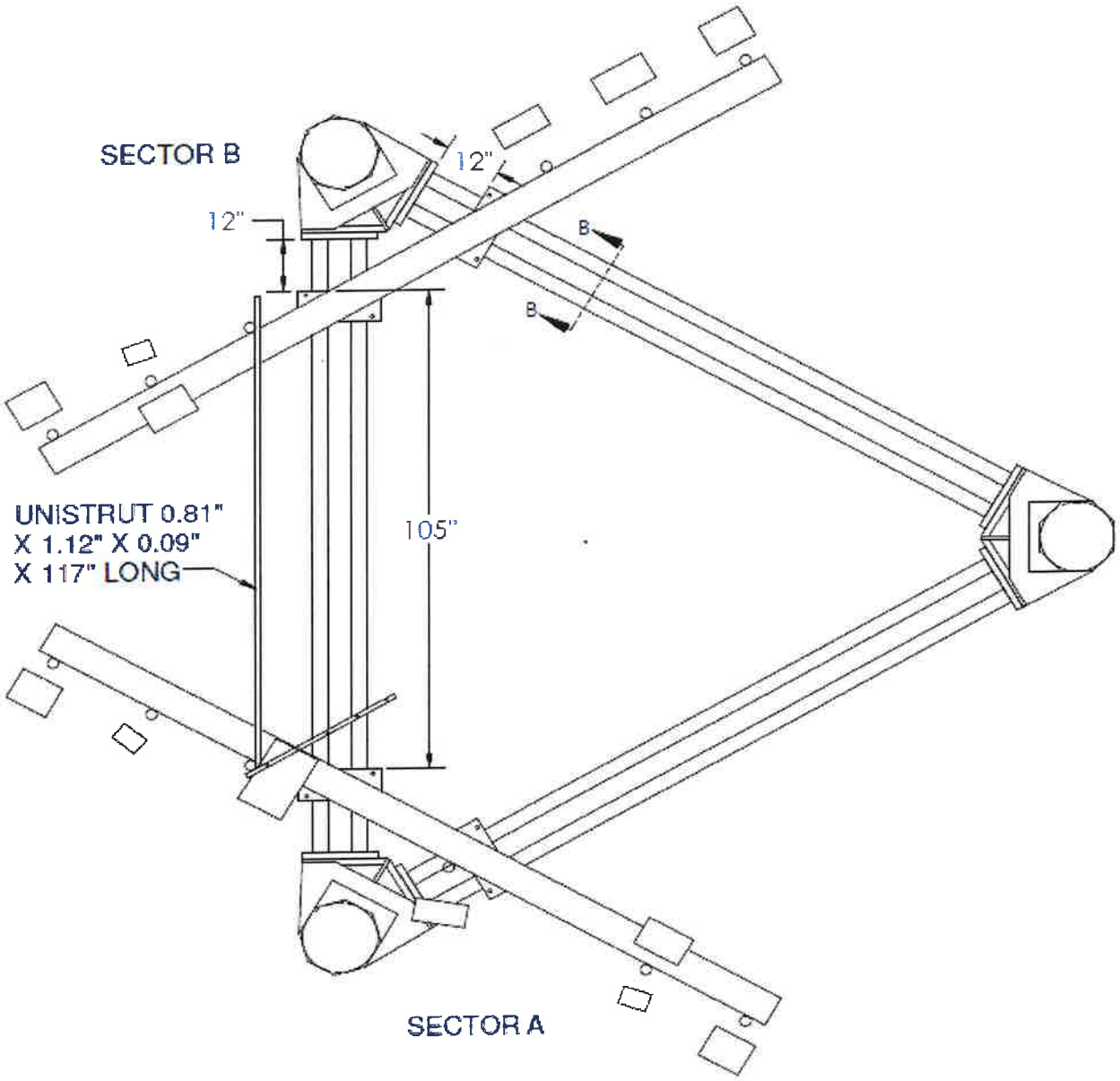
SECTION A-A

Please Insert Sketches of the Antenna Mount, cont'd



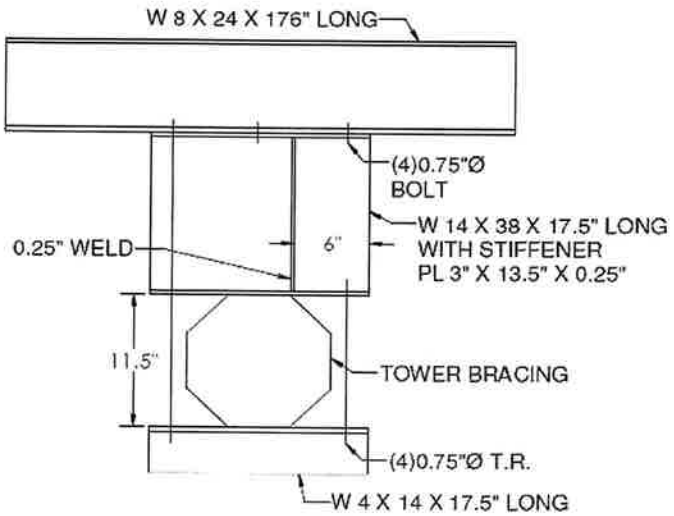
SECTOR B

Please Insert Sketches of the Antenna Mount, cont'd

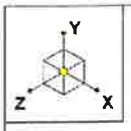


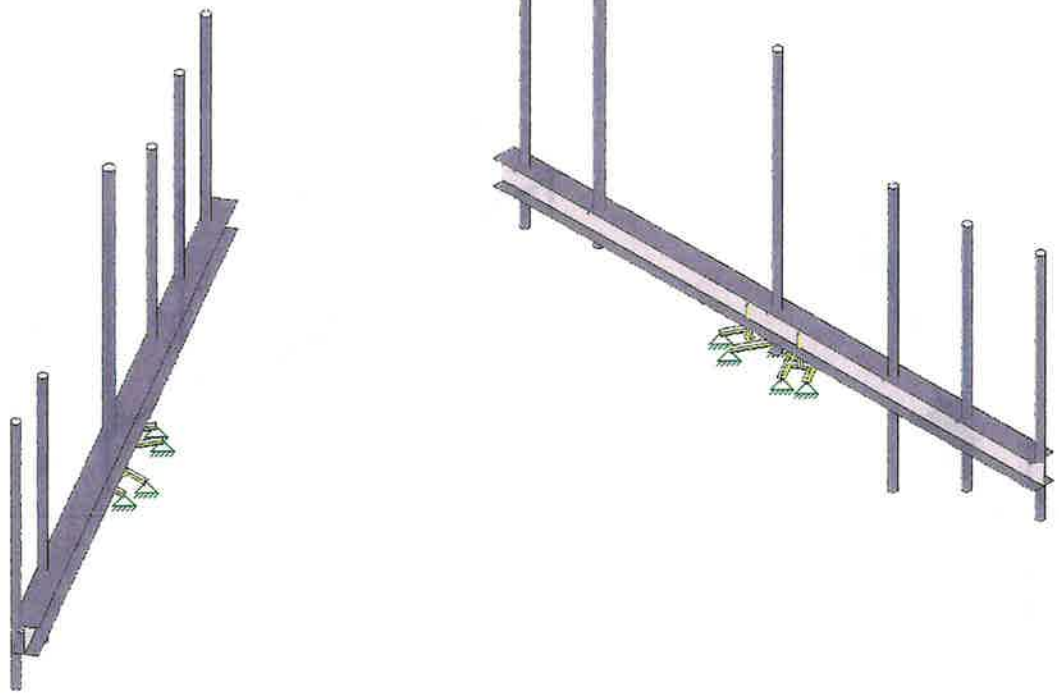
ANTENNA PLAN VIEW

Please Insert Sketches of the Antenna Mount, cont'd



SECTION B-B





Envelope Only Solution

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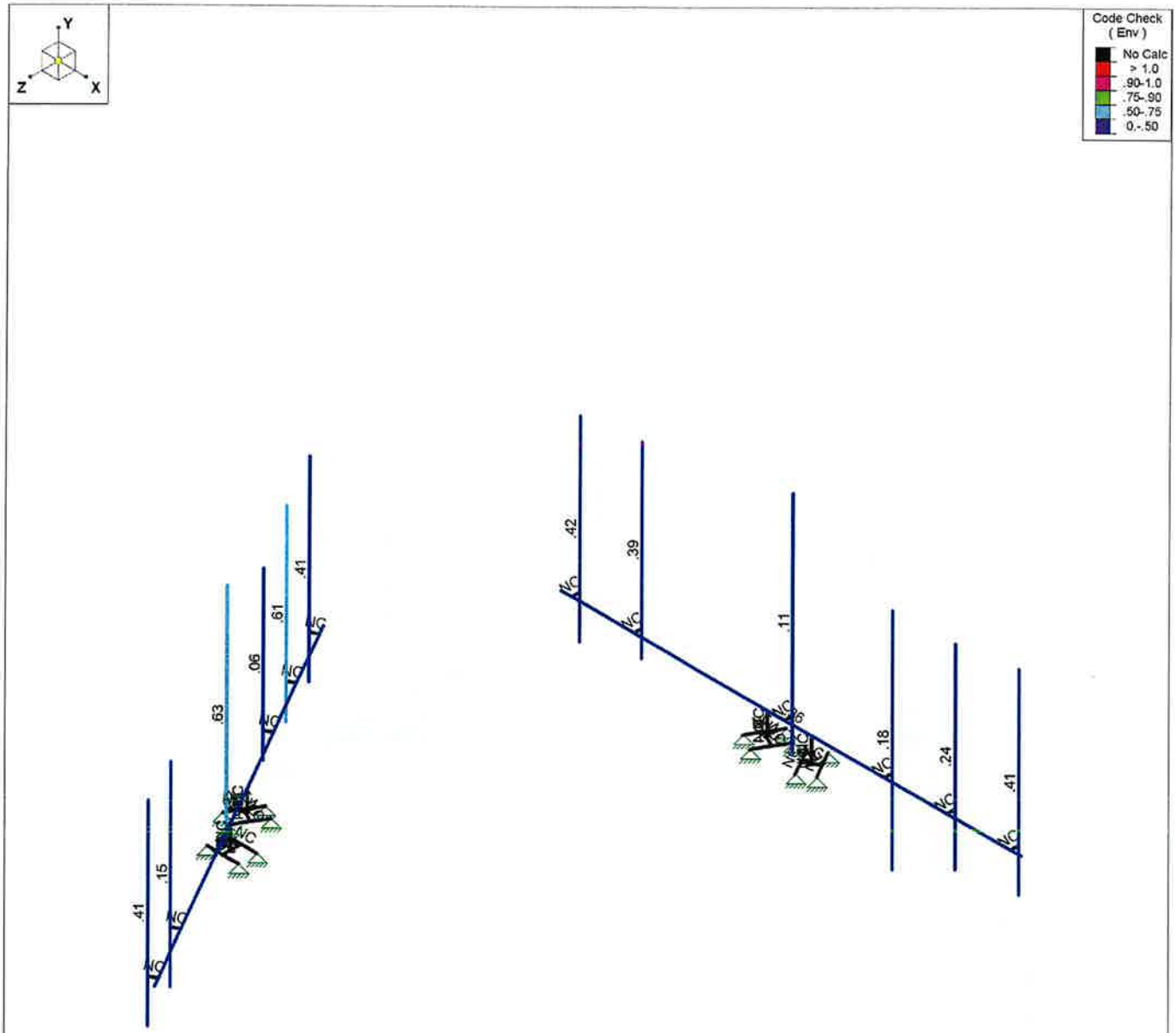
		Nov 10, 2023 at 2:37 PM
		5000383050-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

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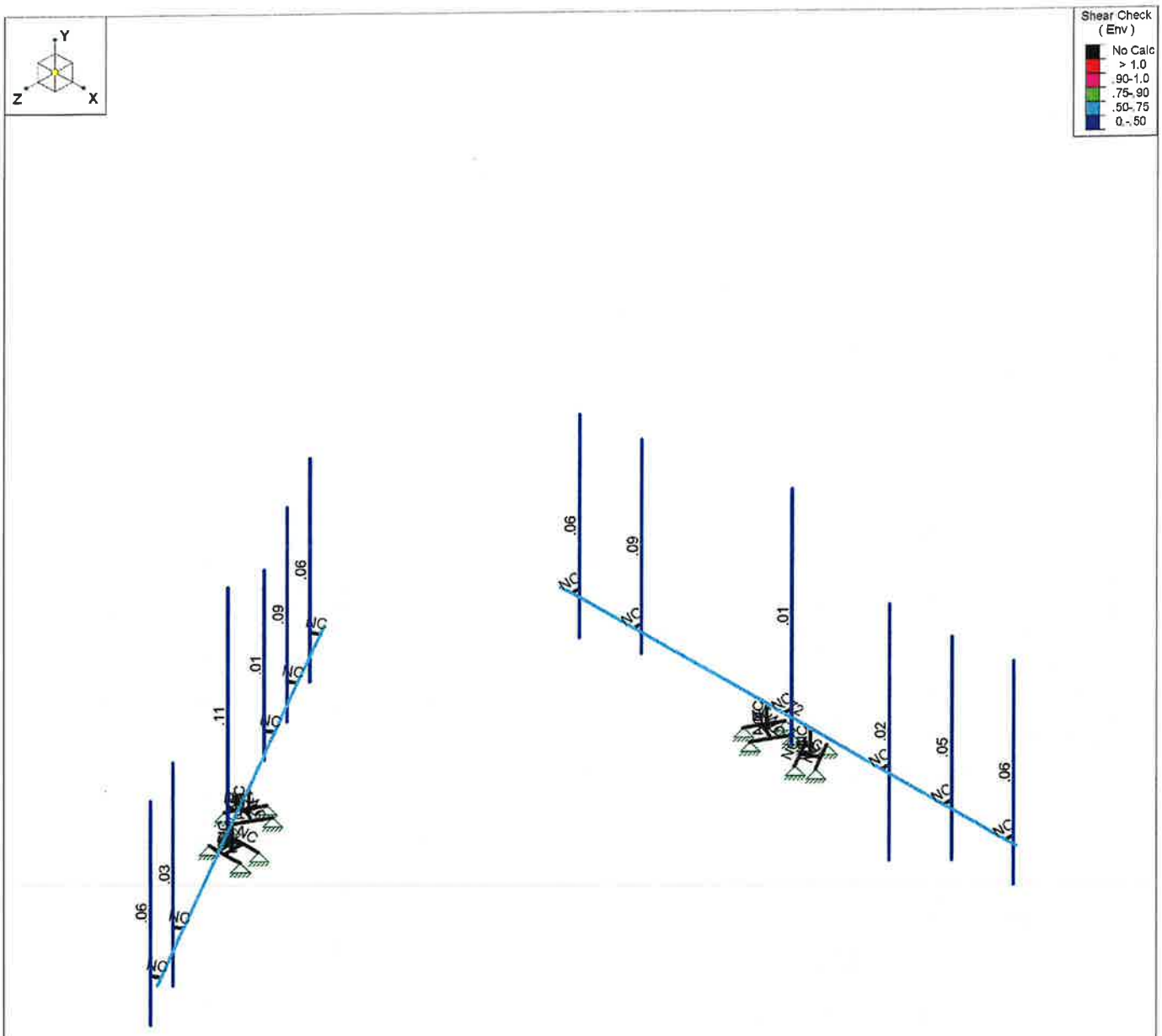


Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

	SK - 2
	Nov 10, 2023 at 2:49 PM
	5000383050-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					75			
2	Antenna Di	None					75			
3	Antenna Wo (0 Deg)	None					75			
4	Antenna Wo (30 Deg)	None					75			
5	Antenna Wo (60 Deg)	None					75			
6	Antenna Wo (90 Deg)	None					75			
7	Antenna Wo (120 Deg)	None					75			
8	Antenna Wo (150 Deg)	None					75			
9	Antenna Wo (180 Deg)	None					75			
10	Antenna Wo (210 Deg)	None					75			
11	Antenna Wo (240 Deg)	None					75			
12	Antenna Wo (270 Deg)	None					75			
13	Antenna Wo (300 Deg)	None					75			
14	Antenna Wo (330 Deg)	None					75			
15	Antenna Wi (0 Deg)	None					75			
16	Antenna Wi (30 Deg)	None					75			
17	Antenna Wi (60 Deg)	None					75			
18	Antenna Wi (90 Deg)	None					75			
19	Antenna Wi (120 Deg)	None					75			
20	Antenna Wi (150 Deg)	None					75			
21	Antenna Wi (180 Deg)	None					75			
22	Antenna Wi (210 Deg)	None					75			
23	Antenna Wi (240 Deg)	None					75			
24	Antenna Wi (270 Deg)	None					75			
25	Antenna Wi (300 Deg)	None					75			
26	Antenna Wi (330 Deg)	None					75			
27	Antenna Wm (0 Deg)	None					75			
28	Antenna Wm (30 Deg)	None					75			
29	Antenna Wm (60 Deg)	None					75			
30	Antenna Wm (90 Deg)	None					75			
31	Antenna Wm (120 Deg)	None					75			
32	Antenna Wm (150 Deg)	None					75			
33	Antenna Wm (180 Deg)	None					75			
34	Antenna Wm (210 Deg)	None					75			
35	Antenna Wm (240 Deg)	None					75			
36	Antenna Wm (270 Deg)	None					75			
37	Antenna Wm (300 Deg)	None					75			
38	Antenna Wm (330 Deg)	None					75			
39	Structure D	None		-1						
40	Structure Di	None						14		
41	Structure Wo (0 Deg)	None						28		
42	Structure Wo (30 Deg)	None						28		
43	Structure Wo (60 Deg)	None						28		
44	Structure Wo (90 Deg)	None						28		
45	Structure Wo (120 D...	None						28		
46	Structure Wo (150 D...	None						28		
47	Structure Wo (180 D...	None						28		
48	Structure Wo (210 D...	None						28		
49	Structure Wo (240 D...	None						28		
50	Structure Wo (270 D...	None						28		
51	Structure Wo (300 D...	None						28		
52	Structure Wo (330 D...	None						28		
53	Structure Wi (0 Deg)	None						28		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						28		
55	Structure Wi (60 Deg)	None						28		
56	Structure Wi (90 Deg)	None						28		
57	Structure Wi (120 De..	None						28		
58	Structure Wi (150 De..	None						28		
59	Structure Wi (180 De..	None						28		
60	Structure Wi (210 De..	None						28		
61	Structure Wi (240 De..	None						28		
62	Structure Wi (270 De..	None						28		
63	Structure Wi (300 De..	None						28		
64	Structure Wi (330 De..	None						28		
65	Structure Wm (0 Deg)	None						28		
66	Structure Wm (30 De..	None						28		
67	Structure Wm (60 De..	None						28		
68	Structure Wm (90 De..	None						28		
69	Structure Wm (120 D..	None						28		
70	Structure Wm (150 D..	None						28		
71	Structure Wm (180 D..	None						28		
72	Structure Wm (210 D..	None						28		
73	Structure Wm (240 D..	None						28		
74	Structure Wm (270 D..	None						28		
75	Structure Wm (300 D..	None						28		
76	Structure Wm (330 D..	None						28		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					75			
82	Antenna Eh (0 Deg)	None					50			
83	Antenna Eh (90 Deg)	None					50			
84	Structure Ev	ELY		-.049						
85	Structure Eh (0 Deg)	ELZ			-.123					
86	Structure Eh (90 Deg)	ELX	.123							

Load Combinations

	Description	Sol...	P...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								

Load Combinations (Continued)

