Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

October 23, 2023

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Facility Modification**
689 (a/k/a 695) Old Colchester Road, Montville (Uncasville), Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower was approved by the Town of Montville in June of 1984. Cellco's shared use of the tower was approved by the Council in April 1988. Copies of the original tower approval and Cellco's shared use approval are included in Attachment 1.

Cellco's proposed modification involves the installation of six (6) interference mitigation filters ("Filters") on its existing antenna platform and antenna mounting assembly. The Filter specifications are included in Attachment 2.

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

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

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

Robinson+Cole

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

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

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

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

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

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Ronald K. McDaniel, Montville Mayor
Liz Burdick, Montville Town Planner
Atlantic Broadband (CT) LLC, Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

TOWN OF MONTVILLE

The Zoning & Planning Commission

Town Planner/Zoning Enforcement Officer
310 Norwich-New London Tpke.
Uncasville, Connecticut 06382

848-8549

LEGAL NOTICE

NOTICE IS HEREBY GIVEN THAT THE MONTVILLE ZONING AND PLANNING COMMISSION WILL HOLD PUBLIC HEARINGS IN MONTVILLE TOWN HALL ON TUESDAY, JUNE 12, 1984 AT 7:30 P.M. ON THE FOLLOWING PETITIONS:

THOMAS G. FARIA CORP: REQUEST FOR SPECIAL PERMIT APPROVAL TO EXCAVATE 5600 CUBIC YARDS TO ENLARGE PARKING AREA AT PROPERTY LOCATED ALONG PINK ROW, MONTVILLE, CT. (MAP 74, LOT 38).

MONTVILLE V.F.W. POST #10060: REQUEST FOR SPECIAL PERMIT APPROVAL TO FILL AT PROPERTY LOCATED ALONG ROUTE 32, MONTVILLE, CT. (MAP 86, LOT 8).

TUOMO LAAKSO: REQUEST FOR ZONE CHANGE FROM RA-40 TO RA-20 FOR PROPERTY OF JOHN TEPHLY ALONG OLD COLCHESTER ROAD, MONTVILLE, CT., A PORTION OF LOT 11 ON MAP 44 (8.09 ACRES) BOUNDED ON THE SOUTH BY OLD COLCHESTER ROAD, ON THE WEST BY LOTS 10 and 11A ON MAP 44, ON THE NORTH BY THE FUTURE EXTENSION OF SHORT ROAD TO BE KNOWN AS LIBERTY ROAD, AND ON THE EAST BY LOTS 12, 13, 14, 15, 16, 17, 18, 19, 20 ON MAP 97.

EASTERN CONNECTICUT CABLE T.V.: REQUEST FOR SPECIAL PERMIT APPROVAL TO ERECT A 370 FOOT TELEVISION TOWER AT PROPERTY LOCATED AT 695 OLD COLCHESTER ROAD, MONTVILLE, CT. (MAP 30, LOT 89A).

AT THESE HEARINGS INTERESTED PERSONS MAY APPEAR AND BE HEARD AND WRITTEN COMMUNICATIONS WILL BE RECEIVED. COPIES OF THE PROPOSED APPLICATIONS AND MAPS ARE ON FILE IN THE OFFICES OF THE TOWN PLANNER AND TOWN CLERK, MONTVILLE TOWN HALL ANNEX AND TOWN HALL, RESPECTIVELY.

DATED AT MONTVILLE, CT. THIS 1ST DAY OF JUNE, 1984.

MONTVILLE ZONING & PLANNING COMM.
Charles Korenkiewicz, CHM.
Magnus Wade, SECY.

TO BE INSERTED IN THE DAY ON June 1 and June 8, 1984.

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
New Britain, Connecticut 06051
Phone: 827-7682

April 28, 1988

Ms. Jennifer Young Gaudet
Byrne, Slater, Sandler, Shulman
and Rouse, P.C.
330 Main Street
P.O. Box 3216
Hartford, Connecticut 06103

RE: Metro Mobile CTS of New London, Inc., - Notice Pursuant to Regulations of State Agencies 16-50j-73 of Intent to Install Cellular Antennas and Equipment.

Dear Ms. Gaudet:

At a meeting held on April 27, 1988, the Connecticut Siting Council acknowledged your notice of intent to install additional cellular antennas and related equipment at the existing Eastern Connecticut Cable Television, Inc., tower on Old Colchester Road, Montville, Connecticut, pursuant to Section 16-50j-73 of the Regulations of State Agencies (RSA).

Your notice is in compliance with the exception criteria for changes to an existing facility site, pursuant to RSA 16-50j-72.

Very truly yours,

Gloria Dibble Pond/R

Gloria Dibble Pond
Chairperson

GDP/JMR/go

1371E-2

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

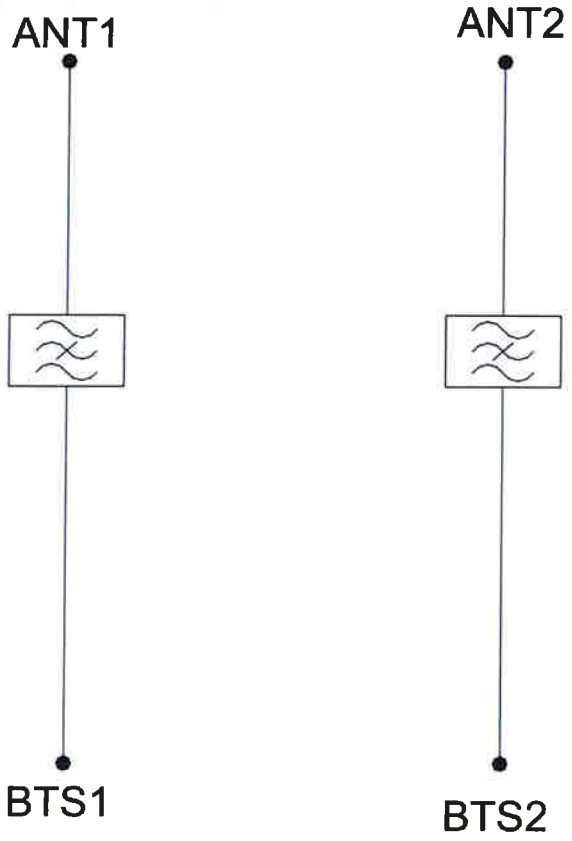
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

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

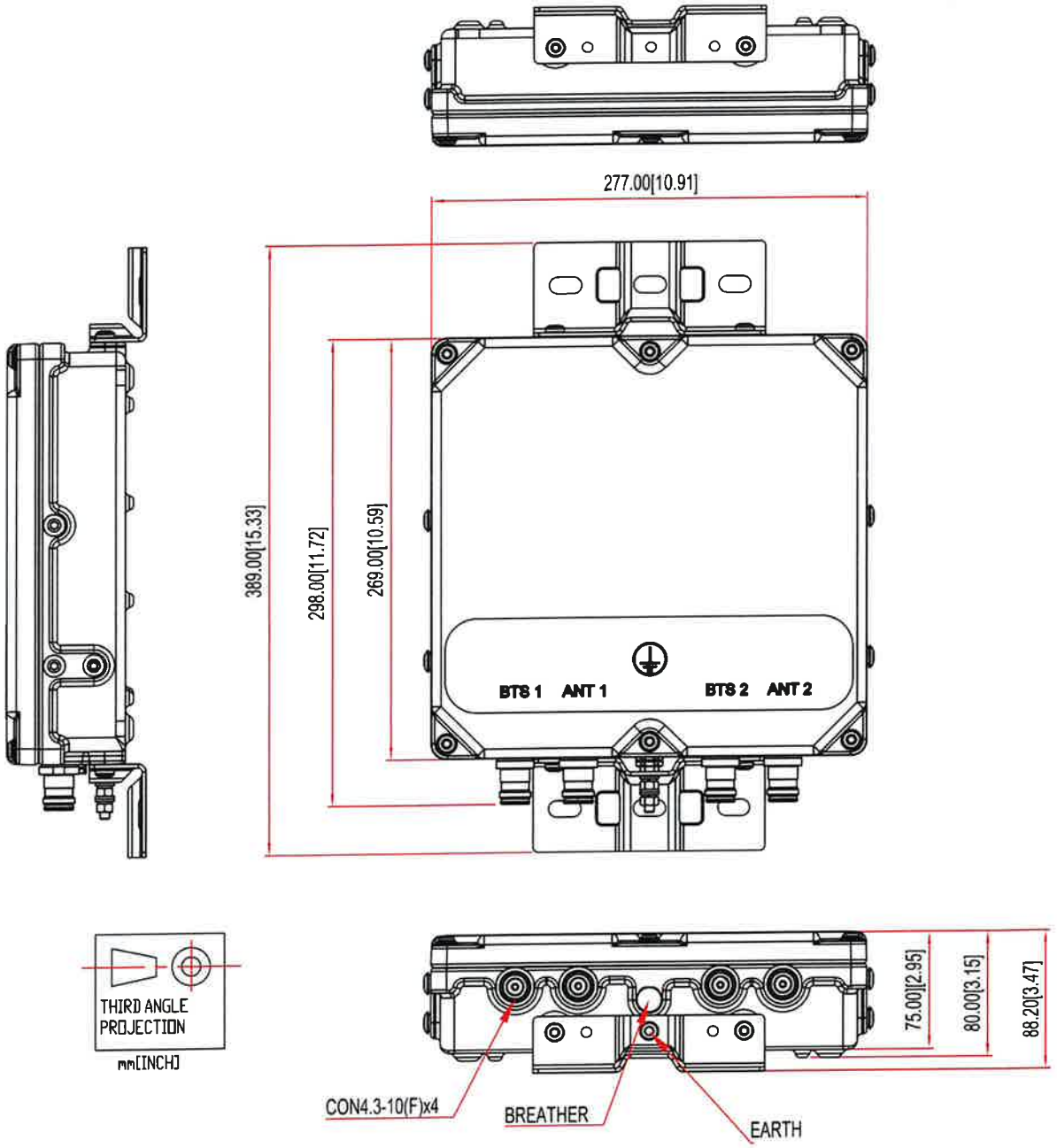
ORDERING INFORMATION

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

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

CENTERLINE

Structural Analysis Report

Location Code: 468399
Site Name: MONTVILLE CT
FUZE Project ID: 17123693
Project Name: RF Filter Add
Address: 695 Old Colchester Road
Uncasville, CT 06382

Client:

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

Date: 10/13/2023

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 372 ft. guyed 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)
-	377.0	377.0	1	-	Search Antenna	(1) 1/2
-	354.0	354.0	1	-	Empty Standoff Mount	-
-	321.0	321.0	2	-	8' Wire Frame Dish	(1) 7/8
Verizon Wireless	305.0	311.0	2	Raycap	RHSDC-3315-PF-48	(12) 1-5/8 (2) 6x12 HCS
		305.0	6	Commscope	NHH-65B-R2B w/ BSAMNT-SBS-1-2	
		305.0	3	Samsung	MT6407-77A	
		305.0	3	Andrew	LNX-6514DS-A1M	
		305.0	3	Samsung	RF4439d-25A	
		305.0	3	Samsung	RF4440d-13A	
		305.0	**6**	**Kaelus**	**KA-6030**	
		305.0	**3**	**Site Pro 1**	**RRUDSM**	
		305.0	3	-	Sector Mount	
-	267.0	267.0	1	-	20' Dipole	(1) 7/8
		267.0	1	-	Standoff Mount	
-	255.0	255.0	1	-	Empty Standoff Mount	-
-	246.0	252.0	3	-	Surge Arrestors	(12) DC Cable (6) Fiber
		246.0	3	Powerwave	7770.00	
		246.0	3	Kathrein	800-10965	
		246.0	3	Kathrein	800-10966	
		246.0	1	CCI Antennas	HPA-65R-BUU-H6	
		246.0	2	CCI Antennas	HPA-65R-BUU-H8	
		246.0	6	Powerwave	LGP21401	
		246.0	3	Ericsson	B2/B66A 8843	
		246.0	3	Ericsson	B5/B12 4449	
		246.0	3	Ericsson	B14 4478	
		246.0	3	-	Sector Mount w/ Reinforcing	

-	238.0	238.0	1	-	Empty Pipe Mount	-
-	207.0	207.0	1	-	Yagi Antenna	(1) 7/8
-	204.0	204.0	1	-	Yagi Antenna	(1) 7/8
-	199.0	199.0	1	-	Yagi Antenna	(1) 1/2
-	152.0	152.0	1	-	Yagi Antenna	(1) 1/2
-	139.0	139.0	1	-	Yagi Antenna	(1) 1/2
-	132.0	132.0	1	-	Yagi Antenna	(1) 7/8
-	126.0	126.0	1	-	Yagi Antenna	(1) 1/4
-	95.0	95.0	4	-	X-Style Antennas	(4) 1/4
		95.0	1	-	Standoff Mount	
-	33.0	33.0	1	-	Yagi Antenna	-

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

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)	125 mph
Wind Speed with Ice	50 mph
Ice Thickness	1.00 in.
Exposure Category	B
Topographic Category	1
Risk Category	II
Site Soil Class (Assumed)	D – Stiff Soil
Seismic Design Category	B
Spectral Response Acceleration Parameter at a Short Periods, S_S	0.198 g
Spectral Response Acceleration Parameter at a Period of 1 Second, S_1	0.054 g
Short Period Site Coefficient, F_a	1.60
Long Period Site Coefficient, F_v	2.40

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

CENTERLINE

Conclusion:

Tower Section Capacity (Summary)

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
T1	372.25 - 365.5	Leg	2 3/4	1	-0.85	102.85	0.8	Pass
T2	365.5 - 353	Leg	2 3/4	13	-5.27	102.85	5.1	Pass
T3	353 - 346.75	Leg	3	34	-2.90	135.28	2.1	Pass
T4	346.75 - 334.25	Leg	3	46	-35.32	135.28	26.1	Pass
T5	334.25 - 328	Leg	3	67	-37.57	135.28	27.8	Pass
T6	328 - 303	Leg	3 1/4	79	-39.75	171.63	23.2	Pass
T7	303 - 296.75	Leg	3 1/4	118	-35.54	171.63	20.7	Pass
T8	296.75 - 278	Leg	3 1/4	130	-83.36	171.63	48.6	Pass
T9	278 - 253	Leg	3	160	-86.01	135.28	63.6	Pass
T10	253 - 228	Leg	3 1/4	199	-84.34	171.63	49.1	Pass
T11	228 - 221.75	Leg	3 1/4	238	-49.84	171.63	29.0	Pass
T12	221.75 - 203	Leg	3 1/4	250	-82.40	171.63	48.0	Pass
T13	203 - 178	Leg	3	280	-83.39	200.78	41.5	Pass
T14	178 - 165.5	Leg	3 1/4	333	-81.25	171.63	47.3	Pass
T15	165.5 - 153	Leg	3 1/4	352	-88.31	171.63	51.5	Pass
T16	153 - 128	Leg	3 1/4	375	-90.67	171.63	52.8	Pass
T17	128 - 103	Leg	3 1/4	414	-90.22	171.63	52.6	Pass
T18	103 - 96.75	Leg	3 1/4	453	-75.33	171.63	43.9	Pass
T19	96.75 - 78	Leg	3 1/4	463	-98.37	171.63	57.3	Pass
T20	78 - 53	Leg	3 1/4	493	-99.42	171.63	57.9	Pass
T21	53 - 28	Leg	3 1/4	532	-105.52	171.63	61.5	Pass
T22	28 - 9.25	Leg	3 1/4	571	-106.42	171.63	62.0	Pass
T23	9.25 - 4.25	Leg	3 1/4	603	-105.69	201.71	52.4	Pass
T1	372.25 - 365.5	Diagonal	L2 1/2x2 1/2x1/4	12	-0.48	29.37	1.6	Pass
T2	365.5 - 353	Diagonal	2L3x3x5/16	23	-1.16	117.87	1.0	Pass
T3	353 - 346.75	Diagonal	2L3x2 1/2x1/4	40	-3.22	85.42	3.8	Pass
T4	346.75 - 334.25	Diagonal	3/4	61	2.56	14.31	17.9	Pass
T5	334.25 - 328	Diagonal	1	73	1.98	25.45	7.8	Pass
T6	328 - 303	Diagonal	1	89	2.30	25.45	9.0	Pass
T7	303 - 296.75	Diagonal	2L2 1/2x2 1/2x3/16	124	-5.68	55.73	10.2	Pass
T8	296.75 - 278	Diagonal	1	157	3.52	25.45	13.8	Pass
T9	278 - 253	Diagonal	1	196	1.91	25.45	7.5	Pass
T10	253 - 228	Diagonal	1	205	10.21	25.45	40.1	Pass
T11	228 - 221.75	Diagonal	2L2 1/2x2 1/2x1/4	244	-8.78	76.28	11.5	Pass
T12	221.75 - 203	Diagonal	5/8	276	1.62	9.94	16.3	Pass
T13	203 - 178	Diagonal	5/8	291	4.27	9.94	43.0	Pass
T14	178 - 165.5	Diagonal	5/8	342	5.30	9.94	53.3	Pass
T15	165.5 - 153	Diagonal	5/8	370	2.03	9.94	20.4	Pass
T16	153 - 128	Diagonal	5/8	382	2.07	9.94	20.8	Pass
T17	128 - 103	Diagonal	L2 1/2x2x3/16 (LLV)	421	5.30	26.20	20.2	Pass
T18	103 - 96.75	Diagonal	2L2 1/2x2 1/2x1/4	457	-10.19	76.28	13.4	Pass
T19	96.75 - 78	Diagonal	5/8	489	2.15	9.94	21.6	Pass
T20	78 - 53	Diagonal	5/8	502	1.68	9.94	16.9	Pass
T21	53 - 28	Diagonal	5/8	566	2.42	9.94	24.3	Pass
T22	28 - 9.25	Diagonal	5/8	578	1.27	9.94	12.7	Pass
T23	9.25 - 4.25	Diagonal	5/8	608	1.06	9.94	10.7	Pass
T2	365.5 - 353	Horizontal	2L2 1/2x3x1/4 (SLV)	27	0.27	85.21	0.3	Pass
T4	346.75 - 334.25	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	58	-1.53	19.49	7.9	Pass

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

CENTERLINE

T6	328 - 303	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	93	-0.94	19.60	4.8	Pass
T8	296.75 - 278	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	152	-2.09	19.60	10.7	Pass
T9	278 - 253	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	172	-1.49	19.49	7.6	Pass
T10	253 - 228	Horizontal	2L2x2 1/2x3/16 (SLV)	211	-6.34	41.91	15.1	Pass
T12	221.75 - 203	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	271	-1.43	19.60	7.3	Pass
T13	203 - 178	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	294	-2.32	19.49	11.9	Pass
T14	178 - 165.5	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	345	-3.25	19.60	16.6	Pass
T15	165.5 - 153	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	364	-1.53	19.60	7.8	Pass
T16	153 - 128	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	395	-1.57	19.60	8.0	Pass
T17	128 - 103	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	425	-3.12	19.60	15.9	Pass
T19	96.75 - 78	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	477	-1.70	19.60	8.7	Pass
T20	78 - 53	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	505	-1.72	19.60	8.8	Pass
T21	53 - 28	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	544	-1.83	19.60	9.3	Pass
T22	28 - 9.25	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	583	-1.84	19.60	9.4	Pass
T13	203 - 178	Secondary Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	297	-1.44	19.49	7.4	Pass
T1	372.25 - 365.5	Top Girt	2L2 1/2x2x1/4 (LLV)	4	0.07	69.01	0.2	Pass
T2	365.5 - 353	Top Girt	2L2 1/2x3x1/4 (SLV)	17	0.13	85.21	0.2	Pass
T3	353 - 346.75	Top Girt	2L2 1/2x3x1/4 (SLV)	38	5.06	85.21	5.9	Pass
T4	346.75 - 334.25	Top Girt	2L2 1/2x2x1/4 (LLV)	50	-1.99	63.93	3.1	Pass
T5	334.25 - 328	Top Girt	Pipe 1.5 Std (1.9"ODx0.145")	70	-1.35	19.49	6.9	Pass
T6	328 - 303	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	82	-1.13	25.27	4.5	Pass
T7	303 - 296.75	Top Girt	2L2 1/2x2x3/16 (LLV)	122	7.25	52.49	13.8	Pass
T8	296.75 - 278	Top Girt	2L2 1/2x2x3/16 (LLV)	135	2.19	52.49	4.2	Pass
T9	278 - 253	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	163	-1.49	25.13	5.9	Pass
T10	253 - 228	Top Girt	2L2 1/2x2x3/16 (LLV)	202	-1.49	48.86	3.0	Pass
T11	228 - 221.75	Top Girt	2L2 1/2x2x3/16 (LLV)	242	11.05	52.49	21.0	Pass
T12	221.75 - 203	Top Girt	2L2 1/2x2x3/16 (LLV)	255	4.53	52.49	8.6	Pass
T13	203 - 178	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	283	-1.44	25.13	5.7	Pass
T14	178 - 165.5	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	336	-2.89	25.27	11.5	Pass
T15	165.5 - 153	Top Girt	2L2 1/2x2x3/16 (LLV)	357	5.16	52.49	9.8	Pass
T16	153 - 128	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	377	-1.57	25.27	6.2	Pass
T17	128 - 103	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	416	-1.61	25.27	6.4	Pass
T18	103 - 96.75	Top Girt	2L2 1/2x2x3/16 (LLV)	455	10.07	52.49	19.2	Pass
T19	96.75 - 78	Top Girt	2L2 1/2x2x3/16 (LLV)	468	5.81	52.49	11.1	Pass

CENTERLINE

T20	78 - 53	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	496	-1.72	25.27	6.8	Pass
T21	53 - 28	Top Girt	2L2 1/2x2x3/16 (LLV)	535	3.12	52.49	5.9	Pass
T22	28 - 9.25	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	574	-1.84	25.27	7.3	Pass
T23	9.25 - 4.25	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	604	-1.84	25.27	7.3	Pass
T3	353 - 346.75	Guy A@353	7/8	626	16.11	47.82	33.7	Pass
T7	303 - 296.75	Guy A@303	7/8	644	18.00	47.82	37.7	Pass
T11	228 - 221.75	Guy A@228	3/4	661	15.38	34.98	44.0	Pass
T15	165.5 - 153	Guy A@165.5	3/4	669	14.94	34.98	42.7	Pass
T18	103 - 96.75	Guy A@103	9/16	682	7.93	21.00	37.7	Pass
T21	53 - 28	Guy A@53	9/16	690	7.17	21.00	34.1	Pass
T3	353 - 346.75	Guy B@353	7/8	619	15.97	47.82	33.4	Pass
T7	303 - 296.75	Guy B@303	7/8	637	17.88	47.82	37.4	Pass
T11	228 - 221.75	Guy B@228	3/4	655	15.18	34.98	43.4	Pass
T15	165.5 - 153	Guy B@165.5	3/4	668	14.77	34.98	42.2	Pass
T18	103 - 96.75	Guy B@103	9/16	677	7.76	21.00	37.0	Pass
T21	53 - 28	Guy B@53	9/16	689	7.11	21.00	33.9	Pass
T3	353 - 346.75	Guy C@353	7/8	613	16.43	47.82	34.4	Pass
T7	303 - 296.75	Guy C@303	7/8	632	18.36	47.82	38.4	Pass
T11	228 - 221.75	Guy C@228	3/4	650	15.48	34.98	44.3	Pass
T15	165.5 - 153	Guy C@165.5	3/4	667	15.05	34.98	43.0	Pass
T18	103 - 96.75	Guy C@103	9/16	671	7.94	21.00	37.8	Pass
T21	53 - 28	Guy C@53	9/16	688	7.24	21.00	34.5	Pass
T3	353 - 346.75	Torque Arm Top@353	2L2 1/2x2 1/2x1/4	616	14.74	77.11	19.1	Pass
T7	303 - 296.75	Torque Arm Top@303	2L2 1/2x2 1/2x1/4	634	15.50	77.11	20.1	Pass
T11	228 - 221.75	Torque Arm Top@228	2L2 1/2x2 1/2x1/4	657	13.80	77.11	17.9	Pass
T18	103 - 96.75	Torque Arm Top@103	2L2 1/2x2 1/2x1/4	684	7.77	77.11	10.1	Pass
T3	353 - 346.75	Torque Arm Bottom@353	2L2 1/2x2 1/2x1/4	617	-16.65	41.59	40.0	Pass
T7	303 - 296.75	Torque Arm Bottom@303	2L2 1/2x2 1/2x1/4	641	-19.20	41.75	46.0	Pass
T11	228 - 221.75	Torque Arm Bottom@228	2L2 1/2x2 1/2x1/4	659	-14.97	41.75	35.9	Pass
T18	103 - 96.75	Torque Arm Bottom@103	2L2 1/2x2 1/2x1/4	680	-5.98	41.75	14.3	Pass
							Summary	
						Leg (T9)	63.6	Pass
						Diagonal (T14)	53.3	Pass
						Horizontal (T14)	16.6	Pass
						Secondary Horizontal (T13)	7.4	Pass
						Top Girt (T11)	21.0	Pass
						Guy A (T11)	44.0	Pass
						Guy B (T11)	43.4	Pass
						Guy C (T11)	44.3	Pass

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

						Torque Arm Top (T7)	20.1	Pass
						Torque Arm Bottom (T7)	46.0	Pass
						RATING =	**63.6**	**Pass**

Structure Rating (Max From All Components) =	**63.6%**

Foundation Capacity (Summary)

Component	***% Capacity***	***Pass Fail***
Base Foundation Rating	98.6	Pass
Inner Guy Anchor Foundation Rating	11.0	Pass
Inner Middle Guy Anchor Foundation Rating	20.5	Pass
Outer Middle Guy Anchor Foundation Rating	25.7	Pass
Outer Guy Anchor Foundation Rating	20.0	Pass

Foundation Rating (Max From All Components) =	**98.6%**

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 Hudson Design Group, LLC, dated December 6, 2021
- Antenna Mount Analysis Report by Colliers Engineering & Design Ct. P.C., dated August 31, 2023
- Lease Exhibit by Centerline, dated September 18, 2023

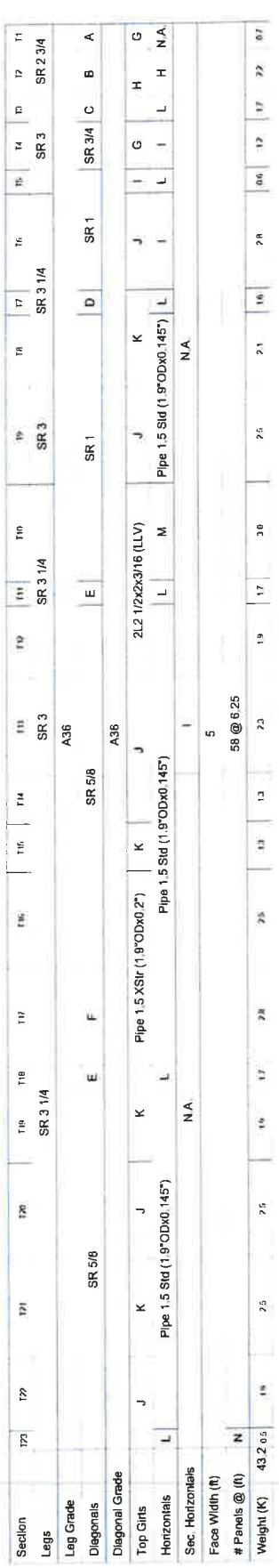
Assumptions and Limitations:

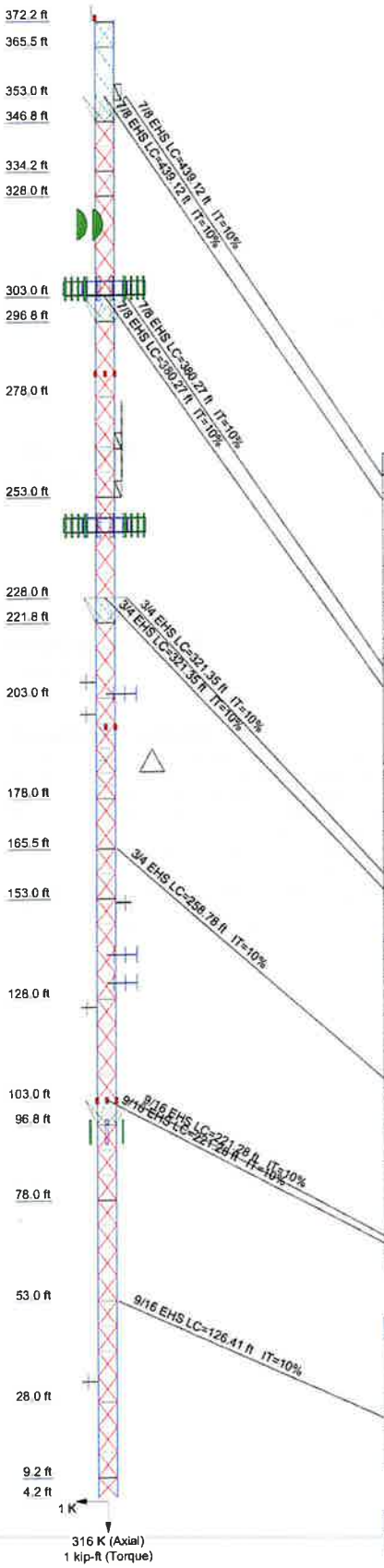
- The tower and structures were built and maintained with the manufacturer's specifications.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in this report and the referenced drawings.
- Existing appurtenance information obtained from the Structural Analysis Report by Hudson Design Group, LLC, dated December 6, 2021 and the Lease Exhibit by Centerline, dated September 18, 2023.
- No bolt information was provided, therefore bolt connection capacity was not included in this report.