	Description	Sol...	P...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	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 + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0...	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	N9	0	0	5.669873	0	
2	N15	7.333333	.75	-1.763512	0	
3	N16	-7.333333	.75	-1.763512	0	
4	N15A	7.	.75	-1.763512	0	
5	N16A	5.	.75	-1.763512	0	
6	N17	3.	.75	-1.763512	0	
7	N19	-5.	.75	-1.763512	0	
8	N20	-7.	.75	-1.763512	0	
9	N21	7.	.75	-2.013512	0	
10	N22	5.	.75	-2.013512	0	
11	N23	3.	.75	-2.013512	0	
12	N25	-5.	.75	-2.013512	0	
13	N26	-7.	.75	-2.013512	0	
14	N27	7.	5.625	-2.013512	0	
15	N28	-7.	5.625	-2.013512	0	
16	N29	7.	-.625	-2.013512	0	
17	N30	-7.	-.625	-2.013512	0	
18	N31	5.	5.333333	-2.013512	0	
19	N32	5.	-0.916667	-2.013512	0	
20	N33	3.	5.25	-2.013512	0	
21	N34	3.	-1.916667	-2.013512	0	
22	N36	-5.	5.916667	-2.013512	0	
23	N37	-5.	-0.083333	-2.013512	0	
24	N60	-10.104167	.75	3.035712	0	
25	N61	-2.770833	.75	15.737418	0	
26	N62	-9.9375	.75	3.324388	0	
27	N63	-8.9375	.75	5.056438	0	
28	N65A	-7.9375	.75	6.788489	0	
29	N66A	-3.9375	.75	13.716692	0	
30	N67A	-2.9375	.75	15.448743	0	
31	N68	-10.154006	.75	3.449388	0	
32	N69	-9.154006	.75	5.181438	0	
33	N71A	-8.154006	.75	6.913489	0	
34	N72A	-4.154006	.75	13.841692	0	
35	N73A	-3.154006	.75	15.573743	0	
36	N74A	-10.154006	5.625	3.449388	0	
37	N75A	-3.154006	5.625	15.573743	0	
38	N76A	-10.154006	-.625	3.449388	0	
39	N77A	-3.154006	-.625	15.573743	0	
40	N78A	-9.154006	5.625	5.181438	0	
41	N79	-9.154006	-.375	5.181438	0	
42	N82	-8.154006	5.25	6.913489	0	
43	N83	-4.154006	5.333333	13.841692	0	
44	N84	-4.154006	-0.916667	13.841692	0	
45	N85	-8.154006	-0.083333	6.913489	0	
46	N84A	-6.354167	.75	9.530903	0	
47	N85A	-6.570673	.75	9.655903	0	
48	N86	-6.570673	6.916667	9.655903	0	
49	N87	-6.570673	-.25	9.655903	0	
50	N58	-6.083333	.75	10	0	
51	N60A	-6.083333	0.333333	10	0	
52	N62A	-6.083333	0	10	0	
53	N67	-6.083333	0	10.25	0	
54	N68B	-6.083333	0	9.666667	0	
55	N67B	-5.583333	0	10.25	0	
56	N68C	-5.583333	0	9.666667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N71	-6.583333	0	10.25	0	
58	N72	-6.583333	0	9.666667	0	
59	N79A	-5.833333	0	9.666667	0	
60	N80	-5.833333	0	10.25	0	
61	N81	-6.333333	0	9.666667	0	
62	N82A	-6.333333	0	10.25	0	
63	N87A	0.708333	.75	-1.763512	0	
64	N88	0.708333	0.333333	-1.763512	0	
65	N89	0.708333	0	-1.763512	0	
66	N92	0.92484	0	-1.888512	0	
67	N93	0.491827	0	-1.638512	0	
68	N96	0.67484	0	-2.321524	0	
69	N97	0.241827	0	-2.071524	0	
70	N100	1.17484	0	-1.455499	0	
71	N101	0.741827	0	-1.205499	0	
72	N102	0.366827	0	-1.855018	0	
73	N103	0.79984	0	-2.105018	0	
74	N104	0.616827	0	-1.422005	0	
75	N105	1.04984	0	-1.672005	0	
76	N111	-0.708333	.75	-1.763512	0	
77	N112	-0.708333	0.333333	-1.763512	0	
78	N113	-0.708333	0	-1.763512	0	
79	N114	-6.791667	.75	8.773131	0	
80	N115	-6.791667	0.333333	8.773131	0	
81	N116	-6.791667	0	8.773131	0	
82	N117	-0.92484	0	-1.888512	0	
83	N118	-0.419658	0	-1.596845	0	
84	N119	-7.008173	0	8.648131	0	
85	N120	-6.57516	0	8.898131	0	
86	N121	-1.17484	0	-1.455499	0	
87	N122	-0.669658	0	-1.163832	0	
88	N123	-7.258173	0	9.081143	0	
89	N124	-6.82516	0	9.331143	0	
90	N125	-0.67484	0	-2.321524	0	
91	N126	-0.169658	0	-2.029858	0	
92	N127	-6.758173	0	8.215118	0	
93	N128	-6.32516	0	8.465118	0	
94	N129	-6.70016	0	9.114637	0	
95	N130	-7.133173	0	8.864637	0	
96	N131	-6.45016	0	8.681624	0	
97	N132	-6.883173	0	8.431624	0	
98	N133	-0.544658	0	-1.380339	0	
99	N134	-1.04984	0	-1.672005	0	
100	N135	-0.294658	0	-1.813351	0	
101	N136	-0.79984	0	-2.105018	0	
102	N151A	-0.166667	.75	-1.763512	0	
103	N152A	-0.166667	.75	-2.013512	0	
104	N153A	-0.166667	6.916667	-2.013512	0	
105	N154A	-0.166667	-.25	-2.013512	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	W8X24	Beam	Wide Fla...	A50	Typical	7.08	18.3	82.7	.346
2	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Dual Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	A50	29000	11154	.3	.65	.49	50	1.5	58	1.2
9	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	FACEB	N16	N15			Face Horizontal	Beam	Wide Flange	A50	Typical
2	M7	N21	N15A			RIGID	None	None	RIGID	Typical
3	M8	N22	N16A			RIGID	None	None	RIGID	Typical
4	M9	N23	N17			RIGID	None	None	RIGID	Typical
5	M11	N25	N19			RIGID	None	None	RIGID	Typical
6	M12	N26	N20			RIGID	None	None	RIGID	Typical
7	MP1B	N28	N30			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
8	MP5B	N27	N29			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4B	N31	N32			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP3B	N33	N34			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP2B	N36	N37			Dual Pipe	Column	Pipe	A53 Gr.B	Typical
12	FACEA	N61	N60			Face Horizontal	Beam	Wide Flange	A50	Typical
13	M32	N68	N62			RIGID	None	None	RIGID	Typical
14	M33	N69	N63			RIGID	None	None	RIGID	Typical
15	M35A	N71A	N65A			RIGID	None	None	RIGID	Typical
16	M36A	N66A	N72A			RIGID	None	None	RIGID	Typical
17	M37A	N67A	N73A			RIGID	None	None	RIGID	Typical
18	MP1A	N75A	N77A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
19	MP5A	N74A	N76A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
20	MP4A	N78A	N79			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
21	MP2A	N83	N84			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
22	MP6B	N82	N85			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
23	M44	N84A	N85A			RIGID	None	None	RIGID	Typical
24	MP3A	N86	N87			Dual Pipe	Column	Pipe	A53 Gr.B	Typical
25	M32A	N62A	N60A			RIGID	None	None	RIGID	Typical
26	M33A	N60A	N58			RIGID	None	None	RIGID	Typical
27	M34	N72	N68C			RIGID	None	None	RIGID	Typical
28	M35B	N67B	N71			RIGID	None	None	RIGID	Typical
29	M39	N68B	N67			RIGID	None	None	RIGID	Typical
30	M42	N89	N88			RIGID	None	None	RIGID	Typical
31	M43	N88	N87A			RIGID	None	None	RIGID	Typical
32	M46	N96	N100			RIGID	None	None	RIGID	Typical
33	M47	N97	N101			RIGID	None	None	RIGID	Typical
34	M48	N93	N92			RIGID	None	None	RIGID	Typical
35	M50	N113	N112			RIGID	None	None	RIGID	Typical
36	M51	N112	N111			RIGID	None	None	RIGID	Typical
37	M52	N116	N115			RIGID	None	None	RIGID	Typical
38	M53	N115	N114			RIGID	None	None	RIGID	Typical
39	M54	N126	N122			RIGID	None	None	RIGID	Typical
40	M55	N121	N125			RIGID	None	None	RIGID	Typical
41	M56	N123	N127			RIGID	None	None	RIGID	Typical
42	M57	N124	N128			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
43	M58	N120	N119			RIGID	None	None	RIGID	Typical
44	M59	N118	N117			RIGID	None	None	RIGID	Typical
45	M66A	N151A	N152A			RIGID	None	None	RIGID	Typical
46	P6B	N153A	N154A			Mount Pipe	Column	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	FACEB						Yes				None
2	M7						Yes	** NA **			None
3	M8						Yes	** NA **			None
4	M9						Yes	** NA **			None
5	M11						Yes	** NA **			None
6	M12						Yes	** NA **			None
7	MP1B						Yes	** NA **			None
8	MP5B						Yes	** NA **			None
9	MP4B						Yes	** NA **			None
10	MP3B						Yes	** NA **			None
11	MP2B						Yes	** NA **			None
12	FACEA						Yes				None
13	M32						Yes	** NA **			None
14	M33						Yes	** NA **			None
15	M35A						Yes	** NA **			None
16	M36A						Yes	** NA **			None
17	M37A						Yes	** NA **			None
18	MP1A						Yes	** NA **			None
19	MP5A						Yes	** NA **			None
20	MP4A						Yes	** NA **			None
21	MP2A						Yes	** NA **			None
22	MP6B						Yes	** NA **			None
23	M44						Yes	** NA **			None
24	MP3A						Yes	** NA **			None
25	M32A						Yes	** NA **			None
26	M33A						Yes	** NA **			None
27	M34						Yes	** NA **			None
28	M35B						Yes	** NA **			None
29	M39						Yes	** NA **			None
30	M42						Yes	** NA **			None
31	M43						Yes	** NA **			None
32	M46						Yes	** NA **			None
33	M47						Yes	** NA **			None
34	M48						Yes	** NA **			None
35	M50						Yes	** NA **			None
36	M51						Yes	** NA **			None
37	M52						Yes	** NA **			None
38	M53						Yes	** NA **			None
39	M54						Yes	** NA **			None
40	M55						Yes	** NA **			None
41	M56						Yes	** NA **			None
42	M57						Yes	** NA **			None
43	M58						Yes	** NA **			None
44	M59						Yes	** NA **			None
45	M66A						Yes	** NA **			None
46	P6B						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	Y	-23	1
2	MP2B	My	.017	1
3	MP2B	Mz	-.009	1
4	MP2B	Y	-23	5
5	MP2B	My	.017	5
6	MP2B	Mz	-.009	5
7	MP2B	Y	-23	1
8	MP2B	My	-.013	1
9	MP2B	Mz	-.014	1
10	MP2B	Y	-23	5
11	MP2B	My	-.013	5
12	MP2B	Mz	-.014	5
13	MP3A	Y	-23	1
14	MP3A	My	.001	1
15	MP3A	Mz	.019	1
16	MP3A	Y	-23	5
17	MP3A	My	.001	5
18	MP3A	Mz	.019	5
19	MP3A	Y	-23	1
20	MP3A	My	-.019	1
21	MP3A	Mz	-.004	1
22	MP3A	Y	-23	5
23	MP3A	My	-.019	5
24	MP3A	Mz	-.004	5
25	MP1A	Y	-10.5	1
26	MP1A	My	-.005	1
27	MP1A	Mz	.002	1
28	MP1A	Y	-10.5	5
29	MP1A	My	-.005	5
30	MP1A	Mz	.002	5
31	MP1B	Y	-10.5	1
32	MP1B	My	-.003	1
33	MP1B	Mz	-.005	1
34	MP1B	Y	-10.5	5
35	MP1B	My	-.003	5
36	MP1B	Mz	-.005	5
37	MP5A	Y	-10.5	1
38	MP5A	My	-.005	1
39	MP5A	Mz	.002	1
40	MP5A	Y	-10.5	5
41	MP5A	My	-.005	5
42	MP5A	Mz	.002	5
43	MP5B	Y	-10.5	1
44	MP5B	My	-.003	1
45	MP5B	Mz	-.005	1
46	MP5B	Y	-10.5	5
47	MP5B	My	-.003	5
48	MP5B	Mz	-.005	5
49	MP2A	Y	-74.7	3
50	MP2A	My	-.029	3
51	MP2A	Mz	.024	3
52	MP2B	Y	-74.7	3
53	MP2B	My	.006	3
54	MP2B	Mz	-.037	3
55	MP4A	Y	-87.1	3
56	MP4A	My	-.033	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP4A	Mz	.028	3
58	MP4B	Y	-87.1	3
59	MP4B	My	.008	3
60	MP4B	Mz	-.043	3
61	MP3A	Y	-70.3	2
62	MP3A	My	-.027	2
63	MP3A	Mz	.023	2
64	MP3B	Y	-70.3	2
65	MP3B	My	.006	2
66	MP3B	Mz	-.035	2
67	MP4A	Y	-32	1
68	MP4A	My	-.012	1
69	MP4A	Mz	.01	1
70	MP3A	Y	-17.6	4
71	MP3A	My	.001	4
72	MP3A	Mz	.011	4
73	MP3A	Y	-17.6	4
74	MP3A	My	-.01	4
75	MP3A	Mz	-.003	4

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	Y	-94.541	1
2	MP2B	My	.07	1
3	MP2B	Mz	-.036	1
4	MP2B	Y	-94.541	5
5	MP2B	My	.07	5
6	MP2B	Mz	-.036	5
7	MP2B	Y	-94.541	1
8	MP2B	My	-.054	1
9	MP2B	Mz	-.057	1
10	MP2B	Y	-94.541	5
11	MP2B	My	-.054	5
12	MP2B	Mz	-.057	5
13	MP3A	Y	-94.541	1
14	MP3A	My	.004	1
15	MP3A	Mz	.079	1
16	MP3A	Y	-94.541	5
17	MP3A	My	.004	5
18	MP3A	Mz	.079	5
19	MP3A	Y	-94.541	1
20	MP3A	My	-.077	1
21	MP3A	Mz	-.018	1
22	MP3A	Y	-94.541	5
23	MP3A	My	-.077	5
24	MP3A	Mz	-.018	5
25	MP1A	Y	-68.127	1
26	MP1A	My	-.031	1
27	MP1A	Mz	.014	1
28	MP1A	Y	-68.127	5
29	MP1A	My	-.031	5
30	MP1A	Mz	.014	5
31	MP1B	Y	-68.127	1
32	MP1B	My	-.017	1
33	MP1B	Mz	-.029	1
34	MP1B	Y	-68.127	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP1B	My	-.017	5
36	MP1B	Mz	-.029	5
37	MP5A	Y	-68.127	1
38	MP5A	My	-.031	1
39	MP5A	Mz	.014	1
40	MP5A	Y	-68.127	5
41	MP5A	My	-.031	5
42	MP5A	Mz	.014	5
43	MP5B	Y	-68.127	1
44	MP5B	My	-.017	1
45	MP5B	Mz	-.029	1
46	MP5B	Y	-68.127	5
47	MP5B	My	-.017	5
48	MP5B	Mz	-.029	5
49	MP2A	Y	-51.802	3
50	MP2A	My	-.02	3
51	MP2A	Mz	.017	3
52	MP2B	Y	-51.802	3
53	MP2B	My	.004	3
54	MP2B	Mz	-.026	3
55	MP4A	Y	-81.997	3
56	MP4A	My	-.031	3
57	MP4A	Mz	.026	3
58	MP4B	Y	-81.997	3
59	MP4B	My	.007	3
60	MP4B	Mz	-.04	3
61	MP3A	Y	-49.355	2
62	MP3A	My	-.019	2
63	MP3A	Mz	.016	2
64	MP3B	Y	-49.355	2
65	MP3B	My	.004	2
66	MP3B	Mz	-.024	2
67	MP4A	Y	-100.955	1
68	MP4A	My	-.039	1
69	MP4A	Mz	.032	1
70	MP3A	Y	6.6	4
71	MP3A	My	-.000436	4
72	MP3A	Mz	-.004	4
73	MP3A	Y	6.6	4
74	MP3A	My	.004	4
75	MP3A	Mz	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	1
2	MP2B	Z	-84.42	1
3	MP2B	Mx	.032	1
4	MP2B	X	0	5
5	MP2B	Z	-84.42	5
6	MP2B	Mx	.032	5
7	MP2B	X	0	1
8	MP2B	Z	-84.42	1
9	MP2B	Mx	.051	1
10	MP2B	X	0	5
11	MP2B	Z	-84.42	5
12	MP2B	Mx	.051	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3A	X	0	1
14	MP3A	Z	-100.059	1
15	MP3A	Mx	-.083	1
16	MP3A	X	0	5
17	MP3A	Z	-100.059	5
18	MP3A	Mx	-.083	5
19	MP3A	X	0	1
20	MP3A	Z	-100.059	1
21	MP3A	Mx	.019	1
22	MP3A	X	0	5
23	MP3A	Z	-100.059	5
24	MP3A	Mx	.019	5
25	MP1A	X	0	1
26	MP1A	Z	-162.677	1
27	MP1A	Mx	-.034	1
28	MP1A	X	0	5
29	MP1A	Z	-162.677	5
30	MP1A	Mx	-.034	5
31	MP1B	X	0	1
32	MP1B	Z	-150.649	1
33	MP1B	Mx	.065	1
34	MP1B	X	0	5
35	MP1B	Z	-150.649	5
36	MP1B	Mx	.065	5
37	MP5A	X	0	1
38	MP5A	Z	-162.677	1
39	MP5A	Mx	-.034	1
40	MP5A	X	0	5
41	MP5A	Z	-162.677	5
42	MP5A	Mx	-.034	5
43	MP5B	X	0	1
44	MP5B	Z	-150.649	1
45	MP5B	Mx	.065	1
46	MP5B	X	0	5
47	MP5B	Z	-150.649	5
48	MP5B	Mx	.065	5
49	MP2A	X	0	3
50	MP2A	Z	-63.236	3
51	MP2A	Mx	-.02	3
52	MP2B	X	0	3
53	MP2B	Z	-49.831	3
54	MP2B	Mx	.025	3
55	MP4A	X	0	3
56	MP4A	Z	-134.95	3
57	MP4A	Mx	-.043	3
58	MP4B	X	0	3
59	MP4B	Z	-67.401	3
60	MP4B	Mx	.033	3
61	MP3A	X	0	2
62	MP3A	Z	-61.285	2
63	MP3A	Mx	-.02	2
64	MP3B	X	0	2
65	MP3B	Z	-45.252	2
66	MP3B	Mx	.022	2
67	MP4A	X	0	1
68	MP4A	Z	-134.849	1
69	MP4A	Mx	-.043	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP3A	X	0	4
71	MP3A	Z	-45.452	4
72	MP3A	Mx	-.027	4
73	MP3A	X	0	4
74	MP3A	Z	-45.452	4
75	MP3A	Mx	.008	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	43.43	1
2	MP2B	Z	-75.222	1
3	MP2B	Mx	.061	1
4	MP2B	X	43.43	5
5	MP2B	Z	-75.222	5
6	MP2B	Mx	.061	5
7	MP2B	X	43.43	1
8	MP2B	Z	-75.222	1
9	MP2B	Mx	.021	1
10	MP2B	X	43.43	5
11	MP2B	Z	-75.222	5
12	MP2B	Mx	.021	5
13	MP3A	X	43.43	1
14	MP3A	Z	-75.222	1
15	MP3A	Mx	-.061	1
16	MP3A	X	43.43	5
17	MP3A	Z	-75.222	5
18	MP3A	Mx	-.061	5
19	MP3A	X	43.43	1
20	MP3A	Z	-75.222	1
21	MP3A	Mx	-.021	1
22	MP3A	X	43.43	5
23	MP3A	Z	-75.222	5
24	MP3A	Mx	-.021	5
25	MP1A	X	76.156	1
26	MP1A	Z	-131.906	1
27	MP1A	Mx	-.062	1
28	MP1A	X	76.156	5
29	MP1A	Z	-131.906	5
30	MP1A	Mx	-.062	5
31	MP1B	X	80.587	1
32	MP1B	Z	-139.581	1
33	MP1B	Mx	.04	1
34	MP1B	X	80.587	5
35	MP1B	Z	-139.581	5
36	MP1B	Mx	.04	5
37	MP5A	X	76.156	1
38	MP5A	Z	-131.906	1
39	MP5A	Mx	-.062	1
40	MP5A	X	76.156	5
41	MP5A	Z	-131.906	5
42	MP5A	Mx	-.062	5
43	MP5B	X	80.587	1
44	MP5B	Z	-139.581	1
45	MP5B	Mx	.04	1
46	MP5B	X	80.587	5
47	MP5B	Z	-139.581	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP5B	Mx	.04	5
49	MP2A	X	25.961	3
50	MP2A	Z	-44.966	3
51	MP2A	Mx	-.024	3
52	MP2B	X	25.961	3
53	MP2B	Z	-44.966	3
54	MP2B	Mx	.024	3
55	MP4A	X	38.968	3
56	MP4A	Z	-67.495	3
57	MP4A	Mx	-.037	3
58	MP4B	X	38.968	3
59	MP4B	Z	-67.495	3
60	MP4B	Mx	.037	3
61	MP3A	X	23.876	2
62	MP3A	Z	-41.355	2
63	MP3A	Mx	-.022	2
64	MP3B	X	23.876	2
65	MP3B	Z	-41.355	2
66	MP3B	Mx	.022	2
67	MP4A	X	58.994	1
68	MP4A	Z	-102.181	1
69	MP4A	Mx	-.055	1
70	MP3A	X	22.797	4
71	MP3A	Z	-39.485	4
72	MP3A	Mx	-.022	4
73	MP3A	X	22.797	4
74	MP3A	Z	-39.485	4
75	MP3A	Mx	-.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	86.653	1
2	MP2B	Z	-50.029	1
3	MP2B	Mx	.083	1
4	MP2B	X	86.653	5
5	MP2B	Z	-50.029	5
6	MP2B	Mx	.083	5
7	MP2B	X	86.653	1
8	MP2B	Z	-50.029	1
9	MP2B	Mx	-.019	1
10	MP2B	X	86.653	5
11	MP2B	Z	-50.029	5
12	MP2B	Mx	-.019	5
13	MP3A	X	73.11	1
14	MP3A	Z	-42.21	1
15	MP3A	Mx	-.032	1
16	MP3A	X	73.11	5
17	MP3A	Z	-42.21	5
18	MP3A	Mx	-.032	5
19	MP3A	X	73.11	1
20	MP3A	Z	-42.21	1
21	MP3A	Mx	-.051	1
22	MP3A	X	73.11	5
23	MP3A	Z	-42.21	5
24	MP3A	Mx	-.051	5
25	MP1A	X	126.047	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP1A	Z	-72.773	1
27	MP1A	Mx	-.072	1
28	MP1A	X	126.047	5
29	MP1A	Z	-72.773	5
30	MP1A	Mx	-.072	5
31	MP1B	X	144.139	1
32	MP1B	Z	-83.219	1
33	MP1B	Mx	0	1
34	MP1B	X	144.139	5
35	MP1B	Z	-83.219	5
36	MP1B	Mx	0	5
37	MP5A	X	126.047	1
38	MP5A	Z	-72.773	1
39	MP5A	Mx	-.072	1
40	MP5A	X	126.047	5
41	MP5A	Z	-72.773	5
42	MP5A	Mx	-.072	5
43	MP5B	X	144.139	1
44	MP5B	Z	-83.219	1
45	MP5B	Mx	0	1
46	MP5B	X	144.139	5
47	MP5B	Z	-83.219	5
48	MP5B	Mx	0	5
49	MP2A	X	43.155	3
50	MP2A	Z	-24.915	3
51	MP2A	Mx	-.025	3
52	MP2B	X	54.764	3
53	MP2B	Z	-31.618	3
54	MP2B	Mx	.02	3
55	MP4A	X	58.371	3
56	MP4A	Z	-33.7	3
57	MP4A	Mx	-.033	3
58	MP4B	X	116.871	3
59	MP4B	Z	-67.475	3
60	MP4B	Mx	.043	3
61	MP3A	X	39.189	2
62	MP3A	Z	-22.626	2
63	MP3A	Mx	-.022	2
64	MP3B	X	53.074	2
65	MP3B	Z	-30.642	2
66	MP3B	Mx	.02	2
67	MP4A	X	99.483	1
68	MP4A	Z	-57.437	1
69	MP4A	Mx	-.057	1
70	MP3A	X	39.507	4
71	MP3A	Z	-22.81	4
72	MP3A	Mx	-.011	4
73	MP3A	X	39.507	4
74	MP3A	Z	-22.81	4
75	MP3A	Mx	-.019	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	110.819	1
2	MP2B	Z	0	1
3	MP2B	Mx	.082	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2B	X	110.819	5
5	MP2B	Z	0	5
6	MP2B	Mx	.082	5
7	MP2B	X	110.819	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.063	1
10	MP2B	X	110.819	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.063	5
13	MP3A	X	95.18	1
14	MP3A	Z	0	1
15	MP3A	Mx	.004	1
16	MP3A	X	95.18	5
17	MP3A	Z	0	5
18	MP3A	Mx	.004	5
19	MP3A	X	95.18	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.077	1
22	MP3A	X	95.18	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.077	5
25	MP1A	X	149.146	1
26	MP1A	Z	0	1
27	MP1A	Mx	-.068	1
28	MP1A	X	149.146	5
29	MP1A	Z	0	5
30	MP1A	Mx	-.068	5
31	MP1B	X	161.175	1
32	MP1B	Z	0	1
33	MP1B	Mx	-.04	1
34	MP1B	X	161.175	5
35	MP1B	Z	0	5
36	MP1B	Mx	-.04	5
37	MP5A	X	149.146	1
38	MP5A	Z	0	1
39	MP5A	Mx	-.068	1
40	MP5A	X	149.146	5
41	MP5A	Z	0	5
42	MP5A	Mx	-.068	5
43	MP5B	X	161.175	1
44	MP5B	Z	0	1
45	MP5B	Mx	-.04	1
46	MP5B	X	161.175	5
47	MP5B	Z	0	5
48	MP5B	Mx	-.04	5
49	MP2A	X	59.054	3
50	MP2A	Z	0	3
51	MP2A	Mx	-.023	3
52	MP2B	X	72.459	3
53	MP2B	Z	0	3
54	MP2B	Mx	.006	3
55	MP4A	X	113.879	3
56	MP4A	Z	0	3
57	MP4A	Mx	-.044	3
58	MP4B	X	181.429	3
59	MP4B	Z	0	3
60	MP4B	Mx	.016	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3A	X	56.283	2
62	MP3A	Z	0	2
63	MP3A	Mx	-.022	2
64	MP3B	X	72.317	2
65	MP3B	Z	0	2
66	MP3B	Mx	.006	2
67	MP4A	X	128.618	1
68	MP4A	Z	0	1
69	MP4A	Mx	-.049	1
70	MP3A	X	45.504	4
71	MP3A	Z	0	4
72	MP3A	Mx	.003	4
73	MP3A	X	45.504	4
74	MP3A	Z	0	4
75	MP3A	Mx	-.026	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	93.86	1
2	MP2B	Z	54.19	1
3	MP2B	Mx	.049	1
4	MP2B	X	93.86	5
5	MP2B	Z	54.19	5
6	MP2B	Mx	.049	5
7	MP2B	X	93.86	1
8	MP2B	Z	54.19	1
9	MP2B	Mx	-.086	1
10	MP2B	X	93.86	5
11	MP2B	Z	54.19	5
12	MP2B	Mx	-.086	5
13	MP3A	X	93.86	1
14	MP3A	Z	54.19	1
15	MP3A	Mx	.049	1
16	MP3A	X	93.86	5
17	MP3A	Z	54.19	5
18	MP3A	Mx	.049	5
19	MP3A	X	93.86	1
20	MP3A	Z	54.19	1
21	MP3A	Mx	-.086	1
22	MP3A	X	93.86	5
23	MP3A	Z	54.19	5
24	MP3A	Mx	-.086	5
25	MP1A	X	138.141	1
26	MP1A	Z	79.756	1
27	MP1A	Mx	-.046	1
28	MP1A	X	138.141	5
29	MP1A	Z	79.756	5
30	MP1A	Mx	-.046	5
31	MP1B	X	130.466	1
32	MP1B	Z	75.325	1
33	MP1B	Mx	-.065	1
34	MP1B	X	130.466	5
35	MP1B	Z	75.325	5
36	MP1B	Mx	-.065	5
37	MP5A	X	138.141	1
38	MP5A	Z	79.756	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP5A	Mx	-.046	1
40	MP5A	X	138.141	5
41	MP5A	Z	79.756	5
42	MP5A	Mx	-.046	5
43	MP5B	X	130.466	1
44	MP5B	Z	75.325	1
45	MP5B	Mx	-.065	1
46	MP5B	X	130.466	5
47	MP5B	Z	75.325	5
48	MP5B	Mx	-.065	5
49	MP2A	X	60.941	3
50	MP2A	Z	35.184	3
51	MP2A	Mx	-.012	3
52	MP2B	X	60.941	3
53	MP2B	Z	35.184	3
54	MP2B	Mx	-.012	3
55	MP4A	X	147.998	3
56	MP4A	Z	85.446	3
57	MP4A	Mx	-.029	3
58	MP4B	X	147.998	3
59	MP4B	Z	85.446	3
60	MP4B	Mx	-.029	3
61	MP3A	X	60.462	2
62	MP3A	Z	34.908	2
63	MP3A	Mx	-.012	2
64	MP3B	X	60.462	2
65	MP3B	Z	34.908	2
66	MP3B	Mx	-.012	2
67	MP4A	X	125.987	1
68	MP4A	Z	72.739	1
69	MP4A	Mx	-.025	1
70	MP3A	X	39.285	4
71	MP3A	Z	22.681	4
72	MP3A	Mx	.016	4
73	MP3A	X	39.285	4
74	MP3A	Z	22.681	4
75	MP3A	Mx	-.026	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	47.59	1
2	MP2B	Z	82.429	1
3	MP2B	Mx	.004	1
4	MP2B	X	47.59	5
5	MP2B	Z	82.429	5
6	MP2B	Mx	.004	5
7	MP2B	X	47.59	1
8	MP2B	Z	82.429	1
9	MP2B	Mx	-.077	1
10	MP2B	X	47.59	5
11	MP2B	Z	82.429	5
12	MP2B	Mx	-.077	5
13	MP3A	X	55.41	1
14	MP3A	Z	95.972	1
15	MP3A	Mx	.082	1
16	MP3A	X	55.41	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3A	Z	95.972	5
18	MP3A	Mx	.082	5
19	MP3A	X	55.41	1
20	MP3A	Z	95.972	1
21	MP3A	Mx	-.063	1
22	MP3A	X	55.41	5
23	MP3A	Z	95.972	5
24	MP3A	Mx	-.063	5
25	MP1A	X	83.139	1
26	MP1A	Z	144	1
27	MP1A	Mx	-.007	1
28	MP1A	X	83.139	5
29	MP1A	Z	144	5
30	MP1A	Mx	-.007	5
31	MP1B	X	72.693	1
32	MP1B	Z	125.908	1
33	MP1B	Mx	-.073	1
34	MP1B	X	72.693	5
35	MP1B	Z	125.908	5
36	MP1B	Mx	-.073	5
37	MP5A	X	83.139	1
38	MP5A	Z	144	1
39	MP5A	Mx	-.007	1
40	MP5A	X	83.139	5
41	MP5A	Z	144	5
42	MP5A	Mx	-.007	5
43	MP5B	X	72.693	1
44	MP5B	Z	125.908	1
45	MP5B	Mx	-.073	1
46	MP5B	X	72.693	5
47	MP5B	Z	125.908	5
48	MP5B	Mx	-.073	5
49	MP2A	X	36.23	3
50	MP2A	Z	62.751	3
51	MP2A	Mx	.006	3
52	MP2B	X	29.527	3
53	MP2B	Z	51.142	3
54	MP2B	Mx	-.023	3
55	MP4A	X	90.714	3
56	MP4A	Z	157.122	3
57	MP4A	Mx	.016	3
58	MP4B	X	56.939	3
59	MP4B	Z	98.622	3
60	MP4B	Mx	-.044	3
61	MP3A	X	36.158	2
62	MP3A	Z	62.628	2
63	MP3A	Mx	.006	2
64	MP3B	X	28.142	2
65	MP3B	Z	48.743	2
66	MP3B	Mx	-.022	2
67	MP4A	X	74.297	1
68	MP4A	Z	128.686	1
69	MP4A	Mx	.013	1
70	MP3A	X	22.668	4
71	MP3A	Z	39.263	4
72	MP3A	Mx	.025	4
73	MP3A	X	22.668	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3A	Z	39.263	4
75	MP3A	Mx	-.02	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	1
2	MP2B	Z	84.42	1
3	MP2B	Mx	-.032	1
4	MP2B	X	0	5
5	MP2B	Z	84.42	5
6	MP2B	Mx	-.032	5
7	MP2B	X	0	1
8	MP2B	Z	84.42	1
9	MP2B	Mx	-.051	1
10	MP2B	X	0	5
11	MP2B	Z	84.42	5
12	MP2B	Mx	-.051	5
13	MP3A	X	0	1
14	MP3A	Z	100.059	1
15	MP3A	Mx	.083	1
16	MP3A	X	0	5
17	MP3A	Z	100.059	5
18	MP3A	Mx	.083	5
19	MP3A	X	0	1
20	MP3A	Z	100.059	1
21	MP3A	Mx	-.019	1
22	MP3A	X	0	5
23	MP3A	Z	100.059	5
24	MP3A	Mx	-.019	5
25	MP1A	X	0	1
26	MP1A	Z	162.677	1
27	MP1A	Mx	.034	1
28	MP1A	X	0	5
29	MP1A	Z	162.677	5
30	MP1A	Mx	.034	5
31	MP1B	X	0	1
32	MP1B	Z	150.649	1
33	MP1B	Mx	-.065	1
34	MP1B	X	0	5
35	MP1B	Z	150.649	5
36	MP1B	Mx	-.065	5
37	MP5A	X	0	1
38	MP5A	Z	162.677	1
39	MP5A	Mx	.034	1
40	MP5A	X	0	5
41	MP5A	Z	162.677	5
42	MP5A	Mx	.034	5
43	MP5B	X	0	1
44	MP5B	Z	150.649	1
45	MP5B	Mx	-.065	1
46	MP5B	X	0	5
47	MP5B	Z	150.649	5
48	MP5B	Mx	-.065	5
49	MP2A	X	0	3
50	MP2A	Z	63.236	3
51	MP2A	Mx	.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP2B	X	0	3
53	MP2B	Z	49.831	3
54	MP2B	Mx	-.025	3
55	MP4A	X	0	3
56	MP4A	Z	134.95	3
57	MP4A	Mx	.043	3
58	MP4B	X	0	3
59	MP4B	Z	67.401	3
60	MP4B	Mx	-.033	3
61	MP3A	X	0	2
62	MP3A	Z	61.285	2
63	MP3A	Mx	.02	2
64	MP3B	X	0	2
65	MP3B	Z	45.252	2
66	MP3B	Mx	-.022	2
67	MP4A	X	0	1
68	MP4A	Z	134.849	1
69	MP4A	Mx	.043	1
70	MP3A	X	0	4
71	MP3A	Z	45.452	4
72	MP3A	Mx	.027	4
73	MP3A	X	0	4
74	MP3A	Z	45.452	4
75	MP3A	Mx	-.008	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-43.43	1
2	MP2B	Z	75.222	1
3	MP2B	Mx	-.061	1
4	MP2B	X	-43.43	5
5	MP2B	Z	75.222	5
6	MP2B	Mx	-.061	5
7	MP2B	X	-43.43	1
8	MP2B	Z	75.222	1
9	MP2B	Mx	-.021	1
10	MP2B	X	-43.43	5
11	MP2B	Z	75.222	5
12	MP2B	Mx	-.021	5
13	MP3A	X	-43.43	1
14	MP3A	Z	75.222	1
15	MP3A	Mx	.061	1
16	MP3A	X	-43.43	5
17	MP3A	Z	75.222	5
18	MP3A	Mx	.061	5
19	MP3A	X	-43.43	1
20	MP3A	Z	75.222	1
21	MP3A	Mx	.021	1
22	MP3A	X	-43.43	5
23	MP3A	Z	75.222	5
24	MP3A	Mx	.021	5
25	MP1A	X	-76.156	1
26	MP1A	Z	131.906	1
27	MP1A	Mx	.062	1
28	MP1A	X	-76.156	5
29	MP1A	Z	131.906	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP1A	Mx	.062	5
31	MP1B	X	-80.587	1
32	MP1B	Z	139.581	1
33	MP1B	Mx	-.04	1
34	MP1B	X	-80.587	5
35	MP1B	Z	139.581	5
36	MP1B	Mx	-.04	5
37	MP5A	X	-76.156	1
38	MP5A	Z	131.906	1
39	MP5A	Mx	.062	1
40	MP5A	X	-76.156	5
41	MP5A	Z	131.906	5
42	MP5A	Mx	.062	5
43	MP5B	X	-80.587	1
44	MP5B	Z	139.581	1
45	MP5B	Mx	-.04	1
46	MP5B	X	-80.587	5
47	MP5B	Z	139.581	5
48	MP5B	Mx	-.04	5
49	MP2A	X	-25.961	3
50	MP2A	Z	44.966	3
51	MP2A	Mx	.024	3
52	MP2B	X	-25.961	3
53	MP2B	Z	44.966	3
54	MP2B	Mx	-.024	3
55	MP4A	X	-38.968	3
56	MP4A	Z	67.495	3
57	MP4A	Mx	.037	3
58	MP4B	X	-38.968	3
59	MP4B	Z	67.495	3
60	MP4B	Mx	-.037	3
61	MP3A	X	-23.876	2
62	MP3A	Z	41.355	2
63	MP3A	Mx	.022	2
64	MP3B	X	-23.876	2
65	MP3B	Z	41.355	2
66	MP3B	Mx	-.022	2
67	MP4A	X	-58.994	1
68	MP4A	Z	102.181	1
69	MP4A	Mx	.055	1
70	MP3A	X	-22.797	4
71	MP3A	Z	39.485	4
72	MP3A	Mx	.022	4
73	MP3A	X	-22.797	4
74	MP3A	Z	39.485	4
75	MP3A	Mx	.006	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-86.653	1
2	MP2B	Z	50.029	1
3	MP2B	Mx	-.083	1
4	MP2B	X	-86.653	5
5	MP2B	Z	50.029	5
6	MP2B	Mx	-.083	5
7	MP2B	X	-86.653	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP2B	Z	50.029	1
9	MP2B	Mx	.019	1
10	MP2B	X	-86.653	5
11	MP2B	Z	50.029	5
12	MP2B	Mx	.019	5
13	MP3A	X	-73.11	1
14	MP3A	Z	42.21	1
15	MP3A	Mx	.032	1
16	MP3A	X	-73.11	5
17	MP3A	Z	42.21	5
18	MP3A	Mx	.032	5
19	MP3A	X	-73.11	1
20	MP3A	Z	42.21	1
21	MP3A	Mx	.051	1
22	MP3A	X	-73.11	5
23	MP3A	Z	42.21	5
24	MP3A	Mx	.051	5
25	MP1A	X	-126.047	1
26	MP1A	Z	72.773	1
27	MP1A	Mx	.072	1
28	MP1A	X	-126.047	5
29	MP1A	Z	72.773	5
30	MP1A	Mx	.072	5
31	MP1B	X	-144.139	1
32	MP1B	Z	83.219	1
33	MP1B	Mx	0	1
34	MP1B	X	-144.139	5
35	MP1B	Z	83.219	5
36	MP1B	Mx	0	5
37	MP5A	X	-126.047	1
38	MP5A	Z	72.773	1
39	MP5A	Mx	.072	1
40	MP5A	X	-126.047	5
41	MP5A	Z	72.773	5
42	MP5A	Mx	.072	5
43	MP5B	X	-144.139	1
44	MP5B	Z	83.219	1
45	MP5B	Mx	0	1
46	MP5B	X	-144.139	5
47	MP5B	Z	83.219	5
48	MP5B	Mx	0	5
49	MP2A	X	-43.155	3
50	MP2A	Z	24.915	3
51	MP2A	Mx	.025	3
52	MP2B	X	-54.764	3
53	MP2B	Z	31.618	3
54	MP2B	Mx	-.02	3
55	MP4A	X	-58.371	3
56	MP4A	Z	33.7	3
57	MP4A	Mx	.033	3
58	MP4B	X	-116.871	3
59	MP4B	Z	67.475	3
60	MP4B	Mx	-.043	3
61	MP3A	X	-39.189	2
62	MP3A	Z	22.626	2
63	MP3A	Mx	.022	2
64	MP3B	X	-53.074	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP3B	Z	30.642	2
66	MP3B	Mx	-.02	2
67	MP4A	X	-99.483	1
68	MP4A	Z	57.437	1
69	MP4A	Mx	.057	1
70	MP3A	X	-39.507	4
71	MP3A	Z	22.81	4
72	MP3A	Mx	.011	4
73	MP3A	X	-39.507	4
74	MP3A	Z	22.81	4
75	MP3A	Mx	.019	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-110.819	1
2	MP2B	Z	0	1
3	MP2B	Mx	-.082	1
4	MP2B	X	-110.819	5
5	MP2B	Z	0	5
6	MP2B	Mx	-.082	5
7	MP2B	X	-110.819	1
8	MP2B	Z	0	1
9	MP2B	Mx	.063	1
10	MP2B	X	-110.819	5
11	MP2B	Z	0	5
12	MP2B	Mx	.063	5
13	MP3A	X	-95.18	1
14	MP3A	Z	0	1
15	MP3A	Mx	-.004	1
16	MP3A	X	-95.18	5
17	MP3A	Z	0	5
18	MP3A	Mx	-.004	5
19	MP3A	X	-95.18	1
20	MP3A	Z	0	1
21	MP3A	Mx	.077	1
22	MP3A	X	-95.18	5
23	MP3A	Z	0	5
24	MP3A	Mx	.077	5
25	MP1A	X	-149.146	1
26	MP1A	Z	0	1
27	MP1A	Mx	.068	1
28	MP1A	X	-149.146	5
29	MP1A	Z	0	5
30	MP1A	Mx	.068	5
31	MP1B	X	-161.175	1
32	MP1B	Z	0	1
33	MP1B	Mx	.04	1
34	MP1B	X	-161.175	5
35	MP1B	Z	0	5
36	MP1B	Mx	.04	5
37	MP5A	X	-149.146	1
38	MP5A	Z	0	1
39	MP5A	Mx	.068	1
40	MP5A	X	-149.146	5
41	MP5A	Z	0	5
42	MP5A	Mx	.068	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP5B	X	-161.175	1
44	MP5B	Z	0	1
45	MP5B	Mx	.04	1
46	MP5B	X	-161.175	5
47	MP5B	Z	0	5
48	MP5B	Mx	.04	5
49	MP2A	X	-59.054	3
50	MP2A	Z	0	3
51	MP2A	Mx	.023	3
52	MP2B	X	-72.459	3
53	MP2B	Z	0	3
54	MP2B	Mx	-.006	3
55	MP4A	X	-113.879	3
56	MP4A	Z	0	3
57	MP4A	Mx	.044	3
58	MP4B	X	-181.429	3
59	MP4B	Z	0	3
60	MP4B	Mx	-.016	3
61	MP3A	X	-56.283	2
62	MP3A	Z	0	2
63	MP3A	Mx	.022	2
64	MP3B	X	-72.317	2
65	MP3B	Z	0	2
66	MP3B	Mx	-.006	2
67	MP4A	X	-128.618	1
68	MP4A	Z	0	1
69	MP4A	Mx	.049	1
70	MP3A	X	-45.504	4
71	MP3A	Z	0	4
72	MP3A	Mx	-.003	4
73	MP3A	X	-45.504	4
74	MP3A	Z	0	4
75	MP3A	Mx	.026	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-93.86	1
2	MP2B	Z	-54.19	1
3	MP2B	Mx	-.049	1
4	MP2B	X	-93.86	5
5	MP2B	Z	-54.19	5
6	MP2B	Mx	-.049	5
7	MP2B	X	-93.86	1
8	MP2B	Z	-54.19	1
9	MP2B	Mx	.086	1
10	MP2B	X	-93.86	5
11	MP2B	Z	-54.19	5
12	MP2B	Mx	.086	5
13	MP3A	X	-93.86	1
14	MP3A	Z	-54.19	1
15	MP3A	Mx	-.049	1
16	MP3A	X	-93.86	5
17	MP3A	Z	-54.19	5
18	MP3A	Mx	-.049	5
19	MP3A	X	-93.86	1
20	MP3A	Z	-54.19	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP3A	Mx	.086	1
22	MP3A	X	-93.86	5
23	MP3A	Z	-54.19	5
24	MP3A	Mx	.086	5
25	MP1A	X	-138.141	1
26	MP1A	Z	-79.756	1
27	MP1A	Mx	.046	1
28	MP1A	X	-138.141	5
29	MP1A	Z	-79.756	5
30	MP1A	Mx	.046	5
31	MP1B	X	-130.466	1
32	MP1B	Z	-75.325	1
33	MP1B	Mx	.065	1
34	MP1B	X	-130.466	5
35	MP1B	Z	-75.325	5
36	MP1B	Mx	.065	5
37	MP5A	X	-138.141	1
38	MP5A	Z	-79.756	1
39	MP5A	Mx	.046	1
40	MP5A	X	-138.141	5
41	MP5A	Z	-79.756	5
42	MP5A	Mx	.046	5
43	MP5B	X	-130.466	1
44	MP5B	Z	-75.325	1
45	MP5B	Mx	.065	1
46	MP5B	X	-130.466	5
47	MP5B	Z	-75.325	5
48	MP5B	Mx	.065	5
49	MP2A	X	-60.941	3
50	MP2A	Z	-35.184	3
51	MP2A	Mx	.012	3
52	MP2B	X	-60.941	3
53	MP2B	Z	-35.184	3
54	MP2B	Mx	.012	3
55	MP4A	X	-147.998	3
56	MP4A	Z	-85.446	3
57	MP4A	Mx	.029	3
58	MP4B	X	-147.998	3
59	MP4B	Z	-85.446	3
60	MP4B	Mx	.029	3
61	MP3A	X	-60.462	2
62	MP3A	Z	-34.908	2
63	MP3A	Mx	.012	2
64	MP3B	X	-60.462	2
65	MP3B	Z	-34.908	2
66	MP3B	Mx	.012	2
67	MP4A	X	-125.987	1
68	MP4A	Z	-72.739	1
69	MP4A	Mx	.025	1
70	MP3A	X	-39.285	4
71	MP3A	Z	-22.681	4
72	MP3A	Mx	-.016	4
73	MP3A	X	-39.285	4
74	MP3A	Z	-22.681	4
75	MP3A	Mx	.026	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-47.59	1
2	MP2B	Z	-82.429	1
3	MP2B	Mx	-.004	1
4	MP2B	X	-47.59	5
5	MP2B	Z	-82.429	5
6	MP2B	Mx	-.004	5
7	MP2B	X	-47.59	1
8	MP2B	Z	-82.429	1
9	MP2B	Mx	.077	1
10	MP2B	X	-47.59	5
11	MP2B	Z	-82.429	5
12	MP2B	Mx	.077	5
13	MP3A	X	-55.41	1
14	MP3A	Z	-95.972	1
15	MP3A	Mx	-.082	1
16	MP3A	X	-55.41	5
17	MP3A	Z	-95.972	5
18	MP3A	Mx	-.082	5
19	MP3A	X	-55.41	1
20	MP3A	Z	-95.972	1
21	MP3A	Mx	.063	1
22	MP3A	X	-55.41	5
23	MP3A	Z	-95.972	5
24	MP3A	Mx	.063	5
25	MP1A	X	-83.139	1
26	MP1A	Z	-144	1
27	MP1A	Mx	.007	1
28	MP1A	X	-83.139	5
29	MP1A	Z	-144	5
30	MP1A	Mx	.007	5
31	MP1B	X	-72.693	1
32	MP1B	Z	-125.908	1