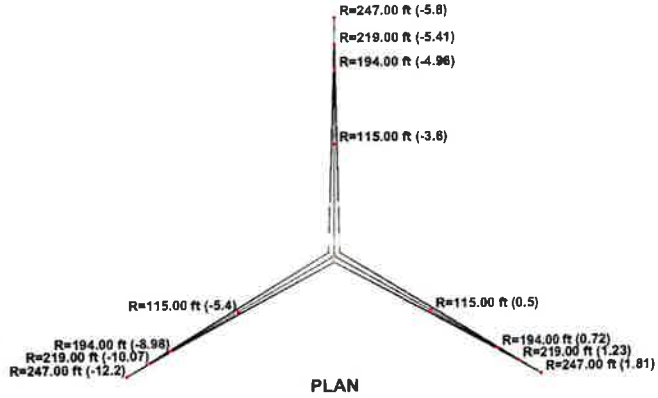
CENTERLINE

Design Calculations

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







DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Search Antenna	377	7770.00 w/ Pipe Mount	246
Antenna Mast Pipe	377	7770.00 w/ Pipe Mount	246
Lightning Rod	374	7770.00 w/ Pipe Mount	246
Flash Beacon Light	372	80010965 w/ Mount Pipe	246
Antenna Mast Pipe	354	80010965 w/ Mount Pipe	246
Pipe Mount	354	80010965 w/ Mount Pipe	246
8' MW Dish	321	80010966 w/ Mount Pipe	246
8' MW Dish	321	80010966 w/ Mount Pipe	246
RHSDC-3315-PF-48	305	80010966 w/ Mount Pipe	246
RHSDC-3315-PF-48	305	HPA-65R-BUU-H6 w/ Mount Pipe	246
(2) NHH-65B-R2B w/ BSAMNT-SBS-1-2	305	HPA-65R-BUU-H8 w/ Mount Pipe	246
		HPA-65R-BUU-H8 w/ Mount Pipe	246
(2) NHH-65B-R2B w/ BSAMNT-SBS-1-2	305	RRUS 8843 B2/B66A	246
		RRUS 8843 B2/B66A	246
(2) NHH-65B-R2B w/ BSAMNT-SBS-1-2	305	RRUS 8843 B2/B66A	246
		RRUS 4449 B5/B12	246
MT6407-77A w/ Pipe Mount	305	RRUS 4449 B5/B12	246
MT6407-77A w/ Pipe Mount	305	RRUS 4449 B5/B12	246
MT6407-77A w/ Pipe Mount	305	RRUS 4478 B14	246
LNX-6514DS-A1M w/ Mount Pipe	305	RRUS 4478 B14	246
LNX-6514DS-A1M w/ Mount Pipe	305	RRUS 4478 B14	246
LNX-6514DS-A1M w/ Mount Pipe	305	(2) LGP21401	246
B2/B66A RRH ORAN (RF4439D-25A)	305	(2) LGP21401	246
B2/B66A RRH ORAN (RF4439D-25A)	305	(2) LGP21401	246
B2/B66A RRH ORAN (RF4439D-25A)	305	(3) Sector Mounts w/ Stabilizer Kits	246
B5/B13 RRH ORAN (RF4440D-13A)	305	Empty Pipe Mount	237
B5/B13 RRH ORAN (RF4440D-13A)	305	6' Yagi	207
B5/B13 RRH ORAN (RF4440D-13A)	305	6' Yagi	204
(2) KA-6030	305	6' Yagi	199
(2) KA-6030	305	Flash Beacon Light	195
(2) KA-6030	305	Flash Beacon Light	195
RRUDSM	305	6' Yagi	152
RRUDSM	305	6' Yagi	139
RRUDSM	305	6' Yagi	132
(3) Sector Mounts	305	6' Yagi	126
Flash Beacon Light	283	Flash Beacon Light	102
Flash Beacon Light	283	Flash Beacon Light	102
Flash Beacon Light	283	Flash Beacon Light	102
20' Dipole	267	X-Style Antenna	95
Standoff Mount	267	X-Style Antenna	95
Empty Standoff Mount	255	X-Style Antenna	95
Surge Arrestor	246	X-Style Antenna	95
Surge Arrestor	246	6' Yagi	33
Surge Arrestor	246		

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L2 1/2x2 1/2x1/4	H	2L2 1/2x3x1/4 (SLV)
B	2L3x3x5/16	I	Pipe 1.5 Std (1.9"ODx0.145")
C	2L3x2 1/2x1/4	J	Pipe 1.5 XStr (1.9"ODx0.2")
D	2L2 1/2x2 1/2x3/16	K	2L2 1/2x2x3/16 (LLV)
E	2L2 1/2x2 1/2x1/4	L	N.A.
F	L2 1/2x2x3/16 (LLV)	M	2L2x2 1/2x3/16 (SLV)
G	2L2 1/2x2x1/4 (LLV)	N	1 @ 5

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A36	36 ksi	58 ksi			

R=115.00 ft

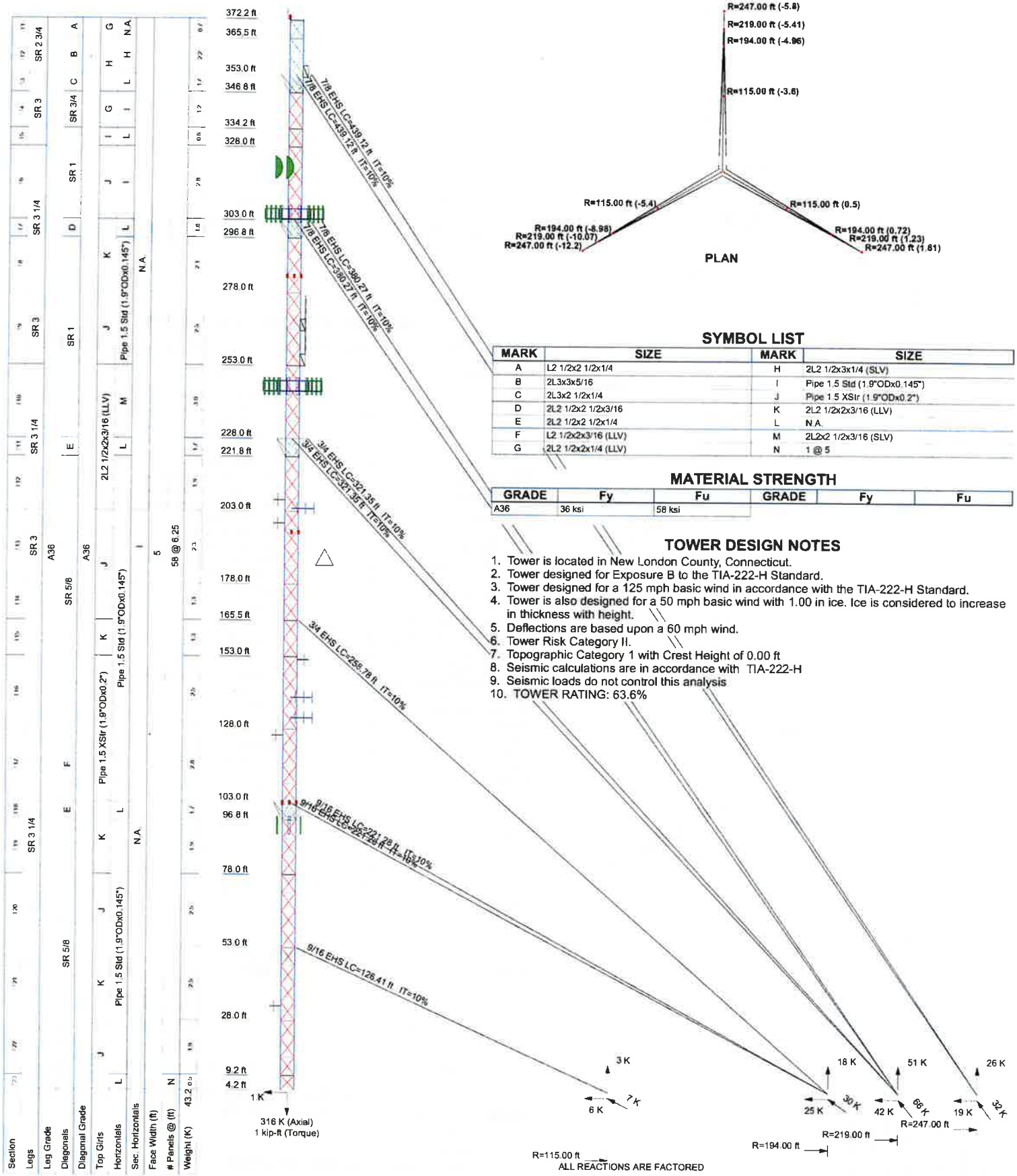
ALL REACTIONS ARE F

TOWER DESIGN NOTES

1. Tower is located in New London County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3.

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

Job: Montville CT			
Project: 23CLVZ-0018			
Client: Verizon Wireless	Drawn by: jll	App'd:	
Code: TIA-222-H	Date: 10/13/23	Scale: NTS	
Path:		Dwg No. E-1	



SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	L2 1/2x2 1/2x1/4	H	2L2 1/2x3x1/4 (SLV)
B	2L3x3x5/16	I	Pipe 1.5 Std (1.9"ODx0.145")
C	2L3x2 1/2x1/4	J	Pipe 1.5 XStr (1.9"ODx0.2")
D	2L2 1/2x2 1/2x3/16	K	2L2 1/2x2x3/16 (LLV)
E	2L2 1/2x2 1/2x1/4	L	N.A.
F	L2 1/2x2x3/16 (LLV)	M	2L2x2 1/2x3/16 (SLV)
G	2L2 1/2x2x1/4 (LLV)	N	1 @ 5

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A36	36 ksi	58 ksi			

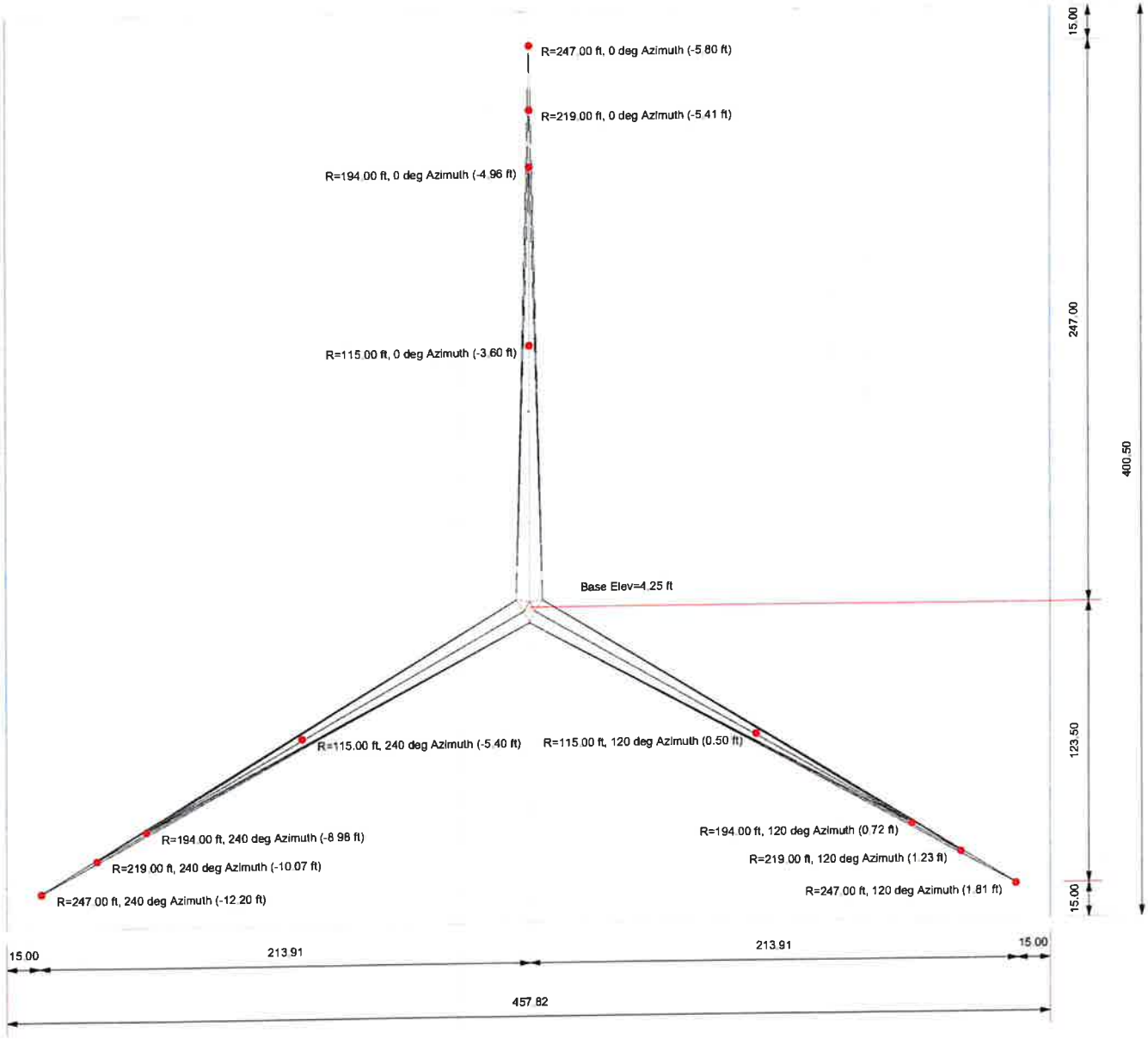
TOWER DESIGN NOTES

1. Tower is located in New London County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 125 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. Seismic calculations are in accordance with TIA-222-H
9. Seismic loads do not control this analysis
10. TOWER RATING: 63.6%

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

Job: *Montville CT*			
Project: *23CLVZ-0018*			
Client: Verizon Wireless	Drawn by: jll	App'd:	
Code: TIA-222-H	Date: 10/13/23	Scale: NTS	
Path:		Dwg No: E-1	

Plot Plan
Total Area - 4.21 Acres

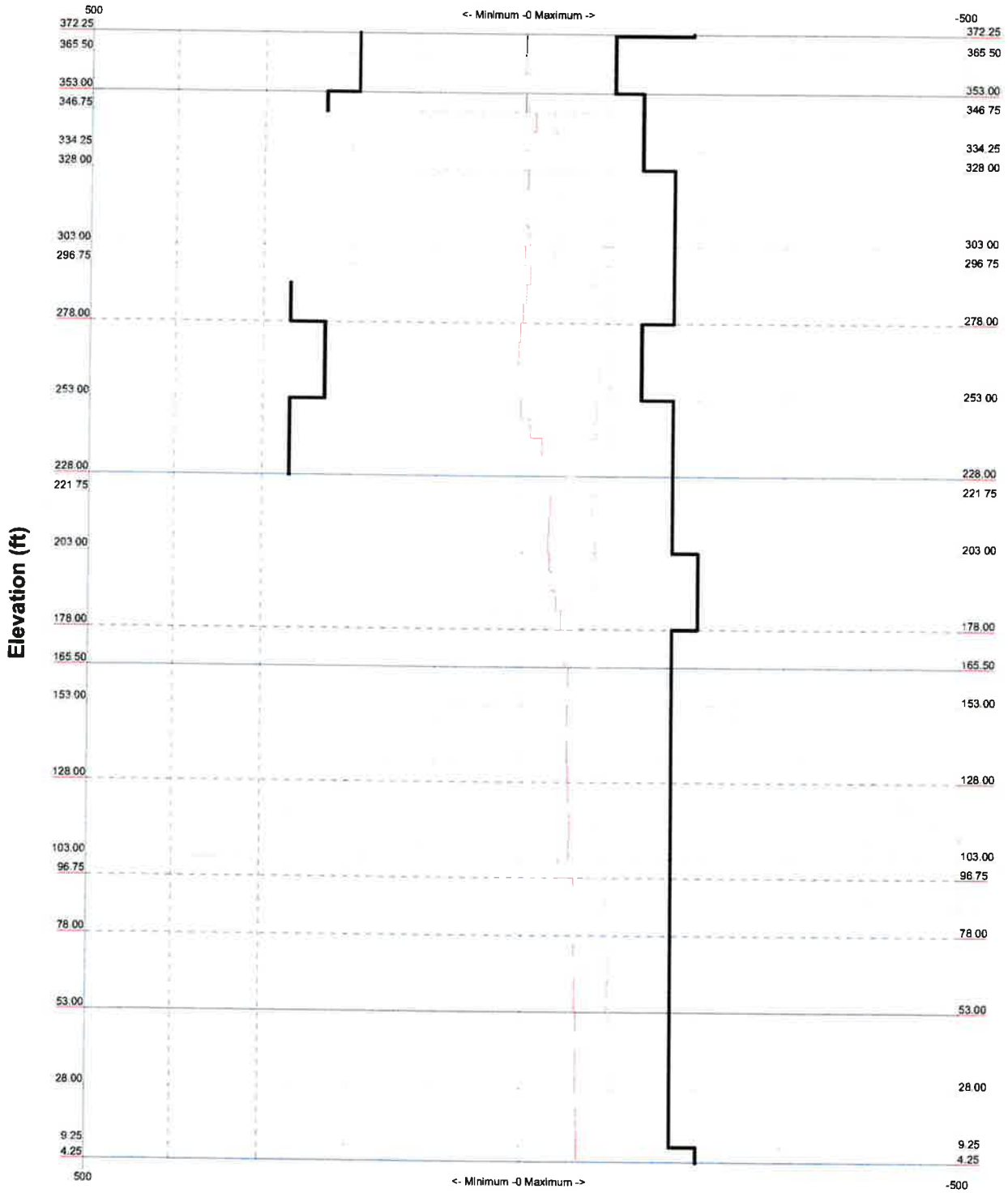


Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
Phone: (781) 713-4725
FAX:

Job: **Montville CT**			
Project: **23CLVZ-0018**			
Client: Verizon Wireless	Drawn by: jll	App'd:	
Code: TIA-222-H	Date 10/13/23	Scale: NTS	
Path:		Dwg No. E-2	

TIA-222-H - 125 mph/50 mph 1.0000 in Ice Exposure B

Leg Capacity ——— Leg Compression (K)



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

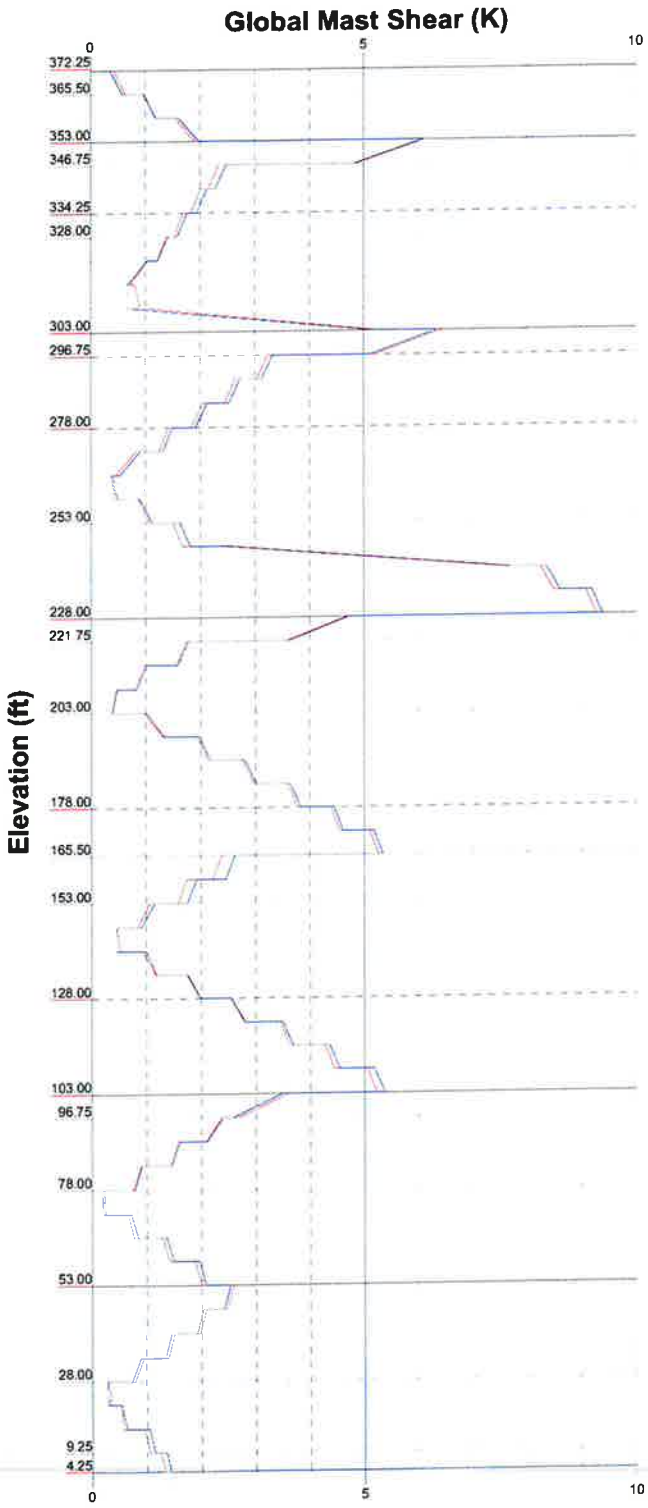
Job: **Montville CT**			
Project: **23CLVZ-0018**			
Client: Verizon Wireless	Drawn by jll	App'd:	
Code: TIA-222-H	Date: 10/13/23	Scale: NTS	
Path:		Dwg No. E-3	

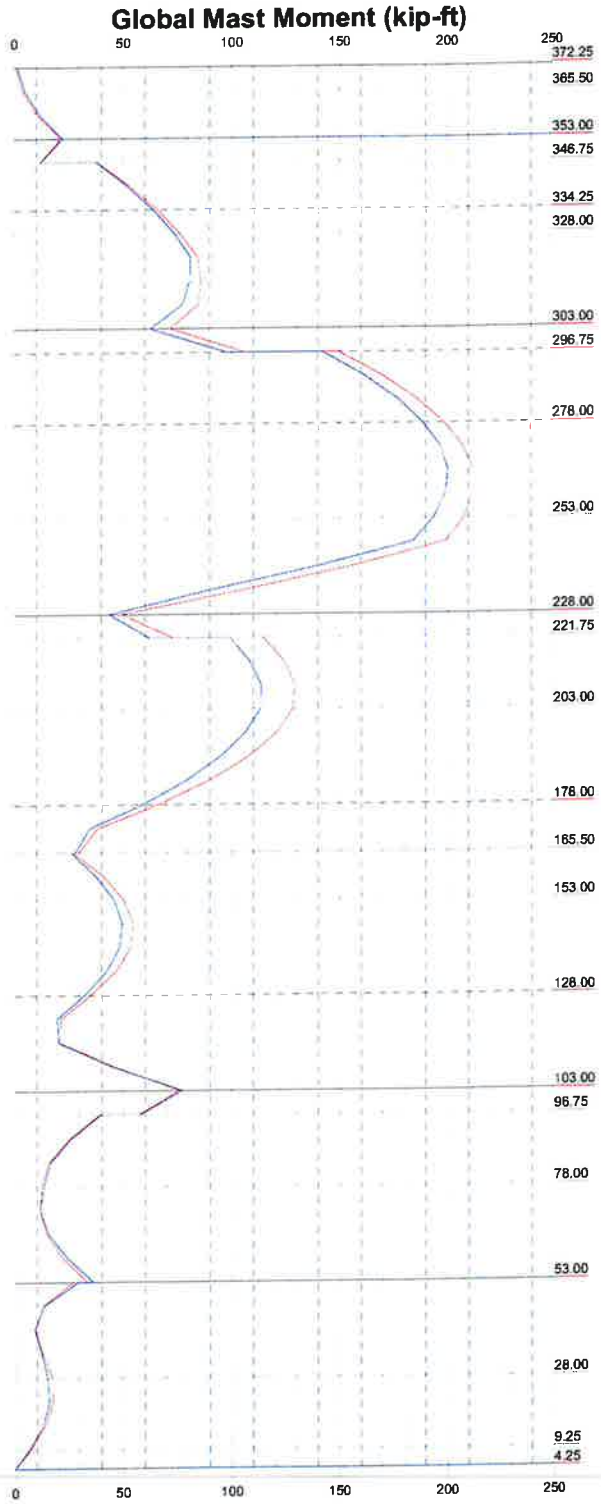
TIA-222-H - 125 mph/50 mph 1.0000 in Ice Exposure B