33	MP1B	Mx	.073	1
34	MP1B	X	-72.693	5
35	MP1B	Z	-125.908	5
36	MP1B	Mx	.073	5
37	MP5A	X	-83.139	1
38	MP5A	Z	-144	1
39	MP5A	Mx	.007	1
40	MP5A	X	-83.139	5
41	MP5A	Z	-144	5
42	MP5A	Mx	.007	5
43	MP5B	X	-72.693	1
44	MP5B	Z	-125.908	1
45	MP5B	Mx	.073	1
46	MP5B	X	-72.693	5
47	MP5B	Z	-125.908	5
48	MP5B	Mx	.073	5
49	MP2A	X	-36.23	3
50	MP2A	Z	-62.751	3
51	MP2A	Mx	-.006	3
52	MP2B	X	-29.527	3
53	MP2B	Z	-51.142	3
54	MP2B	Mx	.023	3
55	MP4A	X	-90.714	3
56	MP4A	Z	-157.122	3
57	MP4A	Mx	-.016	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4B	X	-56.939	3
59	MP4B	Z	-98.622	3
60	MP4B	Mx	.044	3
61	MP3A	X	-36.158	2
62	MP3A	Z	-62.628	2
63	MP3A	Mx	-.006	2
64	MP3B	X	-28.142	2
65	MP3B	Z	-48.743	2
66	MP3B	Mx	.022	2
67	MP4A	X	-74.297	1
68	MP4A	Z	-128.686	1
69	MP4A	Mx	-.013	1
70	MP3A	X	-22.668	4
71	MP3A	Z	-39.263	4
72	MP3A	Mx	-.025	4
73	MP3A	X	-22.668	4
74	MP3A	Z	-39.263	4
75	MP3A	Mx	.02	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	1
2	MP2B	Z	-34.166	1
3	MP2B	Mx	.013	1
4	MP2B	X	0	5
5	MP2B	Z	-34.166	5
6	MP2B	Mx	.013	5
7	MP2B	X	0	1
8	MP2B	Z	-34.166	1
9	MP2B	Mx	.021	1
10	MP2B	X	0	5
11	MP2B	Z	-34.166	5
12	MP2B	Mx	.021	5
13	MP3A	X	0	1
14	MP3A	Z	-40.168	1
15	MP3A	Mx	-.033	1
16	MP3A	X	0	5
17	MP3A	Z	-40.168	5
18	MP3A	Mx	-.033	5
19	MP3A	X	0	1
20	MP3A	Z	-40.168	1
21	MP3A	Mx	.008	1
22	MP3A	X	0	5
23	MP3A	Z	-40.168	5
24	MP3A	Mx	.008	5
25	MP1A	X	0	1
26	MP1A	Z	-31.964	1
27	MP1A	Mx	-.007	1
28	MP1A	X	0	5
29	MP1A	Z	-31.964	5
30	MP1A	Mx	-.007	5
31	MP1B	X	0	1
32	MP1B	Z	-29.956	1
33	MP1B	Mx	.013	1
34	MP1B	X	0	5
35	MP1B	Z	-29.956	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1B	Mx	.013	5
37	MP5A	X	0	1
38	MP5A	Z	-31.964	1
39	MP5A	Mx	-.007	1
40	MP5A	X	0	5
41	MP5A	Z	-31.964	5
42	MP5A	Mx	-.007	5
43	MP5B	X	0	1
44	MP5B	Z	-29.956	1
45	MP5B	Mx	.013	1
46	MP5B	X	0	5
47	MP5B	Z	-29.956	5
48	MP5B	Mx	.013	5
49	MP2A	X	0	3
50	MP2A	Z	-16.439	3
51	MP2A	Mx	-.005	3
52	MP2B	X	0	3
53	MP2B	Z	-13.297	3
54	MP2B	Mx	.007	3
55	MP4A	X	0	3
56	MP4A	Z	-33.817	3
57	MP4A	Mx	-.011	3
58	MP4B	X	0	3
59	MP4B	Z	-19.808	3
60	MP4B	Mx	.01	3
61	MP3A	X	0	2
62	MP3A	Z	-16.019	2
63	MP3A	Mx	-.005	2
64	MP3B	X	0	2
65	MP3B	Z	-12.311	2
66	MP3B	Mx	.006	2
67	MP4A	X	0	1
68	MP4A	Z	-34.905	1
69	MP4A	Mx	-.011	1
70	MP3A	X	0	4
71	MP3A	Z	-6.678	4
72	MP3A	Mx	-.004	4
73	MP3A	X	0	4
74	MP3A	Z	-6.678	4
75	MP3A	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	17.551	1
2	MP2B	Z	-30.399	1
3	MP2B	Mx	.024	1
4	MP2B	X	17.551	5
5	MP2B	Z	-30.399	5
6	MP2B	Mx	.024	5
7	MP2B	X	17.551	1
8	MP2B	Z	-30.399	1
9	MP2B	Mx	.008	1
10	MP2B	X	17.551	5
11	MP2B	Z	-30.399	5
12	MP2B	Mx	.008	5
13	MP3A	X	17.551	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3A	Z	-30.399	1
15	MP3A	Mx	-.024	1
16	MP3A	X	17.551	5
17	MP3A	Z	-30.399	5
18	MP3A	Mx	-.024	5
19	MP3A	X	17.551	1
20	MP3A	Z	-30.399	1
21	MP3A	Mx	-.008	1
22	MP3A	X	17.551	5
23	MP3A	Z	-30.399	5
24	MP3A	Mx	-.008	5
25	MP1A	X	15.117	1
26	MP1A	Z	-26.183	1
27	MP1A	Mx	-.012	1
28	MP1A	X	15.117	5
29	MP1A	Z	-26.183	5
30	MP1A	Mx	-.012	5
31	MP1B	X	15.856	1
32	MP1B	Z	-27.464	1
33	MP1B	Mx	.008	1
34	MP1B	X	15.856	5
35	MP1B	Z	-27.464	5
36	MP1B	Mx	.008	5
37	MP5A	X	15.117	1
38	MP5A	Z	-26.183	1
39	MP5A	Mx	-.012	1
40	MP5A	X	15.117	5
41	MP5A	Z	-26.183	5
42	MP5A	Mx	-.012	5
43	MP5B	X	15.856	1
44	MP5B	Z	-27.464	1
45	MP5B	Mx	.008	1
46	MP5B	X	15.856	5
47	MP5B	Z	-27.464	5
48	MP5B	Mx	.008	5
49	MP2A	X	6.893	3
50	MP2A	Z	-11.94	3
51	MP2A	Mx	-.006	3
52	MP2B	X	6.893	3
53	MP2B	Z	-11.94	3
54	MP2B	Mx	.006	3
55	MP4A	X	10.997	3
56	MP4A	Z	-19.047	3
57	MP4A	Mx	-.01	3
58	MP4B	X	10.997	3
59	MP4B	Z	-19.047	3
60	MP4B	Mx	.01	3
61	MP3A	X	6.445	2
62	MP3A	Z	-11.163	2
63	MP3A	Mx	-.006	2
64	MP3B	X	6.445	2
65	MP3B	Z	-11.163	2
66	MP3B	Mx	.006	2
67	MP4A	X	15.511	1
68	MP4A	Z	-26.865	1
69	MP4A	Mx	-.015	1
70	MP3A	X	4.845	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3A	Z	-8.392	4
72	MP3A	Mx	-.005	4
73	MP3A	X	4.845	4
74	MP3A	Z	-8.392	4
75	MP3A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	34.787	1
2	MP2B	Z	-20.084	1
3	MP2B	Mx	.033	1
4	MP2B	X	34.787	5
5	MP2B	Z	-20.084	5
6	MP2B	Mx	.033	5
7	MP2B	X	34.787	1
8	MP2B	Z	-20.084	1
9	MP2B	Mx	-.008	1
10	MP2B	X	34.787	5
11	MP2B	Z	-20.084	5
12	MP2B	Mx	-.008	5
13	MP3A	X	29.588	1
14	MP3A	Z	-17.083	1
15	MP3A	Mx	-.013	1
16	MP3A	X	29.588	5
17	MP3A	Z	-17.083	5
18	MP3A	Mx	-.013	5
19	MP3A	X	29.588	1
20	MP3A	Z	-17.083	1
21	MP3A	Mx	-.021	1
22	MP3A	X	29.588	5
23	MP3A	Z	-17.083	5
24	MP3A	Mx	-.021	5
25	MP1A	X	25.205	1
26	MP1A	Z	-14.552	1
27	MP1A	Mx	-.014	1
28	MP1A	X	25.205	5
29	MP1A	Z	-14.552	5
30	MP1A	Mx	-.014	5
31	MP1B	X	28.225	1
32	MP1B	Z	-16.296	1
33	MP1B	Mx	0	1
34	MP1B	X	28.225	5
35	MP1B	Z	-16.296	5
36	MP1B	Mx	0	5
37	MP5A	X	25.205	1
38	MP5A	Z	-14.552	1
39	MP5A	Mx	-.014	1
40	MP5A	X	25.205	5
41	MP5A	Z	-14.552	5
42	MP5A	Mx	-.014	5
43	MP5B	X	28.225	1
44	MP5B	Z	-16.296	1
45	MP5B	Mx	0	1
46	MP5B	X	28.225	5
47	MP5B	Z	-16.296	5
48	MP5B	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2A	X	11.515	3
50	MP2A	Z	-6.648	3
51	MP2A	Mx	-.007	3
52	MP2B	X	14.237	3
53	MP2B	Z	-8.219	3
54	MP2B	Mx	.005	3
55	MP4A	X	17.155	3
56	MP4A	Z	-9.904	3
57	MP4A	Mx	-.01	3
58	MP4B	X	29.287	3
59	MP4B	Z	-16.909	3
60	MP4B	Mx	.011	3
61	MP3A	X	10.662	2
62	MP3A	Z	-6.156	2
63	MP3A	Mx	-.006	2
64	MP3B	X	13.873	2
65	MP3B	Z	-8.01	2
66	MP3B	Mx	.005	2
67	MP4A	X	26.243	1
68	MP4A	Z	-15.152	1
69	MP4A	Mx	-.015	1
70	MP3A	X	8.874	4
71	MP3A	Z	-5.124	4
72	MP3A	Mx	-.002	4
73	MP3A	X	8.874	4
74	MP3A	Z	-5.124	4
75	MP3A	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	44.298	1
2	MP2B	Z	0	1
3	MP2B	Mx	.033	1
4	MP2B	X	44.298	5
5	MP2B	Z	0	5
6	MP2B	Mx	.033	5
7	MP2B	X	44.298	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.025	1
10	MP2B	X	44.298	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.025	5
13	MP3A	X	38.296	1
14	MP3A	Z	0	1
15	MP3A	Mx	.002	1
16	MP3A	X	38.296	5
17	MP3A	Z	0	5
18	MP3A	Mx	.002	5
19	MP3A	X	38.296	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.031	1
22	MP3A	X	38.296	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.031	5
25	MP1A	X	29.705	1
26	MP1A	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1A	Mx	-.013	1
28	MP1A	X	29.705	5
29	MP1A	Z	0	5
30	MP1A	Mx	-.013	5
31	MP1B	X	31.713	1
32	MP1B	Z	0	1
33	MP1B	Mx	-.008	1
34	MP1B	X	31.713	5
35	MP1B	Z	0	5
36	MP1B	Mx	-.008	5
37	MP5A	X	29.705	1
38	MP5A	Z	0	1
39	MP5A	Mx	-.013	1
40	MP5A	X	29.705	5
41	MP5A	Z	0	5
42	MP5A	Mx	-.013	5
43	MP5B	X	31.713	1
44	MP5B	Z	0	1
45	MP5B	Mx	-.008	1
46	MP5B	X	31.713	5
47	MP5B	Z	0	5
48	MP5B	Mx	-.008	5
49	MP2A	X	15.459	3
50	MP2A	Z	0	3
51	MP2A	Mx	-.006	3
52	MP2B	X	18.601	3
53	MP2B	Z	0	3
54	MP2B	Mx	.002	3
55	MP4A	X	29.447	3
56	MP4A	Z	0	3
57	MP4A	Mx	-.011	3
58	MP4B	X	43.456	3
59	MP4B	Z	0	3
60	MP4B	Mx	.004	3
61	MP3A	X	14.862	2
62	MP3A	Z	0	2
63	MP3A	Mx	-.006	2
64	MP3B	X	18.57	2
65	MP3B	Z	0	2
66	MP3B	Mx	.002	2
67	MP4A	X	33.469	1
68	MP4A	Z	0	1
69	MP4A	Mx	-.013	1
70	MP3A	X	7.792	4
71	MP3A	Z	0	4
72	MP3A	Mx	.000515	4
73	MP3A	X	7.792	4
74	MP3A	Z	0	4
75	MP3A	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	37.552	1
2	MP2B	Z	21.681	1
3	MP2B	Mx	.02	1
4	MP2B	X	37.552	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2B	Z	21.681	5
6	MP2B	Mx	.02	5
7	MP2B	X	37.552	1
8	MP2B	Z	21.681	1
9	MP2B	Mx	-.035	1
10	MP2B	X	37.552	5
11	MP2B	Z	21.681	5
12	MP2B	Mx	-.035	5
13	MP3A	X	37.552	1
14	MP3A	Z	21.681	1
15	MP3A	Mx	.02	1
16	MP3A	X	37.552	5
17	MP3A	Z	21.681	5
18	MP3A	Mx	.02	5
19	MP3A	X	37.552	1
20	MP3A	Z	21.681	1
21	MP3A	Mx	-.035	1
22	MP3A	X	37.552	5
23	MP3A	Z	21.681	5
24	MP3A	Mx	-.035	5
25	MP1A	X	27.224	1
26	MP1A	Z	15.718	1
27	MP1A	Mx	-.009	1
28	MP1A	X	27.224	5
29	MP1A	Z	15.718	5
30	MP1A	Mx	-.009	5
31	MP1B	X	25.942	1
32	MP1B	Z	14.978	1
33	MP1B	Mx	-.013	1
34	MP1B	X	25.942	5
35	MP1B	Z	14.978	5
36	MP1B	Mx	-.013	5
37	MP5A	X	27.224	1
38	MP5A	Z	15.718	1
39	MP5A	Mx	-.009	1
40	MP5A	X	27.224	5
41	MP5A	Z	15.718	5
42	MP5A	Mx	-.009	5
43	MP5B	X	25.942	1
44	MP5B	Z	14.978	1
45	MP5B	Mx	-.013	1
46	MP5B	X	25.942	5
47	MP5B	Z	14.978	5
48	MP5B	Mx	-.013	5
49	MP2A	X	15.684	3
50	MP2A	Z	9.055	3
51	MP2A	Mx	-.003	3
52	MP2B	X	15.684	3
53	MP2B	Z	9.055	3
54	MP2B	Mx	-.003	3
55	MP4A	X	35.742	3
56	MP4A	Z	20.636	3
57	MP4A	Mx	-.007	3
58	MP4B	X	35.742	3
59	MP4B	Z	20.636	3
60	MP4B	Mx	-.007	3
61	MP3A	X	15.582	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3A	Z	8.996	2
63	MP3A	Mx	-.003	2
64	MP3B	X	15.582	2
65	MP3B	Z	8.996	2
66	MP3B	Mx	-.003	2
67	MP4A	X	32.349	1
68	MP4A	Z	18.677	1
69	MP4A	Mx	-.006	1
70	MP3A	X	4.139	4
71	MP3A	Z	2.39	4
72	MP3A	Mx	.002	4
73	MP3A	X	4.139	4
74	MP3A	Z	2.39	4
75	MP3A	Mx	-.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	19.148	1
2	MP2B	Z	33.165	1
3	MP2B	Mx	.002	1
4	MP2B	X	19.148	5
5	MP2B	Z	33.165	5
6	MP2B	Mx	.002	5
7	MP2B	X	19.148	1
8	MP2B	Z	33.165	1
9	MP2B	Mx	-.031	1
10	MP2B	X	19.148	5
11	MP2B	Z	33.165	5
12	MP2B	Mx	-.031	5
13	MP3A	X	22.149	1
14	MP3A	Z	38.363	1
15	MP3A	Mx	.033	1
16	MP3A	X	22.149	5
17	MP3A	Z	38.363	5
18	MP3A	Mx	.033	5
19	MP3A	X	22.149	1
20	MP3A	Z	38.363	1
21	MP3A	Mx	-.025	1
22	MP3A	X	22.149	5
23	MP3A	Z	38.363	5
24	MP3A	Mx	-.025	5
25	MP1A	X	16.282	1
26	MP1A	Z	28.202	1
27	MP1A	Mx	-.001	1
28	MP1A	X	16.282	5
29	MP1A	Z	28.202	5
30	MP1A	Mx	-.001	5
31	MP1B	X	14.539	1
32	MP1B	Z	25.182	1
33	MP1B	Mx	-.015	1
34	MP1B	X	14.539	5
35	MP1B	Z	25.182	5
36	MP1B	Mx	-.015	5
37	MP5A	X	16.282	1
38	MP5A	Z	28.202	1
39	MP5A	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP5A	X	16.282	5
41	MP5A	Z	28.202	5
42	MP5A	Mx	-.001	5
43	MP5B	X	14.539	1
44	MP5B	Z	25.182	1
45	MP5B	Mx	-.015	1
46	MP5B	X	14.539	5
47	MP5B	Z	25.182	5
48	MP5B	Mx	-.015	5
49	MP2A	X	9.3	3
50	MP2A	Z	16.109	3
51	MP2A	Mx	.002	3
52	MP2B	X	7.729	3
53	MP2B	Z	13.388	3
54	MP2B	Mx	-.006	3
55	MP4A	X	21.728	3
56	MP4A	Z	37.634	3
57	MP4A	Mx	.004	3
58	MP4B	X	14.724	3
59	MP4B	Z	25.502	3
60	MP4B	Mx	-.011	3
61	MP3A	X	9.285	2
62	MP3A	Z	16.082	2
63	MP3A	Mx	.002	2
64	MP3B	X	7.431	2
65	MP3B	Z	12.871	2
66	MP3B	Mx	-.006	2
67	MP4A	X	19.035	1
68	MP4A	Z	32.97	1
69	MP4A	Mx	.003	1
70	MP3A	X	2.111	4
71	MP3A	Z	3.657	4
72	MP3A	Mx	.002	4
73	MP3A	X	2.111	4
74	MP3A	Z	3.657	4
75	MP3A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	1
2	MP2B	Z	34.166	1
3	MP2B	Mx	-.013	1
4	MP2B	X	0	5
5	MP2B	Z	34.166	5
6	MP2B	Mx	-.013	5
7	MP2B	X	0	1
8	MP2B	Z	34.166	1
9	MP2B	Mx	-.021	1
10	MP2B	X	0	5
11	MP2B	Z	34.166	5
12	MP2B	Mx	-.021	5
13	MP3A	X	0	1
14	MP3A	Z	40.168	1
15	MP3A	Mx	.033	1
16	MP3A	X	0	5
17	MP3A	Z	40.168	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3A	Mx	.033	5
19	MP3A	X	0	1
20	MP3A	Z	40.168	1
21	MP3A	Mx	-.008	1
22	MP3A	X	0	5
23	MP3A	Z	40.168	5
24	MP3A	Mx	-.008	5
25	MP1A	X	0	1
26	MP1A	Z	31.964	1
27	MP1A	Mx	.007	1
28	MP1A	X	0	5
29	MP1A	Z	31.964	5
30	MP1A	Mx	.007	5
31	MP1B	X	0	1
32	MP1B	Z	29.956	1
33	MP1B	Mx	-.013	1
34	MP1B	X	0	5
35	MP1B	Z	29.956	5
36	MP1B	Mx	-.013	5
37	MP5A	X	0	1
38	MP5A	Z	31.964	1
39	MP5A	Mx	.007	1
40	MP5A	X	0	5
41	MP5A	Z	31.964	5
42	MP5A	Mx	.007	5
43	MP5B	X	0	1
44	MP5B	Z	29.956	1
45	MP5B	Mx	-.013	1
46	MP5B	X	0	5
47	MP5B	Z	29.956	5
48	MP5B	Mx	-.013	5
49	MP2A	X	0	3
50	MP2A	Z	16.439	3
51	MP2A	Mx	.005	3
52	MP2B	X	0	3
53	MP2B	Z	13.297	3
54	MP2B	Mx	-.007	3
55	MP4A	X	0	3
56	MP4A	Z	33.817	3
57	MP4A	Mx	.011	3
58	MP4B	X	0	3
59	MP4B	Z	19.808	3
60	MP4B	Mx	-.01	3
61	MP3A	X	0	2
62	MP3A	Z	16.019	2
63	MP3A	Mx	.005	2
64	MP3B	X	0	2
65	MP3B	Z	12.311	2
66	MP3B	Mx	-.006	2
67	MP4A	X	0	1
68	MP4A	Z	34.905	1
69	MP4A	Mx	.011	1
70	MP3A	X	0	4
71	MP3A	Z	6.678	4
72	MP3A	Mx	.004	4
73	MP3A	X	0	4
74	MP3A	Z	6.678	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-17.551	1
2	MP2B	Z	30.399	1
3	MP2B	Mx	-.024	1
4	MP2B	X	-17.551	5
5	MP2B	Z	30.399	5
6	MP2B	Mx	-.024	5
7	MP2B	X	-17.551	1
8	MP2B	Z	30.399	1
9	MP2B	Mx	-.008	1
10	MP2B	X	-17.551	5
11	MP2B	Z	30.399	5
12	MP2B	Mx	-.008	5
13	MP3A	X	-17.551	1
14	MP3A	Z	30.399	1
15	MP3A	Mx	.024	1
16	MP3A	X	-17.551	5
17	MP3A	Z	30.399	5
18	MP3A	Mx	.024	5
19	MP3A	X	-17.551	1
20	MP3A	Z	30.399	1
21	MP3A	Mx	.008	1
22	MP3A	X	-17.551	5
23	MP3A	Z	30.399	5
24	MP3A	Mx	.008	5
25	MP1A	X	-15.117	1
26	MP1A	Z	26.183	1
27	MP1A	Mx	.012	1
28	MP1A	X	-15.117	5
29	MP1A	Z	26.183	5
30	MP1A	Mx	.012	5
31	MP1B	X	-15.856	1
32	MP1B	Z	27.464	1
33	MP1B	Mx	-.008	1
34	MP1B	X	-15.856	5
35	MP1B	Z	27.464	5
36	MP1B	Mx	-.008	5
37	MP5A	X	-15.117	1
38	MP5A	Z	26.183	1
39	MP5A	Mx	.012	1
40	MP5A	X	-15.117	5
41	MP5A	Z	26.183	5
42	MP5A	Mx	.012	5
43	MP5B	X	-15.856	1
44	MP5B	Z	27.464	1
45	MP5B	Mx	-.008	1
46	MP5B	X	-15.856	5
47	MP5B	Z	27.464	5
48	MP5B	Mx	-.008	5
49	MP2A	X	-6.893	3
50	MP2A	Z	11.94	3
51	MP2A	Mx	.006	3
52	MP2B	X	-6.893	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	11.94	3
54	MP2B	Mx	-.006	3
55	MP4A	X	-10.997	3
56	MP4A	Z	19.047	3
57	MP4A	Mx	.01	3
58	MP4B	X	-10.997	3
59	MP4B	Z	19.047	3
60	MP4B	Mx	-.01	3
61	MP3A	X	-6.445	2
62	MP3A	Z	11.163	2
63	MP3A	Mx	.006	2
64	MP3B	X	-6.445	2
65	MP3B	Z	11.163	2
66	MP3B	Mx	-.006	2
67	MP4A	X	-15.511	1
68	MP4A	Z	26.865	1
69	MP4A	Mx	.015	1
70	MP3A	X	-4.845	4
71	MP3A	Z	8.392	4
72	MP3A	Mx	.005	4
73	MP3A	X	-4.845	4
74	MP3A	Z	8.392	4
75	MP3A	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-34.787	1
2	MP2B	Z	20.084	1
3	MP2B	Mx	-.033	1
4	MP2B	X	-34.787	5
5	MP2B	Z	20.084	5
6	MP2B	Mx	-.033	5
7	MP2B	X	-34.787	1
8	MP2B	Z	20.084	1
9	MP2B	Mx	.008	1
10	MP2B	X	-34.787	5
11	MP2B	Z	20.084	5
12	MP2B	Mx	.008	5
13	MP3A	X	-29.588	1
14	MP3A	Z	17.083	1
15	MP3A	Mx	.013	1
16	MP3A	X	-29.588	5
17	MP3A	Z	17.083	5
18	MP3A	Mx	.013	5
19	MP3A	X	-29.588	1
20	MP3A	Z	17.083	1
21	MP3A	Mx	.021	1
22	MP3A	X	-29.588	5
23	MP3A	Z	17.083	5
24	MP3A	Mx	.021	5
25	MP1A	X	-25.205	1
26	MP1A	Z	14.552	1
27	MP1A	Mx	.014	1
28	MP1A	X	-25.205	5
29	MP1A	Z	14.552	5
30	MP1A	Mx	.014	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1B	X	-28.225	1
32	MP1B	Z	16.296	1
33	MP1B	Mx	0	1
34	MP1B	X	-28.225	5
35	MP1B	Z	16.296	5
36	MP1B	Mx	0	5
37	MP5A	X	-25.205	1
38	MP5A	Z	14.552	1
39	MP5A	Mx	.014	1
40	MP5A	X	-25.205	5
41	MP5A	Z	14.552	5
42	MP5A	Mx	.014	5
43	MP5B	X	-28.225	1
44	MP5B	Z	16.296	1
45	MP5B	Mx	0	1
46	MP5B	X	-28.225	5
47	MP5B	Z	16.296	5
48	MP5B	Mx	0	5
49	MP2A	X	-11.515	3
50	MP2A	Z	6.648	3
51	MP2A	Mx	.007	3
52	MP2B	X	-14.237	3
53	MP2B	Z	8.219	3
54	MP2B	Mx	-.005	3
55	MP4A	X	-17.155	3
56	MP4A	Z	9.904	3
57	MP4A	Mx	.01	3
58	MP4B	X	-29.287	3
59	MP4B	Z	16.909	3
60	MP4B	Mx	-.011	3
61	MP3A	X	-10.662	2
62	MP3A	Z	6.156	2
63	MP3A	Mx	.006	2
64	MP3B	X	-13.873	2
65	MP3B	Z	8.01	2
66	MP3B	Mx	-.005	2
67	MP4A	X	-26.243	1
68	MP4A	Z	15.152	1
69	MP4A	Mx	.015	1
70	MP3A	X	-8.874	4
71	MP3A	Z	5.124	4
72	MP3A	Mx	.002	4
73	MP3A	X	-8.874	4
74	MP3A	Z	5.124	4
75	MP3A	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-44.298	1
2	MP2B	Z	0	1
3	MP2B	Mx	-.033	1
4	MP2B	X	-44.298	5
5	MP2B	Z	0	5
6	MP2B	Mx	-.033	5
7	MP2B	X	-44.298	1
8	MP2B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.025	1
10	MP2B	X	-44.298	5
11	MP2B	Z	0	5
12	MP2B	Mx	.025	5
13	MP3A	X	-38.296	1
14	MP3A	Z	0	1
15	MP3A	Mx	-.002	1
16	MP3A	X	-38.296	5
17	MP3A	Z	0	5
18	MP3A	Mx	-.002	5
19	MP3A	X	-38.296	1
20	MP3A	Z	0	1
21	MP3A	Mx	.031	1
22	MP3A	X	-38.296	5
23	MP3A	Z	0	5
24	MP3A	Mx	.031	5
25	MP1A	X	-29.705	1
26	MP1A	Z	0	1
27	MP1A	Mx	.013	1
28	MP1A	X	-29.705	5
29	MP1A	Z	0	5
30	MP1A	Mx	.013	5
31	MP1B	X	-31.713	1
32	MP1B	Z	0	1
33	MP1B	Mx	.008	1
34	MP1B	X	-31.713	5
35	MP1B	Z	0	5
36	MP1B	Mx	.008	5
37	MP5A	X	-29.705	1
38	MP5A	Z	0	1
39	MP5A	Mx	.013	1
40	MP5A	X	-29.705	5
41	MP5A	Z	0	5
42	MP5A	Mx	.013	5
43	MP5B	X	-31.713	1
44	MP5B	Z	0	1
45	MP5B	Mx	.008	1
46	MP5B	X	-31.713	5
47	MP5B	Z	0	5
48	MP5B	Mx	.008	5
49	MP2A	X	-15.459	3
50	MP2A	Z	0	3
51	MP2A	Mx	.006	3
52	MP2B	X	-18.601	3
53	MP2B	Z	0	3
54	MP2B	Mx	-.002	3
55	MP4A	X	-29.447	3
56	MP4A	Z	0	3
57	MP4A	Mx	.011	3
58	MP4B	X	-43.456	3
59	MP4B	Z	0	3
60	MP4B	Mx	-.004	3
61	MP3A	X	-14.862	2
62	MP3A	Z	0	2
63	MP3A	Mx	.006	2
64	MP3B	X	-18.57	2
65	MP3B	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	-.002	2
67	MP4A	X	-33.469	1
68	MP4A	Z	0	1
69	MP4A	Mx	.013	1
70	MP3A	X	-7.792	4
71	MP3A	Z	0	4
72	MP3A	Mx	-.000515	4
73	MP3A	X	-7.792	4
74	MP3A	Z	0	4
75	MP3A	Mx	.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-37.552	1
2	MP2B	Z	-21.681	1
3	MP2B	Mx	-.02	1
4	MP2B	X	-37.552	5
5	MP2B	Z	-21.681	5
6	MP2B	Mx	-.02	5
7	MP2B	X	-37.552	1
8	MP2B	Z	-21.681	1
9	MP2B	Mx	.035	1
10	MP2B	X	-37.552	5
11	MP2B	Z	-21.681	5
12	MP2B	Mx	.035	5
13	MP3A	X	-37.552	1
14	MP3A	Z	-21.681	1
15	MP3A	Mx	-.02	1
16	MP3A	X	-37.552	5
17	MP3A	Z	-21.681	5
18	MP3A	Mx	-.02	5
19	MP3A	X	-37.552	1
20	MP3A	Z	-21.681	1
21	MP3A	Mx	.035	1
22	MP3A	X	-37.552	5
23	MP3A	Z	-21.681	5
24	MP3A	Mx	.035	5
25	MP1A	X	-27.224	1
26	MP1A	Z	-15.718	1
27	MP1A	Mx	.009	1
28	MP1A	X	-27.224	5
29	MP1A	Z	-15.718	5
30	MP1A	Mx	.009	5
31	MP1B	X	-25.942	1
32	MP1B	Z	-14.978	1
33	MP1B	Mx	.013	1
34	MP1B	X	-25.942	5
35	MP1B	Z	-14.978	5
36	MP1B	Mx	.013	5
37	MP5A	X	-27.224	1
38	MP5A	Z	-15.718	1
39	MP5A	Mx	.009	1
40	MP5A	X	-27.224	5
41	MP5A	Z	-15.718	5
42	MP5A	Mx	.009	5
43	MP5B	X	-25.942	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP5B	Z	-14.978	1
45	MP5B	Mx	.013	1
46	MP5B	X	-25.942	5
47	MP5B	Z	-14.978	5
48	MP5B	Mx	.013	5
49	MP2A	X	-15.684	3
50	MP2A	Z	-9.055	3
51	MP2A	Mx	.003	3
52	MP2B	X	-15.684	3
53	MP2B	Z	-9.055	3
54	MP2B	Mx	.003	3
55	MP4A	X	-35.742	3
56	MP4A	Z	-20.636	3
57	MP4A	Mx	.007	3
58	MP4B	X	-35.742	3
59	MP4B	Z	-20.636	3
60	MP4B	Mx	.007	3
61	MP3A	X	-15.582	2
62	MP3A	Z	-8.996	2
63	MP3A	Mx	.003	2
64	MP3B	X	-15.582	2
65	MP3B	Z	-8.996	2
66	MP3B	Mx	.003	2
67	MP4A	X	-32.349	1
68	MP4A	Z	-18.677	1
69	MP4A	Mx	.006	1
70	MP3A	X	-4.139	4
71	MP3A	Z	-2.39	4
72	MP3A	Mx	-.002	4
73	MP3A	X	-4.139	4
74	MP3A	Z	-2.39	4
75	MP3A	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-19.148	1
2	MP2B	Z	-33.165	1
3	MP2B	Mx	-.002	1
4	MP2B	X	-19.148	5
5	MP2B	Z	-33.165	5
6	MP2B	Mx	-.002	5
7	MP2B	X	-19.148	1
8	MP2B	Z	-33.165	1
9	MP2B	Mx	.031	1
10	MP2B	X	-19.148	5
11	MP2B	Z	-33.165	5
12	MP2B	Mx	.031	5
13	MP3A	X	-22.149	1
14	MP3A	Z	-38.363	1
15	MP3A	Mx	-.033	1
16	MP3A	X	-22.149	5
17	MP3A	Z	-38.363	5
18	MP3A	Mx	-.033	5
19	MP3A	X	-22.149	1
20	MP3A	Z	-38.363	1
21	MP3A	Mx	.025	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP3A	X	-22.149	5
23	MP3A	Z	-38.363	5
24	MP3A	Mx	.025	5
25	MP1A	X	-16.282	1
26	MP1A	Z	-28.202	1
27	MP1A	Mx	.001	1
28	MP1A	X	-16.282	5
29	MP1A	Z	-28.202	5
30	MP1A	Mx	.001	5
31	MP1B	X	-14.539	1
32	MP1B	Z	-25.182	1
33	MP1B	Mx	.015	1
34	MP1B	X	-14.539	5
35	MP1B	Z	-25.182	5
36	MP1B	Mx	.015	5
37	MP5A	X	-16.282	1
38	MP5A	Z	-28.202	1
39	MP5A	Mx	.001	1
40	MP5A	X	-16.282	5
41	MP5A	Z	-28.202	5
42	MP5A	Mx	.001	5
43	MP5B	X	-14.539	1
44	MP5B	Z	-25.182	1
45	MP5B	Mx	.015	1
46	MP5B	X	-14.539	5
47	MP5B	Z	-25.182	5
48	MP5B	Mx	.015	5
49	MP2A	X	-9.3	3
50	MP2A	Z	-16.109	3
51	MP2A	Mx	-.002	3
52	MP2B	X	-7.729	3
53	MP2B	Z	-13.388	3
54	MP2B	Mx	.006	3
55	MP4A	X	-21.728	3
56	MP4A	Z	-37.634	3
57	MP4A	Mx	-.004	3
58	MP4B	X	-14.724	3
59	MP4B	Z	-25.502	3
60	MP4B	Mx	.011	3
61	MP3A	X	-9.285	2
62	MP3A	Z	-16.082	2
63	MP3A	Mx	-.002	2
64	MP3B	X	-7.431	2
65	MP3B	Z	-12.871	2
66	MP3B	Mx	.006	2
67	MP4A	X	-19.035	1
68	MP4A	Z	-32.97	1
69	MP4A	Mx	-.003	1
70	MP3A	X	-2.111	4
71	MP3A	Z	-3.657	4
72	MP3A	Mx	-.002	4
73	MP3A	X	-2.111	4
74	MP3A	Z	-3.657	4
75	MP3A	Mx	.002	4