Vx Vz

Maximum Values

Mx Mz



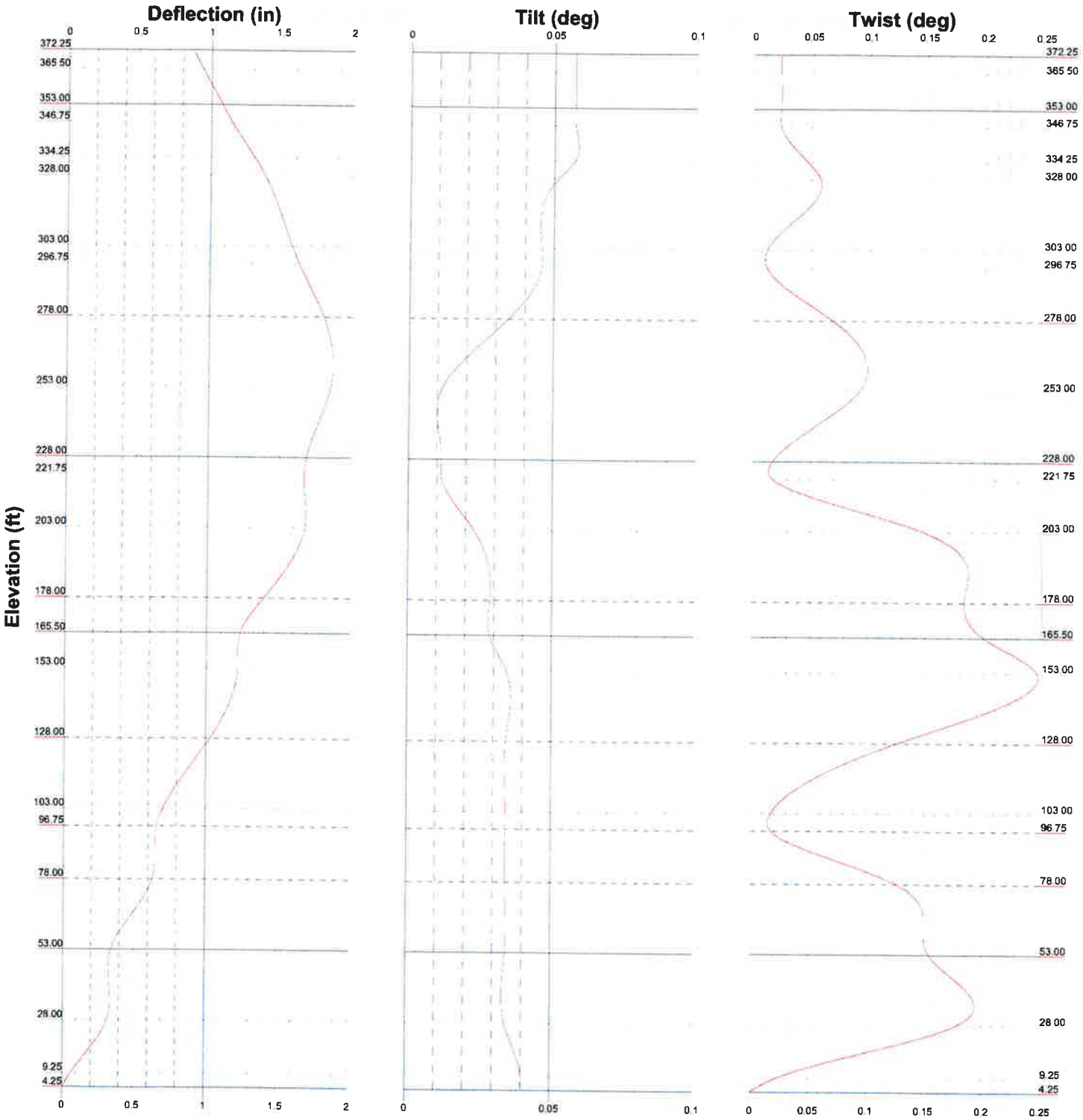


Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
Phone: (781) 713-4725
FAX:

Job: **Montville CT**			
Project: **23CLVZ-0018**			
Client: Verizon Wireless	Drawn by: jll	App'd:	
Code: TIA-222-H	Date: 10/13/23	Scale: NTS	
Path:		Dwg No. E-4	

TIA-222-H - Service - 60 mph

Maximum Values



Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job: **Montville CT**		
	Project: ***23CLVZ-0018***		
	Client: Verizon Wireless	Drawn by: jll	App'd:
	Code: TIA-222-H	Date: 10/13/23	Scale: NTS
	Path:		Dwg No. E-5

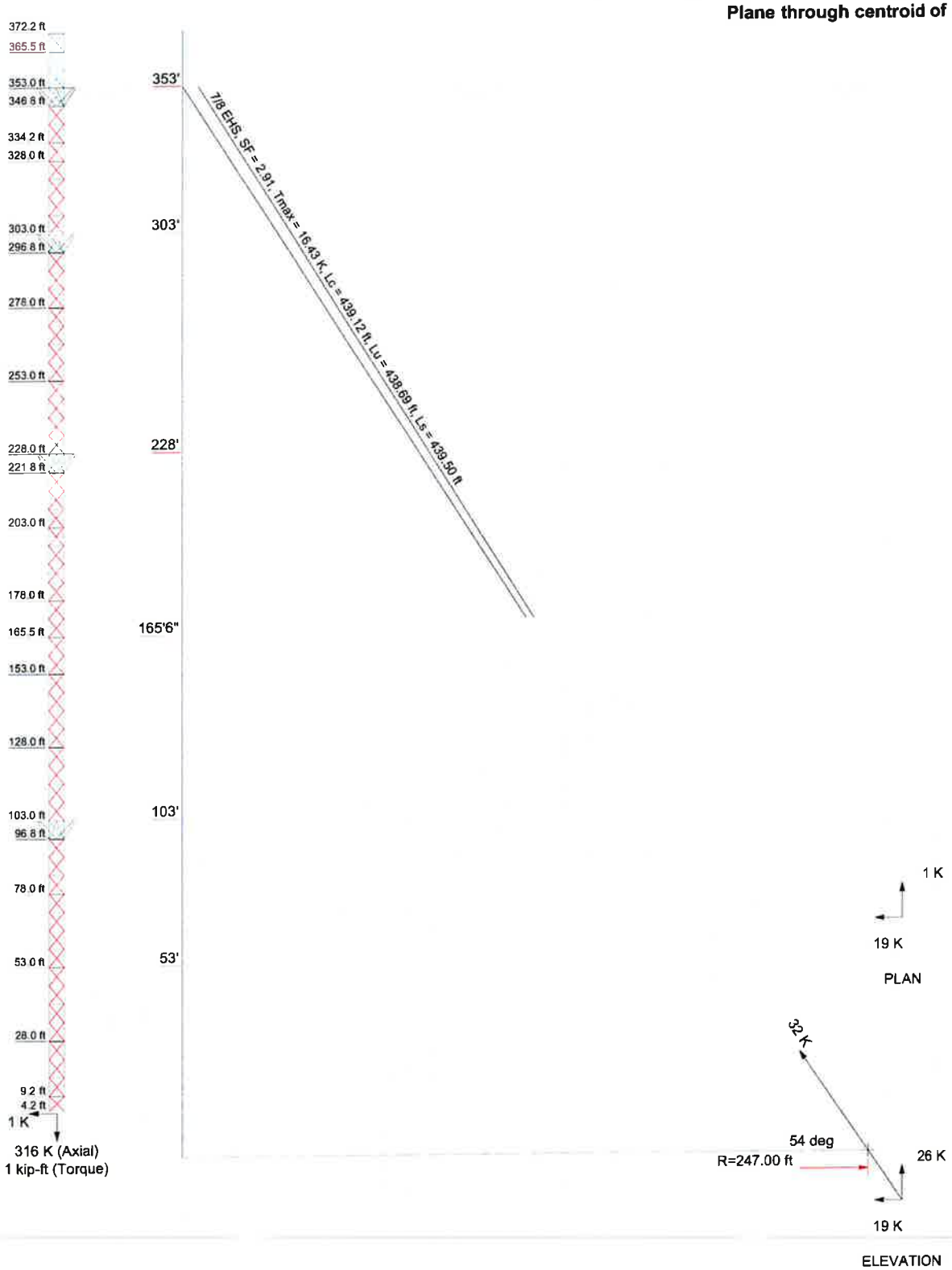
Guy Tensions and Tower Reactions

TIA-222-H - 125 mph/50 mph 1.0000 in Ice Exposure B

Maximum Values

Anchor 'C'@247 ft Azimuth 240 deg Elev -12.2 ft

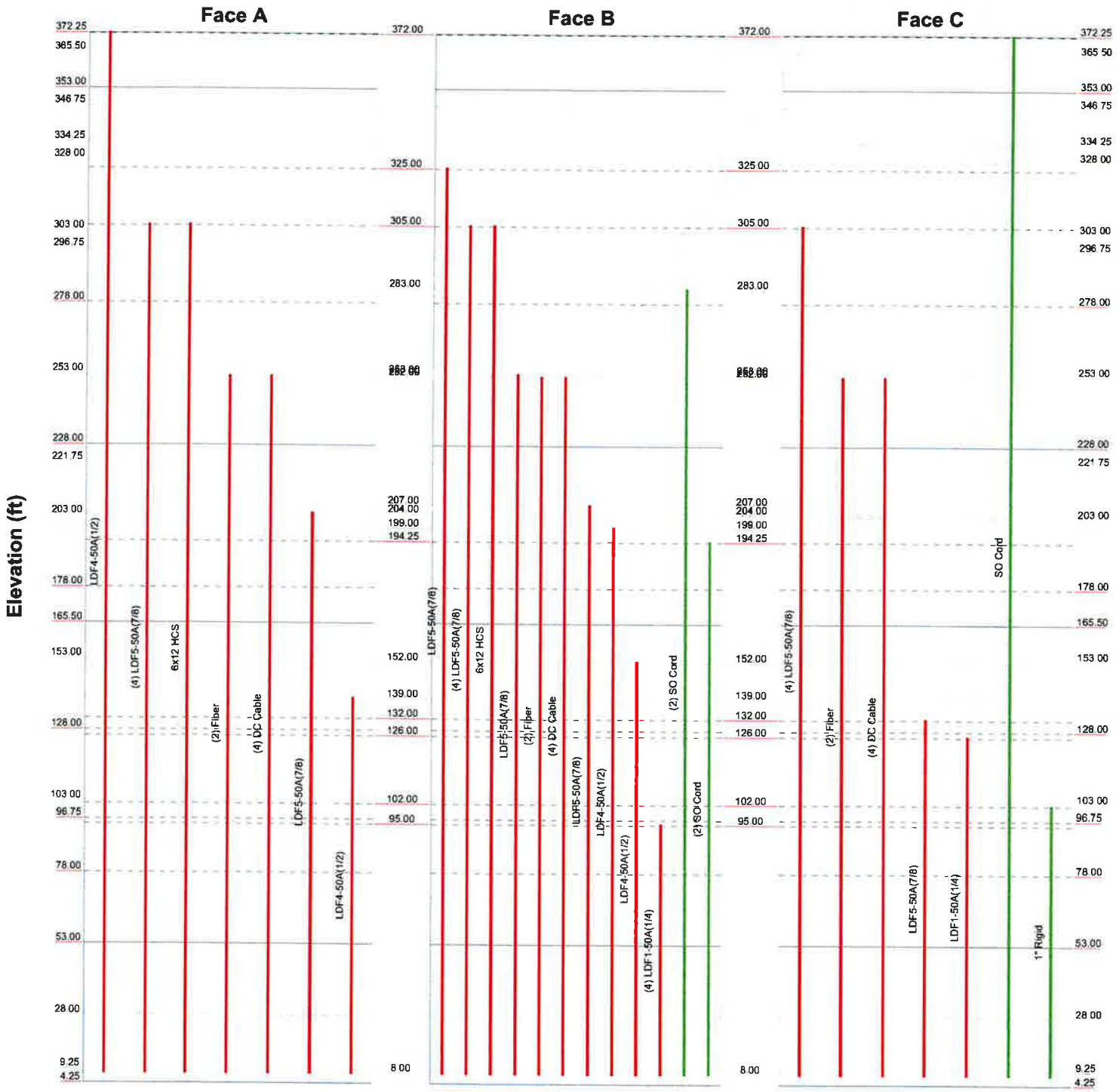
Plane through centroid of tower



Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job: **Montville CT**		
	Project: **23CLVZ-0018**		
	Client: Verizon Wireless	Drawn by: jll	App'd:
	Code: TIA-222-H	Date: 10/13/23	Scale: NTS
	Path:		Dwg No. E-6

Feed Line Distribution Chart
4'3" - 372'3"

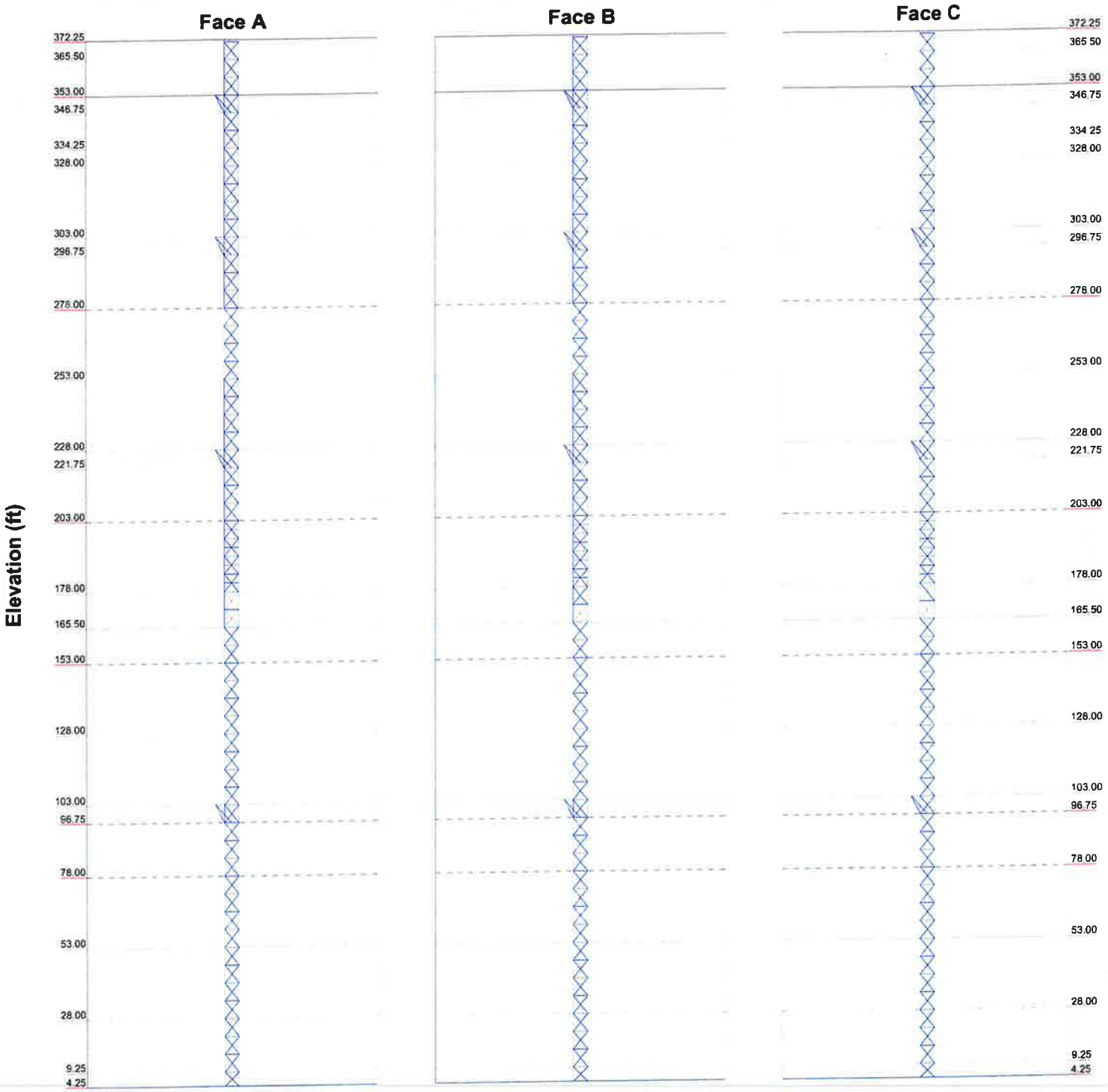
Round | Flat | App In Face | App Out Face | Truss Leg



Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job: **Montville CT**		
	Project: **23CLVZ-0018**		
	Client: Verizon Wireless	Drawn by: JII	App'd:
	Code: TIA-222-H	Date: 10/13/23	Scale: NTS
	Path:		Dwg No: E-7

Stress Distribution Chart
4'3" - 372'3"

> 100% | 90%-100% | 75%-90% | 50%-75% | < 50% Overstress

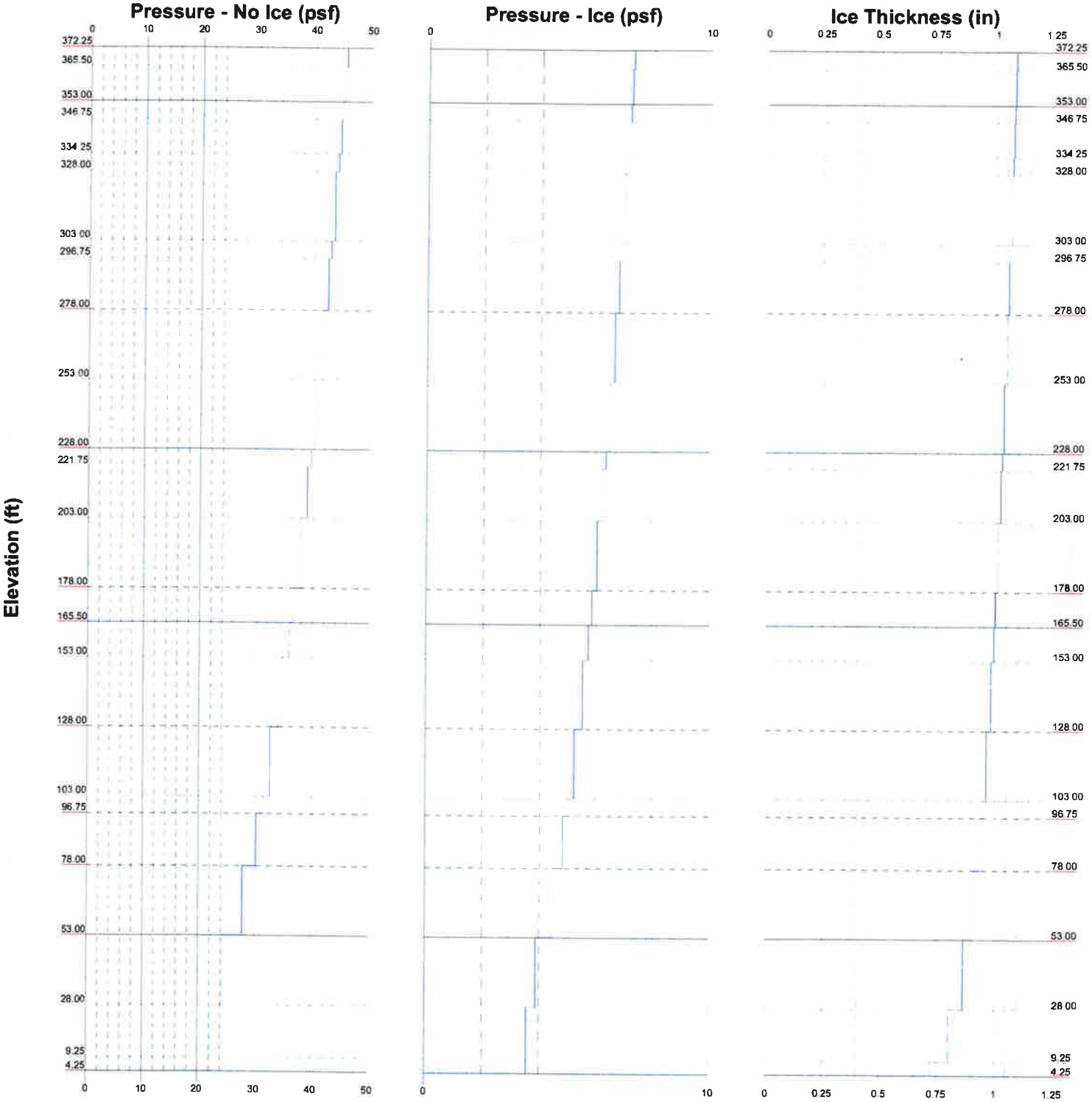


Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
Phone: (781) 713-4725
FAX:

Job: **Montville CT**			
Project: **23CLVZ-0018**			
Client: Verizon Wireless	Drawn by: jll	App'd:	
Code: TIA-222-H	Date: 10/13/23	Scale: NTS	
Path:		Dwg No. E-8	

Wind Pressures and Ice Thickness

TIA-222-H - 125 mph/50 mph 1.0000 in Ice Exposure B



Centerline Engineering Services, PA 750 W Center St, Suite 301 West Bridgewater, MA 02379 Phone: (781) 713-4725 FAX:	Job: **Montville CT**		
	Project: **23CLVZ-0018**		
	Client: Verizon Wireless	Drawn by: jll	App'd:
	Code: TIA-222-H	Date: 10/13/23	Scale: NTS
	Path:		Dwg No. E-9

Tower Input Data

The main tower is a 3x guyed tower with an overall height of 372.25 ft above the ground line.
The base of the tower is set at an elevation of 4.25 ft above the ground line.
The face width of the tower is 5.00 ft at the top and 5.00 ft at the base.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower is located in New London County, Connecticut.
Tower base elevation above sea level: 477.44 ft.
Basic wind speed of 125 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.0000 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.
Safety factor used in guy 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.

Options

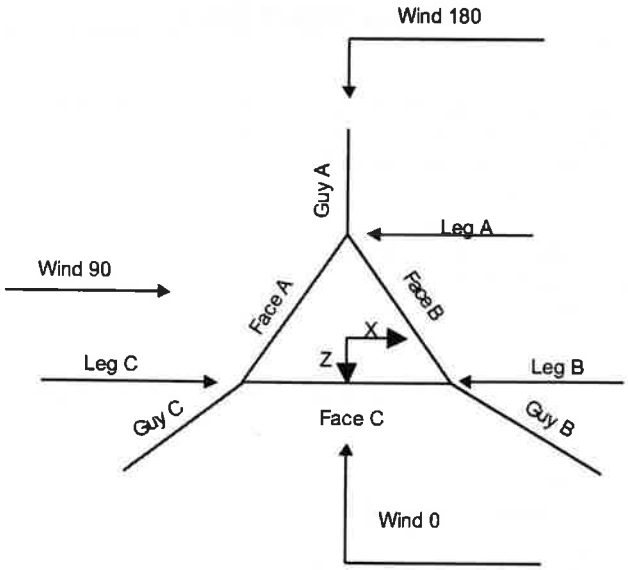
Consider Moments - Legs
Consider Moments - Horizontals
Consider Moments - Diagonals
Use Moment Magnification
√ Use Code Stress Ratios
√ Use Code Safety Factors - Guys
Escalate Ice
Always Use Max Kz
Use Special Wind Profile
√ Include Bolts In Member Capacity
Leg Bolts Are At Top Of Section
√ Secondary Horizontal Braces Leg
Use Diamond Inner Bracing (4 Sided)
√ SR Members Have Cut Ends
SR Members Are Concentric
Distribute Leg Loads As Uniform

Assume Legs Pinned
√ Assume Rigid Index Plate
√ Use Clear Spans For Wind Area
√ Use Clear Spans For KL/r
√ Retension Guys To Initial Tension
√ Bypass Mast Stability Checks
√ Use Azimuth Dish Coefficients
√ Project Wind Area of Appurtenances
Alternative Appurt. EPA Calculation
√ Autocalc Torque Arm Areas
Add IBC .6D+W Combination
√ Sort Capacity Reports By Component
Triangulate Diamond Inner Bracing
Treat Feed Line Bundles As Cylinder
Ignore KL/ry For 60 Deg. Angle Legs
Use ASCE 10 X-Brace Ly Rules

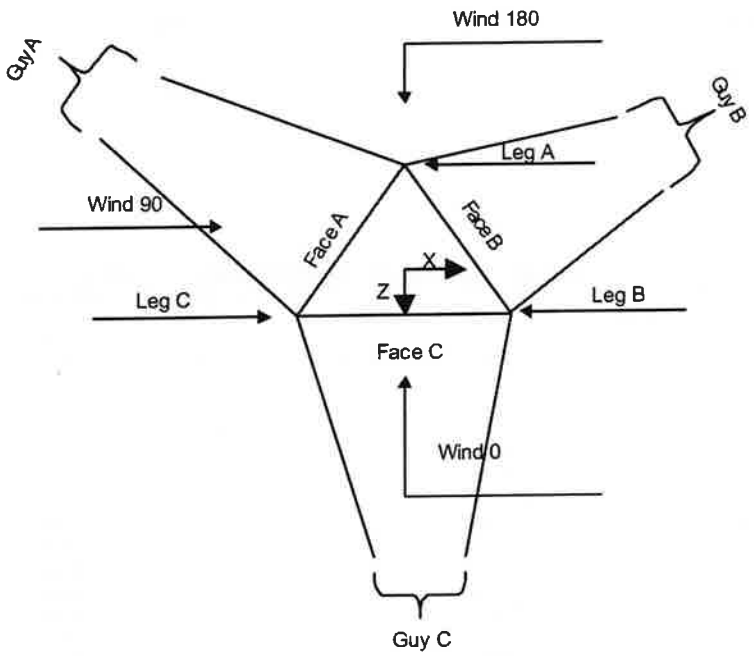
√ Calculate Redundant Bracing Forces
Ignore Redundant Members in FEA
√ SR Leg Bolts Resist Compression
All Leg Panels Have Same Allowable
Offset Girt At Foundation
√ Consider Feed Line Torque
√ Include Angle Block Shear Check
Use TIA-222-H Bracing Resist. Exemption
Use TIA-222-H Tension Splice Exemption

Poles

Include Shear-Torsion Interaction
Always Use Sub-Critical Flow
Use Top Mounted Sockets
Pole Without Linear Attachments
Pole With Shroud Or No Appurtenances
Outside and Inside Corner Radii Are Known



Corner & Starmount Guyed Tower



Face Guyed

Tower Section Geometry

Tower Section	Tower Elevation ft	Assembly Database	Description	Section Width ft	Number of Sections	Section Length ft
T1	372.25-365.50			5.00	1	6.75
T2	365.50-353.00			5.00	1	12.50
T3	353.00-346.75			5.00	1	6.25
T4	346.75-334.25			5.00	1	12.50
T5	334.25-328.00			5.00	1	6.25
T6	328.00-303.00			5.00	1	25.00
T7	303.00-296.75			5.00	1	6.25
T8	296.75-278.00			5.00	1	18.75
T9	278.00-253.00			5.00	1	25.00
T10	253.00-228.00			5.00	1	25.00
T11	228.00-221.75			5.00	1	6.25
T12	221.75-203.00			5.00	1	18.75
T13	203.00-178.00			5.00	1	25.00
T14	178.00-165.50			5.00	1	12.50
T15	165.50-153.00			5.00	1	12.50
T16	153.00-128.00			5.00	1	25.00

Tower Section	Tower Elevation ft	Assembly Database	Description	Section Width ft	Number of Sections	Section Length ft
T17	128.00-103.00			5.00	1	25.00
T18	103.00-96.75			5.00	1	6.25
T19	96.75-78.00			5.00	1	18.75
T20	78.00-53.00			5.00	1	25.00
T21	53.00-28.00			5.00	1	25.00
T22	28.00-9.25			5.00	1	18.75
T23	9.25-4.25			5.00	1	5.00

Tower Section Geometry *(cont'd)*

Tower Section	Tower Elevation ft	Diagonal Spacing ft	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset in	Bottom Girt Offset in
T1	372.25-365.50	6.25	X Brace	No	No	6.0000	0.0000
T2	365.50-353.00	6.25	X Brace	No	Yes	0.0000	0.0000
T3	353.00-346.75	6.25	X Brace	No	No	0.0000	0.0000
T4	346.75-334.25	6.25	TX Brace	No	Yes	0.0000	0.0000
T5	334.25-328.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T6	328.00-303.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T7	303.00-296.75	6.25	X Brace	No	No	0.0000	0.0000
T8	296.75-278.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T9	278.00-253.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T10	253.00-228.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T11	228.00-221.75	6.25	X Brace	No	No	0.0000	0.0000
T12	221.75-203.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T13	203.00-178.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T14	178.00-165.50	6.25	TX Brace	No	Yes	0.0000	0.0000
T15	165.50-153.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T16	153.00-128.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T17	128.00-103.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T18	103.00-96.75	6.25	X Brace	No	No	0.0000	0.0000
T19	96.75-78.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T20	78.00-53.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T21	53.00-28.00	6.25	TX Brace	No	Yes	0.0000	0.0000
T22	28.00-9.25	6.25	TX Brace	No	Yes	0.0000	0.0000
T23	9.25-4.25	5.00	TX Brace	No	Yes	0.0000	0.0000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T1 372.25-365.50	Solid Round	2 3/4	A36 (36 ksi)	Equal Angle	L2 1/2x2 1/2x1/4	A36 (36 ksi)
T2 365.50-353.00	Solid Round	2 3/4	A36 (36 ksi)	Double Equal Angle	2L3x3x5/16	A36 (36 ksi)
T3 353.00-346.75	Solid Round	3	A36 (36 ksi)	Double Angle	2L3x2 1/2x1/4	A36 (36 ksi)
T4 346.75-334.25	Solid Round	3	A36 (36 ksi)	Solid Round	3/4	A36 (36 ksi)
T5 334.25-328.00	Solid Round	3	A36	Solid Round	1	A36

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T6 328.00-303.00	Solid Round	3 1/4	(36 ksi) A36 (36 ksi)	Solid Round	1	(36 ksi) A36 (36 ksi)
T7 303.00-296.75	Solid Round	3 1/4	A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x3/16	A36 (36 ksi)
T8 296.75-278.00	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T9 278.00-253.00	Solid Round	3	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T10 253.00-228.00	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T11 228.00-221.75	Solid Round	3 1/4	A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x1/4	A36 (36 ksi)
T12 221.75-203.00	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T13 203.00-178.00	Solid Round	3	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T14 178.00-165.50	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T15 165.50-153.00	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T16 153.00-128.00	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T17 128.00-103.00	Solid Round	3 1/4	A36 (36 ksi)	Single Angle	L2 1/2x2x3/16 (LLV)	A36 (36 ksi)
T18 103.00-96.75	Solid Round	3 1/4	A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x1/4	A36 (36 ksi)
T19 96.75-78.00	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T20 78.00-53.00	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T21 53.00-28.00	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T22 28.00-9.25	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)
T23 9.25-4.25	Solid Round	3 1/4	A36 (36 ksi)	Solid Round	5/8	A36 (36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T1 372.25-365.50	Double Angle	2L2 1/2x2x1/4 (LLV)	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T2 365.50-353.00	Double Angle	2L2 1/2x3x1/4 (SLV)	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T3 353.00-346.75	Double Angle	2L2 1/2x3x1/4 (SLV)	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T4 346.75-334.25	Double Angle	2L2 1/2x2x1/4 (LLV)	A36 (36 ksi)	Solid Round		A36 (36 ksi)
T5 334.25-328.00	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)	Solid Round		A36 (36 ksi)
T6 328.00-303.00	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	A572-50 (50 ksi)	Solid Round		A36 (36 ksi)
T7 303.00-296.75	Double Angle	2L2 1/2x2x3/16 (LLV)	A36	Solid Round		A36

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade
T8 296.75-278.00	Double Angle	2L2 1/2x2x3/16 (LLV)	(36 ksi) A36	Solid Round		(36 ksi) A36
T9 278.00-253.00	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	(36 ksi) A572-50	Solid Round		(36 ksi) A36
T10 253.00-228.00	Double Angle	2L2 1/2x2x3/16 (LLV)	(50 ksi) A36	Solid Round		(36 ksi) A36
T11 228.00-221.75	Double Angle	2L2 1/2x2x3/16 (LLV)	(36 ksi) A36	Solid Round		(36 ksi) A36
T12 221.75-203.00	Double Angle	2L2 1/2x2x3/16 (LLV)	(36 ksi) A36	Solid Round		(36 ksi) A36
T13 203.00-178.00	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	(36 ksi) A572-50	Solid Round		(36 ksi) A36
T14 178.00-165.50	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	(50 ksi) A572-50	Solid Round		(36 ksi) A36
T15 165.50-153.00	Double Angle	2L2 1/2x2x3/16 (LLV)	(50 ksi) A36	Solid Round		(36 ksi) A36
T16 153.00-128.00	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	(36 ksi) A572-50	Solid Round		(36 ksi) A36
T17 128.00-103.00	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	(50 ksi) A572-50	Solid Round		(36 ksi) A36
T18 103.00-96.75	Double Angle	2L2 1/2x2x3/16 (LLV)	(50 ksi) A36	Solid Round		(36 ksi) A36
T19 96.75-78.00	Double Angle	2L2 1/2x2x3/16 (LLV)	(36 ksi) A36	Solid Round		(36 ksi) A36
T20 78.00-53.00	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	(36 ksi) A572-50	Solid Round		(36 ksi) A36
T21 53.00-28.00	Double Angle	2L2 1/2x2x3/16 (LLV)	(50 ksi) A36	Solid Round		(36 ksi) A36
T22 28.00-9.25	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	(36 ksi) A572-50	Solid Round		(36 ksi) A36
T23 9.25-4.25	Pipe	Pipe 1.5 XStr (1.9"ODx0.2")	(50 ksi) A572-50	Solid Round		(36 ksi) A36
			(50 ksi)			(36 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T2 365.50-353.00	None	Flat Bar		A36 (36 ksi)	Double Angle	2L2 1/2x3x1/4 (SLV)	A36 (36 ksi)
T4 346.75-334.25	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T5 334.25-328.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T6 328.00-303.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T8 296.75-278.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T9 278.00-253.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T10 253.00-228.00	None	Flat Bar		A36 (36 ksi)	Double Angle	2L2x2 1/2x3/16 (SLV)	A36 (36 ksi)
T12 221.75-203.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
T13 203.00-178.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T14 178.00-165.50	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T15 165.50-153.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T16 153.00-128.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T17 128.00-103.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T19 96.75-78.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T20 78.00-53.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T21 53.00-28.00	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T22 28.00-9.25	None	Flat Bar		A36 (36 ksi)	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)
T23 9.25-4.25	None	Flat Bar		A36 (36 ksi)	Pipe	PIPE_1.25 14ga	A572-50 (50 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Secondary Horizontal Type	Secondary Horizontal Size	Secondary Horizontal Grade	Inner Bracing Type	Inner Bracing Size	Inner Bracing Grade
T13 203.00-178.00	Pipe	Pipe 1.5 Std (1.9"ODx0.145")	A572-50 (50 ksi)	Solid Round		A572-50 (50 ksi)

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T1 372.25-365.50	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T2 365.50-353.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T3 353.00-346.75	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T4 346.75-334.25	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T5 334.25-328.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T6 328.00-303.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T7 303.00-296.75	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
T8 296.75-278.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T9 278.00-253.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T10 253.00-228.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T11 228.00-221.75	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T12 221.75-203.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T13 203.00-178.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T14 178.00-165.50	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T15 165.50-153.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T16 153.00-128.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T17 128.00-103.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T18 103.00-96.75	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T19 96.75-78.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T20 78.00-53.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T21 53.00-28.00	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T22 28.00-9.25	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000
T23 9.25-4.25	0.00	0.0000	A36 (36 ksi)	1	1	1	36.0000	36.0000	36.0000

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
T1 372.25-365.50	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T2 365.50-353.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T3 353.00-346.75	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T4 346.75-334.25	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T5 334.25-328.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T6 328.00-303.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T7 303.00-296.75	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1

Tower Elevation ft	Calc K Single Angles	Calc K Solid Rounds	K Factors[1] Legs	X Brace Diags X Y	K Brace Diags X Y	Single Diags X Y	Girts X Y	Horiz. X Y	Sec. Horiz. X Y	Inner Brace X Y
T8 296.75-278.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T9 278.00-253.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T10 253.00-228.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T11 228.00-221.75	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T12 221.75-203.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T13 203.00-178.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T14 178.00-165.50	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T15 165.50-153.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T16 153.00-128.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T17 128.00-103.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T18 103.00-96.75	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T19 96.75-78.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T20 78.00-53.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T21 53.00-28.00	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T22 28.00-9.25	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1
T23 9.25-4.25	Yes	Yes	1	1 1	1 1	1 1	1 1	1 1	1 1	1 1

[1]*Note: K factors are applied to member segment lengths. K-braces without inner supporting members will have the K factor in the out-of-plane direction applied to the overall length.*

Tower Section Geometry *(cont'd)*

Tower Elevation ft	Leg Net Width Deduct in	Leg U	Diagonal Net Width Deduct in	Diagonal U	Top Girt Net Width Deduct in	Top Girt U	Bottom Girt Net Width Deduct in	Bottom Girt U	Mid Girt Net Width Deduct in	Mid Girt U	Long Horizontal Net Width Deduct in	Long Horizontal U	Short Horizontal Net Width Deduct in	Short Horizontal U
T1 372.25-365.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T2 365.50-353.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T3 353.00-346.75	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T4 346.75-334.25	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T5 334.25-328.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T6 328.00-303.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T7 303.00-296.75	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T8 296.75-278.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T9 278.00-253.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T10 253.00-228.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T11 228.00-221.75	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T12 221.75-203.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T13 203.00-178.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T14 178.00-165.50	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T15 165.50-153.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T16 153.00-128.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T17 128.00-103.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T18 103.00-96.75	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T19 96.75-78.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T20 78.00-53.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T21 53.00-28.00	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T22 28.00-9.25	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T23 9.25-4.25	0.0000	1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1 372.25-365.50	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T2 365.50-353.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T3 353.00-346.75	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T4 346.75-334.25	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T5 334.25-328.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T6 328.00-303.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T7 303.00-296.75	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T8 296.75-278.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T9 278.00-253.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T10 253.00-228.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T11 228.00-221.75	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T12 221.75-203.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T13 203.00-178.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T14 178.00-165.50	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T15 165.50-153.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T16 153.00-128.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)

Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T17 128.00-103.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T18 103.00-96.75	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T19 96.75-78.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T20 78.00-53.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T21 53.00-28.00	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T22 28.00-9.25	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)
	0.0000	0.75 (2)	0.0000	0.75 (2)							0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)							0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)							0.0000	0.75 (4)	0.0000	0.75 (4)
T23 9.25-4.25	0.0000	0.75 (1)	0.0000	0.75 (1)	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75 (1)	0.0000	0.75 (1)

	0.0000	0.75 (2)	0.0000	0.75 (2)				0.0000	0.75 (2)	0.0000	0.75 (2)
	0.0000	0.75 (3)	0.0000	0.75 (3)				0.0000	0.75 (3)	0.0000	0.75 (3)
	0.0000	0.75 (4)	0.0000	0.75 (4)				0.0000	0.75 (4)	0.0000	0.75 (4)

Guy Data

Guy Elevation ft	Guy Grade		Guy Size	Initial Tension K	%	Guy Modulus ksi	Guy Weight plf	L_u ft	Anchor Radius ft	Anchor Azimuth Adj. °	Anchor Elevation ft	End Fitting Efficiency %
353	EHS	A	7/8	7.97	10%	19000	1.581	433.44	247.00	0.0000	-5.80	100%
		B	7/8	7.97	10%	19000	1.581	427.18	247.00	0.0000	1.81	100%
		C	7/8	7.97	10%	19000	1.581	438.75	247.00	0.0000	-12.20	100%
303	EHS	A	7/8	7.97	10%	19000	1.581	376.11	219.00	0.0000	-5.41	100%
		B	7/8	7.97	10%	19000	1.581	370.70	219.00	0.0000	1.23	100%
		C	7/8	7.97	10%	19000	1.581	379.94	219.00	0.0000	-10.07	100%
228	EHS	A	3/4	5.83	10%	19000	1.155	317.64	219.00	0.0000	-5.41	100%
		B	3/4	5.83	10%	19000	1.155	312.80	219.00	0.0000	1.23	100%
		C	3/4	5.83	10%	19000	1.155	321.08	219.00	0.0000	-10.07	100%
165.5	EHS	A	3/4	5.83	10%	19000	1.155	255.86	194.00	0.0000	-4.96	100%
		B	3/4	5.83	10%	19000	1.155	252.12	194.00	0.0000	0.72	100%
		C	3/4	5.83	10%	19000	1.155	258.56	194.00	0.0000	-8.98	100%
103	EHS	A	9/16	3.50	10%	21000	0.671	219.10	194.00	0.0000	-4.96	100%
		B	9/16	3.50	10%	21000	0.671	216.36	194.00	0.0000	0.72	100%
		C	9/16	3.50	10%	21000	0.671	221.10	194.00	0.0000	-8.98	100%
53	EHS	A	9/16	3.50	10%	21000	0.671	125.48	115.00	0.0000	-3.60	100%
		B	9/16	3.50	10%	21000	0.671	123.69	115.00	0.0000	0.50	100%
		C	9/16	3.50	10%	21000	0.671	126.31	115.00	0.0000	-5.40	100%

Guy Data *(cont'd)*

Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle °	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
353	Torque Arm	11.17	47.0000	Bat Ear	A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x1/4
303	Torque Arm	11.17	47.0000	Bat Ear	A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x1/4
228	Torque Arm	11.17	47.0000	Bat Ear	A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x1/4
165.5	Corner						
103	Torque Arm	11.17	47.0000	Bat Ear	A36 (36 ksi)	Double Equal Angle	2L2 1/2x2 1/2x1/4
53	Corner						

Guy Data (cont'd)

Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap.	Pull-Off Grade	Pull-Off Type	Pull-Off Size
353.00	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	
303.00	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	
228.00	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	
165.50	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	
103.00	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	
53.00	A572-50 (50 ksi)	Solid Round				A572-50 (50 ksi)	Solid Round	

Guy Data (cont'd)

Guy Elevation ft	Cable Weight A K	Cable Weight B K	Cable Weight C K	Cable Weight D K	Tower Intercept A ft	Tower Intercept B ft	Tower Intercept C ft	Tower Intercept D ft
353	0.69	0.68	0.69		18.01 7.3 sec/pulse	17.51 7.2 sec/pulse	18.45 7.4 sec/pulse	
303	0.59	0.59	0.60		13.63 6.4 sec/pulse	13.25 6.3 sec/pulse	13.90 6.4 sec/pulse	
228	0.37	0.36	0.37		9.78 5.4 sec/pulse	9.49 5.3 sec/pulse	9.99 5.5 sec/pulse	
165.5	0.30	0.29	0.30		6.38 4.4 sec/pulse	6.20 4.3 sec/pulse	6.52 4.4 sec/pulse	
103	0.15	0.15	0.15		4.56 3.7 sec/pulse	4.45 3.6 sec/pulse	4.64 3.7 sec/pulse	
53	0.08	0.08	0.08		1.50 2.1 sec/pulse	1.46 2.1 sec/pulse	1.52 2.1 sec/pulse	

Guy Data (cont'd)

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm K_x	Torque Arm K_y	Pull Off K_x	Pull Off K_y	Diagonal K_x	Diagonal K_y
353	No	No	1	1	1	1	1	1
303	No	No	1	1	1	1	1	1
228	No	No	1	1	1	1	1	1
165.5	No	No			1	1	1	1
103	No	No	1	1	1	1	1	1
53	No	No			1	1	1	1

Guy Data *(cont'd)*

Guy Elevation ft	Torque-Arm Bolt Size in	Torque-Arm Number	Torque-Arm Net Width Deduct in	Torque-Arm U	Pull Off Bolt Size in	Pull Off Number	Pull Off Net Width Deduct in	Pull Off U	Diagonal Bolt Size in	Diagonal Number	Diagonal Net Width Deduct in	Diagonal U
353	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
303	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
228	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
165.5	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
103	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
53	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75

Guy Pressures

Guy Elevation ft	Guy Location	z ft	q_z psf	q_z Ice psf	Ice Thickness in
353	A	173.60	37	6	1.0035
	B	177.41	37	6	1.0057
	C	170.40	37	6	1.0016
303	A	148.80	35	6	0.9882
	B	152.12	35	6	0.9903
	C	146.47	35	6	0.9866
228	A	111.30	32	5	0.9599
	B	114.62	33	5	0.9627
	C	108.97	32	5	0.9578
165.5	A	80.27	29	5	0.9290
	B	83.11	30	5	0.9323
	C	78.26	29	5	0.9267
103	A	49.02	26	4	0.8843
	B	51.86	26	4	0.8893
	C	47.01	25	4	0.8806
53	A	24.70	22	4	0.8257
	B	26.75	22	4	0.8323
	C	23.80	22	4	0.8227

Guy-Tensioning Information

Guy Elevation ft		H ft	V ft	Temperature At Time Of Tensioning: 0 F Initial Tension K	0 F Intercept ft	20 F Initial Tension K	20 F Intercept ft	40 F Initial Tension K	40 F Intercept ft	60 F Initial Tension K	60 F Intercept ft	80 F Initial Tension K	80 F Intercept ft	100 F Initial Tension K	100 F Intercept ft	120 F Initial Tension K	120 F Intercept ft
353	A	243.84	358.80	8.894	16.19	8.582	16.77	8.273	17.37	7.970	18.01	7.672	18.69	7.380	19.41	7.094	20.16
	B	243.84	351.19	8.922	15.69	8.600	16.26	8.282	16.87	7.970	17.51	7.663	18.19	7.363	18.91	7.070	19.66
	C	243.84	365.20	8.872	16.62	8.567	17.20	8.266	17.81	7.970	18.45	7.679	19.12	7.394	19.84	7.114	20.59
303	A	215.85	308.41	8.962	12.16	8.627	12.62	8.296	13.11	7.970	13.63	7.649	14.19	7.334	14.78	7.025	15.41
	B	215.85	301.77	8.992	11.78	8.646	12.24	8.306	12.73	7.970	13.25	7.640	13.81	7.316	14.40	6.998	15.03
	C	215.85	313.07	8.942	12.43	8.614	12.89	8.290	13.38	7.970	13.90	7.655	14.46	7.346	15.05	7.043	15.68

Guy Elevation		H	V	Temperature At Time Of Tensioning													
				0 F		20 F		40 F		60 F		80 F		100 F		120 F	
				Initial Tension	Intercept	Initial Tension	Intercept	Initial Tension	Intercept	Initial Tension	Intercept	Initial Tension	Intercept	Initial Tension	Intercept	Initial Tension	Intercept
ft		ft	ft	K	ft	K	ft	K	ft	K	ft	K	ft	K	ft	K	ft
228	A	215.85	233.41	6.853	8.34	6.506	8.78	6.165	9.26	5.830	9.78	5.503	10.35	5.184	10.97	4.875	11.65
	B	215.85	226.77	6.886	8.06	6.528	8.49	6.175	8.97	5.830	9.49	5.493	10.06	5.165	10.69	4.847	11.37
	C	215.85	238.07	6.831	8.55	6.492	8.99	6.158	9.47	5.830	9.99	5.509	10.56	5.197	11.18	4.895	11.85
165.5	A	191.11	170.46	7.099	5.26	6.669	5.59	6.246	5.96	5.830	6.38	5.424	6.85	5.030	7.38	4.650	7.98
	B	191.11	164.78	7.138	5.08	6.695	5.41	6.258	5.78	5.830	6.20	5.412	6.67	5.007	7.21	4.617	7.80
	C	191.11	174.48	7.072	5.39	6.652	5.72	6.237	6.10	5.830	6.52	5.432	6.99	5.046	7.51	4.664	8.11
103	A	190.86	107.96	4.613	3.47	4.235	3.77	3.863	4.13	3.500	4.56	3.150	5.06	2.816	5.65	2.503	6.35
	B	190.86	102.28	4.642	3.36	4.254	3.67	3.872	4.02	3.500	4.45	3.141	4.95	2.799	5.55	2.481	6.25
	C	190.86	111.98	4.593	3.54	4.221	3.85	3.856	4.22	3.500	4.64	3.156	5.14	2.827	5.73	2.519	6.42
53	A	112.11	56.60	4.735	1.11	4.320	1.22	3.908	1.35	3.500	1.50	3.098	1.70	2.705	1.94	2.327	2.26
	B	112.11	52.50	4.771	1.07	4.344	1.18	3.920	1.30	3.500	1.46	3.086	1.66	2.683	1.90	2.294	2.22
	C	112.11	58.40	4.719	1.13	4.309	1.24	3.903	1.37	3.500	1.52	3.103	1.72	2.715	1.96	2.341	2.27

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
LDF4-50A(1/2)	A	No	No	Ar (CaAa)	372.00 - 8.00	1	1	0.6300	0.6300		0.15
*****											
LDF5-50A(7/8)	B	No	No	Ar (CaAa)	325.00 - 8.00	1	1	1.0900	1.0900		0.33
*****											
LDF5-50A(7/8)	A	No	No	Ar (CaAa)	305.00 - 8.00	4	4	0.5000	1.0900		0.33
LDF5-50A(7/8)	B	No	No	Ar (CaAa)	305.00 - 8.00	4	4	0.5000	1.0900		0.33
LDF5-50A(7/8)	C	No	No	Ar (CaAa)	305.00 - 8.00	4	4	0.5000	1.0900		0.33
6x12 HCS	A	No	No	Ar (CaAa)	305.00 - 8.00	1	1	1.5400	1.5400		1.70
6x12 HCS	B	No	No	Ar (CaAa)	305.00 - 8.00	1	1	1.5400	1.5400		1.70
******											
LDF5-50A(7/8)	B	No	No	Ar (CaAa)	253.00 - 8.00	1	1	1.0900	1.0900		0.33
*****											
Fiber	A	No	No	Ar (CaAa)	252.00 - 8.00	2	2	0.5000	1.2500		0.25
DC Cable	A	No	No	Ar (CaAa)	252.00 - 8.00	4	4	0.5000	0.9570		0.25
Fiber	B	No	No	Ar (CaAa)	252.00 - 8.00	2	2	0.5000	1.2500		0.25
DC Cable	B	No	No	Ar (CaAa)	252.00 - 8.00	4	4	0.5000	0.9570		0.25
Fiber	C	No	No	Ar (CaAa)	252.00 - 8.00	2	2	0.5000	1.2500		0.25
DC Cable	C	No	No	Ar (CaAa)	252.00 - 8.00	4	4	0.5000	0.9570		0.25
*****											
LDF5-50A(7/8)	B	No	No	Ar (CaAa)	207.00 - 8.00	1	1	1.0900	1.0900		0.33
LDF5-50A(7/8)	A	No	No	Ar (CaAa)	204.00 - 8.00	1	1	1.0900	1.0900		0.33
LDF4-50A(1/2)	B	No	No	Ar (CaAa)	199.00 - 8.00	1	1	0.6300	0.6300		0.15
LDF4-50A(1/2)	B	No	No	Ar (CaAa)	152.00 - 8.00	1	1	0.6300	0.6300		0.15
LDF4-50A(1/2)	A	No	No	Ar (CaAa)	139.00 - 8.00	1	1	0.6300	0.6300		0.15
LDF5-50A(7/8)	C	No	No	Ar (CaAa)	132.00 - 8.00	1	1	1.0900	1.0900		0.33
LDF1-50A(1/4)	C	No	No	Ar (CaAa)	126.00 - 8.00	1	1	0.3450	0.3450		0.06
LDF1-50A(1/4)	B	No	No	Ar (CaAa)	95.00 - 8.00	4	4	0.3450	0.3450		0.06

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
*****									
SO Cord	C	No	No	CaAa (Out	372.00 - 8.00	1	No Ice	0.07	0.50

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft²/ft	Weight plf
				Of Face)			1/2" Ice	0.17	1.02
							1" Ice	0.27	1.88
SO Cord	B	No	No	CaAa (Out Of Face)	283.00 - 8.00	2	No Ice	0.07	0.50
							1/2" Ice	0.17	1.02
							1" Ice	0.27	1.88
SO Cord	B	No	No	CaAa (Out Of Face)	194.25 - 8.00	2	No Ice	0.07	0.50
							1/2" Ice	0.17	1.02
							1" Ice	0.27	1.88
1" Rigid	C	No	No	CaAa (Out Of Face)	102.00 - 8.00	1	No Ice	0.10	1.43
							1/2" Ice	0.20	2.35
							1" Ice	0.30	3.87