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	1
2	MP2B	Z	-5.276	1
3	MP2B	Mx	.002	1
4	MP2B	X	0	5
5	MP2B	Z	-5.276	5
6	MP2B	Mx	.002	5
7	MP2B	X	0	1
8	MP2B	Z	-5.276	1
9	MP2B	Mx	.003	1
10	MP2B	X	0	5
11	MP2B	Z	-5.276	5
12	MP2B	Mx	.003	5
13	MP3A	X	0	1
14	MP3A	Z	-6.254	1
15	MP3A	Mx	-.005	1
16	MP3A	X	0	5
17	MP3A	Z	-6.254	5
18	MP3A	Mx	-.005	5
19	MP3A	X	0	1
20	MP3A	Z	-6.254	1
21	MP3A	Mx	.001	1
22	MP3A	X	0	5
23	MP3A	Z	-6.254	5
24	MP3A	Mx	.001	5
25	MP1A	X	0	1
26	MP1A	Z	-10.167	1
27	MP1A	Mx	-.002	1
28	MP1A	X	0	5
29	MP1A	Z	-10.167	5
30	MP1A	Mx	-.002	5
31	MP1B	X	0	1
32	MP1B	Z	-9.416	1
33	MP1B	Mx	.004	1
34	MP1B	X	0	5
35	MP1B	Z	-9.416	5
36	MP1B	Mx	.004	5
37	MP5A	X	0	1
38	MP5A	Z	-10.167	1
39	MP5A	Mx	-.002	1
40	MP5A	X	0	5
41	MP5A	Z	-10.167	5
42	MP5A	Mx	-.002	5
43	MP5B	X	0	1
44	MP5B	Z	-9.416	1
45	MP5B	Mx	.004	1
46	MP5B	X	0	5
47	MP5B	Z	-9.416	5
48	MP5B	Mx	.004	5
49	MP2A	X	0	3
50	MP2A	Z	-3.952	3
51	MP2A	Mx	-.001	3
52	MP2B	X	0	3
53	MP2B	Z	-3.114	3
54	MP2B	Mx	.002	3
55	MP4A	X	0	3
56	MP4A	Z	-8.434	3
57	MP4A	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP4B	X	0	3
59	MP4B	Z	-4.213	3
60	MP4B	Mx	.002	3
61	MP3A	X	0	2
62	MP3A	Z	-3.83	2
63	MP3A	Mx	-.001	2
64	MP3B	X	0	2
65	MP3B	Z	-2.828	2
66	MP3B	Mx	.001	2
67	MP4A	X	0	1
68	MP4A	Z	-8.428	1
69	MP4A	Mx	-.003	1
70	MP3A	X	0	4
71	MP3A	Z	-2.841	4
72	MP3A	Mx	-.002	4
73	MP3A	X	0	4
74	MP3A	Z	-2.841	4
75	MP3A	Mx	.000479	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	2.714	1
2	MP2B	Z	-4.701	1
3	MP2B	Mx	.004	1
4	MP2B	X	2.714	5
5	MP2B	Z	-4.701	5
6	MP2B	Mx	.004	5
7	MP2B	X	2.714	1
8	MP2B	Z	-4.701	1
9	MP2B	Mx	.001	1
10	MP2B	X	2.714	5
11	MP2B	Z	-4.701	5
12	MP2B	Mx	.001	5
13	MP3A	X	2.714	1
14	MP3A	Z	-4.701	1
15	MP3A	Mx	-.004	1
16	MP3A	X	2.714	5
17	MP3A	Z	-4.701	5
18	MP3A	Mx	-.004	5
19	MP3A	X	2.714	1
20	MP3A	Z	-4.701	1
21	MP3A	Mx	-.001	1
22	MP3A	X	2.714	5
23	MP3A	Z	-4.701	5
24	MP3A	Mx	-.001	5
25	MP1A	X	4.76	1
26	MP1A	Z	-8.244	1
27	MP1A	Mx	-.004	1
28	MP1A	X	4.76	5
29	MP1A	Z	-8.244	5
30	MP1A	Mx	-.004	5
31	MP1B	X	5.037	1
32	MP1B	Z	-8.724	1
33	MP1B	Mx	.003	1
34	MP1B	X	5.037	5
35	MP1B	Z	-8.724	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP1B	Mx	.003	5
37	MP5A	X	4.76	1
38	MP5A	Z	-8.244	1
39	MP5A	Mx	-.004	1
40	MP5A	X	4.76	5
41	MP5A	Z	-8.244	5
42	MP5A	Mx	-.004	5
43	MP5B	X	5.037	1
44	MP5B	Z	-8.724	1
45	MP5B	Mx	.003	1
46	MP5B	X	5.037	5
47	MP5B	Z	-8.724	5
48	MP5B	Mx	.003	5
49	MP2A	X	1.623	3
50	MP2A	Z	-2.81	3
51	MP2A	Mx	-.002	3
52	MP2B	X	1.623	3
53	MP2B	Z	-2.81	3
54	MP2B	Mx	.002	3
55	MP4A	X	2.436	3
56	MP4A	Z	-4.218	3
57	MP4A	Mx	-.002	3
58	MP4B	X	2.436	3
59	MP4B	Z	-4.218	3
60	MP4B	Mx	.002	3
61	MP3A	X	1.492	2
62	MP3A	Z	-2.585	2
63	MP3A	Mx	-.001	2
64	MP3B	X	1.492	2
65	MP3B	Z	-2.585	2
66	MP3B	Mx	.001	2
67	MP4A	X	3.687	1
68	MP4A	Z	-6.386	1
69	MP4A	Mx	-.003	1
70	MP3A	X	1.425	4
71	MP3A	Z	-2.468	4
72	MP3A	Mx	-.001	4
73	MP3A	X	1.425	4
74	MP3A	Z	-2.468	4
75	MP3A	Mx	-.000405	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	5.416	1
2	MP2B	Z	-3.127	1
3	MP2B	Mx	.005	1
4	MP2B	X	5.416	5
5	MP2B	Z	-3.127	5
6	MP2B	Mx	.005	5
7	MP2B	X	5.416	1
8	MP2B	Z	-3.127	1
9	MP2B	Mx	-.001	1
10	MP2B	X	5.416	5
11	MP2B	Z	-3.127	5
12	MP2B	Mx	-.001	5
13	MP3A	X	4.569	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3A	Z	-2.638	1
15	MP3A	Mx	-.002	1
16	MP3A	X	4.569	5
17	MP3A	Z	-2.638	5
18	MP3A	Mx	-.002	5
19	MP3A	X	4.569	1
20	MP3A	Z	-2.638	1
21	MP3A	Mx	-.003	1
22	MP3A	X	4.569	5
23	MP3A	Z	-2.638	5
24	MP3A	Mx	-.003	5
25	MP1A	X	7.878	1
26	MP1A	Z	-4.548	1
27	MP1A	Mx	-.005	1
28	MP1A	X	7.878	5
29	MP1A	Z	-4.548	5
30	MP1A	Mx	-.005	5
31	MP1B	X	9.009	1
32	MP1B	Z	-5.201	1
33	MP1B	Mx	0	1
34	MP1B	X	9.009	5
35	MP1B	Z	-5.201	5
36	MP1B	Mx	0	5
37	MP5A	X	7.878	1
38	MP5A	Z	-4.548	1
39	MP5A	Mx	-.005	1
40	MP5A	X	7.878	5
41	MP5A	Z	-4.548	5
42	MP5A	Mx	-.005	5
43	MP5B	X	9.009	1
44	MP5B	Z	-5.201	1
45	MP5B	Mx	0	1
46	MP5B	X	9.009	5
47	MP5B	Z	-5.201	5
48	MP5B	Mx	0	5
49	MP2A	X	2.697	3
50	MP2A	Z	-1.557	3
51	MP2A	Mx	-.002	3
52	MP2B	X	3.423	3
53	MP2B	Z	-1.976	3
54	MP2B	Mx	.001	3
55	MP4A	X	3.648	3
56	MP4A	Z	-2.106	3
57	MP4A	Mx	-.002	3
58	MP4B	X	7.304	3
59	MP4B	Z	-4.217	3
60	MP4B	Mx	.003	3
61	MP3A	X	2.449	2
62	MP3A	Z	-1.414	2
63	MP3A	Mx	-.001	2
64	MP3B	X	3.317	2
65	MP3B	Z	-1.915	2
66	MP3B	Mx	.001	2
67	MP4A	X	6.218	1
68	MP4A	Z	-3.59	1
69	MP4A	Mx	-.004	1
70	MP3A	X	2.469	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP3A	Z	-1.426	4
72	MP3A	Mx	-.000689	4
73	MP3A	X	2.469	4
74	MP3A	Z	-1.426	4
75	MP3A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	6.926	1
2	MP2B	Z	0	1
3	MP2B	Mx	.005	1
4	MP2B	X	6.926	5
5	MP2B	Z	0	5
6	MP2B	Mx	.005	5
7	MP2B	X	6.926	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.004	1
10	MP2B	X	6.926	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.004	5
13	MP3A	X	5.949	1
14	MP3A	Z	0	1
15	MP3A	Mx	.000271	1
16	MP3A	X	5.949	5
17	MP3A	Z	0	5
18	MP3A	Mx	.000271	5
19	MP3A	X	5.949	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.005	1
22	MP3A	X	5.949	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.005	5
25	MP1A	X	9.322	1
26	MP1A	Z	0	1
27	MP1A	Mx	-.004	1
28	MP1A	X	9.322	5
29	MP1A	Z	0	5
30	MP1A	Mx	-.004	5
31	MP1B	X	10.073	1
32	MP1B	Z	0	1
33	MP1B	Mx	-.003	1
34	MP1B	X	10.073	5
35	MP1B	Z	0	5
36	MP1B	Mx	-.003	5
37	MP5A	X	9.322	1
38	MP5A	Z	0	1
39	MP5A	Mx	-.004	1
40	MP5A	X	9.322	5
41	MP5A	Z	0	5
42	MP5A	Mx	-.004	5
43	MP5B	X	10.073	1
44	MP5B	Z	0	1
45	MP5B	Mx	-.003	1
46	MP5B	X	10.073	5
47	MP5B	Z	0	5
48	MP5B	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP2A	X	3.691	3
50	MP2A	Z	0	3
51	MP2A	Mx	-.001	3
52	MP2B	X	4.529	3
53	MP2B	Z	0	3
54	MP2B	Mx	.000393	3
55	MP4A	X	7.117	3
56	MP4A	Z	0	3
57	MP4A	Mx	-.003	3
58	MP4B	X	11.339	3
59	MP4B	Z	0	3
60	MP4B	Mx	.000984	3
61	MP3A	X	3.518	2
62	MP3A	Z	0	2
63	MP3A	Mx	-.001	2
64	MP3B	X	4.52	2
65	MP3B	Z	0	2
66	MP3B	Mx	.000392	2
67	MP4A	X	8.039	1
68	MP4A	Z	0	1
69	MP4A	Mx	-.003	1
70	MP3A	X	2.844	4
71	MP3A	Z	0	4
72	MP3A	Mx	.000188	4
73	MP3A	X	2.844	4
74	MP3A	Z	0	4
75	MP3A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	5.866	1
2	MP2B	Z	3.387	1
3	MP2B	Mx	.003	1
4	MP2B	X	5.866	5
5	MP2B	Z	3.387	5
6	MP2B	Mx	.003	5
7	MP2B	X	5.866	1
8	MP2B	Z	3.387	1
9	MP2B	Mx	-.005	1
10	MP2B	X	5.866	5
11	MP2B	Z	3.387	5
12	MP2B	Mx	-.005	5
13	MP3A	X	5.866	1
14	MP3A	Z	3.387	1
15	MP3A	Mx	.003	1
16	MP3A	X	5.866	5
17	MP3A	Z	3.387	5
18	MP3A	Mx	.003	5
19	MP3A	X	5.866	1
20	MP3A	Z	3.387	1
21	MP3A	Mx	-.005	1
22	MP3A	X	5.866	5
23	MP3A	Z	3.387	5
24	MP3A	Mx	-.005	5
25	MP1A	X	8.634	1
26	MP1A	Z	4.985	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1A	Mx	-.003	1
28	MP1A	X	8.634	5
29	MP1A	Z	4.985	5
30	MP1A	Mx	-.003	5
31	MP1B	X	8.154	1
32	MP1B	Z	4.708	1
33	MP1B	Mx	-.004	1
34	MP1B	X	8.154	5
35	MP1B	Z	4.708	5
36	MP1B	Mx	-.004	5
37	MP5A	X	8.634	1
38	MP5A	Z	4.985	1
39	MP5A	Mx	-.003	1
40	MP5A	X	8.634	5
41	MP5A	Z	4.985	5
42	MP5A	Mx	-.003	5
43	MP5B	X	8.154	1
44	MP5B	Z	4.708	1
45	MP5B	Mx	-.004	1
46	MP5B	X	8.154	5
47	MP5B	Z	4.708	5
48	MP5B	Mx	-.004	5
49	MP2A	X	3.809	3
50	MP2A	Z	2.199	3
51	MP2A	Mx	-.000752	3
52	MP2B	X	3.809	3
53	MP2B	Z	2.199	3
54	MP2B	Mx	-.000752	3
55	MP4A	X	9.25	3
56	MP4A	Z	5.34	3
57	MP4A	Mx	-.002	3
58	MP4B	X	9.25	3
59	MP4B	Z	5.34	3
60	MP4B	Mx	-.002	3
61	MP3A	X	3.779	2
62	MP3A	Z	2.182	2
63	MP3A	Mx	-.000746	2
64	MP3B	X	3.779	2
65	MP3B	Z	2.182	2
66	MP3B	Mx	-.000746	2
67	MP4A	X	7.874	1
68	MP4A	Z	4.546	1
69	MP4A	Mx	-.002	1
70	MP3A	X	2.455	4
71	MP3A	Z	1.418	4
72	MP3A	Mx	.001	4
73	MP3A	X	2.455	4
74	MP3A	Z	1.418	4
75	MP3A	Mx	-.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	2.974	1
2	MP2B	Z	5.152	1
3	MP2B	Mx	.00027	1
4	MP2B	X	2.974	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2B	Z	5.152	5
6	MP2B	Mx	.00027	5
7	MP2B	X	2.974	1
8	MP2B	Z	5.152	1
9	MP2B	Mx	-.005	1
10	MP2B	X	2.974	5
11	MP2B	Z	5.152	5
12	MP2B	Mx	-.005	5
13	MP3A	X	3.463	1
14	MP3A	Z	5.998	1
15	MP3A	Mx	.005	1
16	MP3A	X	3.463	5
17	MP3A	Z	5.998	5
18	MP3A	Mx	.005	5
19	MP3A	X	3.463	1
20	MP3A	Z	5.998	1
21	MP3A	Mx	-.004	1
22	MP3A	X	3.463	5
23	MP3A	Z	5.998	5
24	MP3A	Mx	-.004	5
25	MP1A	X	5.196	1
26	MP1A	Z	9	1
27	MP1A	Mx	-.000453	1
28	MP1A	X	5.196	5
29	MP1A	Z	9	5
30	MP1A	Mx	-.000453	5
31	MP1B	X	4.543	1
32	MP1B	Z	7.869	1
33	MP1B	Mx	-.005	1
34	MP1B	X	4.543	5
35	MP1B	Z	7.869	5
36	MP1B	Mx	-.005	5
37	MP5A	X	5.196	1
38	MP5A	Z	9	1
39	MP5A	Mx	-.000453	1
40	MP5A	X	5.196	5
41	MP5A	Z	9	5
42	MP5A	Mx	-.000453	5
43	MP5B	X	4.543	1
44	MP5B	Z	7.869	1
45	MP5B	Mx	-.005	1
46	MP5B	X	4.543	5
47	MP5B	Z	7.869	5
48	MP5B	Mx	-.005	5
49	MP2A	X	2.264	3
50	MP2A	Z	3.922	3
51	MP2A	Mx	.000393	3
52	MP2B	X	1.845	3
53	MP2B	Z	3.196	3
54	MP2B	Mx	-.001	3
55	MP4A	X	5.67	3
56	MP4A	Z	9.82	3
57	MP4A	Mx	.000984	3
58	MP4B	X	3.559	3
59	MP4B	Z	6.164	3
60	MP4B	Mx	-.003	3
61	MP3A	X	2.26	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP3A	Z	3.914	2
63	MP3A	Mx	.000392	2
64	MP3B	X	1.759	2
65	MP3B	Z	3.046	2
66	MP3B	Mx	-.001	2
67	MP4A	X	4.644	1
68	MP4A	Z	8.043	1
69	MP4A	Mx	.000806	1
70	MP3A	X	1.417	4
71	MP3A	Z	2.454	4
72	MP3A	Mx	.002	4
73	MP3A	X	1.417	4
74	MP3A	Z	2.454	4
75	MP3A	Mx	-.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	0	1
2	MP2B	Z	5.276	1
3	MP2B	Mx	-.002	1
4	MP2B	X	0	5
5	MP2B	Z	5.276	5
6	MP2B	Mx	-.002	5
7	MP2B	X	0	1
8	MP2B	Z	5.276	1
9	MP2B	Mx	-.003	1
10	MP2B	X	0	5
11	MP2B	Z	5.276	5
12	MP2B	Mx	-.003	5
13	MP3A	X	0	1
14	MP3A	Z	6.254	1
15	MP3A	Mx	.005	1
16	MP3A	X	0	5
17	MP3A	Z	6.254	5
18	MP3A	Mx	.005	5
19	MP3A	X	0	1
20	MP3A	Z	6.254	1
21	MP3A	Mx	-.001	1
22	MP3A	X	0	5
23	MP3A	Z	6.254	5
24	MP3A	Mx	-.001	5
25	MP1A	X	0	1
26	MP1A	Z	10.167	1
27	MP1A	Mx	.002	1
28	MP1A	X	0	5
29	MP1A	Z	10.167	5
30	MP1A	Mx	.002	5
31	MP1B	X	0	1
32	MP1B	Z	9.416	1
33	MP1B	Mx	-.004	1
34	MP1B	X	0	5
35	MP1B	Z	9.416	5
36	MP1B	Mx	-.004	5
37	MP5A	X	0	1
38	MP5A	Z	10.167	1
39	MP5A	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP5A	X	0	5
41	MP5A	Z	10.167	5
42	MP5A	Mx	.002	5
43	MP5B	X	0	1
44	MP5B	Z	9.416	1
45	MP5B	Mx	-.004	1
46	MP5B	X	0	5
47	MP5B	Z	9.416	5
48	MP5B	Mx	-.004	5
49	MP2A	X	0	3
50	MP2A	Z	3.952	3
51	MP2A	Mx	.001	3
52	MP2B	X	0	3
53	MP2B	Z	3.114	3
54	MP2B	Mx	-.002	3
55	MP4A	X	0	3
56	MP4A	Z	8.434	3
57	MP4A	Mx	.003	3
58	MP4B	X	0	3
59	MP4B	Z	4.213	3
60	MP4B	Mx	-.002	3
61	MP3A	X	0	2
62	MP3A	Z	3.83	2
63	MP3A	Mx	.001	2
64	MP3B	X	0	2
65	MP3B	Z	2.828	2
66	MP3B	Mx	-.001	2
67	MP4A	X	0	1
68	MP4A	Z	8.428	1
69	MP4A	Mx	.003	1
70	MP3A	X	0	4
71	MP3A	Z	2.841	4
72	MP3A	Mx	.002	4
73	MP3A	X	0	4
74	MP3A	Z	2.841	4
75	MP3A	Mx	-.000479	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-2.714	1
2	MP2B	Z	4.701	1
3	MP2B	Mx	-.004	1
4	MP2B	X	-2.714	5
5	MP2B	Z	4.701	5
6	MP2B	Mx	-.004	5
7	MP2B	X	-2.714	1
8	MP2B	Z	4.701	1
9	MP2B	Mx	-.001	1
10	MP2B	X	-2.714	5
11	MP2B	Z	4.701	5
12	MP2B	Mx	-.001	5
13	MP3A	X	-2.714	1
14	MP3A	Z	4.701	1
15	MP3A	Mx	.004	1
16	MP3A	X	-2.714	5
17	MP3A	Z	4.701	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3A	Mx	.004	5
19	MP3A	X	-2.714	1
20	MP3A	Z	4.701	1
21	MP3A	Mx	.001	1
22	MP3A	X	-2.714	5
23	MP3A	Z	4.701	5
24	MP3A	Mx	.001	5
25	MP1A	X	-4.76	1
26	MP1A	Z	8.244	1
27	MP1A	Mx	.004	1
28	MP1A	X	-4.76	5
29	MP1A	Z	8.244	5
30	MP1A	Mx	.004	5
31	MP1B	X	-5.037	1
32	MP1B	Z	8.724	1
33	MP1B	Mx	-.003	1
34	MP1B	X	-5.037	5
35	MP1B	Z	8.724	5
36	MP1B	Mx	-.003	5
37	MP5A	X	-4.76	1
38	MP5A	Z	8.244	1
39	MP5A	Mx	.004	1
40	MP5A	X	-4.76	5
41	MP5A	Z	8.244	5
42	MP5A	Mx	.004	5
43	MP5B	X	-5.037	1
44	MP5B	Z	8.724	1
45	MP5B	Mx	-.003	1
46	MP5B	X	-5.037	5
47	MP5B	Z	8.724	5
48	MP5B	Mx	-.003	5
49	MP2A	X	-1.623	3
50	MP2A	Z	2.81	3
51	MP2A	Mx	.002	3
52	MP2B	X	-1.623	3
53	MP2B	Z	2.81	3
54	MP2B	Mx	-.002	3
55	MP4A	X	-2.436	3
56	MP4A	Z	4.218	3
57	MP4A	Mx	.002	3
58	MP4B	X	-2.436	3
59	MP4B	Z	4.218	3
60	MP4B	Mx	-.002	3
61	MP3A	X	-1.492	2
62	MP3A	Z	2.585	2
63	MP3A	Mx	.001	2
64	MP3B	X	-1.492	2
65	MP3B	Z	2.585	2
66	MP3B	Mx	-.001	2
67	MP4A	X	-3.687	1
68	MP4A	Z	6.386	1
69	MP4A	Mx	.003	1
70	MP3A	X	-1.425	4
71	MP3A	Z	2.468	4
72	MP3A	Mx	.001	4
73	MP3A	X	-1.425	4
74	MP3A	Z	2.468	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.000405	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-5.416	1
2	MP2B	Z	3.127	1
3	MP2B	Mx	-.005	1
4	MP2B	X	-5.416	5
5	MP2B	Z	3.127	5
6	MP2B	Mx	-.005	5
7	MP2B	X	-5.416	1
8	MP2B	Z	3.127	1
9	MP2B	Mx	.001	1
10	MP2B	X	-5.416	5
11	MP2B	Z	3.127	5
12	MP2B	Mx	.001	5
13	MP3A	X	-4.569	1
14	MP3A	Z	2.638	1
15	MP3A	Mx	.002	1
16	MP3A	X	-4.569	5
17	MP3A	Z	2.638	5
18	MP3A	Mx	.002	5
19	MP3A	X	-4.569	1
20	MP3A	Z	2.638	1
21	MP3A	Mx	.003	1
22	MP3A	X	-4.569	5
23	MP3A	Z	2.638	5
24	MP3A	Mx	.003	5
25	MP1A	X	-7.878	1
26	MP1A	Z	4.548	1
27	MP1A	Mx	.005	1
28	MP1A	X	-7.878	5
29	MP1A	Z	4.548	5
30	MP1A	Mx	.005	5
31	MP1B	X	-9.009	1
32	MP1B	Z	5.201	1
33	MP1B	Mx	0	1
34	MP1B	X	-9.009	5
35	MP1B	Z	5.201	5
36	MP1B	Mx	0	5
37	MP5A	X	-7.878	1
38	MP5A	Z	4.548	1
39	MP5A	Mx	.005	1
40	MP5A	X	-7.878	5
41	MP5A	Z	4.548	5
42	MP5A	Mx	.005	5
43	MP5B	X	-9.009	1
44	MP5B	Z	5.201	1
45	MP5B	Mx	0	1
46	MP5B	X	-9.009	5
47	MP5B	Z	5.201	5
48	MP5B	Mx	0	5
49	MP2A	X	-2.697	3
50	MP2A	Z	1.557	3
51	MP2A	Mx	.002	3
52	MP2B	X	-3.423	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	1.976	3
54	MP2B	Mx	-.001	3
55	MP4A	X	-3.648	3
56	MP4A	Z	2.106	3
57	MP4A	Mx	.002	3
58	MP4B	X	-7.304	3
59	MP4B	Z	4.217	3
60	MP4B	Mx	-.003	3
61	MP3A	X	-2.449	2
62	MP3A	Z	1.414	2
63	MP3A	Mx	.001	2
64	MP3B	X	-3.317	2
65	MP3B	Z	1.915	2
66	MP3B	Mx	-.001	2
67	MP4A	X	-6.218	1
68	MP4A	Z	3.59	1
69	MP4A	Mx	.004	1
70	MP3A	X	-2.469	4
71	MP3A	Z	1.426	4
72	MP3A	Mx	.000689	4
73	MP3A	X	-2.469	4
74	MP3A	Z	1.426	4
75	MP3A	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-6.926	1
2	MP2B	Z	0	1
3	MP2B	Mx	-.005	1
4	MP2B	X	-6.926	5
5	MP2B	Z	0	5
6	MP2B	Mx	-.005	5
7	MP2B	X	-6.926	1
8	MP2B	Z	0	1
9	MP2B	Mx	.004	1
10	MP2B	X	-6.926	5
11	MP2B	Z	0	5
12	MP2B	Mx	.004	5
13	MP3A	X	-5.949	1
14	MP3A	Z	0	1
15	MP3A	Mx	-.000271	1
16	MP3A	X	-5.949	5
17	MP3A	Z	0	5
18	MP3A	Mx	-.000271	5
19	MP3A	X	-5.949	1
20	MP3A	Z	0	1
21	MP3A	Mx	.005	1
22	MP3A	X	-5.949	5
23	MP3A	Z	0	5
24	MP3A	Mx	.005	5
25	MP1A	X	-9.322	1
26	MP1A	Z	0	1
27	MP1A	Mx	.004	1
28	MP1A	X	-9.322	5
29	MP1A	Z	0	5
30	MP1A	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP1B	X	-10.073	1
32	MP1B	Z	0	1
33	MP1B	Mx	.003	1
34	MP1B	X	-10.073	5
35	MP1B	Z	0	5
36	MP1B	Mx	.003	5
37	MP5A	X	-9.322	1
38	MP5A	Z	0	1
39	MP5A	Mx	.004	1
40	MP5A	X	-9.322	5
41	MP5A	Z	0	5
42	MP5A	Mx	.004	5
43	MP5B	X	-10.073	1
44	MP5B	Z	0	1
45	MP5B	Mx	.003	1
46	MP5B	X	-10.073	5
47	MP5B	Z	0	5
48	MP5B	Mx	.003	5
49	MP2A	X	-3.691	3
50	MP2A	Z	0	3
51	MP2A	Mx	.001	3
52	MP2B	X	-4.529	3
53	MP2B	Z	0	3
54	MP2B	Mx	-.000393	3
55	MP4A	X	-7.117	3
56	MP4A	Z	0	3
57	MP4A	Mx	.003	3
58	MP4B	X	-11.339	3
59	MP4B	Z	0	3
60	MP4B	Mx	-.000984	3
61	MP3A	X	-3.518	2
62	MP3A	Z	0	2
63	MP3A	Mx	.001	2
64	MP3B	X	-4.52	2
65	MP3B	Z	0	2
66	MP3B	Mx	-.000392	2
67	MP4A	X	-8.039	1
68	MP4A	Z	0	1
69	MP4A	Mx	.003	1
70	MP3A	X	-2.844	4
71	MP3A	Z	0	4
72	MP3A	Mx	-.000188	4
73	MP3A	X	-2.844	4
74	MP3A	Z	0	4
75	MP3A	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-5.866	1
2	MP2B	Z	-3.387	1
3	MP2B	Mx	-.003	1
4	MP2B	X	-5.866	5
5	MP2B	Z	-3.387	5
6	MP2B	Mx	-.003	5
7	MP2B	X	-5.866	1
8	MP2B	Z	-3.387	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.005	1
10	MP2B	X	-5.866	5
11	MP2B	Z	-3.387	5
12	MP2B	Mx	.005	5
13	MP3A	X	-5.866	1
14	MP3A	Z	-3.387	1
15	MP3A	Mx	-.003	1
16	MP3A	X	-5.866	5
17	MP3A	Z	-3.387	5
18	MP3A	Mx	-.003	5
19	MP3A	X	-5.866	1
20	MP3A	Z	-3.387	1
21	MP3A	Mx	.005	1
22	MP3A	X	-5.866	5
23	MP3A	Z	-3.387	5
24	MP3A	Mx	.005	5
25	MP1A	X	-8.634	1
26	MP1A	Z	-4.985	1
27	MP1A	Mx	.003	1
28	MP1A	X	-8.634	5
29	MP1A	Z	-4.985	5
30	MP1A	Mx	.003	5
31	MP1B	X	-8.154	1
32	MP1B	Z	-4.708	1
33	MP1B	Mx	.004	1
34	MP1B	X	-8.154	5
35	MP1B	Z	-4.708	5
36	MP1B	Mx	.004	5
37	MP5A	X	-8.634	1
38	MP5A	Z	-4.985	1
39	MP5A	Mx	.003	1
40	MP5A	X	-8.634	5
41	MP5A	Z	-4.985	5
42	MP5A	Mx	.003	5
43	MP5B	X	-8.154	1
44	MP5B	Z	-4.708	1
45	MP5B	Mx	.004	1
46	MP5B	X	-8.154	5
47	MP5B	Z	-4.708	5
48	MP5B	Mx	.004	5
49	MP2A	X	-3.809	3
50	MP2A	Z	-2.199	3
51	MP2A	Mx	.000752	3
52	MP2B	X	-3.809	3
53	MP2B	Z	-2.199	3
54	MP2B	Mx	.000752	3
55	MP4A	X	-9.25	3
56	MP4A	Z	-5.34	3
57	MP4A	Mx	.002	3
58	MP4B	X	-9.25	3
59	MP4B	Z	-5.34	3
60	MP4B	Mx	.002	3
61	MP3A	X	-3.779	2
62	MP3A	Z	-2.182	2
63	MP3A	Mx	.000746	2
64	MP3B	X	-3.779	2
65	MP3B	Z	-2.182	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3B	Mx	.000746	2
67	MP4A	X	-7.874	1
68	MP4A	Z	-4.546	1
69	MP4A	Mx	.002	1
70	MP3A	X	-2.455	4
71	MP3A	Z	-1.418	4
72	MP3A	Mx	-.001	4
73	MP3A	X	-2.455	4
74	MP3A	Z	-1.418	4
75	MP3A	Mx	.002	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	-2.974	1
2	MP2B	Z	-5.152	1
3	MP2B	Mx	-.00027	1
4	MP2B	X	-2.974	5
5	MP2B	Z	-5.152	5
6	MP2B	Mx	-.00027	5
7	MP2B	X	-2.974	1
8	MP2B	Z	-5.152	1
9	MP2B	Mx	.005	1
10	MP2B	X	-2.974	5
11	MP2B	Z	-5.152	5
12	MP2B	Mx	.005	5
13	MP3A	X	-3.463	1
14	MP3A	Z	-5.998	1
15	MP3A	Mx	-.005	1
16	MP3A	X	-3.463	5
17	MP3A	Z	-5.998	5
18	MP3A	Mx	-.005	5
19	MP3A	X	-3.463	1
20	MP3A	Z	-5.998	1
21	MP3A	Mx	.004	1
22	MP3A	X	-3.463	5
23	MP3A	Z	-5.998	5
24	MP3A	Mx	.004	5
25	MP1A	X	-5.196	1
26	MP1A	Z	-9	1
27	MP1A	Mx	.000453	1
28	MP1A	X	-5.196	5
29	MP1A	Z	-9	5
30	MP1A	Mx	.000453	5
31	MP1B	X	-4.543	1
32	MP1B	Z	-7.869	1
33	MP1B	Mx	.005	1
34	MP1B	X	-4.543	5
35	MP1B	Z	-7.869	5
36	MP1B	Mx	.005	5
37	MP5A	X	-5.196	1
38	MP5A	Z	-9	1
39	MP5A	Mx	.000453	1
40	MP5A	X	-5.196	5
41	MP5A	Z	-9	5
42	MP5A	Mx	.000453	5
43	MP5B	X	-4.543	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP5B	Z	-7.869	1
45	MP5B	Mx	.005	1
46	MP5B	X	-4.543	5
47	MP5B	Z	-7.869	5
48	MP5B	Mx	.005	5
49	MP2A	X	-2.264	3
50	MP2A	Z	-3.922	3
51	MP2A	Mx	-.000393	3
52	MP2B	X	-1.845	3
53	MP2B	Z	-3.196	3
54	MP2B	Mx	.001	3
55	MP4A	X	-5.67	3
56	MP4A	Z	-9.82	3
57	MP4A	Mx	-.000984	3
58	MP4B	X	-3.559	3
59	MP4B	Z	-6.164	3
60	MP4B	Mx	.003	3
61	MP3A	X	-2.26	2
62	MP3A	Z	-3.914	2
63	MP3A	Mx	-.000392	2
64	MP3B	X	-1.759	2
65	MP3B	Z	-3.046	2
66	MP3B	Mx	.001	2
67	MP4A	X	-4.644	1
68	MP4A	Z	-8.043	1
69	MP4A	Mx	-.000806	1
70	MP3A	X	-1.417	4
71	MP3A	Z	-2.454	4
72	MP3A	Mx	-.002	4
73	MP3A	X	-1.417	4
74	MP3A	Z	-2.454	4
75	MP3A	Mx	.001	4