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft²	A_F ft²	C_AA_A In Face ft²	C_AA_A Out Face ft²	Weight K
T1	372.25-365.50	A	0.000	0.000	0.409	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.455	0.00
T2	365.50-353.00	A	0.000	0.000	0.787	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.875	0.01
T3	353.00-346.75	A	0.000	0.000	0.394	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.438	0.00
T4	346.75-334.25	A	0.000	0.000	0.787	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.875	0.01
T5	334.25-328.00	A	0.000	0.000	0.394	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.438	0.00
T6	328.00-303.00	A	0.000	0.000	2.755	0.000	0.01
		B	0.000	0.000	3.578	0.000	0.01
		C	0.000	0.000	0.872	1.750	0.02
T7	303.00-296.75	A	0.000	0.000	4.081	0.000	0.02
		B	0.000	0.000	4.369	0.000	0.02
		C	0.000	0.000	2.725	0.438	0.01
T8	296.75-278.00	A	0.000	0.000	12.244	0.000	0.06
		B	0.000	0.000	13.106	0.700	0.07
		C	0.000	0.000	8.175	1.312	0.03
T9	278.00-253.00	A	0.000	0.000	16.325	0.000	0.08
		B	0.000	0.000	17.475	3.500	0.11
		C	0.000	0.000	10.900	1.750	0.05
T10	253.00-228.00	A	0.000	0.000	31.512	0.000	0.12
		B	0.000	0.000	35.387	3.500	0.15
		C	0.000	0.000	26.087	1.750	0.08
T11	228.00-221.75	A	0.000	0.000	8.036	0.000	0.03
		B	0.000	0.000	9.005	0.875	0.04
		C	0.000	0.000	6.680	0.438	0.02
T12	221.75-203.00	A	0.000	0.000	24.218	0.000	0.09
		B	0.000	0.000	27.451	2.625	0.12
		C	0.000	0.000	20.040	1.312	0.06
T13	203.00-178.00	A	0.000	0.000	34.870	0.000	0.12

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		B	0.000	0.000	40.068	5.775	0.18
		C	0.000	0.000	26.720	1.750	0.08
T14	178.00-165.50	A	0.000	0.000	17.435	0.000	0.06
		B	0.000	0.000	20.160	3.500	0.10
		C	0.000	0.000	13.360	0.875	0.04
T15	165.50-153.00	A	0.000	0.000	17.435	0.000	0.06
		B	0.000	0.000	20.160	3.500	0.10
		C	0.000	0.000	13.360	0.875	0.04
T16	153.00-128.00	A	0.000	0.000	35.563	0.000	0.13
		B	0.000	0.000	41.832	7.000	0.20
		C	0.000	0.000	27.156	1.750	0.08
T17	128.00-103.00	A	0.000	0.000	36.445	0.000	0.13
		B	0.000	0.000	41.895	7.000	0.20
		C	0.000	0.000	30.238	1.750	0.09
T18	103.00-96.75	A	0.000	0.000	9.111	0.000	0.03
		B	0.000	0.000	10.474	1.750	0.05
		C	0.000	0.000	7.577	0.962	0.03
T19	96.75-78.00	A	0.000	0.000	27.334	0.000	0.10
		B	0.000	0.000	33.767	5.250	0.15
		C	0.000	0.000	22.731	3.188	0.10
T20	78.00-53.00	A	0.000	0.000	36.445	0.000	0.13
		B	0.000	0.000	45.345	7.000	0.20
		C	0.000	0.000	30.308	4.250	0.13
T21	53.00-28.00	A	0.000	0.000	36.445	0.000	0.13
		B	0.000	0.000	45.345	7.000	0.20
		C	0.000	0.000	30.308	4.250	0.13
T22	28.00-9.25	A	0.000	0.000	27.334	0.000	0.10
		B	0.000	0.000	34.009	5.250	0.15
		C	0.000	0.000	22.731	3.188	0.10
T23	9.25-4.25	A	0.000	0.000	1.822	0.000	0.01
		B	0.000	0.000	2.267	0.350	0.01
		C	0.000	0.000	1.515	0.213	0.01

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
T1	372.25-365.50	A	1.082	0.000	0.000	1.816	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	1.862	0.01
T2	365.50-353.00	A	1.079	0.000	0.000	3.486	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	3.573	0.02
T3	353.00-346.75	A	1.076	0.000	0.000	1.739	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	1.783	0.01
T4	346.75-334.25	A	1.073	0.000	0.000	3.471	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	3.559	0.02
T5	334.25-328.00	A	1.070	0.000	0.000	1.732	0.000	0.01
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	1.776	0.01
T6	328.00-303.00	A	1.065	0.000	0.000	9.789	0.000	0.09
		B		0.000	0.000	9.973	0.000	0.10
		C		0.000	0.000	2.154	7.077	0.07
T7	303.00-296.75	A	1.060	0.000	0.000	10.726	0.000	0.10
		B		0.000	0.000	11.013	0.000	0.11

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C		0.000	0.000	6.720	1.762	0.07
T8	296.75-278.00	A	1.055	0.000	0.000	32.116	0.000	0.31
		B		0.000	0.000	32.978	2.811	0.34
		C		0.000	0.000	20.131	5.270	0.20
T9	278.00-253.00	A	1.047	0.000	0.000	42.670	0.000	0.40
		B		0.000	0.000	43.820	13.971	0.52
		C		0.000	0.000	26.774	6.986	0.27
T10	253.00-228.00	A	1.037	0.000	0.000	84.673	0.000	0.71
		B		0.000	0.000	93.731	13.868	0.90
		C		0.000	0.000	68.880	6.934	0.58
T11	228.00-221.75	A	1.030	0.000	0.000	21.547	0.000	0.18
		B		0.000	0.000	23.803	3.450	0.23
		C		0.000	0.000	17.616	1.725	0.15
T12	221.75-203.00	A	1.024	0.000	0.000	64.801	0.000	0.54
		B		0.000	0.000	72.488	10.305	0.69
		C		0.000	0.000	52.739	5.153	0.44
T13	203.00-178.00	A	1.013	0.000	0.000	93.386	0.000	0.78
		B		0.000	0.000	107.902	22.488	1.08
		C		0.000	0.000	70.043	6.815	0.58
T14	178.00-165.50	A	1.002	0.000	0.000	46.485	0.000	0.39
		B		0.000	0.000	54.222	13.525	0.55
		C		0.000	0.000	34.891	3.381	0.29
T15	165.50-153.00	A	0.995	0.000	0.000	46.334	0.000	0.38
		B		0.000	0.000	54.034	13.450	0.55
		C		0.000	0.000	34.798	3.362	0.29
T16	153.00-128.00	A	0.983	0.000	0.000	95.029	0.000	0.78
		B		0.000	0.000	113.678	26.651	1.14
		C		0.000	0.000	70.509	6.663	0.58
T17	128.00-103.00	A	0.963	0.000	0.000	97.807	0.000	0.80
		B		0.000	0.000	112.892	26.270	1.11
		C		0.000	0.000	81.581	6.567	0.66
T18	103.00-96.75	A	0.950	0.000	0.000	24.296	0.000	0.20
		B		0.000	0.000	28.032	6.498	0.27
		C		0.000	0.000	20.388	3.147	0.18
T19	96.75-78.00	A	0.937	0.000	0.000	72.464	0.000	0.58
		B		0.000	0.000	93.840	19.305	0.87
		C		0.000	0.000	60.834	10.215	0.55
T20	78.00-53.00	A	0.910	0.000	0.000	95.426	0.000	0.75
		B		0.000	0.000	124.846	25.207	1.13
		C		0.000	0.000	80.186	13.354	0.72
T21	53.00-28.00	A	0.868	0.000	0.000	93.514	0.000	0.72
		B		0.000	0.000	122.147	24.353	1.08
		C		0.000	0.000	78.701	12.926	0.68
T22	28.00-9.25	A	0.803	0.000	0.000	67.963	0.000	0.50
		B		0.000	0.000	88.544	17.292	0.75
		C		0.000	0.000	57.339	9.208	0.48
T23	9.25-4.25	A	0.725	0.000	0.000	4.358	0.000	0.03
		B		0.000	0.000	5.659	1.075	0.05
		C		0.000	0.000	3.689	0.575	0.03

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T1	372.25-365.50	-1.0845	0.3959	-3.0165	0.9975
T2	365.50-353.00	-0.9982	0.3670	-2.8732	0.9563

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
T3	353.00-346.75	-0.9862	0.3615	-2.8405	0.9492
T4	346.75-334.25	-1.8511	0.6220	-3.8714	1.2204
T5	334.25-328.00	-1.9226	0.6313	-3.9168	1.2232
T6	328.00-303.00	-1.1427	-0.0165	-2.6491	0.3855
T7	303.00-296.75	-0.4889	-1.4529	-1.4188	-1.2993
T8	296.75-278.00	-0.2260	-1.6476	-0.7028	-0.9044
T9	278.00-253.00	1.0619	-0.9067	1.6897	0.5032
T10	253.00-228.00	0.9902	-1.8263	1.5402	-0.6640
T11	228.00-221.75	0.7790	-1.5314	1.3831	-0.6448
T12	221.75-203.00	1.0767	-1.9734	1.6021	-0.7683
T13	203.00-178.00	1.8262	-1.7465	2.8524	-0.4443
T14	178.00-165.50	2.2768	-1.5504	3.5718	-0.0927
T15	165.50-153.00	2.2052	-1.5147	3.5271	-0.1002
T16	153.00-128.00	2.3187	-1.5994	3.5981	-0.2741
T17	128.00-103.00	1.7275	-1.0430	3.0151	0.1678
T18	103.00-96.75	1.1364	-0.6869	2.1526	0.5952
T19	96.75-78.00	1.5318	-0.9184	2.4609	0.4535
T20	78.00-53.00	1.5829	-0.9468	2.4887	0.3982
T21	53.00-28.00	1.5596	-0.9367	2.4503	0.3446
T22	28.00-9.25	1.5829	-0.9468	2.4227	0.2614
T23	9.25-4.25	0.7955	-0.4760	1.3264	0.0852

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T1	1	LDF4-50A(1/2)	365.50 - 372.00	0.6000	0.6000
T2	1	LDF4-50A(1/2)	353.00 - 365.50	0.6000	0.5998
T3	1	LDF4-50A(1/2)	346.75 - 353.00	0.6000	0.5951
T4	1	LDF4-50A(1/2)	334.25 - 346.75	0.6000	0.6000
T5	1	LDF4-50A(1/2)	328.00 - 334.25	0.6000	0.6000
T6	1	LDF4-50A(1/2)	303.00 - 328.00	0.6000	0.6000
T6	3	LDF5-50A(7/8)	303.00 - 325.00	0.6000	0.6000
T6	5	LDF5-50A(7/8)	303.00 - 305.00	0.6000	0.6000
T6	6	LDF5-50A(7/8)	303.00 - 305.00	0.6000	0.6000
T6	7	LDF5-50A(7/8)	303.00 - 305.00	0.6000	0.6000
T6	8	6x12 HCS	303.00 - 305.00	0.6000	0.6000
T6	9	6x12 HCS	303.00 - 305.00	0.6000	0.6000
T7	1	LDF4-50A(1/2)	296.75 - 303.00	0.6000	0.6000
T7	3	LDF5-50A(7/8)	296.75 - 303.00	0.6000	0.6000
T7	5	LDF5-50A(7/8)	296.75 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T7	6	LDF5-50A(7/8)	303.00 296.75 -	0.6000	0.6000
T7	7	LDF5-50A(7/8)	303.00 296.75 -	0.6000	0.6000
T7	8	6x12 HCS	303.00 296.75 -	0.6000	0.6000
T7	9	6x12 HCS	303.00 296.75 -	0.6000	0.6000
T8	1	LDF4-50A(1/2)	303.00 278.00 -	0.6000	0.6000
T8	3	LDF5-50A(7/8)	296.75 278.00 -	0.6000	0.6000
T8	5	LDF5-50A(7/8)	296.75 278.00 -	0.6000	0.6000
T8	6	LDF5-50A(7/8)	296.75 278.00 -	0.6000	0.6000
T8	7	LDF5-50A(7/8)	296.75 278.00 -	0.6000	0.6000
T8	8	6x12 HCS	296.75 278.00 -	0.6000	0.6000
T8	9	6x12 HCS	296.75 278.00 -	0.6000	0.6000
T9	1	LDF4-50A(1/2)	296.75 253.00 -	0.6000	0.6000
T9	3	LDF5-50A(7/8)	278.00 253.00 -	0.6000	0.6000
T9	5	LDF5-50A(7/8)	278.00 253.00 -	0.6000	0.6000
T9	6	LDF5-50A(7/8)	278.00 253.00 -	0.6000	0.6000
T9	7	LDF5-50A(7/8)	278.00 253.00 -	0.6000	0.6000
T9	8	6x12 HCS	278.00 253.00 -	0.6000	0.6000
T9	9	6x12 HCS	278.00 253.00 -	0.6000	0.6000
T10	1	LDF4-50A(1/2)	278.00 228.00 -	0.6000	0.6000
T10	3	LDF5-50A(7/8)	253.00 228.00 -	0.6000	0.6000
T10	5	LDF5-50A(7/8)	253.00 228.00 -	0.6000	0.6000
T10	6	LDF5-50A(7/8)	253.00 228.00 -	0.6000	0.6000
T10	7	LDF5-50A(7/8)	253.00 228.00 -	0.6000	0.6000
T10	8	6x12 HCS	253.00 228.00 -	0.6000	0.6000
T10	9	6x12 HCS	253.00 228.00 -	0.6000	0.6000
T10	11	LDF5-50A(7/8)	253.00 228.00 -	0.6000	0.6000
T10	13	Fiber	253.00 228.00 -	0.6000	0.6000
T10	14	DC Cable	252.00 228.00 -	0.6000	0.6000
T10	15	Fiber	252.00 228.00 -	0.6000	0.6000
T10	16	DC Cable	252.00 228.00 -	0.6000	0.6000
T10	17	Fiber	252.00 228.00 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T10	18	DC Cable	252.00 228.00 - 252.00	0.6000	0.6000
T11	1	LDF4-50A(1/2)	221.75 - 228.00	0.6000	0.6000
T11	3	LDF5-50A(7/8)	221.75 - 228.00	0.6000	0.6000
T11	5	LDF5-50A(7/8)	221.75 - 228.00	0.6000	0.6000
T11	6	LDF5-50A(7/8)	221.75 - 228.00	0.6000	0.6000
T11	7	LDF5-50A(7/8)	221.75 - 228.00	0.6000	0.6000
T11	8	6x12 HCS	221.75 - 228.00	0.6000	0.6000
T11	9	6x12 HCS	221.75 - 228.00	0.6000	0.6000
T11	11	LDF5-50A(7/8)	221.75 - 228.00	0.6000	0.6000
T11	13	Fiber	221.75 - 228.00	0.6000	0.6000
T11	14	DC Cable	221.75 - 228.00	0.6000	0.6000
T11	15	Fiber	221.75 - 228.00	0.6000	0.6000
T11	16	DC Cable	221.75 - 228.00	0.6000	0.6000
T11	17	Fiber	221.75 - 228.00	0.6000	0.6000
T11	18	DC Cable	221.75 - 228.00	0.6000	0.6000
T12	1	LDF4-50A(1/2)	203.00 - 221.75	0.6000	0.6000
T12	3	LDF5-50A(7/8)	203.00 - 221.75	0.6000	0.6000
T12	5	LDF5-50A(7/8)	203.00 - 221.75	0.6000	0.6000
T12	6	LDF5-50A(7/8)	203.00 - 221.75	0.6000	0.6000
T12	7	LDF5-50A(7/8)	203.00 - 221.75	0.6000	0.6000
T12	8	6x12 HCS	203.00 - 221.75	0.6000	0.6000
T12	9	6x12 HCS	203.00 - 221.75	0.6000	0.6000
T12	11	LDF5-50A(7/8)	203.00 - 221.75	0.6000	0.6000
T12	13	Fiber	203.00 - 221.75	0.6000	0.6000
T12	14	DC Cable	203.00 - 221.75	0.6000	0.6000
T12	15	Fiber	203.00 - 221.75	0.6000	0.6000
T12	16	DC Cable	203.00 - 221.75	0.6000	0.6000
T12	17	Fiber	203.00 - 221.75	0.6000	0.6000
T12	18	DC Cable	203.00 - 221.75	0.6000	0.6000
T12	20	LDF5-50A(7/8)	203.00 - 207.00	0.6000	0.6000
T12	21	LDF5-50A(7/8)	203.00 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T13	1	LDF4-50A(1/2)	204.00 178.00 - 203.00	0.6000	0.6000
T13	3	LDF5-50A(7/8)	178.00 - 203.00	0.6000	0.6000
T13	5	LDF5-50A(7/8)	178.00 - 203.00	0.6000	0.6000
T13	6	LDF5-50A(7/8)	178.00 - 203.00	0.6000	0.6000
T13	7	LDF5-50A(7/8)	178.00 - 203.00	0.6000	0.6000
T13	8	6x12 HCS	178.00 - 203.00	0.6000	0.6000
T13	9	6x12 HCS	178.00 - 203.00	0.6000	0.6000
T13	11	LDF5-50A(7/8)	178.00 - 203.00	0.6000	0.6000
T13	13	Fiber	178.00 - 203.00	0.6000	0.6000
T13	14	DC Cable	178.00 - 203.00	0.6000	0.6000
T13	15	Fiber	178.00 - 203.00	0.6000	0.6000
T13	16	DC Cable	178.00 - 203.00	0.6000	0.6000
T13	17	Fiber	178.00 - 203.00	0.6000	0.6000
T13	18	DC Cable	178.00 - 203.00	0.6000	0.6000
T13	20	LDF5-50A(7/8)	178.00 - 203.00	0.6000	0.6000
T13	21	LDF5-50A(7/8)	178.00 - 203.00	0.6000	0.6000
T13	22	LDF4-50A(1/2)	178.00 - 199.00	0.6000	0.6000
T14	1	LDF4-50A(1/2)	165.50 - 178.00	0.6000	0.6000
T14	3	LDF5-50A(7/8)	165.50 - 178.00	0.6000	0.6000
T14	5	LDF5-50A(7/8)	165.50 - 178.00	0.6000	0.6000
T14	6	LDF5-50A(7/8)	165.50 - 178.00	0.6000	0.6000
T14	7	LDF5-50A(7/8)	165.50 - 178.00	0.6000	0.6000
T14	8	6x12 HCS	165.50 - 178.00	0.6000	0.6000
T14	9	6x12 HCS	165.50 - 178.00	0.6000	0.6000
T14	11	LDF5-50A(7/8)	165.50 - 178.00	0.6000	0.6000
T14	13	Fiber	165.50 - 178.00	0.6000	0.6000
T14	14	DC Cable	165.50 - 178.00	0.6000	0.6000
T14	15	Fiber	165.50 - 178.00	0.6000	0.6000
T14	16	DC Cable	165.50 - 178.00	0.6000	0.6000
T14	17	Fiber	165.50 - 178.00	0.6000	0.6000
T14	18	DC Cable	165.50 -	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T14	20	LDF5-50A(7/8)	178.00 - 165.50	0.6000	0.6000
T14	21	LDF5-50A(7/8)	178.00 - 165.50	0.6000	0.6000
T14	22	LDF4-50A(1/2)	178.00 - 165.50	0.6000	0.6000
T15	1	LDF4-50A(1/2)	178.00 - 153.00	0.6000	0.6000
T15	3	LDF5-50A(7/8)	165.50 - 153.00	0.6000	0.6000
T15	5	LDF5-50A(7/8)	165.50 - 153.00	0.6000	0.6000
T15	6	LDF5-50A(7/8)	165.50 - 153.00	0.6000	0.6000
T15	7	LDF5-50A(7/8)	165.50 - 153.00	0.6000	0.6000
T15	8	6x12 HCS	165.50 - 153.00	0.6000	0.6000
T15	9	6x12 HCS	165.50 - 153.00	0.6000	0.6000
T15	11	LDF5-50A(7/8)	165.50 - 153.00	0.6000	0.6000
T15	13	Fiber	165.50 - 153.00	0.6000	0.6000
T15	14	DC Cable	165.50 - 153.00	0.6000	0.6000
T15	15	Fiber	165.50 - 153.00	0.6000	0.6000
T15	16	DC Cable	165.50 - 153.00	0.6000	0.6000
T15	17	Fiber	165.50 - 153.00	0.6000	0.6000
T15	18	DC Cable	165.50 - 153.00	0.6000	0.6000
T15	20	LDF5-50A(7/8)	165.50 - 153.00	0.6000	0.6000
T15	21	LDF5-50A(7/8)	165.50 - 153.00	0.6000	0.6000
T15	22	LDF4-50A(1/2)	165.50 - 153.00	0.6000	0.6000
T16	1	LDF4-50A(1/2)	153.00 - 128.00	0.6000	0.6000
T16	3	LDF5-50A(7/8)	153.00 - 128.00	0.6000	0.6000
T16	5	LDF5-50A(7/8)	153.00 - 128.00	0.6000	0.6000
T16	6	LDF5-50A(7/8)	153.00 - 128.00	0.6000	0.6000
T16	7	LDF5-50A(7/8)	153.00 - 128.00	0.6000	0.6000
T16	8	6x12 HCS	153.00 - 128.00	0.6000	0.6000
T16	9	6x12 HCS	153.00 - 128.00	0.6000	0.6000
T16	11	LDF5-50A(7/8)	153.00 - 128.00	0.6000	0.6000
T16	13	Fiber	153.00 - 128.00	0.6000	0.6000
T16	14	DC Cable	153.00 - 128.00	0.6000	0.6000
T16	15	Fiber	153.00 - 128.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T16	16	DC Cable	153.00 128.00 -	0.6000	0.6000
T16	17	Fiber	153.00 128.00 -	0.6000	0.6000
T16	18	DC Cable	153.00 128.00 -	0.6000	0.6000
T16	20	LDF5-50A(7/8)	153.00 128.00 -	0.6000	0.6000
T16	21	LDF5-50A(7/8)	153.00 128.00 -	0.6000	0.6000
T16	22	LDF4-50A(1/2)	153.00 128.00 -	0.6000	0.6000
T16	23	LDF4-50A(1/2)	153.00 128.00 -	0.6000	0.6000
T16	24	LDF4-50A(1/2)	152.00 128.00 -	0.6000	0.6000
T16	25	LDF5-50A(7/8)	139.00 128.00 -	0.6000	0.6000
T17	1	LDF4-50A(1/2)	132.00 103.00 -	0.6000	0.6000
T17	3	LDF5-50A(7/8)	128.00 103.00 -	0.6000	0.6000
T17	5	LDF5-50A(7/8)	128.00 103.00 -	0.6000	0.6000
T17	6	LDF5-50A(7/8)	128.00 103.00 -	0.6000	0.6000
T17	7	LDF5-50A(7/8)	128.00 103.00 -	0.6000	0.6000
T17	8	6x12 HCS	128.00 103.00 -	0.6000	0.6000
T17	9	6x12 HCS	128.00 103.00 -	0.6000	0.6000
T17	11	LDF5-50A(7/8)	128.00 103.00 -	0.6000	0.6000
T17	13	Fiber	128.00 103.00 -	0.6000	0.6000
T17	14	DC Cable	128.00 103.00 -	0.6000	0.6000
T17	15	Fiber	128.00 103.00 -	0.6000	0.6000
T17	16	DC Cable	128.00 103.00 -	0.6000	0.6000
T17	17	Fiber	128.00 103.00 -	0.6000	0.6000
T17	18	DC Cable	128.00 103.00 -	0.6000	0.6000
T17	20	LDF5-50A(7/8)	128.00 103.00 -	0.6000	0.6000
T17	21	LDF5-50A(7/8)	128.00 103.00 -	0.6000	0.6000
T17	22	LDF4-50A(1/2)	128.00 103.00 -	0.6000	0.6000
T17	23	LDF4-50A(1/2)	128.00 103.00 -	0.6000	0.6000
T17	24	LDF4-50A(1/2)	128.00 103.00 -	0.6000	0.6000
T17	25	LDF5-50A(7/8)	128.00 103.00 -	0.6000	0.6000
T17	26	LDF1-50A(1/4)	128.00 103.00 -	0.6000	0.6000
T18	1	LDF4-50A(1/2)	126.00 96.75 - 103.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T18	3	LDF5-50A(7/8)	96.75 - 103.00	0.6000	0.6000
T18	5	LDF5-50A(7/8)	96.75 - 103.00	0.6000	0.6000
T18	6	LDF5-50A(7/8)	96.75 - 103.00	0.6000	0.6000
T18	7	LDF5-50A(7/8)	96.75 - 103.00	0.6000	0.6000
T18	8	6x12 HCS	96.75 - 103.00	0.6000	0.6000
T18	9	6x12 HCS	96.75 - 103.00	0.6000	0.6000
T18	11	LDF5-50A(7/8)	96.75 - 103.00	0.6000	0.6000
T18	13	Fiber	96.75 - 103.00	0.6000	0.6000
T18	14	DC Cable	96.75 - 103.00	0.6000	0.6000
T18	15	Fiber	96.75 - 103.00	0.6000	0.6000
T18	16	DC Cable	96.75 - 103.00	0.6000	0.6000
T18	17	Fiber	96.75 - 103.00	0.6000	0.6000
T18	18	DC Cable	96.75 - 103.00	0.6000	0.6000
T18	20	LDF5-50A(7/8)	96.75 - 103.00	0.6000	0.6000
T18	21	LDF5-50A(7/8)	96.75 - 103.00	0.6000	0.6000
T18	22	LDF4-50A(1/2)	96.75 - 103.00	0.6000	0.6000
T18	23	LDF4-50A(1/2)	96.75 - 103.00	0.6000	0.6000
T18	24	LDF4-50A(1/2)	96.75 - 103.00	0.6000	0.6000
T18	25	LDF5-50A(7/8)	96.75 - 103.00	0.6000	0.6000
T18	26	LDF1-50A(1/4)	96.75 - 103.00	0.6000	0.6000
T19	1	LDF4-50A(1/2)	78.00 - 96.75	0.6000	0.6000
T19	3	LDF5-50A(7/8)	78.00 - 96.75	0.6000	0.6000
T19	5	LDF5-50A(7/8)	78.00 - 96.75	0.6000	0.6000
T19	6	LDF5-50A(7/8)	78.00 - 96.75	0.6000	0.6000
T19	7	LDF5-50A(7/8)	78.00 - 96.75	0.6000	0.6000
T19	8	6x12 HCS	78.00 - 96.75	0.6000	0.6000
T19	9	6x12 HCS	78.00 - 96.75	0.6000	0.6000
T19	11	LDF5-50A(7/8)	78.00 - 96.75	0.6000	0.6000
T19	13	Fiber	78.00 - 96.75	0.6000	0.6000
T19	14	DC Cable	78.00 - 96.75	0.6000	0.6000
T19	15	Fiber	78.00 - 96.75	0.6000	0.6000
T19	16	DC Cable	78.00 - 96.75	0.6000	0.6000
T19	17	Fiber	78.00 - 96.75	0.6000	0.6000
T19	18	DC Cable	78.00 - 96.75	0.6000	0.6000
T19	20	LDF5-50A(7/8)	78.00 - 96.75	0.6000	0.6000
T19	21	LDF5-50A(7/8)	78.00 - 96.75	0.6000	0.6000
T19	22	LDF4-50A(1/2)	78.00 - 96.75	0.6000	0.6000
T19	23	LDF4-50A(1/2)	78.00 - 96.75	0.6000	0.6000
T19	24	LDF4-50A(1/2)	78.00 - 96.75	0.6000	0.6000
T19	25	LDF5-50A(7/8)	78.00 - 96.75	0.6000	0.6000
T19	26	LDF1-50A(1/4)	78.00 - 96.75	0.6000	0.6000
T19	27	LDF1-50A(1/4)	78.00 - 95.00	0.6000	0.6000
T20	1	LDF4-50A(1/2)	53.00 - 78.00	0.6000	0.6000
T20	3	LDF5-50A(7/8)	53.00 - 78.00	0.6000	0.6000
T20	5	LDF5-50A(7/8)	53.00 - 78.00	0.6000	0.6000
T20	6	LDF5-50A(7/8)	53.00 - 78.00	0.6000	0.6000
T20	7	LDF5-50A(7/8)	53.00 - 78.00	0.6000	0.6000
T20	8	6x12 HCS	53.00 - 78.00	0.6000	0.6000
T20	9	6x12 HCS	53.00 - 78.00	0.6000	0.6000
T20	11	LDF5-50A(7/8)	53.00 - 78.00	0.6000	0.6000
T20	13	Fiber	53.00 - 78.00	0.6000	0.6000
T20	14	DC Cable	53.00 - 78.00	0.6000	0.6000
T20	15	Fiber	53.00 - 78.00	0.6000	0.6000
T20	16	DC Cable	53.00 - 78.00	0.6000	0.6000
T20	17	Fiber	53.00 - 78.00	0.6000	0.6000
T20	18	DC Cable	53.00 - 78.00	0.6000	0.6000
T20	20	LDF5-50A(7/8)	53.00 - 78.00	0.6000	0.6000
T20	21	LDF5-50A(7/8)	53.00 - 78.00	0.6000	0.6000
T20	22	LDF4-50A(1/2)	53.00 - 78.00	0.6000	0.6000
T20	23	LDF4-50A(1/2)	53.00 - 78.00	0.6000	0.6000
T20	24	LDF4-50A(1/2)	53.00 - 78.00	0.6000	0.6000
T20	25	LDF5-50A(7/8)	53.00 - 78.00	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T20	26	LDF1-50A(1/4)	53.00 - 78.00	0.6000	0.6000
T20	27	LDF1-50A(1/4)	53.00 - 78.00	0.6000	0.6000
T21	1	LDF4-50A(1/2)	28.00 - 53.00	0.6000	0.6000
T21	3	LDF5-50A(7/8)	28.00 - 53.00	0.6000	0.6000
T21	5	LDF5-50A(7/8)	28.00 - 53.00	0.6000	0.6000
T21	6	LDF5-50A(7/8)	28.00 - 53.00	0.6000	0.6000
T21	7	LDF5-50A(7/8)	28.00 - 53.00	0.6000	0.6000
T21	8	6x12 HCS	28.00 - 53.00	0.6000	0.6000
T21	9	6x12 HCS	28.00 - 53.00	0.6000	0.6000
T21	11	LDF5-50A(7/8)	28.00 - 53.00	0.6000	0.6000
T21	13	Fiber	28.00 - 53.00	0.6000	0.6000
T21	14	DC Cable	28.00 - 53.00	0.6000	0.6000
T21	15	Fiber	28.00 - 53.00	0.6000	0.6000
T21	16	DC Cable	28.00 - 53.00	0.6000	0.6000
T21	17	Fiber	28.00 - 53.00	0.6000	0.6000
T21	18	DC Cable	28.00 - 53.00	0.6000	0.6000
T21	20	LDF5-50A(7/8)	28.00 - 53.00	0.6000	0.6000
T21	21	LDF5-50A(7/8)	28.00 - 53.00	0.6000	0.6000
T21	22	LDF4-50A(1/2)	28.00 - 53.00	0.6000	0.6000
T21	23	LDF4-50A(1/2)	28.00 - 53.00	0.6000	0.6000
T21	24	LDF4-50A(1/2)	28.00 - 53.00	0.6000	0.6000
T21	25	LDF5-50A(7/8)	28.00 - 53.00	0.6000	0.6000
T21	26	LDF1-50A(1/4)	28.00 - 53.00	0.6000	0.6000
T21	27	LDF1-50A(1/4)	28.00 - 53.00	0.6000	0.6000
T22	1	LDF4-50A(1/2)	9.25 - 28.00	0.6000	0.6000
T22	3	LDF5-50A(7/8)	9.25 - 28.00	0.6000	0.6000
T22	5	LDF5-50A(7/8)	9.25 - 28.00	0.6000	0.6000
T22	6	LDF5-50A(7/8)	9.25 - 28.00	0.6000	0.6000
T22	7	LDF5-50A(7/8)	9.25 - 28.00	0.6000	0.6000
T22	8	6x12 HCS	9.25 - 28.00	0.6000	0.6000
T22	9	6x12 HCS	9.25 - 28.00	0.6000	0.6000
T22	11	LDF5-50A(7/8)	9.25 - 28.00	0.6000	0.6000
T22	13	Fiber	9.25 - 28.00	0.6000	0.6000
T22	14	DC Cable	9.25 - 28.00	0.6000	0.6000
T22	15	Fiber	9.25 - 28.00	0.6000	0.6000
T22	16	DC Cable	9.25 - 28.00	0.6000	0.6000
T22	17	Fiber	9.25 - 28.00	0.6000	0.6000
T22	18	DC Cable	9.25 - 28.00	0.6000	0.6000
T22	20	LDF5-50A(7/8)	9.25 - 28.00	0.6000	0.6000
T22	21	LDF5-50A(7/8)	9.25 - 28.00	0.6000	0.6000
T22	22	LDF4-50A(1/2)	9.25 - 28.00	0.6000	0.6000
T22	23	LDF4-50A(1/2)	9.25 - 28.00	0.6000	0.6000
T22	24	LDF4-50A(1/2)	9.25 - 28.00	0.6000	0.6000
T22	25	LDF5-50A(7/8)	9.25 - 28.00	0.6000	0.6000
T22	26	LDF1-50A(1/4)	9.25 - 28.00	0.6000	0.6000
T22	27	LDF1-50A(1/4)	9.25 - 28.00	0.6000	0.6000
T23	1	LDF4-50A(1/2)	8.00 - 9.25	0.6000	0.6000
T23	3	LDF5-50A(7/8)	8.00 - 9.25	0.6000	0.6000
T23	5	LDF5-50A(7/8)	8.00 - 9.25	0.6000	0.6000
T23	6	LDF5-50A(7/8)	8.00 - 9.25	0.6000	0.6000
T23	7	LDF5-50A(7/8)	8.00 - 9.25	0.6000	0.6000
T23	8	6x12 HCS	8.00 - 9.25	0.6000	0.6000
T23	9	6x12 HCS	8.00 - 9.25	0.6000	0.6000
T23	11	LDF5-50A(7/8)	8.00 - 9.25	0.6000	0.6000
T23	13	Fiber	8.00 - 9.25	0.6000	0.6000
T23	14	DC Cable	8.00 - 9.25	0.6000	0.6000
T23	15	Fiber	8.00 - 9.25	0.6000	0.6000
T23	16	DC Cable	8.00 - 9.25	0.6000	0.6000
T23	17	Fiber	8.00 - 9.25	0.6000	0.6000
T23	18	DC Cable	8.00 - 9.25	0.6000	0.6000
T23	20	LDF5-50A(7/8)	8.00 - 9.25	0.6000	0.6000
T23	21	LDF5-50A(7/8)	8.00 - 9.25	0.6000	0.6000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
T23	22	LDF4-50A(1/2)	8.00 - 9.25	0.6000	0.6000
T23	23	LDF4-50A(1/2)	8.00 - 9.25	0.6000	0.6000
T23	24	LDF4-50A(1/2)	8.00 - 9.25	0.6000	0.6000
T23	25	LDF5-50A(7/8)	8.00 - 9.25	0.6000	0.6000
T23	26	LDF1-50A(1/4)	8.00 - 9.25	0.6000	0.6000
T23	27	LDF1-50A(1/4)	8.00 - 9.25	0.6000	0.6000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Search Antenna	A	From Leg	1.00	0.0000	377.00	No Ice	1.28	3.73	0.03
			-4.00			1/2" Ice	3.73	4.39	0.04
			0.00			1" Ice	6.18	5.05	0.06
Antenna Mast Pipe	A	From Leg	1.00	0.0000	377.00	No Ice	1.66	1.66	0.03
			0.00			1/2" Ice	2.39	2.39	0.04
			-3.00			1" Ice	3.12	3.12	0.05
*****									
Lightning Rod	C	From Leg	1.00	0.0000	374.00	No Ice	0.75	0.75	0.01
			0.00			1/2" Ice	1.25	1.25	0.04
			0.00			1" Ice	1.75	1.75	0.07
Flash Beacon Light	C	From Leg	0.00	0.0000	372.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
Flash Beacon Light	A	From Leg	0.00	0.0000	283.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
Flash Beacon Light	B	From Leg	0.00	0.0000	283.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
Flash Beacon Light	C	From Leg	0.00	0.0000	283.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
Flash Beacon Light	A	From Leg	0.00	0.0000	195.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
Flash Beacon Light	B	From Leg	0.00	0.0000	195.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
Flash Beacon Light	A	From Leg	0.00	0.0000	102.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
Flash Beacon Light	B	From Leg	0.00	0.0000	102.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
Flash Beacon Light	C	From Leg	0.00	0.0000	102.00	No Ice	0.24	0.24	0.05
			0.00			1/2" Ice	0.42	0.42	0.06
			0.00			1" Ice	0.60	0.60	0.06
*****									
Antenna Mast Pipe	B	From Leg	1.00	0.0000	354.00	No Ice	1.66	1.66	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft 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	2.39	2.39	0.04
			0.00			1" Ice	3.12	3.12	0.05
Pipe Mount	C	From Leg	1.00	0.0000	354.00	No Ice	1.89	1.89	0.04
			0.00			1/2" Ice	2.59	2.59	0.06
			0.00			1" Ice	3.29	3.29	0.07
*****									
RHSDC-3315-PF-48	A	From Leg	3.00	0.0000	305.00	No Ice	3.36	2.19	0.03
			0.00			1/2" Ice	3.60	2.39	0.06
			6.00			1" Ice	3.84	2.61	0.09
RHSDC-3315-PF-48	B	From Leg	3.00	0.0000	305.00	No Ice	3.36	2.19	0.03
			0.00			1/2" Ice	3.60	2.39	0.06
			6.00			1" Ice	3.84	2.61	0.09
(2) NHH-65B-R2B w/ BSAMNT-SBS-1-2	A	From Leg	3.00	0.0000	305.00	No Ice	8.32	7.00	0.08
			0.00			1/2" Ice	8.88	8.19	0.16
			0.00			1" Ice	9.40	9.08	0.23
(2) NHH-65B-R2B w/ BSAMNT-SBS-1-2	B	From Leg	3.00	0.0000	305.00	No Ice	8.32	7.00	0.08
			0.00			1/2" Ice	8.88	8.19	0.16
			0.00			1" Ice	9.40	9.08	0.23
(2) NHH-65B-R2B w/ BSAMNT-SBS-1-2	C	From Leg	3.00	0.0000	305.00	No Ice	8.32	7.00	0.08
			0.00			1/2" Ice	8.88	8.19	0.16
			0.00			1" Ice	9.40	9.08	0.23
MT6407-77A w/ Pipe Mount	A	From Leg	3.00	0.0000	305.00	No Ice	4.71	2.43	0.10
			-5.00			1/2" Ice	5.01	2.84	0.14
			0.00			1" Ice	5.31	3.26	0.18
MT6407-77A w/ Pipe Mount	B	From Leg	3.00	0.0000	305.00	No Ice	4.71	2.43	0.10
			-5.00			1/2" Ice	5.01	2.84	0.14
			0.00			1" Ice	5.31	3.26	0.18
MT6407-77A w/ Pipe Mount	C	From Leg	3.00	0.0000	305.00	No Ice	4.71	2.43	0.10
			-5.00			1/2" Ice	5.01	2.84	0.14
			0.00			1" Ice	5.31	3.26	0.18
LNX-6514DS-A1M w/ Mount Pipe	A	From Leg	3.00	0.0000	305.00	No Ice	8.41	7.08	0.06
			5.00			1/2" Ice	8.97	8.27	0.13
			0.00			1" Ice	9.50	9.18	0.21
LNX-6514DS-A1M w/ Mount Pipe	B	From Leg	3.00	0.0000	305.00	No Ice	8.41	7.08	0.06
			5.00			1/2" Ice	8.97	8.27	0.13
			0.00			1" Ice	9.50	9.18	0.21
LNX-6514DS-A1M w/ Mount Pipe	C	From Leg	3.00	0.0000	305.00	No Ice	8.41	7.08	0.06
			5.00			1/2" Ice	8.97	8.27	0.13
			0.00			1" Ice	9.50	9.18	0.21
B2/B66A RRH ORAN (RF4439D-25A)	A	From Leg	3.00	0.0000	305.00	No Ice	1.87	1.25	0.07
			0.00			1/2" Ice	2.03	1.39	0.09
			0.00			1" Ice	2.21	1.54	0.11
B2/B66A RRH ORAN (RF4439D-25A)	B	From Leg	3.00	0.0000	305.00	No Ice	1.87	1.25	0.07
			0.00			1/2" Ice	2.03	1.39	0.09
			0.00			1" Ice	2.21	1.54	0.11
B2/B66A RRH ORAN (RF4439D-25A)	C	From Leg	3.00	0.0000	305.00	No Ice	1.87	1.25	0.07
			0.00			1/2" Ice	2.03	1.39	0.09
			0.00			1" Ice	2.21	1.54	0.11
B5/B13 RRH ORAN (RF4440D-13A)	A	From Leg	3.00	0.0000	305.00	No Ice	1.87	1.13	0.07
			0.00			1/2" Ice	2.03	1.27	0.09
			0.00			1" Ice	2.21	1.41	0.11
B5/B13 RRH ORAN (RF4440D-13A)	B	From Leg	3.00	0.0000	305.00	No Ice	1.87	1.13	0.07
			0.00			1/2" Ice	2.03	1.27	0.09
			0.00			1" Ice	2.21	1.41	0.11
B5/B13 RRH ORAN (RF4440D-13A)	C	From Leg	3.00	0.0000	305.00	No Ice	1.87	1.13	0.07
			0.00			1/2" Ice	2.03	1.27	0.09
			0.00			1" Ice	2.21	1.41	0.11

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(2) KA-6030	A	From Face	3.00	0.0000	305.00	No Ice	0.77	0.28	0.03
			0.00			1/2" Ice	0.88	0.35	0.03
			0.00			1" Ice	1.00	0.43	0.04
(2) KA-6030	B	From Face	3.00	0.0000	305.00	No Ice	0.77	0.28	0.03
			0.00			1/2" Ice	0.88	0.35	0.03
			0.00			1" Ice	1.00	0.43	0.04
(2) KA-6030	C	From Face	3.00	0.0000	305.00	No Ice	0.77	0.28	0.03
			0.00			1/2" Ice	0.88	0.35	0.03
			0.00			1" Ice	1.00	0.43	0.04
RRUDSM	A	From Face	3.00	0.0000	305.00	No Ice	1.12	1.12	0.04
			0.00			1/2" Ice	1.69	1.69	0.09
			0.00			1" Ice	2.25	2.25	0.13
RRUDSM	B	From Face	3.00	0.0000	305.00	No Ice	1.12	1.12	0.04
			0.00			1/2" Ice	1.69	1.69	0.09
			0.00			1" Ice	2.25	2.25	0.13
RRUDSM	C	From Face	3.00	0.0000	305.00	No Ice	1.12	1.12	0.04
			0.00			1/2" Ice	1.69	1.69	0.09
			0.00			1" Ice	2.25	2.25	0.13
(3) Sector Mounts	C	None		0.0000	305.00	No Ice	34.25	34.25	1.71
						1/2" Ice	48.98	48.98	2.29
						1" Ice	63.71	63.71	2.86
*****									
20' Dipole	B	From Leg	2.00	0.0000	267.00	No Ice	5.42	5.42	0.06
			0.00			1/2" Ice	7.95	7.95	0.10
			0.00			1" Ice	10.48	10.48	0.15
Standoff Mount	B	From Leg	1.00	0.0000	267.00	No Ice	0.13	0.40	0.03
			0.00			1/2" Ice	0.18	0.49	0.03
			0.00			1" Ice	0.23	0.58	0.04
*****									
Empty Standoff Mount	B	From Leg	1.00	0.0000	255.00	No Ice	1.66	1.66	0.03
			0.00			1/2" Ice	2.39	2.39	0.04
			0.00			1" Ice	3.12	3.12	0.05
*****									
Surge Arrestor	A	From Leg	0.50	0.0000	246.00	No Ice	0.79	0.79	0.02
			0.00			1/2" Ice	1.27	1.27	0.04
			6.00			1" Ice	1.75	1.75	0.05
Surge Arrestor	B	From Leg	0.50	0.0000	246.00	No Ice	0.79	0.79	0.02
			0.00			1/2" Ice	1.27	1.27	0.04
			6.00			1" Ice	1.75	1.75	0.05
Surge Arrestor	C	From Leg	0.50	0.0000	246.00	No Ice	0.79	0.79	0.02
			0.00			1/2" Ice	1.27	1.27	0.04
			6.00			1" Ice	1.75	1.75	0.05
7770.00 w/ Pipe Mount	A	From Leg	3.00	0.0000	246.00	No Ice	5.61	4.12	0.06
			-5.00			1/2" Ice	5.99	4.77	0.10
			0.00			1" Ice	6.38	5.43	0.16
7770.00 w/ Pipe Mount	B	From Leg	3.00	0.0000	246.00	No Ice	5.61	4.12	0.06
			-5.00			1/2" Ice	5.99	4.77	0.10
			0.00			1" Ice	6.38	5.43	0.16
7770.00 w/ Pipe Mount	C	From Leg	3.00	0.0000	246.00	No Ice	5.61	4.12	0.06
			-5.00			1/2" Ice	5.99	4.77	0.10
			0.00			1" Ice	6.38	5.43	0.16
80010965 w/ Mount Pipe	A	From Leg	3.00	0.0000	246.00	No Ice	14.05	7.63	0.13
			5.00			1/2" Ice	14.69	8.90	0.22
			0.00			1" Ice	15.30	9.96	0.33
80010965 w/ Mount Pipe	B	From Leg	3.00	0.0000	246.00	No Ice	14.05	7.63	0.13
			5.00			1/2" Ice	14.69	8.90	0.22
			0.00			1" Ice	15.30	9.96	0.33

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
80010965 w/ Mount Pipe	C	From Leg	3.00	0.0000	246.00	No Ice	14.05	7.63	0.13
			5.00			1/2" Ice	14.69	8.90	0.22
			0.00			1" Ice	15.30	9.96	0.33
80010966 w/ Mount Pipe	A	From Leg	3.00	0.0000	246.00	No Ice	17.60	9.64	0.15
			2.00			1/2" Ice	18.33	11.15	0.26
			0.00			1" Ice	19.07	12.70	0.39
80010966 w/ Mount Pipe	B	From Leg	3.00	0.0000	246.00	No Ice	17.60	9.64	0.15
			2.00			1/2" Ice	18.33	11.15	0.26
			0.00			1" Ice	19.07	12.70	0.39
80010966 w/ Mount Pipe	C	From Leg	3.00	0.0000	246.00	No Ice	17.60	9.64	0.15
			2.00			1/2" Ice	18.33	11.15	0.26
			0.00			1" Ice	19.07	12.70	0.39
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	3.00	0.0000	246.00	No Ice	9.90	8.11	0.08
			-2.00			1/2" Ice	10.47	9.30	0.16
			0.00			1" Ice	11.01	10.21	0.25
HPA-65R-BUU-H8 w/ Mount Pipe	B	From Leg	3.00	0.0000	246.00	No Ice	13.21	9.58	0.10
			-2.00			1/2" Ice	13.90	11.05	0.20
			0.00			1" Ice	14.59	12.50	0.30
HPA-65R-BUU-H8 w/ Mount Pipe	C	From Leg	3.00	0.0000	246.00	No Ice	13.21	9.58	0.10
			-2.00			1/2" Ice	13.90	11.05	0.20
			0.00			1" Ice	14.59	12.50	0.30
RRUS 8843 B2/B66A	A	From Leg	3.00	0.0000	246.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			0.00			1" Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	B	From Leg	3.00	0.0000	246.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			0.00			1" Ice	1.97	1.65	0.11
RRUS 8843 B2/B66A	C	From Leg	3.00	0.0000	246.00	No Ice	1.64	1.35	0.07
			0.00			1/2" Ice	1.80	1.50	0.09
			0.00			1" Ice	1.97	1.65	0.11
RRUS 4449 B5/B12	A	From Leg	3.00	0.0000	246.00	No Ice	1.97	1.41	0.07
			0.00			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 Leg	3.00	0.0000	246.00	No Ice	1.97	1.41	0.07
			0.00			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 Leg	3.00	0.0000	246.00	No Ice	1.97	1.41	0.07
			0.00			1/2" Ice	2.14	1.56	0.09
			0.00			1" Ice	2.33	1.73	0.11
RRUS 4478 B14	A	From Leg	3.00	0.0000	246.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	B	From Leg	3.00	0.0000	246.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
RRUS 4478 B14	C	From Leg	3.00	0.0000	246.00	No Ice	1.84	1.06	0.06
			0.00			1/2" Ice	2.01	1.20	0.08
			0.00			1" Ice	2.19	1.34	0.09
(2) LGP21401	A	From Leg	3.00	0.0000	246.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			0.00			1" Ice	1.38	0.35	0.03
(2) LGP21401	B	From Leg	3.00	0.0000	246.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			0.00			1" Ice	1.38	0.35	0.03
(2) LGP21401	C	From Leg	3.00	0.0000	246.00	No Ice	1.10	0.21	0.01
			0.00			1/2" Ice	1.24	0.27	0.02
			0.00			1" Ice	1.38	0.35	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) Sector Mounts w/ Stabilizer Kits	C	None		0.0000	246.00	No Ice	34.22	34.22	2.18
						1/2" Ice	44.42	44.42	2.38
						1" Ice	54.62	54.62	2.59
*****									
Empty Pipe Mount	A	From Leg	1.00	0.0000	237.00	No Ice	1.66	1.66	0.03
			0.00			1/2" Ice	2.39	2.39	0.04
			0.00			1" Ice	3.12	3.12	0.05
*****									
6' Yagi	C	From Leg	0.00	0.0000	207.00	No Ice	2.63	2.63	0.04
			0.00			1/2" Ice	3.73	3.73	0.07
			0.00			1" Ice	4.83	4.83	0.09
6' Yagi	A	From Leg	0.00	0.0000	204.00	No Ice	2.63	2.63	0.04
			0.00			1/2" Ice	3.73	3.73	0.07
			0.00			1" Ice	4.83	4.83	0.09
6' Yagi	C	From Leg	0.00	0.0000	199.00	No Ice	2.63	2.63	0.04
			0.00			1/2" Ice	3.73	3.73	0.07
			0.00			1" Ice	4.83	4.83	0.09
6' Yagi	B	From Leg	0.00	0.0000	152.00	No Ice	2.63	2.63	0.04
			0.00			1/2" Ice	3.73	3.73	0.07
			0.00			1" Ice	4.83	4.83	0.09
6' Yagi	A	From Leg	0.00	0.0000	139.00	No Ice	2.63	2.63	0.04
			0.00			1/2" Ice	3.73	3.73	0.07
			0.00			1" Ice	4.83	4.83	0.09
6' Yagi	A	From Leg	0.00	0.0000	132.00	No Ice	2.63	2.63	0.04
			0.00			1/2" Ice	3.73	3.73	0.07
			0.00			1" Ice	4.83	4.83	0.09
6' Yagi	C	From Leg	0.00	0.0000	126.00	No Ice	2.63	2.63	0.04
			0.00			1/2" Ice	3.73	3.73	0.07
			0.00			1" Ice	4.83	4.83	0.09
6' Yagi	C	From Leg	0.00	0.0000	33.00	No Ice	2.63	2.63	0.04
			0.00			1/2" Ice	3.73	3.73	0.07
			0.00			1" Ice	4.83	4.83	0.09
*****									
X-Style Antenna	C	From Leg	2.00	0.0000	95.00	No Ice	1.50	2.00	0.03
			0.00			1/2" Ice	1.75	2.50	0.04
			0.00			1" Ice	2.00	3.00	0.04
X-Style Antenna	B	From Leg	2.00	0.0000	95.00	No Ice	1.50	2.00	0.03
			0.00			1/2" Ice	1.75	2.50	0.04
			0.00			1" Ice	2.00	3.00	0.04
X-Style Antenna	B	From Leg	2.00	0.0000	95.00	No Ice	1.50	2.00	0.03
			0.00			1/2" Ice	1.75	2.50	0.04
			0.00			1" Ice	2.00	3.00	0.04
X-Style Antenna	A	From Leg	2.00	0.0000	95.00	No Ice	1.50	2.00	0.03
			0.00			1/2" Ice	1.75	2.50	0.04
			0.00			1" Ice	2.00	3.00	0.04

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
8' MW Dish	C	Paraboloid w/o Radome	From Leg	0.00 -4.00 0.00	0.0000		321.00	8.00	No Ice 1/2" Ice 1" Ice	10.05 10.26 10.47	0.02 0.08 0.13
8' MW Dish	C	Paraboloid w/o Radome	From Leg	0.00 4.00 0.00	0.0000		321.00	8.00	No Ice 1/2" Ice 1" Ice	10.05 10.26 10.47	0.02 0.08 0.13