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M32A	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M33	Y	-250	%100

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M33	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	Y	-1.133	1
2	MP2B	My	.000843	1
3	MP2B	Mz	-.000427	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2B	Y	-1.133	5
5	MP2B	My	.000843	5
6	MP2B	Mz	-.000427	5
7	MP2B	Y	-1.133	1
8	MP2B	My	-.000646	1
9	MP2B	Mz	-.000689	1
10	MP2B	Y	-1.133	5
11	MP2B	My	-.000646	5
12	MP2B	Mz	-.000689	5
13	MP3A	Y	-1.133	1
14	MP3A	My	5.2e-5	1
15	MP3A	Mz	.000943	1
16	MP3A	Y	-1.133	5
17	MP3A	My	5.2e-5	5
18	MP3A	Mz	.000943	5
19	MP3A	Y	-1.133	1
20	MP3A	My	-.00092	1
21	MP3A	Mz	-.000215	1
22	MP3A	Y	-1.133	5
23	MP3A	My	-.00092	5
24	MP3A	Mz	-.000215	5
25	MP1A	Y	-.517	1
26	MP1A	My	-.000234	1
27	MP1A	Mz	.000109	1
28	MP1A	Y	-.517	5
29	MP1A	My	-.000234	5
30	MP1A	Mz	.000109	5
31	MP1B	Y	-.517	1
32	MP1B	My	-.000129	1
33	MP1B	Mz	-.000224	1
34	MP1B	Y	-.517	5
35	MP1B	My	-.000129	5
36	MP1B	Mz	-.000224	5
37	MP5A	Y	-.517	1
38	MP5A	My	-.000234	1
39	MP5A	Mz	.000109	1
40	MP5A	Y	-.517	5
41	MP5A	My	-.000234	5
42	MP5A	Mz	.000109	5
43	MP5B	Y	-.517	1
44	MP5B	My	-.000129	1
45	MP5B	Mz	-.000224	1
46	MP5B	Y	-.517	5
47	MP5B	My	-.000129	5
48	MP5B	Mz	-.000224	5
49	MP2A	Y	-3.681	3
50	MP2A	My	-.001	3
51	MP2A	Mz	.001	3
52	MP2B	Y	-3.681	3
53	MP2B	My	.00032	3
54	MP2B	Mz	-.002	3
55	MP4A	Y	-4.292	3
56	MP4A	My	-.002	3
57	MP4A	Mz	.001	3
58	MP4B	Y	-4.292	3
59	MP4B	My	.000373	3
60	MP4B	Mz	-.002	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP3A	Y	-3.464	2
62	MP3A	My	-.001	2
63	MP3A	Mz	.001	2
64	MP3B	Y	-3.464	2
65	MP3B	My	.000301	2
66	MP3B	Mz	-.002	2
67	MP4A	Y	-1.577	1
68	MP4A	My	-.000604	1
69	MP4A	Mz	.000507	1
70	MP3A	Y	-.867	4
71	MP3A	My	5.7e-5	4
72	MP3A	Mz	.000518	4
73	MP3A	Y	-.867	4
74	MP3A	My	-.0005	4
75	MP3A	Mz	-.000146	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	Z	-2.834	1
2	MP2B	Mx	.001	1
3	MP2B	Z	-2.834	5
4	MP2B	Mx	.001	5
5	MP2B	Z	-2.834	1
6	MP2B	Mx	.002	1
7	MP2B	Z	-2.834	5
8	MP2B	Mx	.002	5
9	MP3A	Z	-2.834	1
10	MP3A	Mx	-.002	1
11	MP3A	Z	-2.834	5
12	MP3A	Mx	-.002	5
13	MP3A	Z	-2.834	1
14	MP3A	Mx	.000536	1
15	MP3A	Z	-2.834	5
16	MP3A	Mx	.000536	5
17	MP1A	Z	-1.294	1
18	MP1A	Mx	-.000273	1
19	MP1A	Z	-1.294	5
20	MP1A	Mx	-.000273	5
21	MP1B	Z	-1.294	1
22	MP1B	Mx	.00056	1
23	MP1B	Z	-1.294	5
24	MP1B	Mx	.00056	5
25	MP5A	Z	-1.294	1
26	MP5A	Mx	-.000273	1
27	MP5A	Z	-1.294	5
28	MP5A	Mx	-.000273	5
29	MP5B	Z	-1.294	1
30	MP5B	Mx	.00056	1
31	MP5B	Z	-1.294	5
32	MP5B	Mx	.00056	5
33	MP2A	Z	-9.203	3
34	MP2A	Mx	-.003	3
35	MP2B	Z	-9.203	3
36	MP2B	Mx	.005	3
37	MP4A	Z	-10.731	3
38	MP4A	Mx	-.003	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4B	Z	-10.731	3
40	MP4B	Mx	.005	3
41	MP3A	Z	-8.661	2
42	MP3A	Mx	-.003	2
43	MP3B	Z	-8.661	2
44	MP3B	Mx	.004	2
45	MP4A	Z	-3.942	1
46	MP4A	Mx	-.001	1
47	MP3A	Z	-2.168	4
48	MP3A	Mx	-.001	4
49	MP3A	Z	-2.168	4
50	MP3A	Mx	.000366	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2B	X	2.834	1
2	MP2B	Mx	.002	1
3	MP2B	X	2.834	5
4	MP2B	Mx	.002	5
5	MP2B	X	2.834	1
6	MP2B	Mx	-.002	1
7	MP2B	X	2.834	5
8	MP2B	Mx	-.002	5
9	MP3A	X	2.834	1
10	MP3A	Mx	.000129	1
11	MP3A	X	2.834	5
12	MP3A	Mx	.000129	5
13	MP3A	X	2.834	1
14	MP3A	Mx	-.002	1
15	MP3A	X	2.834	5
16	MP3A	Mx	-.002	5
17	MP1A	X	1.294	1
18	MP1A	Mx	-.000586	1
19	MP1A	X	1.294	5
20	MP1A	Mx	-.000586	5
21	MP1B	X	1.294	1
22	MP1B	Mx	-.000323	1
23	MP1B	X	1.294	5
24	MP1B	Mx	-.000323	5
25	MP5A	X	1.294	1
26	MP5A	Mx	-.000586	1
27	MP5A	X	1.294	5
28	MP5A	Mx	-.000586	5
29	MP5B	X	1.294	1
30	MP5B	Mx	-.000323	1
31	MP5B	X	1.294	5
32	MP5B	Mx	-.000323	5
33	MP2A	X	9.203	3
34	MP2A	Mx	-.004	3
35	MP2B	X	9.203	3
36	MP2B	Mx	.000799	3
37	MP4A	X	10.731	3
38	MP4A	Mx	-.004	3
39	MP4B	X	10.731	3
40	MP4B	Mx	.000932	3
41	MP3A	X	8.661	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3A	Mx	-.003	2
43	MP3B	X	8.661	2
44	MP3B	Mx	.000752	2
45	MP4A	X	3.942	1
46	MP4A	Mx	-.002	1
47	MP3A	X	2.168	4
48	MP3A	Mx	.000143	4
49	MP3A	X	2.168	4
50	MP3A	Mx	-.001	4

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	FACEB	Y	-18.483	-18.483	0	%100
2	MP1B	Y	-5.888	-5.888	0	%100
3	MP5B	Y	-5.888	-5.888	0	%100
4	MP4B	Y	-5.888	-5.888	0	%100
5	MP3B	Y	-5.888	-5.888	0	%100
6	MP2B	Y	-6.688	-6.688	0	%100
7	FACEA	Y	-18.483	-18.483	0	%100
8	MP1A	Y	-5.888	-5.888	0	%100
9	MP5A	Y	-5.888	-5.888	0	%100
10	MP4A	Y	-5.888	-5.888	0	%100
11	MP2A	Y	-5.888	-5.888	0	%100
12	MP6B	Y	-5.888	-5.888	0	%100
13	MP3A	Y	-6.688	-6.688	0	%100
14	P6B	Y	-5.888	-5.888	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	FACEB	X	0	0	0	%100
2	FACEB	Z	-59.486	-59.486	0	%100
3	MP1B	X	0	0	0	%100
4	MP1B	Z	-11.214	-11.214	0	%100
5	MP5B	X	0	0	0	%100
6	MP5B	Z	-11.214	-11.214	0	%100
7	MP4B	X	0	0	0	%100
8	MP4B	Z	-11.214	-11.214	0	%100
9	MP3B	X	0	0	0	%100
10	MP3B	Z	-11.214	-11.214	0	%100
11	MP2B	X	0	0	0	%100
12	MP2B	Z	-13.575	-13.575	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	-14.871	-14.871	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-11.214	-11.214	0	%100
17	MP5A	X	0	0	0	%100
18	MP5A	Z	-11.214	-11.214	0	%100
19	MP4A	X	0	0	0	%100
20	MP4A	Z	-11.214	-11.214	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-11.214	-11.214	0	%100
23	MP6B	X	0	0	0	%100
24	MP6B	Z	-11.214	-11.214	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-13.575	-13.575	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,%]
27	P6B	X	0	0	0	%100
28	P6B	Z	-11.214	-11.214	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	FACEB	X	22.307	22.307	0	%100
2	FACEB	Z	-38.637	-38.637	0	%100
3	MP1B	X	5.607	5.607	0	%100
4	MP1B	Z	-9.711	-9.711	0	%100
5	MP5B	X	5.607	5.607	0	%100
6	MP5B	Z	-9.711	-9.711	0	%100
7	MP4B	X	5.607	5.607	0	%100
8	MP4B	Z	-9.711	-9.711	0	%100
9	MP3B	X	5.607	5.607	0	%100
10	MP3B	Z	-9.711	-9.711	0	%100
11	MP2B	X	6.787	6.787	0	%100
12	MP2B	Z	-11.756	-11.756	0	%100
13	FACEA	X	22.307	22.307	0	%100
14	FACEA	Z	-38.637	-38.637	0	%100
15	MP1A	X	5.607	5.607	0	%100
16	MP1A	Z	-9.711	-9.711	0	%100
17	MP5A	X	5.607	5.607	0	%100
18	MP5A	Z	-9.711	-9.711	0	%100
19	MP4A	X	5.607	5.607	0	%100
20	MP4A	Z	-9.711	-9.711	0	%100
21	MP2A	X	5.607	5.607	0	%100
22	MP2A	Z	-9.711	-9.711	0	%100
23	MP6B	X	5.607	5.607	0	%100
24	MP6B	Z	-9.711	-9.711	0	%100
25	MP3A	X	6.787	6.787	0	%100
26	MP3A	Z	-11.756	-11.756	0	%100
27	P6B	X	5.607	5.607	0	%100
28	P6B	Z	-9.711	-9.711	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	FACEB	X	12.879	12.879	0	%100
2	FACEB	Z	-7.436	-7.436	0	%100
3	MP1B	X	9.711	9.711	0	%100
4	MP1B	Z	-5.607	-5.607	0	%100
5	MP5B	X	9.711	9.711	0	%100
6	MP5B	Z	-5.607	-5.607	0	%100
7	MP4B	X	9.711	9.711	0	%100
8	MP4B	Z	-5.607	-5.607	0	%100
9	MP3B	X	9.711	9.711	0	%100
10	MP3B	Z	-5.607	-5.607	0	%100
11	MP2B	X	11.756	11.756	0	%100
12	MP2B	Z	-6.787	-6.787	0	%100
13	FACEA	X	51.516	51.516	0	%100
14	FACEA	Z	-29.743	-29.743	0	%100
15	MP1A	X	9.711	9.711	0	%100
16	MP1A	Z	-5.607	-5.607	0	%100
17	MP5A	X	9.711	9.711	0	%100
18	MP5A	Z	-5.607	-5.607	0	%100
19	MP4A	X	9.711	9.711	0	%100
20	MP4A	Z	-5.607	-5.607	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,%]
21	MP2A	X	9.711	9.711	0	%100
22	MP2A	Z	-5.607	-5.607	0	%100
23	MP6B	X	9.711	9.711	0	%100
24	MP6B	Z	-5.607	-5.607	0	%100
25	MP3A	X	11.756	11.756	0	%100
26	MP3A	Z	-6.787	-6.787	0	%100
27	P6B	X	9.711	9.711	0	%100
28	P6B	Z	-5.607	-5.607	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	FACEB	X	0	0	0	%100
2	FACEB	Z	0	0	0	%100
3	MP1B	X	11.214	11.214	0	%100
4	MP1B	Z	0	0	0	%100
5	MP5B	X	11.214	11.214	0	%100
6	MP5B	Z	0	0	0	%100
7	MP4B	X	11.214	11.214	0	%100
8	MP4B	Z	0	0	0	%100
9	MP3B	X	11.214	11.214	0	%100
10	MP3B	Z	0	0	0	%100
11	MP2B	X	13.575	13.575	0	%100
12	MP2B	Z	0	0	0	%100
13	FACEA	X	44.614	44.614	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	11.214	11.214	0	%100
16	MP1A	Z	0	0	0	%100
17	MP5A	X	11.214	11.214	0	%100
18	MP5A	Z	0	0	0	%100
19	MP4A	X	11.214	11.214	0	%100
20	MP4A	Z	0	0	0	%100
21	MP2A	X	11.214	11.214	0	%100
22	MP2A	Z	0	0	0	%100
23	MP6B	X	11.214	11.214	0	%100
24	MP6B	Z	0	0	0	%100
25	MP3A	X	13.575	13.575	0	%100
26	MP3A	Z	0	0	0	%100
27	P6B	X	11.214	11.214	0	%100
28	P6B	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	FACEB	X	12.879	12.879	0	%100
2	FACEB	Z	7.436	7.436	0	%100
3	MP1B	X	9.711	9.711	0	%100
4	MP1B	Z	5.607	5.607	0	%100
5	MP5B	X	9.711	9.711	0	%100
6	MP5B	Z	5.607	5.607	0	%100
7	MP4B	X	9.711	9.711	0	%100
8	MP4B	Z	5.607	5.607	0	%100
9	MP3B	X	9.711	9.711	0	%100
10	MP3B	Z	5.607	5.607	0	%100
11	MP2B	X	11.756	11.756	0	%100
12	MP2B	Z	6.787	6.787	0	%100
13	FACEA	X	12.879	12.879	0	%100
14	FACEA	Z	7.436	7.436	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,%]
15	MP1A	X	9.711	9.711	0	%100
16	MP1A	Z	5.607	5.607	0	%100
17	MP5A	X	9.711	9.711	0	%100
18	MP5A	Z	5.607	5.607	0	%100
19	MP4A	X	9.711	9.711	0	%100
20	MP4A	Z	5.607	5.607	0	%100
21	MP2A	X	9.711	9.711	0	%100
22	MP2A	Z	5.607	5.607	0	%100
23	MP6B	X	9.711	9.711	0	%100
24	MP6B	Z	5.607	5.607	0	%100
25	MP3A	X	11.756	11.756	0	%100
26	MP3A	Z	6.787	6.787	0	%100
27	P6B	X	9.711	9.711	0	%100
28	P6B	Z	5.607	5.607	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	FACEB	X	22.307	22.307	0	%100
2	FACEB	Z	38.637	38.637	0	%100
3	MP1B	X	5.607	5.607	0	%100
4	MP1B	Z	9.711	9.711	0	%100
5	MP5B	X	5.607	5.607	0	%100
6	MP5B	Z	9.711	9.711	0	%100
7	MP4B	X	5.607	5.607	0	%100
8	MP4B	Z	9.711	9.711	0	%100
9	MP3B	X	5.607	5.607	0	%100
10	MP3B	Z	9.711	9.711	0	%100
11	MP2B	X	6.787	6.787	0	%100
12	MP2B	Z	11.756	11.756	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	5.607	5.607	0	%100
16	MP1A	Z	9.711	9.711	0	%100
17	MP5A	X	5.607	5.607	0	%100
18	MP5A	Z	9.711	9.711	0	%100
19	MP4A	X	5.607	5.607	0	%100
20	MP4A	Z	9.711	9.711	0	%100
21	MP2A	X	5.607	5.607	0	%100
22	MP2A	Z	9.711	9.711	0	%100
23	MP6B	X	5.607	5.607	0	%100
24	MP6B	Z	9.711	9.711	0	%100
25	MP3A	X	6.787	6.787	0	%100
26	MP3A	Z	11.756	11.756	0	%100
27	P6B	X	5.607	5.607	0	%100
28	P6B	Z	9.711	9.711	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	FACEB	X	0	0	0	%100
2	FACEB	Z	59.486	59.486	0	%100
3	MP1B	X	0	0	0	%100
4	MP1B	Z	11.214	11.214	0	%100
5	MP5B	X	0	0	0	%100
6	MP5B	Z	11.214	11.214	0	%100
7	MP4B	X	0	0	0	%100
8	MP4B	Z	11.214	11.214	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,%]
9	MP3B	X	0	0	0	%100
10	MP3B	Z	11.214	11.214	0	%100
11	MP2B	X	0	0	0	%100
12	MP2B	Z	13.575	13.575	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	14.871	14.871	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	11.214	11.214	0	%100
17	MP5A	X	0	0	0	%100
18	MP5A	Z	11.214	11.214	0	%100
19	MP4A	X	0	0	0	%100
20	MP4A	Z	11.214	11.214	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	11.214	11.214	0	%100
23	MP6B	X	0	0	0	%100
24	MP6B	Z	11.214	11.214	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	13.575	13.575	0	%100
27	P6B	X	0	0	0	%100
28	P6B	Z	11.214	11.214	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	FACEB	X	-22.307	-22.307	0	%100
2	FACEB	Z	38.637	38.637	0	%100
3	MP1B	X	-5.607	-5.607	0	%100
4	MP1B	Z	9.711	9.711	0	%100
5	MP5B	X	-5.607	-5.607	0	%100
6	MP5B	Z	9.711	9.711	0	%100
7	MP4B	X	-5.607	-5.607	0	%100
8	MP4B	Z	9.711	9.711	0	%100
9	MP3B	X	-5.607	-5.607	0	%100
10	MP3B	Z	9.711	9.711	0	%100
11	MP2B	X	-6.787	-6.787	0	%100
12	MP2B	Z	11.756	11.756	0	%100
13	FACEA	X	-22.307	-22.307	0	%100
14	FACEA	Z	38.637	38.637	0	%100
15	MP1A	X	-5.607	-5.607	0	%100
16	MP1A	Z	9.711	9.711	0	%100
17	MP5A	X	-5.607	-5.607	0	%100
18	MP5A	Z	9.711	9.711	0	%100
19	MP4A	X	-5.607	-5.607	0	%100
20	MP4A	Z	9.711	9.711	0	%100
21	MP2A	X	-5.607	-5.607	0	%100
22	MP2A	Z	9.711	9.711	0	%100
23	MP6B	X	-5.607	-5.607	0	%100
24	MP6B	Z	9.711	9.711	0	%100
25	MP3A	X	-6.787	-6.787	0	%100
26	MP3A	Z	11.756	11.756	0	%100
27	P6B	X	-5.607	-5.607	0	%100
28	P6B	Z	9.711	9.711	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	FACEB	X	-12.879	-12.879	0	%100
2	FACEB	Z	7.436	7.436	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,%]
3	MP1B	X	-9.711	-9.711	0	%100
4	MP1B	Z	5.607	5.607	0	%100
5	MP5B	X	-9.711	-9.711	0	%100
6	MP5B	Z	5.607	5.607	0	%100
7	MP4B	X	-9.711	-9.711	0	%100
8	MP4B	Z	5.607	5.607	0	%100
9	MP3B	X	-9.711	-9.711	0	%100
10	MP3B	Z	5.607	5.607	0	%100
11	MP2B	X	-11.756	-11.756	0	%100
12	MP2B	Z	6.787	6.787	0	%100
13	FACEA	X	-51.516	-51.516	0	%100
14	FACEA	Z	29.743	29.743	0	%100
15	MP1A	X	-9.711	-9.711	0	%100
16	MP1A	Z	5.607	5.607	0	%100
17	MP5A	X	-9.711	-9.711	0	%100
18	MP5A	Z	5.607	5.607	0	%100
19	MP4A	X	-9.711	-9.711	0	%100
20	MP4A	Z	5.607	5.607	0	%100
21	MP2A	X	-9.711	-9.711	0	%100
22	MP2A	Z	5.607	5.607	0	%100
23	MP6B	X	-9.711	-9.711	0	%100
24	MP6B	Z	5.607	5.607	0	%100
25	MP3A	X	-11.756	-11.756	0	%100
26	MP3A	Z	6.787	6.787	0	%100
27	P6B	X	-9.711	-9.711	0	%100
28	P6B	Z	5.607	5.607	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	FACEB	X	0	0	0	%100
2	FACEB	Z	0	0	0	%100
3	MP1B	X	-11.214	-11.214	0	%100
4	MP1B	Z	0	0	0	%100
5	MP5B	X	-11.214	-11.214	0	%100
6	MP5B	Z	0	0	0	%100
7	MP4B	X	-11.214	-11.214	0	%100
8	MP4B	Z	0	0	0	%100
9	MP3B	X	-11.214	-11.214	0	%100
10	MP3B	Z	0	0	0	%100
11	MP2B	X	-13.575	-13.575	0	%100
12	MP2B	Z	0	0	0	%100
13	FACEA	X	-44.614	-44.614	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	-11.214	-11.214	0	%100
16	MP1A	Z	0	0	0	%100
17	MP5A	X	-11.214	-11.214	0	%100
18	MP5A	Z	0	0	0	%100
19	MP4A	X	-11.214	-11.214	0	%100
20	MP4A	Z	0	0	0	%100
21	MP2A	X	-11.214	-11.214	0	%100
22	MP2A	Z	0	0	0	%100
23	MP6B	X	-11.214	-11.214	0	%100
24	MP6B	Z	0	0	0	%100
25	MP3A	X	-13.575	-13.575	0	%100
26	MP3A	Z	0	0	0	%100
27	P6B	X	-11.214	-11.214	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,%]
28	P6B	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	FACEB	X	-12.879	-12.879	0	%100
2	FACEB	Z	-7.436	-7.436	0	%100
3	MP1B	X	-9.711	-9.711	0	%100
4	MP1B	Z	-5.607	-5.607	0	%100
5	MP5B	X	-9.711	-9.711	0	%100
6	MP5B	Z	-5.607	-5.607	0	%100
7	MP4B	X	-9.711	-9.711	0	%100
8	MP4B	Z	-5.607	-5.607	0	%100
9	MP3B	X	-9.711	-9.711	0	%100
10	MP3B	Z	-5.607	-5.607	0	%100
11	MP2B	X	-11.756	-11.756	0	%100
12	MP2B	Z	-6.787	-6.787	0	%100
13	FACEA	X	-12.879	-12.879	0	%100
14	FACEA	Z	-7.436	-7.436	0	%100
15	MP1A	X	-9.711	-9.711	0	%100
16	MP1A	Z	-5.607	-5.607	0	%100
17	MP5A	X	-9.711	-9.711	0	%100
18	MP5A	Z	-5.607	-5.607	0	%100
19	MP4A	X	-9.711	-9.711	0	%100
20	MP4A	Z	-5.607	-5.607	0	%100
21	MP2A	X	-9.711	-9.711	0	%100
22	MP2A	Z	-5.607	-5.607	0	%100
23	MP6B	X	-9.711	-9.711	0	%100
24	MP6B	Z	-5.607	-5.607	0	%100
25	MP3A	X	-11.756	-11.756	0	%100
26	MP3A	Z	-6.787	-6.787	0	%100
27	P6B	X	-9.711	-9.711	0	%100
28	P6B	Z	-5.607	-5.607	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	FACEB	X	-22.307	-22.307	0	%100
2	FACEB	Z	-38.637	-38.637	0	%100
3	MP1B	X	-5.607	-5.607	0	%100
4	MP1B	Z	-9.711	-9.711	0	%100
5	MP5B	X	-5.607	-5.607	0	%100
6	MP5B	Z	-9.711	-9.711	0	%100
7	MP4B	X	-5.607	-5.607	0	%100
8	MP4B	Z	-9.711	-9.711	0	%100
9	MP3B	X	-5.607	-5.607	0	%100
10	MP3B	Z	-9.711	-9.711	0	%100
11	MP2B	X	-6.787	-6.787	0	%100
12	MP2B	Z	-11.756	-11.756	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	-5.607	-5.607	0	%100
16	MP1A	Z	-9.711	-9.711	0	%100
17	MP5A	X	-5.607	-5.607	0	%100
18	MP5A	Z	-9.711	-9.711	0	%100
19	MP4A	X	-5.607	-5.607	0	%100
20	MP4A	Z	-9.711	-9.711	0	%100
21	MP2A	X	-5.607	-5.607	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	MP2A	Z	-9.711	-9.711	0	%100
23	MP6B	X	-5.607	-5.607	0	%100
24	MP6B	Z	-9.711	-9.711	0	%100
25	MP3A	X	-6.787	-6.787	0	%100
26	MP3A	Z	-11.756	-11.756	0	%100
27	P6B	X	-5.607	-5.607	0	%100
28	P6B	Z	-9.711	-9.711	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	FACEB	X	0	0	0	%100
2	FACEB	Z	-12.473	-12.473	0	%100
3	MP1B	X	0	0	0	%100
4	MP1B	Z	-4.092	-4.092	0	%100
5	MP5B	X	0	0	0	%100
6	MP5B	Z	-4.092	-4.092	0	%100
7	MP4B	X	0	0	0	%100
8	MP4B	Z	-4.092	-4.092	0	%100
9	MP3B	X	0	0	0	%100
10	MP3B	Z	-4.092	-4.092	0	%100
11	MP2B	X	0	0	0	%100
12	MP2B	Z	-4.502	-4.502	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	-3.118	-3.118	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-4.092	-4.092	0	%100
17	MP5A	X	0	0	0	%100
18	MP5A	Z	-4.092	-4.092	0	%100
19	MP4A	X	0	0	0	%100
20	MP4A	Z	-4.092	-4.092	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-4.092	-4.092	0	%100
23	MP6B	X	0	0	0	%100
24	MP6B	Z	-4.07	-4.07	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-4.502	-4.502	0	%100
27	P6B	X	0	0	0	%100
28	P6B	Z	-4.092	-4.092	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	FACEB	X	4.677	4.677	0	%100
2	FACEB	Z	-8.101	-8.101	0	%100
3	MP1B	X	2.046	2.046	0	%100
4	MP1B	Z	-3.544	-3.544	0	%100
5	MP5B	X	2.046	2.046	0	%100
6	MP5B	Z	-3.544	-3.544	0	%100
7	MP4B	X	2.046	2.046	0	%100
8	MP4B	Z	-3.544	-3.544	0	%100
9	MP3B	X	2.046	2.046	0	%100
10	MP3B	Z	-3.544	-3.544	0	%100
11	MP2B	X	2.251	2.251	0	%100
12	MP2B	Z	-3.899	-3.899	0	%100
13	FACEA	X	4.677	4.677	0	%100
14	FACEA	Z	-8.101	-8.101	0	%100
15	MP1A	X	2.046	2.046	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,%]
16	MP1A	Z	-3.544	-3.544	0	%100
17	MP5A	X	2.046	2.046	0	%100
18	MP5A	Z	-3.544	-3.544	0	%100
19	MP4A	X	2.046	2.046	0	%100
20	MP4A	Z	-3.544	-3.544	0	%100
21	MP2A	X	2.046	2.046	0	%100
22	MP2A	Z	-3.544	-3.544	0	%100
23	MP6B	X	2.035	2.035	0	%100
24	MP6B	Z	-3.525	-3.525	0	%100
25	MP3A	X	2.251	2.251	0	%100
26	MP3A	Z	-3.899	-3.899	0	%100
27	P6B	X	2.046	2.046	0	%100
28	P6B	Z	-3.544	-3.544	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	FACEB	X	2.7	2.7	0	%100
2	FACEB	Z	-1.559	-1.559	0	%100
3	MP1B	X	3.544	3.544	0	%100
4	MP1B	Z	-2.046	-2.046	0	%100
5	MP5B	X	3.544	3.544	0	%100
6	MP5B	Z	-2.046	-2.046	0	%100
7	MP4B	X	3.544	3.544	0	%100
8	MP4B	Z	-2.046	-2.046	0	%100
9	MP3B	X	3.544	3.544	0	%100
10	MP3B	Z	-2.046	-2.046	0	%100
11	MP2B	X	3.899	3.899	0	%100
12	MP2B	Z	-2.251	-2.251	0	%100
13	FACEA	X	10.802	10.802	0	%100
14	FACEA	Z	-6.236	-6.236	0	%100
15	MP1A	X	3.544	3.544	0	%100
16	MP1A	Z	-2.046	-2.046	0	%100
17	MP5A	X	3.544	3.544	0	%100
18	MP5A	Z	-2.046	-2.046	0	%100
19	MP4A	X	3.544	3.544	0	%100
20	MP4A	Z	-2.046	-2.046	0	%100
21	MP2A	X	3.544	3.544	0	%100
22	MP2A	Z	-2.046	-2.046	0	%100
23	MP6B	X	3.525	3.525	0	%100
24	MP6B	Z	-2.035	-2.035	0	%100
25	MP3A	X	3.899	3.899	0	%100
26	MP3A	Z	-2.251	-2.251	0	%100
27	P6B	X	3.544	3.544	0	%100
28	P6B	Z	-2.046	-2.046	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	FACEB	X	0	0	0	%100
2	FACEB	Z	0	0	0	%100
3	MP1B	X	4.092	4.092	0	%100
4	MP1B	Z	0	0	0	%100
5	MP5B	X	4.092	4.092	0	%100
6	MP5B	Z	0	0	0	%100
7	MP4B	X	4.092	4.092	0	%100
8	MP4B	Z	0	0	0	%100
9	MP3B	X	4.092	4.092	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,%]
10	MP3B	Z	0	0	0	%100
11	MP2B	X	4.502	4.502	0	%100
12	MP2B	Z	0	0	0	%100
13	FACEA	X	9.354	9.354	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	4.092	4.092	0	%100
16	MP1A	Z	0	0	0	%100
17	MP5A	X	4.092	4.092	0	%100
18	MP5A	Z	0	0	0	%100
19	MP4A	X	4.092	4.092	0	%100
20	MP4A	Z	0	0	0	%100
21	MP2A	X	4.092	4.092	0	%100
22	MP2A	Z	0	0	0	%100
23	MP6B	X	4.07	4.07	0	%100
24	MP6B	Z	0	0	0	%100
25	MP3A	X	4.502	4.502	0	%100
26	MP3A	Z	0	0	0	%100
27	P6B	X	4.092	4.092	0	%100
28	P6B	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	FACEB	X	2.7	2.7	0	%100
2	FACEB	Z	1.559	1.559	0	%100
3	MP1B	X	3.544	3.544	0	%100
4	MP1B	Z	2.046	2.046	0	%100
5	MP5B	X	3.544	3.544	0	%100
6	MP5B	Z	2.046	2.046	0	%100
7	MP4B	X	3.544	3.544	0	%100
8	MP4B	Z	2.046	2.046	0	%100
9	MP3B	X	3.544	3.544	0	%100
10	MP3B	Z	2.046	2.046	0	%100
11	MP2B	X	3.899	3.899	0	%100
12	MP2B	Z	2.251	2.251	0	%100
13	FACEA	X	2.7	2.7	0	%100
14	FACEA	Z	1.559	1.559	0	%100
15	MP1A	X	3.544	3.544	0	%100
16	MP1A	Z	2.046	2.046	0	%100
17	MP5A	X	3.544	3.544	0	%100
18	MP5A	Z	2.046	2.046	0	%100
19	MP4A	X	3.544	3.544	0	%100
20	MP4A	Z	2.046	2.046	0	%100
21	MP2A	X	3.544	3.544	0	%100
22	MP2A	Z	2.046	2.046	0	%100
23	MP6B	X	3.525	3.525	0	%100
24	MP6B	Z	2.035	2.035	0	%100
25	MP3A	X	3.899	3.899	0	%100
26	MP3A	Z	2.251	2.251	0	%100
27	P6B	X	3.544	3.544	0	%100
28	P6B	Z	2.046	2.046	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	FACEB	X	4.677	4.677	0	%100
2	FACEB	Z	8.101	8.101	0	%100
3	MP1B	X	2.046	2.046	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	MP1B	Z	3.544	3.544	0	%100
5	MP5B	X	2.046	2.046	0	%100
6	MP5B	Z	3.544	3.544	0	%100
7	MP4B	X	2.046	2.046	0	%100
8	MP4B	Z	3.544	3.544	0	%100
9	MP3B	X	2.046	2.046	0	%100
10	MP3B	Z	3.544	3.544	0	%100
11	MP2B	X	2.251	2.251	0	%100
12	MP2B	Z	3.899	3.899	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	2.046	2.046	0	%100
16	MP1A	Z	3.544	3.544	0	%100
17	MP5A	X	2.046	2.046	0	%100
18	MP5A	Z	3.544	3.544	0	%100
19	MP4A	X	2.046	2.046	0	%100
20	MP4A	Z	3.544	3.544	0	%100
21	MP2A	X	2.046	2.046	0	%100
22	MP2A	Z	3.544	3.544	0	%100
23	MP6B	X	2.035	2.035	0	%100
24	MP6B	Z	3.525	3.525	0	%100
25	MP3A	X	2.251	2.251	0	%100
26	MP3A	Z	3.899	3.899	0	%100
27	P6B	X	2.046	2.046	0	%100
28	P6B	Z	3.544	3.544	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	FACEB	X	0	0	0	%100
2	FACEB	Z	12.473	12.473	0	%100
3	MP1B	X	0	0	0	%100
4	MP1B	Z	4.092	4.092	0	%100
5	MP5B	X	0	0	0	%100
6	MP5B	Z	4.092	4.092	0	%100
7	MP4B	X	0	0	0	%100
8	MP4B	Z	4.092	4.092	0	%100
9	MP3B	X	0	0	0	%100
10	MP3B	Z	4.092	4.092	0	%100
11	MP2B	X	0	0	0	%100
12	MP2B	Z	4.502	4.502	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	3.118	3.118	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	4.092	4.092	0	%100
17	MP5A	X	0	0	0	%100
18	MP5A	Z	4.092	4.092	0	%100
19	MP4A	X	0	0	0	%100
20	MP4A	Z	4.092	4.092	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	4.092	4.092	0	%100
23	MP6B	X	0	0	0	%100
24	MP6B	Z	4.07	4.07	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	4.502	4.502	0	%100
27	P6B	X	0	0	0	%100
28	P6B	Z	4.092	4.092	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	FACEB	X	-4.677	-4.677	0	%100
2	FACEB	Z	8.101	8.101	0	%100
3	MP1B	X	-2.046	-2.046	0	%100
4	MP1B	Z	3.544	3.544	0	%100
5	MP5B	X	-2.046	-2.046	0	%100
6	MP5B	Z	3.544	3.544	0	%100
7	MP4B	X	-2.046	-2.046	0	%100
8	MP4B	Z	3.544	3.544	0	%100
9	MP3B	X	-2.046	-2.046	0	%100
10	MP3B	Z	3.544	3.544	0	%100
11	MP2B	X	-2.251	-2.251	0	%100
12	MP2B	Z	3.899	3.899	0	%100
13	FACEA	X	-4.677	-4.677	0	%100
14	FACEA	Z	8.101	8.101	0	%100
15	MP1A	X	-2.046	-2.046	0	%100
16	MP1A	Z	3.544	3.544	0	%100
17	MP5A	X	-2.046	-2.046	0	%100
18	MP5A	Z	3.544	3.544	0	%100
19	MP4A	X	-2.046	-2.046	0	%100
20	MP4A	Z	3.544	3.544	0	%100
21	MP2A	X	-2.046	-2.046	0	%100
22	MP2A	Z	3.544	3.544	0	%100
23	MP6B	X	-2.035	-2.035	0	%100
24	MP6B	Z	3.525	3.525	0	%100
25	MP3A	X	-2.251	-2.251	0	%100
26	MP3A	Z	3.899	3.899	0	%100
27	P6B	X	-2.046	-2.046	0	%100
28	P6B	Z	3.544	3.544	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	FACEB	X	-2.7	-2.7	0	%100
2	FACEB	Z	1.559	1.559	0	%100
3	MP1B	X	-3.544	-3.544	0	%100
4	MP1B	Z	2.046	2.046	0	%100
5	MP5B	X	-3.544	-3.544	0	%100
6	MP5B	Z	2.046	2.046	0	%100
7	MP4B	X	-3.544	-3.544	0	%100
8	MP4B	Z	2.046	2.046	0	%100
9	MP3B	X	-3.544	-3.544	0	%100
10	MP3B	Z	2.046	2.046	0	%100
11	MP2B	X	-3.899	-3.899	0	%100
12	MP2B	Z	2.251	2.251	0	%100
13	FACEA	X	-10.802	-10.802	0	%100
14	FACEA	Z	6.236	6.236	0	%100
15	MP1A	X	-3.544	-3.544	0	%100
16	MP1A	Z	2.046	2.046	0	%100
17	MP5A	X	-3.544	-3.544	0	%100
18	MP5A	Z	2.046	2.046	0	%100
19	MP4A	X	-3.544	-3.544	0	%100
20	MP4A	Z	2.046	2.046	0	%100
21	MP2A	X	-3.544	-3.544	0	%100
22	MP2A	Z	2.046	2.046	0	%100
23	MP6B	X	-3.525	-3.525	0	%100
24	MP6B	Z	2.035	2.035	0	%100
25	MP3A	X	-3.899	-3.899	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,%]
26	MP3A	Z	2.251	2.251	0	%100
27	P6B	X	-3.544	-3.544	0	%100
28	P6B	Z	2.046	2.046	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	FACEB	X	0	0	0	%100
2	FACEB	Z	0	0	0	%100
3	MP1B	X	-4.092	-4.092	0	%100
4	MP1B	Z	0	0	0	%100
5	MP5B	X	-4.092	-4.092	0	%100
6	MP5B	Z	0	0	0	%100
7	MP4B	X	-4.092	-4.092	0	%100
8	MP4B	Z	0	0	0	%100
9	MP3B	X	-4.092	-4.092	0	%100
10	MP3B	Z	0	0	0	%100
11	MP2B	X	-4.502	-4.502	0	%100
12	MP2B	Z	0	0	0	%100
13	FACEA	X	-9.354	-9.354	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	-4.092	-4.092	0	%100
16	MP1A	Z	0	0	0	%100
17	MP5A	X	-4.092	-4.092	0	%100
18	MP5A	Z	0	0	0	%100
19	MP4A	X	-4.092	-4.092	0	%100
20	MP4A	Z	0	0	0	%100
21	MP2A	X	-4.092	-4.092	0	%100
22	MP2A	Z	0	0	0	%100
23	MP6B	X	-4.07	-4.07	0	%100
24	MP6B	Z	0	0	0	%100
25	MP3A	X	-4.502	-4.502	0	%100
26	MP3A	Z	0	0	0	%100
27	P6B	X	-4.092	-4.092	0	%100
28	P6B	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	FACEB	X	-2.7	-2.7	0	%100
2	FACEB	Z	-1.559	-1.559	0	%100
3	MP1B	X	-3.544	-3.544	0	%100
4	MP1B	Z	-2.046	-2.046	0	%100
5	MP5B	X	-3.544	-3.544	0	%100
6	MP5B	Z	-2.046	-2.046	0	%100
7	MP4B	X	-3.544	-3.544	0	%100
8	MP4B	Z	-2.046	-2.046	0	%100
9	MP3B	X	-3.544	-3.544	0	%100
10	MP3B	Z	-2.046	-2.046	0	%100
11	MP2B	X	-3.899	-3.899	0	%100
12	MP2B	Z	-2.251	-2.251	0	%100
13	FACEA	X	-2.7	-2.7	0	%100
14	FACEA	Z	-1.559	-1.559	0	%100
15	MP1A	X	-3.544	-3.544	0	%100
16	MP1A	Z	-2.046	-2.046	0	%100
17	MP5A	X	-3.544	-3.544	0	%100
18	MP5A	Z	-2.046	-2.046	0	%100
19	MP4A	X	-3.544	-3.544	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,%]
20	MP4A	Z	-2.046	-2.046	0	%100
21	MP2A	X	-3.544	-3.544	0	%100
22	MP2A	Z	-2.046	-2.046	0	%100
23	MP6B	X	-3.525	-3.525	0	%100
24	MP6B	Z	-2.035	-2.035	0	%100
25	MP3A	X	-3.899	-3.899	0	%100
26	MP3A	Z	-2.251	-2.251	0	%100
27	P6B	X	-3.544	-3.544	0	%100
28	P6B	Z	-2.046	-2.046	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	FACEB	X	-4.677	-4.677	0	%100
2	FACEB	Z	-8.101	-8.101	0	%100
3	MP1B	X	-2.046	-2.046	0	%100
4	MP1B	Z	-3.544	-3.544	0	%100
5	MP5B	X	-2.046	-2.046	0	%100
6	MP5B	Z	-3.544	-3.544	0	%100
7	MP4B	X	-2.046	-2.046	0	%100
8	MP4B	Z	-3.544	-3.544	0	%100
9	MP3B	X	-2.046	-2.046	0	%100
10	MP3B	Z	-3.544	-3.544	0	%100
11	MP2B	X	-2.251	-2.251	0	%100
12	MP2B	Z	-3.899	-3.899	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	-2.046	-2.046	0	%100
16	MP1A	Z	-3.544	-3.544	0	%100
17	MP5A	X	-2.046	-2.046	0	%100
18	MP5A	Z	-3.544	-3.544	0	%100
19	MP4A	X	-2.046	-2.046	0	%100
20	MP4A	Z	-3.544	-3.544	0	%100
21	MP2A	X	-2.046	-2.046	0	%100
22	MP2A	Z	-3.544	-3.544	0	%100
23	MP6B	X	-2.035	-2.035	0	%100
24	MP6B	Z	-3.525	-3.525	0	%100
25	MP3A	X	-2.251	-2.251	0	%100
26	MP3A	Z	-3.899	-3.899	0	%100
27	P6B	X	-2.046	-2.046	0	%100
28	P6B	Z	-3.544	-3.544	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	FACEB	X	0	0	0	%100
2	FACEB	Z	-3.718	-3.718	0	%100
3	MP1B	X	0	0	0	%100
4	MP1B	Z	-.701	-.701	0	%100
5	MP5B	X	0	0	0	%100
6	MP5B	Z	-.701	-.701	0	%100
7	MP4B	X	0	0	0	%100
8	MP4B	Z	-.701	-.701	0	%100
9	MP3B	X	0	0	0	%100
10	MP3B	Z	-.701	-.701	0	%100
11	MP2B	X	0	0	0	%100
12	MP2B	Z	-.848	-.848	0	%100
13	FACEA	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
14	FACEA	Z	-.929	-.929	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-.701	-.701	0	%100
17	MP5A	X	0	0	0	%100
18	MP5A	Z	-.701	-.701	0	%100
19	MP4A	X	0	0	0	%100
20	MP4A	Z	-.701	-.701	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	-.701	-.701	0	%100
23	MP6B	X	0	0	0	%100
24	MP6B	Z	-.701	-.701	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	-.848	-.848	0	%100
27	P6B	X	0	0	0	%100
28	P6B	Z	-.701	-.701	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	FACEB	X	1.394	1.394	0	%100
2	FACEB	Z	-2.415	-2.415	0	%100
3	MP1B	X	.35	.35	0	%100
4	MP1B	Z	-.607	-.607	0	%100
5	MP5B	X	.35	.35	0	%100
6	MP5B	Z	-.607	-.607	0	%100
7	MP4B	X	.35	.35	0	%100
8	MP4B	Z	-.607	-.607	0	%100
9	MP3B	X	.35	.35	0	%100
10	MP3B	Z	-.607	-.607	0	%100
11	MP2B	X	.424	.424	0	%100
12	MP2B	Z	-.735	-.735	0	%100
13	FACEA	X	1.394	1.394	0	%100
14	FACEA	Z	-2.415	-2.415	0	%100
15	MP1A	X	.35	.35	0	%100
16	MP1A	Z	-.607	-.607	0	%100
17	MP5A	X	.35	.35	0	%100
18	MP5A	Z	-.607	-.607	0	%100
19	MP4A	X	.35	.35	0	%100
20	MP4A	Z	-.607	-.607	0	%100
21	MP2A	X	.35	.35	0	%100
22	MP2A	Z	-.607	-.607	0	%100
23	MP6B	X	.35	.35	0	%100
24	MP6B	Z	-.607	-.607	0	%100
25	MP3A	X	.424	.424	0	%100
26	MP3A	Z	-.735	-.735	0	%100
27	P6B	X	.35	.35	0	%100
28	P6B	Z	-.607	-.607	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	FACEB	X	.805	.805	0	%100
2	FACEB	Z	-.465	-.465	0	%100
3	MP1B	X	.607	.607	0	%100
4	MP1B	Z	-.35	-.35	0	%100
5	MP5B	X	.607	.607	0	%100
6	MP5B	Z	-.35	-.35	0	%100
7	MP4B	X	.607	.607	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,%]
8	MP4B	Z	-.35	-.35	0	%100
9	MP3B	X	.607	.607	0	%100
10	MP3B	Z	-.35	-.35	0	%100
11	MP2B	X	.735	.735	0	%100
12	MP2B	Z	-.424	-.424	0	%100
13	FACEA	X	3.22	3.22	0	%100
14	FACEA	Z	-1.859	-1.859	0	%100
15	MP1A	X	.607	.607	0	%100
16	MP1A	Z	-.35	-.35	0	%100
17	MP5A	X	.607	.607	0	%100
18	MP5A	Z	-.35	-.35	0	%100
19	MP4A	X	.607	.607	0	%100
20	MP4A	Z	-.35	-.35	0	%100
21	MP2A	X	.607	.607	0	%100
22	MP2A	Z	-.35	-.35	0	%100
23	MP6B	X	.607	.607	0	%100
24	MP6B	Z	-.35	-.35	0	%100
25	MP3A	X	.735	.735	0	%100
26	MP3A	Z	-.424	-.424	0	%100
27	P6B	X	.607	.607	0	%100
28	P6B	Z	-.35	-.35	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	FACEB	X	0	0	0	%100
2	FACEB	Z	0	0	0	%100
3	MP1B	X	.701	.701	0	%100
4	MP1B	Z	0	0	0	%100
5	MP5B	X	.701	.701	0	%100
6	MP5B	Z	0	0	0	%100
7	MP4B	X	.701	.701	0	%100
8	MP4B	Z	0	0	0	%100
9	MP3B	X	.701	.701	0	%100
10	MP3B	Z	0	0	0	%100
11	MP2B	X	.848	.848	0	%100
12	MP2B	Z	0	0	0	%100
13	FACEA	X	2.788	2.788	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	.701	.701	0	%100
16	MP1A	Z	0	0	0	%100
17	MP5A	X	.701	.701	0	%100
18	MP5A	Z	0	0	0	%100
19	MP4A	X	.701	.701	0	%100
20	MP4A	Z	0	0	0	%100
21	MP2A	X	.701	.701	0	%100
22	MP2A	Z	0	0	0	%100
23	MP6B	X	.701	.701	0	%100
24	MP6B	Z	0	0	0	%100
25	MP3A	X	.848	.848	0	%100
26	MP3A	Z	0	0	0	%100
27	P6B	X	.701	.701	0	%100
28	P6B	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	FACEB	X	.805	.805	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,%]
2	FACEB	Z	.465	.465	0	%100
3	MP1B	X	.607	.607	0	%100
4	MP1B	Z	.35	.35	0	%100
5	MP5B	X	.607	.607	0	%100
6	MP5B	Z	.35	.35	0	%100
7	MP4B	X	.607	.607	0	%100
8	MP4B	Z	.35	.35	0	%100
9	MP3B	X	.607	.607	0	%100
10	MP3B	Z	.35	.35	0	%100
11	MP2B	X	.735	.735	0	%100
12	MP2B	Z	.424	.424	0	%100
13	FACEA	X	.805	.805	0	%100
14	FACEA	Z	.465	.465	0	%100
15	MP1A	X	.607	.607	0	%100
16	MP1A	Z	.35	.35	0	%100
17	MP5A	X	.607	.607	0	%100
18	MP5A	Z	.35	.35	0	%100
19	MP4A	X	.607	.607	0	%100
20	MP4A	Z	.35	.35	0	%100
21	MP2A	X	.607	.607	0	%100
22	MP2A	Z	.35	.35	0	%100
23	MP6B	X	.607	.607	0	%100
24	MP6B	Z	.35	.35	0	%100
25	MP3A	X	.735	.735	0	%100
26	MP3A	Z	.424	.424	0	%100
27	P6B	X	.607	.607	0	%100
28	P6B	Z	.35	.35	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	FACEB	X	1.394	1.394	0	%100
2	FACEB	Z	2.415	2.415	0	%100
3	MP1B	X	.35	.35	0	%100
4	MP1B	Z	.607	.607	0	%100
5	MP5B	X	.35	.35	0	%100
6	MP5B	Z	.607	.607	0	%100
7	MP4B	X	.35	.35	0	%100
8	MP4B	Z	.607	.607	0	%100
9	MP3B	X	.35	.35	0	%100
10	MP3B	Z	.607	.607	0	%100
11	MP2B	X	.424	.424	0	%100
12	MP2B	Z	.735	.735	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	.35	.35	0	%100
16	MP1A	Z	.607	.607	0	%100
17	MP5A	X	.35	.35	0	%100
18	MP5A	Z	.607	.607	0	%100
19	MP4A	X	.35	.35	0	%100
20	MP4A	Z	.607	.607	0	%100
21	MP2A	X	.35	.35	0	%100
22	MP2A	Z	.607	.607	0	%100
23	MP6B	X	.35	.35	0	%100
24	MP6B	Z	.607	.607	0	%100
25	MP3A	X	.424	.424	0	%100
26	MP3A	Z	.735	.735	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,%]
27	P6B	X	.35	.35	0	%100
28	P6B	Z	.607	.607	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	FACEB	X	0	0	0	%100
2	FACEB	Z	3.718	3.718	0	%100
3	MP1B	X	0	0	0	%100
4	MP1B	Z	.701	.701	0	%100
5	MP5B	X	0	0	0	%100
6	MP5B	Z	.701	.701	0	%100
7	MP4B	X	0	0	0	%100
8	MP4B	Z	.701	.701	0	%100
9	MP3B	X	0	0	0	%100
10	MP3B	Z	.701	.701	0	%100
11	MP2B	X	0	0	0	%100
12	MP2B	Z	.848	.848	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	.929	.929	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	.701	.701	0	%100
17	MP5A	X	0	0	0	%100
18	MP5A	Z	.701	.701	0	%100
19	MP4A	X	0	0	0	%100
20	MP4A	Z	.701	.701	0	%100
21	MP2A	X	0	0	0	%100
22	MP2A	Z	.701	.701	0	%100
23	MP6B	X	0	0	0	%100
24	MP6B	Z	.701	.701	0	%100
25	MP3A	X	0	0	0	%100
26	MP3A	Z	.848	.848	0	%100
27	P6B	X	0	0	0	%100
28	P6B	Z	.701	.701	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	FACEB	X	-1.394	-1.394	0	%100
2	FACEB	Z	2.415	2.415	0	%100
3	MP1B	X	-.35	-.35	0	%100
4	MP1B	Z	.607	.607	0	%100
5	MP5B	X	-.35	-.35	0	%100
6	MP5B	Z	.607	.607	0	%100
7	MP4B	X	-.35	-.35	0	%100
8	MP4B	Z	.607	.607	0	%100
9	MP3B	X	-.35	-.35	0	%100
10	MP3B	Z	.607	.607	0	%100
11	MP2B	X	-.424	-.424	0	%100
12	MP2B	Z	.735	.735	0	%100
13	FACEA	X	-1.394	-1.394	0	%100
14	FACEA	Z	2.415	2.415	0	%100
15	MP1A	X	-.35	-.35	0	%100
16	MP1A	Z	.607	.607	0	%100
17	MP5A	X	-.35	-.35	0	%100
18	MP5A	Z	.607	.607	0	%100
19	MP4A	X	-.35	-.35	0	%100
20	MP4A	Z	.607	.607	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,%]
21	MP2A	X	-.35	-.35	0	%100
22	MP2A	Z	.607	.607	0	%100
23	MP6B	X	-.35	-.35	0	%100
24	MP6B	Z	.607	.607	0	%100
25	MP3A	X	-.424	-.424	0	%100
26	MP3A	Z	.735	.735	0	%100
27	P6B	X	-.35	-.35	0	%100
28	P6B	Z	.607	.607	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	FACEB	X	-.805	-.805	0	%100
2	FACEB	Z	.465	.465	0	%100
3	MP1B	X	-.607	-.607	0	%100
4	MP1B	Z	.35	.35	0	%100
5	MP5B	X	-.607	-.607	0	%100
6	MP5B	Z	.35	.35	0	%100
7	MP4B	X	-.607	-.607	0	%100
8	MP4B	Z	.35	.35	0	%100
9	MP3B	X	-.607	-.607	0	%100
10	MP3B	Z	.35	.35	0	%100
11	MP2B	X	-.735	-.735	0	%100
12	MP2B	Z	.424	.424	0	%100
13	FACEA	X	-3.22	-3.22	0	%100
14	FACEA	Z	1.859	1.859	0	%100
15	MP1A	X	-.607	-.607	0	%100
16	MP1A	Z	.35	.35	0	%100
17	MP5A	X	-.607	-.607	0	%100
18	MP5A	Z	.35	.35	0	%100
19	MP4A	X	-.607	-.607	0	%100
20	MP4A	Z	.35	.35	0	%100
21	MP2A	X	-.607	-.607	0	%100
22	MP2A	Z	.35	.35	0	%100
23	MP6B	X	-.607	-.607	0	%100
24	MP6B	Z	.35	.35	0	%100
25	MP3A	X	-.735	-.735	0	%100
26	MP3A	Z	.424	.424	0	%100
27	P6B	X	-.607	-.607	0	%100
28	P6B	Z	.35	.35	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	FACEB	X	0	0	0	%100
2	FACEB	Z	0	0	0	%100
3	MP1B	X	-.701	-.701	0	%100
4	MP1B	Z	0	0	0	%100
5	MP5B	X	-.701	-.701	0	%100
6	MP5B	Z	0	0	0	%100
7	MP4B	X	-.701	-.701	0	%100
8	MP4B	Z	0	0	0	%100
9	MP3B	X	-.701	-.701	0	%100
10	MP3B	Z	0	0	0	%100
11	MP2B	X	-.848	-.848	0	%100
12	MP2B	Z	0	0	0	%100
13	FACEA	X	-2.788	-2.788	0	%100
14	FACEA	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,%]
15	MP1A	X	-.701	-.701	0	%100
16	MP1A	Z	0	0	0	%100
17	MP5A	X	-.701	-.701	0	%100
18	MP5A	Z	0	0	0	%100
19	MP4A	X	-.701	-.701	0	%100
20	MP4A	Z	0	0	0	%100
21	MP2A	X	-.701	-.701	0	%100
22	MP2A	Z	0	0	0	%100
23	MP6B	X	-.701	-.701	0	%100
24	MP6B	Z	0	0	0	%100
25	MP3A	X	-.848	-.848	0	%100
26	MP3A	Z	0	0	0	%100
27	P6B	X	-.701	-.701	0	%100
28	P6B	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	FACEB	X	-.805	-.805	0	%100
2	FACEB	Z	-.465	-.465	0	%100
3	MP1B	X	-.607	-.607	0	%100
4	MP1B	Z	-.35	-.35	0	%100
5	MP5B	X	-.607	-.607	0	%100
6	MP5B	Z	-.35	-.35	0	%100
7	MP4B	X	-.607	-.607	0	%100
8	MP4B	Z	-.35	-.35	0	%100
9	MP3B	X	-.607	-.607	0	%100
10	MP3B	Z	-.35	-.35	0	%100
11	MP2B	X	-.735	-.735	0	%100
12	MP2B	Z	-.424	-.424	0	%100
13	FACEA	X	-.805	-.805	0	%100
14	FACEA	Z	-.465	-.465	0	%100
15	MP1A	X	-.607	-.607	0	%100
16	MP1A	Z	-.35	-.35	0	%100
17	MP5A	X	-.607	-.607	0	%100
18	MP5A	Z	-.35	-.35	0	%100
19	MP4A	X	-.607	-.607	0	%100
20	MP4A	Z	-.35	-.35	0	%100
21	MP2A	X	-.607	-.607	0	%100
22	MP2A	Z	-.35	-.35	0	%100
23	MP6B	X	-.607	-.607	0	%100
24	MP6B	Z	-.35	-.35	0	%100
25	MP3A	X	-.735	-.735	0	%100
26	MP3A	Z	-.424	-.424	0	%100
27	P6B	X	-.607	-.607	0	%100
28	P6B	Z	-.35	-.35	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	FACEB	X	-1.394	-1.394	0	%100
2	FACEB	Z	-2.415	-2.415	0	%100
3	MP1B	X	-.35	-.35	0	%100
4	MP1B	Z	-.607	-.607	0	%100
5	MP5B	X	-.35	-.35	0	%100
6	MP5B	Z	-.607	-.607	0	%100
7	MP4B	X	-.35	-.35	0	%100
8	MP4B	Z	-.607	-.607	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,%]
9	MP3B	X	-.35	-.35	0	%100
10	MP3B	Z	-.607	-.607	0	%100
11	MP2B	X	-.424	-.424	0	%100
12	MP2B	Z	-.735	-.735	0	%100
13	FACEA	X	0	0	0	%100
14	FACEA	Z	0	0	0	%100
15	MP1A	X	-.35	-.35	0	%100
16	MP1A	Z	-.607	-.607	0	%100
17	MP5A	X	-.35	-.35	0	%100
18	MP5A	Z	-.607	-.607	0	%100
19	MP4A	X	-.35	-.35	0	%100
20	MP4A	Z	-.607	-.607	0	%100
21	MP2A	X	-.35	-.35	0	%100
22	MP2A	Z	-.607	-.607	0	%100
23	MP6B	X	-.35	-.35	0	%100
24	MP6B	Z	-.607	-.607	0	%100
25	MP3A	X	-.424	-.424	0	%100
26	MP3A	Z	-.735	-.735	0	%100
27	P6B	X	-.35	-.35	0	%100
28	P6B	Z	-.607	-.607	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