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy
7	1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy
10	1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	372.25 - 365.5	Leg	Max Tension	12	0.47	0.03	0.03
			Max. Compression	10	-0.85	0.05	-0.02
			Max. Mx	11	-0.15	0.09	0.00
			Max. My	4	0.06	-0.01	0.06
			Max. Vy	11	-0.17	0.09	0.00
			Max. Vx	4	-0.13	-0.01	0.06
		Diagonal	Max Tension	4	0.42	0.00	0.00
			Max. Compression	10	-0.48	0.00	0.00
			Max. Mx	24	0.02	0.01	-0.00
			Max. My	10	-0.46	0.01	-0.00
			Max. Vy	18	-0.02	0.01	0.00
			Max. Vx	10	-0.00	0.00	0.00
		Top Girt	Max Tension	6	0.09	0.00	0.00
			Max. Compression	4	-0.08	0.00	0.00
			Max. Mx	14	-0.01	0.05	0.00
			Max. My	7	-0.00	0.00	0.00
			Max. Vy	14	0.04	0.00	0.00
			Max. Vx	7	-0.00	0.00	0.00
T2	365.5 - 353	Leg	Max Tension	12	2.93	0.01	-0.00
			Max. Compression	10	-5.27	0.18	-0.09
			Max. Mx	5	2.32	-0.22	-0.04
			Max. My	2	0.84	0.02	0.23
			Max. Vy	5	0.12	-0.22	-0.04
			Max. Vx	2	-0.12	0.02	0.23
		Diagonal	Max Tension	10	1.11	0.00	0.00
			Max. Compression	4	-1.16	0.00	0.00
			Max. Mx	5	0.17	-0.04	-0.01
			Max. My	3	-0.98	-0.01	-0.02
			Max. Vy	22	0.04	-0.03	0.01
			Max. Vx	3	-0.00	0.00	0.00
		Horizontal	Max Tension	19	0.27	0.00	0.00
			Max. Compression	3	-0.04	0.00	0.00
			Max. Mx	14	0.18	0.06	0.00
			Max. My	7	0.07	0.00	0.00
			Max. Vy	14	-0.05	0.00	0.00
			Max. Vx	7	-0.00	0.00	0.00
		Top Girt	Max Tension	12	0.14	0.00	0.00
			Max. Compression	10	-0.02	0.00	0.00
			Max. Mx	14	0.09	0.06	0.00
			Max. My	7	0.06	0.00	0.00
			Max. Vy	14	-0.05	0.00	0.00
			Max. Vx	7	-0.00	0.00	0.00
T3	353 - 346.75	Leg	Max Tension	12	0.61	0.18	0.09
			Max. Compression	10	-2.90	0.22	-0.13
			Max. Mx	5	-2.25	0.31	-0.01
			Max. My	2	-2.39	-0.01	-0.30
			Max. Vy	5	-0.29	-0.22	-0.04
			Max. Vx	2	0.28	0.02	0.23
		Diagonal	Max Tension	5	2.59	0.00	0.00
			Max. Compression	5	-3.22	0.00	0.00
			Max. Mx	21	-0.12	-0.03	0.00
			Max. My	5	-3.16	-0.02	-0.01
			Max. Vy	21	0.03	-0.03	0.00
			Max. Vx	5	-0.00	0.00	0.00
		Top Girt	Max Tension	4	5.06	0.00	0.00
			Max. Compression	6	-3.40	0.00	0.00
			Max. Mx	14	1.16	0.06	0.00
			Max. My	7	1.15	0.00	0.00
			Max. Vy	14	-0.05	0.00	0.00
			Max. Vx	7	-0.00	0.00	0.00
		Guy A	Bottom Tension	8	15.54		

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Top Tension	8	16.11		
			Top Cable Vert	8	13.64		
			Top Cable Norm	8	8.57		
			Top Cable Tan	8	0.01		
			Bot Cable Vert	8	-12.50		
			Bot Cable Norm	8	9.24		
			Bot Cable Tan	8	0.01		
		Guy B	Bottom Tension	12	15.42		
			Top Tension	12	15.97		
			Top Cable Vert	12	13.44		
			Top Cable Norm	12	8.63		
			Top Cable Tan	12	0.01		
			Bot Cable Vert	12	-12.31		
			Bot Cable Norm	12	9.29		
			Bot Cable Tan	12	0.01		
		Guy C	Bottom Tension	4	15.86		
			Top Tension	4	16.43		
			Top Cable Vert	4	13.98		
			Top Cable Norm	4	8.63		
			Top Cable Tan	4	0.01		
			Bot Cable Vert	4	-12.83		
			Bot Cable Norm	4	9.32		
			Bot Cable Tan	4	0.01		
		Torque Arm Top	Max Tension	4	14.74	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	24	12.32	0.07	0.00
			Max. My	7	14.22	0.00	0.00
			Max. Vy	26	-0.05	0.00	0.00
			Max. Vx	7	-0.00	0.00	0.00
		Torque Arm Bottom	Max Tension	1	0.00	0.00	0.00
			Max. Compression	4	-16.65	0.00	0.00
			Max. Mx	18	-13.87	0.10	0.00
			Max. My	7	-9.40	0.00	-0.00
			Max. Vy	18	-0.05	0.00	0.00
			Max. Vx	7	0.00	0.00	0.00
T4	346.75 - 334.25	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	4	-35.32	0.00	0.00
			Max. Mx	11	-28.87	0.26	-0.02
			Max. My	2	-24.45	-0.03	0.26
			Max. Vy	11	0.08	0.26	-0.02
			Max. Vx	2	0.08	-0.01	0.25
		Diagonal	Max Tension	11	2.56	0.00	0.00
		Horizontal	Max Tension	10	0.04	0.00	0.00
			Max. Compression	11	-1.53	0.00	0.00
			Max. Mx	14	-0.01	0.02	0.00
			Max. My	7	-1.14	0.00	0.00
			Max. Vy	14	0.02	0.00	0.00
			Max. Vx	7	0.00	0.00	0.00
		Top Girt	Max Tension	6	0.77	0.00	0.00
			Max. Compression	3	-1.99	0.00	0.00
			Max. Mx	14	-0.46	0.05	0.00
			Max. My	7	-1.04	0.00	0.00
			Max. Vy	14	-0.04	0.00	0.00
			Max. Vx	7	-0.00	0.00	0.00
T5	334.25 - 328	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	4	-37.57	0.00	-0.00
			Max. Mx	11	-23.17	-0.09	-0.04
			Max. My	11	-33.15	-0.01	-0.09
			Max. Vy	11	0.05	0.02	0.02
			Max. Vx	8	-0.03	-0.00	-0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
		Diagonal	Max Tension	11	1.98	0.00	0.00
		Top Girt	Max Tension	10	0.07	0.00	0.00
			Max. Compression	11	-1.35	0.00	0.00
			Max. Mx	19	-0.00	0.02	0.00
			Max. My	7	-0.96	0.00	0.00
			Max. Vy	19	0.02	0.00	0.00
			Max. Vx	7	0.00	0.00	0.00
T6	328 - 303	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	4	-39.75	-0.90	0.52
			Max. Mx	11	-9.51	-1.18	0.13
			Max. My	8	-18.09	0.02	1.19
			Max. Vy	11	-1.13	1.06	-0.06
			Max. Vx	8	1.14	0.02	-1.07
		Diagonal	Max Tension	8	2.30	0.00	0.00
		Horizontal	Max Tension	10	0.29	0.00	0.00
			Max. Compression	2	-0.94	0.00	0.00
			Max. Mx	17	-0.04	0.02	0.00
			Max. My	7	-0.57	0.00	0.00
			Max. Vy	17	0.02	0.00	0.00
			Max. Vx	7	0.00	0.00	0.00
		Top Girt	Max Tension	10	0.05	0.00	0.00
			Max. Compression	11	-1.13	0.00	0.00
			Max. Mx	25	-0.03	0.03	0.00
			Max. My	7	-0.74	0.00	0.00
			Max. Vy	25	-0.02	0.00	0.00
			Max. Vx	7	-0.00	0.00	0.00
T7	303 - 296.75	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	4	-35.54	-0.04	0.01
			Max. Mx	5	-23.14	-1.06	0.03
			Max. My	8	-13.39	-0.09	-1.11
			Max. Vy	11	0.44	1.06	-0.06
			Max. Vx	8	-0.45	-0.09	-1.11
		Diagonal	Max Tension	6	1.18	0.00	0.00
			Max. Compression	4	-5.68	0.00	0.00
			Max. Mx	3	0.71	-0.04	-0.01
			Max. My	5	-4.97	-0.01	-0.01
			Max. Vy	19	0.03	-0.04	0.00
			Max. Vx	5	0.00	0.00	0.00
		Top Girt	Max Tension	4	7.25	0.00	0.00
			Max. Compression	6	-2.78	0.00	0.00
			Max. Mx	14	2.37	0.05	0.00
			Max. My	3	1.06	0.00	0.00
			Max. Vy	14	-0.04	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Guy A	Bottom Tension	8	17.52		
			Top Tension	8	18.00		
			Top Cable Vert	8	15.02		
			Top Cable Norm	8	9.93		
			Top Cable Tan	8	0.01		
			Bot Cable Vert	8	-14.04		
			Bot Cable Norm	8	10.47		
			Bot Cable Tan	8	0.01		
		Guy B	Bottom Tension	12	17.41		
			Top Tension	12	17.88		
			Top Cable Vert	12	14.81		
			Top Cable Norm	12	10.02		
			Top Cable Tan	12	0.01		
			Bot Cable Vert	12	-13.85		
			Bot Cable Norm	12	10.55		
			Bot Cable Tan	12	0.01		
		Guy C	Bottom Tension	4	17.87		

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Top Tension	4	18.36		
			Top Cable Vert	4	15.38		
			Top Cable Norm	4	10.03		
			Top Cable Tan	4	0.01		
			Bot Cable Vert	4	-14.40		
			Bot Cable Norm	4	10.58		
			Bot Cable Tan	4	0.01		
		Torque Arm Top	Max Tension	4	15.50	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	15	12.04	0.07	0.00
			Max. My	2	13.82	0.00	0.00
			Max. Vy	15	-0.05	0.00	0.00
			Max. Vx	2	-0.00	0.00	0.00
		Torque Arm Bottom	Max Tension	1	0.00	0.00	0.00
			Max. Compression	4	-19.20	0.00	0.00
			Max. Mx	19	-13.95	0.10	0.00
			Max. My	2	-4.99	0.00	-0.00
			Max. Vy	19	0.05	0.00	0.00
			Max. Vx	2	0.00	0.00	0.00
T8	296.75 - 278	Leg	Max Tension	6	1.50	0.04	0.02
			Max. Compression	4	-83.36	0.04	-0.01
			Max. Mx	6	-59.42	0.14	-0.08
			Max. My	23	-53.36	0.06	-0.12
			Max. Vy	5	0.05	-0.03	0.04
			Max. Vx	2	0.05	-0.04	0.05
		Diagonal	Max Tension	13	3.52	0.00	0.00
		Horizontal	Max Tension	6	0.08	0.00	0.00
			Max. Compression	2	-2.09	0.00	0.00
			Max. Mx	23	-0.09	0.02	0.00
			Max. My	2	-1.77	0.00	-0.00
			Max. Vy	23	-0.02	0.00	0.00
			Max. Vx	2	-0.00	0.00	0.00
		Top Girt	Max Tension	6	2.19	0.00	0.00
			Max. Compression	3	-1.27	0.00	0.00
			Max. Mx	14	0.94	0.05	0.00
			Max. My	2	-1.02	0.00	-0.00
			Max. Vy	14	-0.04	0.00	0.00
			Max. Vx	2	0.00	0.00	0.00
T9	278 - 253	Leg	Max Tension	6	6.57	0.11	-0.06
			Max. Compression	4	-86.01	-0.02	0.01
			Max. Mx	4	-23.88	0.25	-0.13
			Max. My	9	-48.59	0.03	0.32
			Max. Vy	10	-0.10	-0.05	0.21
			Max. Vx	3	-0.14	0.16	-0.06
		Diagonal	Max Tension	2	1.91	0.00	0.00
		Horizontal	Max Tension	10	0.10	0.00	0.00
			Max. Compression	2	-1.07	0.00	0.00
			Max. Mx	14	-0.04	0.02	0.00
			Max. My	15	-0.11	0.00	-0.00
			Max. Vy	14	0.02	0.00	0.00
			Max. Vx	15	-0.00	0.00	0.00
		Top Girt	Max Tension	6	0.04	0.00	0.00
			Max. Compression	2	-1.42	0.00	0.00
			Max. Mx	25	-0.07	0.03	0.00
			Max. My	2	-1.42	0.00	-0.00
			Max. Vy	25	-0.02	0.00	0.00
			Max. Vx	2	0.00	0.00	0.00
T10	253 - 228	Leg	Max Tension	6	3.42	0.11	0.02
			Max. Compression	4	-84.34	-0.26	0.16
			Max. Mx	5	-78.11	0.95	-0.02
			Max. My	2	-67.08	0.00	-0.92

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	11	1.69	0.31	0.05
			Max. Vx	8	-1.60	-0.01	-0.29
		Diagonal	Max Tension	5	10.21	0.00	0.00
		Horizontal	Max Tension	6	1.02	0.00	0.00
			Max. Compression	5	-6.34	0.00	0.00
			Max. Mx	18	-0.56	0.04	0.00
			Max. My	8	-4.16	0.00	-0.00
			Max. Vy	18	0.03	0.00	0.00
			Max. Vx	8	0.00	0.00	0.00
		Top Girt	Max Tension	6	0.07	0.00	0.00
			Max. Compression	4	-0.89	0.00	0.00
			Max. Mx	17	-0.09	0.04	0.00
			Max. My	15	-0.29	0.00	-0.00
			Max. Vy	17	-0.04	0.00	0.00
			Max. Vx	15	0.00	0.00	0.00
T11	228 - 221.75	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	17	-49.84	-0.15	0.07
			Max. Mx	5	-46.41	-0.56	0.03
			Max. My	8	-38.21	0.10	-0.63
			Max. Vy	5	-0.32	-0.54	0.15
			Max. Vx	2	0.31	-0.13	0.62
		Diagonal	Max Tension	1	0.00	0.00	0.00
			Max. Compression	3	-8.78	0.00	0.00
			Max. Mx	5	-2.62	-0.06	0.01
			Max. My	4	-8.47	-0.02	-0.02
			Max. Vy	16	0.04	-0.06	-0.00
			Max. Vx	4	0.01	0.00	0.00
		Top Girt	Max Tension	4	11.05	0.00	0.00
			Max. Compression	2	-3.13	0.00	0.00
			Max. Mx	14	4.36	0.04	0.00
			Max. My	3	0.41	0.00	-0.00
			Max. Vy	14	-0.04	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
		Guy A	Bottom Tension	8	15.11		
			Top Tension	8	15.38		
			Top Cable Vert	8	11.47		
			Top Cable Norm	8	10.24		
			Top Cable Tan	8	0.01		
			Bot Cable Vert	8	-10.87		
			Bot Cable Norm	8	10.50		
			Bot Cable Tan	8	0.01		
		Guy B	Bottom Tension	12	14.92		
			Top Tension	12	15.18		
			Top Cable Vert	12	11.18		
			Top Cable Norm	12	10.27		
			Top Cable Tan	12	0.01		
			Bot Cable Vert	12	-10.59		
			Bot Cable Norm	12	10.52		
			Bot Cable Tan	12	0.01		
		Guy C	Bottom Tension	4	15.21		
			Top Tension	4	15.48		
			Top Cable Vert	4	11.65		
			Top Cable Norm	4	10.19		
			Top Cable Tan	4	0.01		
			Bot Cable Vert	4	-11.04		
			Bot Cable Norm	4	10.46		
			Bot Cable Tan	4	0.01		
		Torque Arm Top	Max Tension	12	13.80	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	24	8.75	0.07	0.00
			Max. My	3	3.57	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	24	-0.05	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Torque Arm Bottom	Max Tension	1	0.00	0.00	0.00
			Max. Compression	4	-14.97	0.00	0.00
			Max. Mx	15	-10.00	0.10	0.00
			Max. My	3	-14.13	0.00	-0.00
			Max. Vy	15	-0.05	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T12	221.75 - 203	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	17	-82.40	-0.06	-0.26
			Max. Mx	5	-67.90	0.35	-0.02
			Max. My	7	-67.04	0.13	0.28
			Max. Vy	5	-0.11	-0.02	0.01
			Max. Vx	8	0.11	0.02	-0.03
		Diagonal	Max Tension	9	1.62	0.00	0.00
		Horizontal	Max Tension	6	0.11	0.00	0.00
			Max. Compression	9	-0.91	0.00	0.00
			Max. Mx	14	-0.13	0.02	0.00
			Max. My	3	-0.29	0.00	-0.00
			Max. Vy	14	0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	6	4.53	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	3.29	0.04	0.00
			Max. My	3	2.75	0.00	-0.00
			Max. Vy	14	-0.04	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T13	203 - 178	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	17	-83.39	-0.02	-0.07
			Max. Mx	5	-67.59	0.32	-0.02
			Max. My	7	-67.04	0.14	0.29
			Max. Vy	5	0.13	-0.05	0.02
			Max. Vx	7	0.14	-0.01	-0.07
		Diagonal	Max Tension	3	4.27	0.00	0.00
		Horizontal	Max Tension	6	0.10	0.00	0.00
			Max. Compression	3	-2.32	0.00	0.00
			Max. Mx	25	-0.14	0.02	0.00
			Max. My	3	-2.32	0.00	-0.00
			Max. Vy	25	0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Secondary Horizontal	Max Tension	6	0.05	0.00	0.00
			Max. Compression	9	-0.12	0.00	0.00
			Max. Mx	14	-0.00	0.02	0.00
			Max. My	3	-0.09	0.00	-0.00
			Max. Vy	14	0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	6	0.11	0.00	0.00
			Max. Compression	9	-0.79	0.00	0.00
			Max. Mx	14	-0.15	0.02	0.00
			Max. My	3	-0.79	0.00	-0.00
			Max. Vy	14	0.02	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T14	178 - 165.5	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	21	-81.25	0.00	0.12
			Max. Mx	11	-68.93	0.90	-0.03
			Max. My	2	-66.40	-0.14	0.89
			Max. Vy	5	0.21	-0.90	-0.02
			Max. Vx	2	-0.21	-0.14	0.89
		Diagonal	Max Tension	3	5.30	0.00	0.00
		Horizontal	Max Tension	17	0.01	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Compression	3	-3.25	0.00	0.00
			Max. Mx	14	-0.12	0.02	0.00
			Max. My	3	-3.25	0.00	-0.00
			Max. Vy	14	0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	2	0.14	0.00	0.00
			Max. Compression	3	-2.89	0.00	0.00
			Max. Mx	16	-0.46	0.02	0.00
			Max. My	3	-2.89	0.00	-0.00
			Max. Vy	16	-0.02	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T15	165.5 - 153	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	17	-88.31	-0.06	-0.03
			Max. Mx	11	-72.79	0.90	-0.03
			Max. My	2	-71.72	-0.14	0.89
			Max. Vy	5	-0.21	-0.90	-0.02
			Max. Vx	2	0.21	-0.14	0.89
		Diagonal	Max Tension	12	2.03	0.00	0.00
		Horizontal	Max Tension	1	0.00	0.00	0.00
			Max. Compression	12	-1.16	0.00	0.00
			Max. Mx	14	-0.13	0.02	0.00
			Max. My	3	-1.04	0.00	-0.00
			Max. Vy	14	0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	6	5.16	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	3.25	0.04	0.00
			Max. My	3	1.05	0.00	-0.00
			Max. Vy	14	0.03	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
		Guy A	Bottom Tension	8	14.74		
			Top Tension	8	14.94		
			Top Cable Vert	8	10.09		
			Top Cable Norm	8	11.02		
			Top Cable Tan	8	0.00		
			Bot Cable Vert	8	-9.63		
			Bot Cable Norm	8	11.16		
			Bot Cable Tan	8	0.00		
		Guy B	Bottom Tension	12	14.58		
			Top Tension	12	14.77		
			Top Cable Vert	12	9.79		
			Top Cable Norm	12	11.06		
			Top Cable Tan	12	0.00		
			Bot Cable Vert	12	-9.35		
			Bot Cable Norm	12	11.20		
			Bot Cable Tan	12	0.00		
		Guy C	Bottom Tension	4	14.85		
			Top Tension	4	15.05		
			Top Cable Vert	4	10.29		
			Top Cable Norm	4	10.98		
			Top Cable Tan	4	0.00		
			Bot Cable Vert	4	-9.83		
			Bot Cable Norm	4	11.12		
			Bot Cable Tan	4	0.00		
T16	153 - 128	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	21	-90.67	-0.03	-0.03
			Max. Mx	18	-84.90	0.41	-0.06
			Max. My	22	-84.17	-0.18	0.40
			Max. Vy	6	-0.10	-0.07	-0.02
			Max. Vx	8	-0.11	-0.06	-0.03
		Diagonal	Max Tension	7	2.07	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
		Horizontal	Max Tension	6	0.16	0.00	0.00
			Max. Compression	2	-1.13	0.00	0.00
			Max. Mx	14	-0.01	0.02	0.00
			Max. My	3	-0.24	0.00	-0.00
			Max. Vy	14	-0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	10	0.18	0.00	0.00
			Max. Compression	2	-0.83	0.00	0.00
			Max. Mx	14	-0.07	0.02	0.00
			Max. My	3	-0.71	0.00	-0.00
			Max. Vy	14	-0.02	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T17	128 - 103	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	20	-90.22	0.01	0.02
			Max. Mx	5	-73.17	-0.52	-0.03
			Max. My	2	-66.36	-0.11	0.51
			Max. Vy	5	0.13	-0.52	-0.03
			Max. Vx	2	-0.13	-0.11	0.51
		Diagonal	Max Tension	7	5.30	0.00	0.00
		Horizontal	Max Tension	10	0.07	0.00	0.00
			Max. Compression	7	-3.12	0.00	0.00
			Max. Mx	14	-0.06	0.02	0.00
			Max. My	3	-1.81	0.00	-0.00
			Max. Vy	14	-0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	10	0.10	0.00	0.00
			Max. Compression	2	-1.61	0.00	0.00
			Max. Mx	14	-0.14	0.02	0.00
			Max. My	3	-1.29	0.00	-0.00
			Max. Vy	14	-0.02	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T18	103 - 96.75	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	16	-75.33	0.02	0.16
			Max. Mx	5	-58.61	-0.52	-0.03
			Max. My	2	-51.47	-0.11	0.51
			Max. Vy	5	-0.22	-0.41	0.01
			Max. Vx	2	0.23	-0.11	0.51
		Diagonal	Max Tension	1	0.00	0.00	0.00
			Max. Compression	17	-10.19	0.00	0.00
			Max. Mx	17	-9.19	-0.07	0.00
			Max. My	5	-9.56	-0.06	-0.01
			Max. Vy	17	0.04	-0.07	0.00
			Max. Vx	5	0.00	-0.06	-0.01
		Top Girt	Max Tension	4	10.07	0.00	0.00
			Max. Compression	3	-0.43	0.00	0.00
			Max. Mx	14	6.13	0.04	0.00
			Max. My	3	3.94	0.00	-0.00
			Max. Vy	14	-0.03	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
		Guy A	Bottom Tension	8	7.85		
			Top Tension	8	7.93		
			Top Cable Vert	8	3.98		
			Top Cable Norm	8	6.85		
			Top Cable Tan	8	0.00		
			Bot Cable Vert	8	-3.78		
			Bot Cable Norm	8	6.89		
			Bot Cable Tan	8	0.00		
		Guy B	Bottom Tension	12	7.69		
			Top Tension	12	7.76		
			Top Cable Vert	12	3.74		
			Top Cable Norm	12	6.80		