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	N71	max	3462.675	9	3942.031	8	303.431	10	0	75	0	75	0	75
2		min	-3463.39	3	-2114.483	2	-302.479	4	0	1	0	1	0	1
3	N67B	max	3462.675	9	6919.802	30	631.725	2	0	75	0	75	0	75
4		min	-3463.39	3	-1221.674	12	-630.649	8	0	1	0	1	0	1
5	N72	max	2830.221	3	1207.192	12	240.057	1	0	75	0	75	0	75
6		min	-2829.494	9	-5888.919	30	-240.124	7	0	1	0	1	0	1
7	N68C	max	2830.221	3	2028.524	2	346.714	2	0	75	0	75	0	75
8		min	-2829.494	9	-3567.039	32	-346.594	8	0	1	0	1	0	1
9	N96	max	2060.477	1	3479.964	2	3044.366	1	0	75	0	75	0	75
10		min	-2060.986	7	-1026.042	8	-3045.051	7	0	1	0	1	0	1
11	N97	max	1295.638	7	537.141	10	2937.924	7	0	75	0	75	0	75
12		min	-1295.289	1	-4510.71	16	-2937.129	1	0	1	0	1	0	1
13	N100	max	1368.541	1	5044.985	16	3443.855	1	0	75	0	75	0	75
14		min	-1368.857	7	-297.883	10	-3444.652	7	0	1	0	1	0	1
15	N101	max	2134.239	7	1275.443	8	2453.757	7	0	75	0	75	0	75
16		min	-2133.702	1	-3210.278	2	-2453.071	1	0	1	0	1	0	1
17	N121	max	1683.808	7	7324.416	22	4532	1	0	75	0	75	0	75
18		min	-1683.227	1	-710.386	4	-4533.562	7	0	1	0	1	0	1
19	N122	max	2351.851	1	1790.3	6	3482.555	7	0	75	0	75	0	75
20		min	-2352.714	7	-3981.705	24	-3481.138	1	0	1	0	1	0	1
21	N123	max	1672.192	9	4735.395	10	3448.036	3	0	75	0	75	0	75
22		min	-1672.572	3	-2443.719	4	-3447.149	9	0	1	0	1	0	1
23	N124	max	1980.026	3	1930.025	6	2703.094	9	0	75	0	75	0	75
24		min	-1979.443	9	-5166.647	12	-2703.88	3	0	1	0	1	0	1
25	N125	max	2793.343	7	4381.53	24	3891.674	1	0	75	0	75	0	75
26		min	-2792.304	1	-1855.827	6	-3892.972	7	0	1	0	1	0	1
27	N126	max	2123.652	1	887.599	4	3614.332	7	0	75	0	75	0	75

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
28		min	-2124.471	7	-6258.878	22	-3612.888	1	0	1	0	1	0	1
29	N127	max	2394.585	9	5646.577	12	3030.837	3	0	75	0	75	0	75
30		min	-2395.182	3	-1872.643	6	-3030.075	9	0	1	0	1	0	1
31	N128	max	1106.235	3	2619.703	4	3207.455	9	0	75	0	75	0	75
32		min	-1105.865	9	-4374.067	10	-3208.364	3	0	1	0	1	0	1
33	Totals:	max	4381.758	10	4914.548	21	4616.59	1						
34		min	-4381.758	4	1529.138	66	-4616.59	7						

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

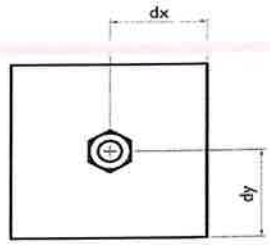
	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	FACEB	W8X24	.364	2.444	1	.722	6.569	z	1	132646....	318600	32.138	86.625	2....	H1-1b
2	MP1B	PIPE_2.0	.416	4.818	9	.065	4.818		12	20114.4...	32130	1.872	1.872	1....	H1-1b
3	MP5B	PIPE_2.0	.415	4.818	9	.065	4.818		12	20114.4...	32130	1.872	1.872	1....	H1-1b
4	MP4B	PIPE_2.0	.244	4.557	10	.046	4.557		3	20114.4...	32130	1.872	1.872	3....	H1-1b
5	MP3B	PIPE_2.0	.182	4.479	10	.024	4.479		12	17356.7...	32130	1.872	1.872	2....	H1-1b
6	MP2B	PIPE_2.5	.386	5.125	10	.092	5.125		1	37773.8...	50715	3.596	3.596	1....	H1-1b
7	FACEA	W8X24	.273	12.222	9	.608	8.097	z	9	132646....	318600	32.138	86.625	2....	H1-1b
8	MP1A	PIPE_2.0	.413	4.818	6	.064	4.818		9	20114.4...	32130	1.872	1.872	1....	H1-1b
9	MP5A	PIPE_2.0	.413	4.818	6	.065	4.818		9	20114.4...	32130	1.872	1.872	1....	H1-1b
10	MP4A	PIPE_2.0	.605	4.875	6	.088	4.875		10	20866.7...	32130	1.872	1.872	1....	H1-1b
11	MP2A	PIPE_2.0	.149	4.557	6	.026	4.557		8	20114.4...	32130	1.872	1.872	2....	H1-1b
12	MP6B	PIPE_2.0	.063	4.5	9	.005	4.5		9	22845.3...	32130	1.872	1.872	1....	H1-1b
13	MP3A	PIPE_2.5	.630	6.122	6	.106	6.122		9	33311.7...	50715	3.596	3.596	1....	H1-1b
14	P6B	PIPE_2.0	.113	6.122	1	.007	6.122		1	17356.7...	32130	1.872	1.872	1	H1-1b

VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	11/10/2023
Site Name:	DANBURY S CT		
MDG #:	5000383050		
Fuze ID #:	17123952	Page:	1
			Version 1.01

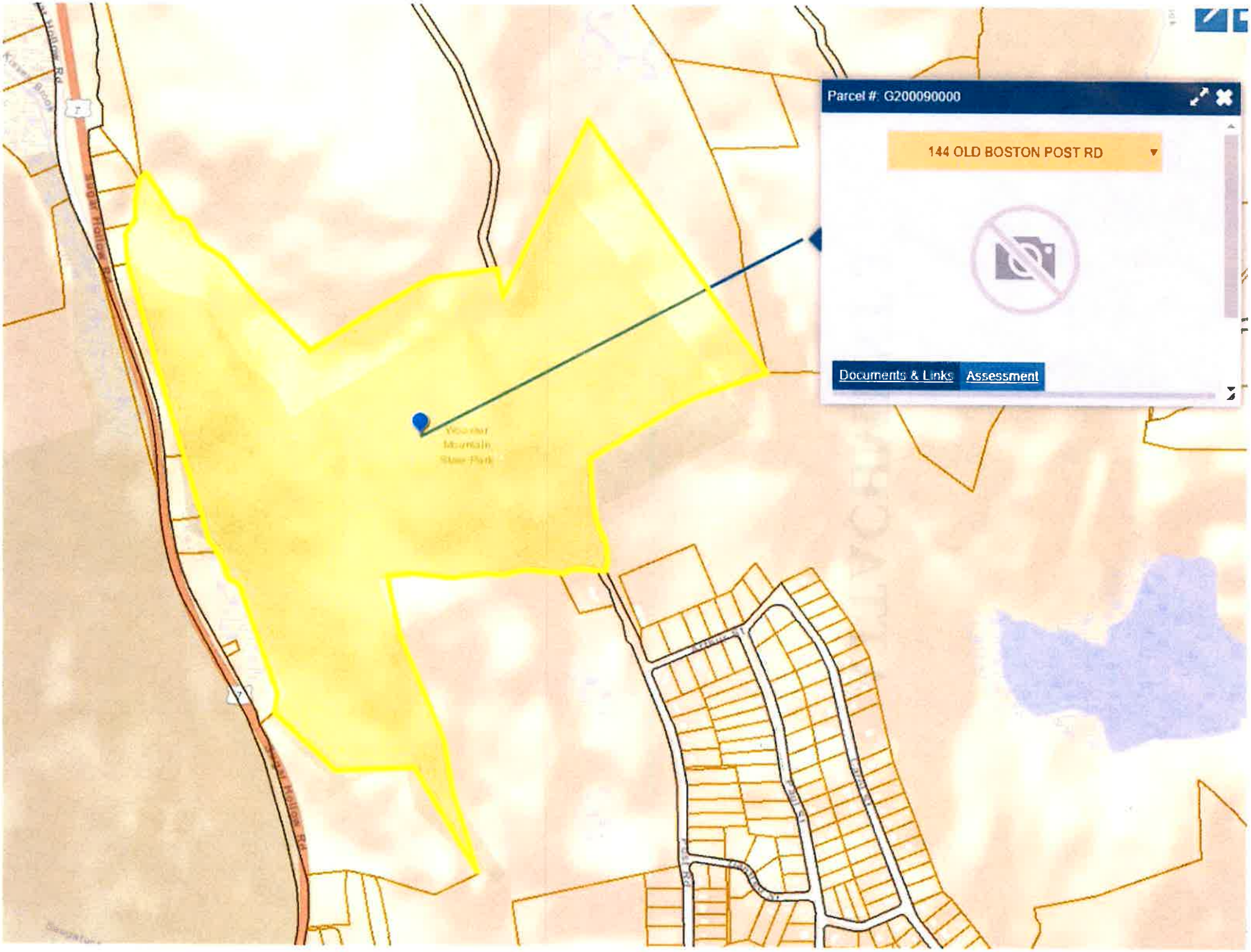
I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Vertical (bottom)
Bolt Quantity per Reaction:	1
d_x (in) *(Delta X of typ. bolt config. sketch)*:	2
d_y (in) *(Delta Y of typ. bolt config. sketch)*:	2
Bolt Type:	A325N
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	1.3
Required Shear Strength / bolt (kips):	4.4
Tensile Capacity / bolt (kips):	13.3
Shear Capacity / bolt (kips):	8.0
Bolt Overall Utilization:	55.9%
Tower Connection Baseplate Checks	No



NO MOMENT RESISTANCE

ATTACHMENT 3


Parcel #: G200090000
144 OLD BOSTON POST RD
Documents & Links
Assessment
Sugar Hollow Rd

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2022.

DANBURY • CT

ASSESSOR'S OFFICE

Information on the Property Records for the Municipality of Danbury was last updated on 4/10/2024.

Parcel Information

Location:	144 OLD BOSTON POST RD	Property Use:	Vacant Land	Primary Use:	PA490
Unique ID:	G20009-1	Map Block Lot:	G20 9 1	Acres:	91.3000
490 Acres:	91.30	Zone:	RA80	Volume / Page:	
Developers Map / Lot:		Census:	2105		

Location:	144 OLD BOSTON POST RD	Property Use:	Vacant Land	Primary Use:	PA490
Unique ID:	G20009-1	Map Block Lot:	G20 9 1	Acres:	91.3000
490 Acres:	91.30	Zone:	RA80	Volume / Page:	
Developers Map / Lot:		Census:	2105		

Value Information

	Appraised Value	Assessed Value
Land	821,700	24,920
Buildings	0	0
Detached Outbuildings	0	0
Total	821,700	24,920

Owner's Information

Owner's Data

STATE OF CONNECTICUT
PARK
210 CAPITOL AVE STE 1
HARTFORD, CT 06106

Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
STATE OF CONNECTICUT	0000	0000			$0

Building Permits

Permit Number	Permit Type	Date Opened	Reason
59483	Miscellaneous	12/13/2016	3 ANTENMNAS
57171	Building		REPLACING 6 ANTENNAS

ATTACHMENT 4

Verizon/Danbury South

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	quadient CORRECTION IMI $003.34 04/17/2024 ZIP 06101 043M32208619 US POSTAGE
	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.	Roberto Alves, Mayor City of Danbury 155 Deer Hill Avenue Danbury, CT 06810				
2.	Jennifer Emminger, AICP, Deputy Planning Director City of Danbury 155 Deer Hill Avenue Danbury, CT 06810				
3.	State of Connecticut 210 Capitol Avenue, Suite 1 Hartford, CT 06106				
4.					
5.					
6.					

OLD STATE HOUSE POST OFFICE APR 17 2024 HARTFORD, CT 06103

See Reverse for Instructions