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Top Cable Tan	12	0.00		
			Bot Cable Vert	12	-3.55		
			Bot Cable Norm	12	6.83		
			Bot Cable Tan	12	0.00		
		Guy C	Bottom Tension	4	7.87		
			Top Tension	4	7.94		
			Top Cable Vert	4	4.10		
			Top Cable Norm	4	6.80		
			Top Cable Tan	4	0.00		
			Bot Cable Vert	4	-3.89		
			Bot Cable Norm	4	6.84		
			Bot Cable Tan	4	0.00		
		Torque Arm Top	Max Tension	8	7.77	0.00	0.00
			Max. Compression	10	-0.10	0.00	0.00
			Max. Mx	19	5.94	0.07	0.00
			Max. My	3	7.24	0.00	-0.00
			Max. Vy	19	-0.05	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
		Torque Arm Bottom	Max Tension	2	0.07	0.00	0.00
			Max. Compression	4	-5.98	0.00	0.00
			Max. Mx	18	-4.08	0.10	0.00
			Max. My	3	-0.42	0.00	-0.00
			Max. Vy	18	-0.05	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T19	96.75 - 78	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	19	-98.37	0.30	0.04
			Max. Mx	18	-97.02	0.54	0.03
			Max. My	8	-80.34	0.10	-0.40
			Max. Vy	4	-0.12	-0.35	0.16
			Max. Vx	3	0.15	-0.21	0.40
		Diagonal	Max Tension	8	2.15	0.00	0.00
		Horizontal	Max Tension	6	0.13	0.00	0.00
			Max. Compression	10	-1.14	0.00	0.00
			Max. Mx	23	-0.18	0.02	0.00
			Max. My	3	-0.51	0.00	-0.00
			Max. Vy	23	-0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	19	5.81	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	14	5.55	0.04	0.00
			Max. My	3	4.28	0.00	-0.00
			Max. Vy	14	-0.03	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T20	78 - 53	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	19	-99.42	0.09	0.04
			Max. Mx	5	-78.34	-0.78	-0.04
			Max. My	2	-75.06	-0.18	0.74
			Max. Vy	5	0.17	-0.78	-0.04
			Max. Vx	2	-0.16	-0.18	0.74
		Diagonal	Max Tension	6	1.68	0.00	0.00
		Horizontal	Max Tension	10	0.14	0.00	0.00
			Max. Compression	6	-1.00	0.00	0.00
			Max. Mx	25	-0.13	0.02	0.00
			Max. My	3	-0.29	0.00	-0.00
			Max. Vy	25	0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	6	0.11	0.00	0.00
			Max. Compression	9	-0.42	0.00	0.00
			Max. Mx	23	-0.12	0.02	0.00
			Max. My	3	-0.12	0.00	-0.00
			Max. Vy	23	-0.02	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vx	3	0.00	0.00	0.00
T21	53 - 28	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	16	-105.52	-0.06	0.05
			Max. Mx	5	-80.37	-0.78	-0.04
			Max. My	2	-77.81	-0.18	0.74
			Max. Vy	5	-0.17	-0.78	-0.04
			Max. Vx	2	0.16	-0.18	0.74
		Diagonal	Max Tension	5	2.42	0.00	0.00
		Horizontal	Max Tension	2	0.09	0.00	0.00
			Max. Compression	3	-1.46	0.00	0.00
			Max. Mx	25	-0.15	0.02	0.00
			Max. My	3	-0.90	0.00	-0.00
			Max. Vy	25	0.02	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	2	3.12	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	25	1.95	0.04	0.00
			Max. My	3	0.65	0.00	-0.00
			Max. Vy	25	0.03	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
		Guy A	Bottom Tension	8	7.13		
			Top Tension	8	7.17		
			Top Cable Vert	8	3.27		
			Top Cable Norm	8	6.38		
			Top Cable Tan	8	0.00		
			Bot Cable Vert	8	-3.17		
			Bot Cable Norm	8	6.39		
			Bot Cable Tan	8	0.00		
		Guy B	Bottom Tension	12	7.07		
			Top Tension	12	7.11		
			Top Cable Vert	12	3.06		
			Top Cable Norm	12	6.42		
			Top Cable Tan	12	0.00		
			Bot Cable Vert	12	-2.95		
			Bot Cable Norm	12	6.43		
			Bot Cable Tan	12	0.00		
		Guy C	Bottom Tension	4	7.20		
			Top Tension	4	7.24		
			Top Cable Vert	4	3.39		
			Top Cable Norm	4	6.40		
			Top Cable Tan	4	0.00		
			Bot Cable Vert	4	-3.28		
			Bot Cable Norm	4	6.41		
			Bot Cable Tan	4	0.00		
T22	28 - 9.25	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	18	-106.42	-0.07	0.05
			Max. Mx	18	-103.53	0.60	0.01
			Max. My	20	-103.52	0.25	0.52
			Max. Vy	24	-0.11	0.10	0.03
			Max. Vx	20	0.10	-0.02	-0.10
		Diagonal	Max Tension	10	1.27	0.00	0.00
		Horizontal	Max Tension	27	0.05	0.00	0.00
			Max. Compression	10	-0.77	0.00	0.00
			Max. Mx	19	-0.21	0.02	0.00
			Max. My	3	-0.22	0.00	-0.00
			Max. Vy	19	0.01	0.00	0.00
			Max. Vx	3	-0.00	0.00	0.00
		Top Girt	Max Tension	6	0.10	0.00	0.00
			Max. Compression	3	-0.58	0.00	0.00
			Max. Mx	25	-0.07	0.02	0.00
			Max. My	3	-0.58	0.00	-0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	25	0.02	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
T23	9.25 - 4.25	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	19	-105.69	-0.13	-1.97
			Max. Mx	18	-105.67	-1.78	0.96
			Max. My	21	-105.49	-0.02	-2.03
			Max. Vy	18	0.43	-1.78	0.96
			Max. Vx	22	0.49	0.03	-2.02
		Diagonal	Max Tension	10	1.06	0.00	0.00
		Top Girt	Max Tension	17	0.24	0.00	0.00
			Max. Compression	10	-0.53	0.00	0.00
			Max. Mx	19	0.15	0.02	0.00
			Max. My	3	-0.14	0.00	-0.00
			Max. Vy	19	0.02	0.00	0.00
			Max. Vx	3	0.00	0.00	0.00
		Base Beam	Max Tension	1	0.00	0.00	0.00
			Max. Compression	12	-1.35	1.73	0.00
			Max. Mx	19	-105.44	-302.40	0.50
			Max. My	10	-80.76	-231.78	1.33
			Max. Vy	19	-105.44	-302.40	0.50
			Max. Vx	10	0.46	-231.78	1.33

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Guy C @ 247 ft Elev -12.2 ft Azimuth 240 deg	Max. Vert	10	-8.49	-4.45	2.57
	Max. H_x	10	-8.49	-4.45	2.57
	Max. H_z	4	-25.60	-16.10	9.29
	Min. Vert	4	-25.60	-16.10	9.29
	Min. H_x	4	-25.60	-16.10	9.29
	Min. H_z	10	-8.49	-4.45	2.57
Guy B @ 247 ft Elev 1.81 ft Azimuth 120 deg	Max. Vert	6	-7.93	4.34	2.51
	Max. H_x	12	-24.52	16.02	9.24
	Max. H_z	12	-24.52	16.02	9.24
	Min. Vert	12	-24.52	16.02	9.24
	Min. H_x	6	-7.93	4.34	2.51
	Min. H_z	6	-7.93	4.34	2.51
Guy A @ 247 ft Elev -5.8 ft Azimuth 0 deg	Max. Vert	2	-8.28	-0.00	-5.11
	Max. H_x	11	-17.43	1.21	-12.31
	Max. H_z	2	-8.28	-0.00	-5.11
	Min. Vert	8	-24.88	0.00	-18.39
	Min. H_x	5	-16.92	-1.21	-11.96
	Min. H_z	8	-24.88	0.00	-18.39
Guy C @ 219 ft Elev -10.07 ft Azimuth 240 deg	Max. Vert	10	-6.10	-3.38	1.95
	Max. H_x	10	-6.10	-3.38	1.95
	Max. H_z	4	-50.82	-36.38	21.00
	Min. Vert	4	-50.82	-36.38	21.00

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
	Min. H_x	4	-50.82	-36.38	21.00
	Min. H_z	10	-6.10	-3.38	1.95
Guy B @ 219 ft Elev 1.23 ft Azimuth 120 deg	Max. Vert	6	-5.28	3.01	1.74
	Max. H_x	12	-48.74	36.38	21.00
	Max. H_z	12	-48.74	36.38	21.00
	Min. Vert	12	-48.74	36.38	21.00
	Min. H_x	6	-5.28	3.01	1.74
	Min. H_z	6	-5.28	3.01	1.74
Guy A @ 219 ft Elev -5.41 ft Azimuth 0 deg	Max. Vert	2	-5.77	0.00	-3.73
	Max. H_x	11	-27.89	1.71	-22.80
	Max. H_z	2	-5.77	0.00	-3.73
	Min. Vert	8	-49.64	-0.00	-41.76
	Min. H_x	5	-27.01	-1.71	-22.11
	Min. H_z	8	-49.64	-0.00	-41.76
Guy C @ 194 ft Elev -8.98 ft Azimuth 240 deg	Max. Vert	10	-0.44	-0.75	0.43
	Max. H_x	10	-0.44	-0.75	0.43
	Max. H_z	4	-17.56	-21.39	12.34
	Min. Vert	4	-17.56	-21.39	12.34
	Min. H_x	4	-17.56	-21.39	12.34
	Min. H_z	10	-0.44	-0.75	0.43
Guy B @ 194 ft Elev 0.72 ft Azimuth 120 deg	Max. Vert	6	-0.44	0.83	0.48
	Max. H_x	12	-16.42	21.48	12.40
	Max. H_z	12	-16.42	21.48	12.40
	Min. Vert	12	-16.42	21.48	12.40
	Min. H_x	6	-0.44	0.83	0.48
	Min. H_z	6	-0.44	0.83	0.48
Guy A @ 194 ft Elev -4.96 ft Azimuth 0 deg	Max. Vert	2	-0.44	0.00	-0.90
	Max. H_x	11	-9.01	0.53	-13.22
	Max. H_z	2	-0.44	0.00	-0.90
	Min. Vert	8	-17.10	-0.01	-24.77
	Min. H_x	5	-8.89	-0.54	-13.06
	Min. H_z	8	-17.10	-0.01	-24.77
Guy C @ 115 ft Elev -5.4 ft Azimuth 240 deg	Max. Vert	10	-0.21	-0.39	0.23
	Max. H_x	10	-0.21	-0.39	0.23
	Max. H_z	4	-3.28	-5.55	3.20
	Min. Vert	4	-3.28	-5.55	3.20
	Min. H_x	4	-3.28	-5.55	3.20
	Min. H_z	10	-0.21	-0.39	0.23
Guy B @ 115 ft Elev 0.5 ft Azimuth 120 deg	Max. Vert	6	-0.18	0.39	0.23
	Max. H_x	12	-2.95	5.57	3.21
	Max. H_z	12	-2.95	5.57	3.21
	Min. Vert	12	-2.95	5.57	3.21
	Min. H_x	6	-0.18	0.39	0.23
	Min. H_z	6	-0.18	0.39	0.23
Guy A @ 115 ft Elev -3.6 ft Azimuth 0 deg	Max. Vert	2	-0.20	0.00	-0.45

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Mast	Max. H_x	11	-1.70	0.07	-3.45
	Max. H_z	2	-0.20	0.00	-0.45
	Min. Vert	8	-3.17	-0.00	-6.39
	Min. H_x	5	-1.68	-0.07	-3.42
	Min. H_z	8	-3.17	-0.00	-6.39
	Max. Vert	19	315.59	-0.23	-0.14
	Max. H_x	10	242.06	0.52	-0.25
	Max. H_z	2	242.16	0.06	0.55
	Max. M_x	1	0.00	-0.01	0.00
	Max. M_z	1	0.00	-0.01	0.00
	Max. Torsion	9	1.10	0.17	-0.47
	Min. Vert	1	196.90	-0.01	0.00
	Min. H_x	6	242.65	-0.48	-0.28
	Min. H_z	8	247.90	-0.10	-0.55
	Min. M_x	1	0.00	-0.01	0.00
	Min. M_z	1	0.00	-0.01	0.00
	Min. Torsion	3	-1.12	-0.30	0.37

Tower Mast Reaction Summary

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Dead Only	196.90	0.01	-0.00	0.00	0.00	0.03
1.2 Dead+1.0 Wind 0 deg - No Ice+1.0 Guy	242.16	-0.06	-0.55	0.00	0.00	0.36
1.2 Dead+1.0 Wind 30 deg - No Ice+1.0 Guy	246.34	0.30	-0.37	0.00	0.00	1.12
1.2 Dead+1.0 Wind 60 deg - No Ice+1.0 Guy	248.49	0.45	-0.22	0.00	0.00	0.47
1.2 Dead+1.0 Wind 90 deg - No Ice+1.0 Guy	246.49	0.45	-0.07	0.00	0.00	-0.37
1.2 Dead+1.0 Wind 120 deg - No Ice+1.0 Guy	242.65	0.48	0.28	0.00	0.00	-0.01
1.2 Dead+1.0 Wind 150 deg - No Ice+1.0 Guy	245.79	0.14	0.43	0.00	0.00	0.51
1.2 Dead+1.0 Wind 180 deg - No Ice+1.0 Guy	247.90	0.10	0.55	0.00	0.00	-0.19
1.2 Dead+1.0 Wind 210 deg - No Ice+1.0 Guy	245.97	-0.17	0.47	0.00	0.00	-1.10
1.2 Dead+1.0 Wind 240 deg - No Ice+1.0 Guy	242.06	-0.52	0.25	0.00	0.00	-0.44
1.2 Dead+1.0 Wind 270 deg - No Ice+1.0 Guy	245.69	-0.50	-0.09	0.00	0.00	0.37
1.2 Dead+1.0 Wind 300 deg - No Ice+1.0 Guy	247.60	-0.50	-0.29	0.00	0.00	-0.03
1.2 Dead+1.0 Wind 330 deg - No Ice+1.0 Guy	245.36	-0.33	-0.36	0.00	0.00	-0.51
1.2 Dead+1.0 Ice+1.0 Temp+Guy	310.71	-0.02	0.00	0.00	0.00	0.05
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy	315.29	-0.05	-0.29	0.00	0.00	0.10
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy	314.72	0.07	-0.25	0.00	0.00	0.29
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy	314.25	0.18	-0.09	0.00	0.00	0.12
1.2 Dead+1.0 Wind 90 deg+1.0	314.90	0.25	0.05	0.00	0.00	0.06

Load Combination	Vertical K	$Shear_x$ K	$Shear_z$ K	Overturning Moment, M_x kip-ft	Overturning Moment, M_z kip-ft	Torque kip-ft
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy	315.59	0.23	0.14	0.00	0.00	0.03
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy	314.83	0.14	0.20	0.00	0.00	0.01
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy	314.12	0.02	0.22	0.00	0.00	-0.22
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy	314.55	-0.19	0.21	0.00	0.00	-0.30
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy	315.11	-0.30	0.13	0.00	0.00	-0.11
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy	314.44	-0.29	0.04	0.00	0.00	-0.06
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy	313.92	-0.22	-0.11	0.00	0.00	-0.03
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy	314.55	-0.12	-0.24	0.00	0.00	-0.02
Dead+Wind 0 deg - Service+Guy	198.81	-0.02	-0.28	0.00	0.00	0.08
Dead+Wind 30 deg - Service+Guy	198.58	0.12	-0.24	0.00	0.00	0.24
Dead+Wind 60 deg - Service+Guy	198.39	0.23	-0.11	0.00	0.00	0.10
Dead+Wind 90 deg - Service+Guy	198.58	0.26	0.02	0.00	0.00	-0.05
Dead+Wind 120 deg - Service+Guy	198.82	0.24	0.13	0.00	0.00	0.01
Dead+Wind 150 deg - Service+Guy	198.62	0.14	0.21	0.00	0.00	0.07
Dead+Wind 180 deg - Service+Guy	198.43	0.02	0.25	0.00	0.00	-0.09
Dead+Wind 210 deg - Service+Guy	198.61	-0.14	0.22	0.00	0.00	-0.24
Dead+Wind 240 deg - Service+Guy	198.83	-0.25	0.13	0.00	0.00	-0.09
Dead+Wind 270 deg - Service+Guy	198.63	-0.26	0.01	0.00	0.00	0.06
Dead+Wind 300 deg - Service+Guy	198.45	-0.22	-0.13	0.00	0.00	0.01
Dead+Wind 330 deg - Service+Guy	198.63	-0.12	-0.23	0.00	0.00	-0.07

Solution Summary

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
1	0.00	-68.52	0.00	0.00	68.52	0.00	0.000%
2	1.02	-80.43	-66.25	-1.02	80.43	66.25	0.000%
3	33.43	-79.86	-56.67	-33.43	79.86	56.67	0.001%
4	57.05	-79.29	-32.96	-57.05	79.29	32.97	0.001%
5	65.83	-79.88	-0.63	-65.83	79.88	0.63	0.001%
6	57.91	-80.47	32.29	-57.91	80.47	-32.29	0.002%
7	32.41	-79.87	56.18	-32.41	79.87	-56.18	0.001%
8	-0.17	-79.26	65.04	0.17	79.26	-65.04	0.001%
9	-32.76	-79.83	56.65	32.76	79.83	-56.65	0.001%
10	-57.51	-80.40	33.23	57.51	80.40	-33.23	0.000%
11	-65.48	-79.80	0.06	65.48	79.80	-0.06	0.001%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
12	-56.45	-79.21	-32.42	56.45	79.21	32.43	0.000%
13	-32.43	-79.82	-56.17	32.43	79.82	56.17	0.001%
14	0.00	-149.78	0.00	0.00	149.78	0.00	0.000%
15	0.19	-150.11	-23.75	-0.19	150.11	23.75	0.000%
16	11.96	-149.79	-20.50	-11.96	149.79	20.50	0.000%
17	20.55	-149.47	-11.88	-20.55	149.47	11.88	0.000%
18	23.70	-149.80	-0.12	-23.70	149.80	0.12	0.000%
19	20.62	-150.13	11.71	-20.62	150.13	-11.71	0.000%
20	11.75	-149.79	20.37	-11.75	149.79	-20.37	0.000%
21	-0.05	-149.45	23.58	0.05	149.45	-23.58	0.000%
22	-11.85	-149.77	20.50	11.85	149.77	-20.50	0.000%
23	-20.60	-150.10	11.91	20.60	150.10	-11.91	0.000%
24	-23.64	-149.76	0.02	23.64	149.76	-0.02	0.000%
25	-20.41	-149.43	-11.74	20.41	149.43	11.74	0.000%
26	-11.75	-149.77	-20.37	11.75	149.77	20.37	0.001%
27	0.25	-68.66	-16.07	-0.25	68.66	16.07	0.000%
28	8.11	-68.52	-13.74	-8.11	68.52	13.74	0.000%
29	13.84	-68.38	-8.00	-13.84	68.38	7.99	0.000%
30	15.97	-68.53	-0.15	-15.97	68.53	0.15	0.000%
31	14.05	-68.67	7.83	-14.05	68.67	-7.83	0.000%
32	7.86	-68.52	13.63	-7.86	68.52	-13.63	0.000%
33	-0.04	-68.38	15.78	0.04	68.38	-15.78	0.000%
34	-7.95	-68.51	13.74	7.95	68.51	-13.74	0.000%
35	-13.95	-68.65	8.06	13.95	68.65	-8.06	0.000%
36	-15.88	-68.51	0.01	15.88	68.51	-0.01	0.000%
37	-13.69	-68.36	-7.86	13.69	68.36	7.86	0.000%
38	-7.86	-68.51	-13.62	7.86	68.51	13.62	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	31	0.00000001	0.00003839
2	Yes	15	0.00000001	0.00002547
3	Yes	13	0.00000001	0.00004337
4	Yes	11	0.00000001	0.00006903
5	Yes	13	0.00000001	0.00004800
6	Yes	14	0.00000001	0.00006107
7	Yes	13	0.00000001	0.00004515
8	Yes	14	0.00000001	0.00007669
9	Yes	13	0.00000001	0.00003952
10	Yes	16	0.00000001	0.00005985
11	Yes	13	0.00000001	0.00003868
12	Yes	16	0.00000001	0.00002535
13	Yes	13	0.00000001	0.00004066
14	Yes	52	0.00000001	0.00004502
15	Yes	24	0.00000001	0.00008470
16	Yes	13	0.00010000	0.00007236
17	Yes	20	0.00010000	0.00009275
18	Yes	13	0.00000001	0.00004100
19	Yes	16	0.00000001	0.00003961
20	Yes	11	0.00000001	0.00006821
21	Yes	15	0.00010000	0.00004493
22	Yes	14	0.00010000	0.00007494
23	Yes	21	0.00000001	0.00004720
24	Yes	12	0.00000001	0.00007633

25	Yes	17	0.00000001	0.00009527
26	Yes	11	0.00010000	0.00007426
27	Yes	15	0.00000001	0.00001739
28	Yes	12	0.00000001	0.00005943
29	Yes	15	0.00000001	0.00007076
30	Yes	12	0.00000001	0.00002259
31	Yes	18	0.00000001	0.00001117
32	Yes	11	0.00000001	0.00003145
33	Yes	17	0.00000001	0.00001302
34	Yes	12	0.00000001	0.00006591
35	Yes	14	0.00000001	0.00004726
36	Yes	10	0.00000001	0.00009066
37	Yes	19	0.00000001	0.00002680
38	Yes	11	0.00000001	0.00002822

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	372.25 - 365.5	0.871	29	0.0577	0.0235
T2	365.5 - 353	0.942	29	0.0578	0.0227
T3	353 - 346.75	1.075	29	0.0587	0.0225
T4	346.75 - 334.25	1.145	29	0.0589	0.0225
T5	334.25 - 328	1.306	29	0.0560	0.0459
T6	328 - 303	1.380	29	0.0542	0.0559
T7	303 - 296.75	1.575	29	0.0470	0.0137
T8	296.75 - 278	1.626	29	0.0452	0.0138
T9	278 - 253	1.802	29	0.0328	0.0713
T10	253 - 228	1.853	29	0.0095	0.0917
T11	228 - 221.75	1.686	29	0.0133	0.0144
T12	221.75 - 203	1.671	29	0.0134	0.0144
T13	203 - 178	1.679	29	0.0205	0.1461
T14	178 - 165.5	1.397	29	0.0302	0.1862
T15	165.5 - 153	1.234	29	0.0310	0.1979
T16	153 - 128	1.219	29	0.0323	0.2466
T17	128 - 103	1.030	29	0.0368	0.1270
T18	103 - 96.75	0.707	29	0.0362	0.0170
T19	96.75 - 78	0.662	29	0.0347	0.0171
T20	78 - 53	0.635	30	0.0346	0.1265
T21	53 - 28	0.343	29	0.0347	0.1519
T22	28 - 9.25	0.317	30	0.0363	0.1763
T23	9.25 - 4.25	0.064	28	0.0380	0.0202

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
377.00	Search Antenna	29	0.871	0.0577	0.0235	180709
374.00	Lightning Rod	29	0.871	0.0577	0.0235	180709
372.00	Flash Beacon Light	29	0.873	0.0577	0.0235	180709
354.00	Antenna Mast Pipe	29	1.065	0.0586	0.0224	191957
353.00	Guy	29	1.075	0.0587	0.0225	140475
321.00	8' MW Dish	29	1.445	0.0521	0.0488	45675
305.00	RHSDC-3315-PF-48	29	1.561	0.0475	0.0146	92540

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
303.00	Guy	29	1.575	0.0470	0.0137	67005
283.00	Flash Beacon Light	29	1.759	0.0371	0.0529	53394
267.00	20' Dipole	29	1.861	0.0219	0.0978	24184
255.00	Empty Standoff Mount	29	1.861	0.0109	0.0959	20826
246.00	Surge Arrestor	29	1.812	0.0073	0.0693	45476
237.00	Empty Pipe Mount	29	1.743	0.0091	0.0351	62931
228.00	Guy	29	1.686	0.0133	0.0144	21033
207.00	6' Yagi	29	1.686	0.0184	0.1130	20107
204.00	6' Yagi	29	1.682	0.0200	0.1384	14834
199.00	6' Yagi	29	1.659	0.0226	0.1718	14771
195.00	Flash Beacon Light	29	1.626	0.0246	0.1896	17343
165.50	Guy	29	1.234	0.0310	0.1979	7955
152.00	6' Yagi	29	1.218	0.0324	0.2471	17941
139.00	6' Yagi	29	1.150	0.0349	0.1950	23036
132.00	6' Yagi	29	1.079	0.0362	0.1505	27726
126.00	6' Yagi	29	1.004	0.0371	0.1152	40495
103.00	Guy	29	0.707	0.0362	0.0170	17887
102.00	Flash Beacon Light	29	0.698	0.0360	0.0156	16270
95.00	X-Style Antenna	29	0.655	0.0345	0.0221	13628
53.00	Guy	29	0.343	0.0347	0.1519	10390
33.00	6' Yagi	30	0.337	0.0358	0.1919	14351

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	372.25 - 365.5	7.136	4	0.2610	0.1079
T2	365.5 - 353	7.340	4	0.2614	0.1073
T3	353 - 346.75	7.722	4	0.2654	0.1068
T4	346.75 - 334.25	7.924	4	0.2662	0.1068
T5	334.25 - 328	8.377	4	0.2522	0.1340
T6	328 - 303	8.574	4	0.2426	0.1464
T7	303 - 296.75	9.096	4	0.2040	0.0580
T8	296.75 - 278	9.222	4	0.1942	0.0584
T9	278 - 253	9.575	4	0.1324	0.1884
T10	253 - 228	9.511	3	0.0698	0.2768
T11	228 - 221.75	8.858	3	0.1226	0.0844
T12	221.75 - 203	8.744	3	0.1234	0.0851
T13	203 - 178	8.404	5	0.1525	0.3584
T14	178 - 165.5	7.365	6	0.1887	0.4450
T15	165.5 - 153	6.685	6	0.1902	0.4469
T16	153 - 128	6.348	6	0.1965	0.4816
T17	128 - 103	5.216	6	0.2131	0.2855
T18	103 - 96.75	3.864	6	0.2023	0.1088
T19	96.75 - 78	3.608	6	0.1960	0.1090
T20	78 - 53	3.026	6	0.1922	0.3957
T21	53 - 28	1.810	6	0.1876	0.3826
T22	28 - 9.25	1.096	6	0.1885	0.5260
T23	9.25 - 4.25	0.242	6	0.1937	0.0677

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
377.00	Search Antenna	4	7.136	0.2610	0.1079	15247
374.00	Lightning Rod	4	7.136	0.2610	0.1079	15247
372.00	Flash Beacon Light	4	7.143	0.2610	0.1078	15247
354.00	Antenna Mast Pipe	4	7.691	0.2650	0.1070	11361
353.00	Guy	4	7.722	0.2654	0.1068	9043
321.00	8' MW Dish	4	8.750	0.2317	0.1303	17698
305.00	RHSDC-3315-PF-48	4	9.058	0.2070	0.0591	51886
303.00	Guy	4	9.096	0.2040	0.0580	40944
283.00	Flash Beacon Light	4	9.500	0.1546	0.1301	14984
267.00	20' Dipole	4	9.641	0.0731	0.2841	7878
255.00	Empty Standoff Mount	3	9.538	0.0635	0.2892	6139
246.00	Surge Arrestor	3	9.362	0.0908	0.2045	10935
237.00	Empty Pipe Mount	3	9.100	0.1122	0.1248	32905
228.00	Guy	3	8.858	0.1226	0.0844	8655
207.00	6' Yagi	5	8.502	0.1442	0.2948	9009
204.00	6' Yagi	5	8.431	0.1504	0.3438	7343
199.00	6' Yagi	6	8.287	0.1606	0.4055	7079
195.00	Flash Beacon Light	6	8.160	0.1681	0.4362	7641
165.50	Guy	6	6.685	0.1902	0.4469	3397
152.00	6' Yagi	6	6.320	0.1972	0.4840	6927
139.00	6' Yagi	6	5.802	0.2071	0.4136	11132
132.00	6' Yagi	6	5.439	0.2115	0.3327	17358
126.00	6' Yagi	6	5.103	0.2136	0.2634	32482
103.00	Guy	6	3.864	0.2023	0.1088	8604
102.00	Flash Beacon Light	6	3.819	0.2013	0.1066	8043
95.00	X-Style Antenna	6	3.548	0.1946	0.1176	7462
53.00	Guy	6	1.810	0.1876	0.3826	5895
33.00	6' Yagi	6	1.250	0.1627	0.4948	8468

Guy Design Data

Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
T3	353.00 (A) (625)	7/8 EHS	7.97	79.70	15.96	47.82	1.000	2.996 ✔
	353.00 (A) (626)	7/8 EHS	7.97	79.70	16.11	47.82	1.000	2.969 ✔
	353.00 (B) (619)	7/8 EHS	7.97	79.70	15.97	47.82	1.000	2.993 ✔
	353.00 (B) (620)	7/8 EHS	7.97	79.70	15.85	47.82	1.000	3.017 ✔
	353.00 (C) (613)	7/8 EHS	7.97	79.70	16.43	47.82	1.000	2.910 ✔
	353.00 (C) (614)	7/8 EHS	7.97	79.70	16.36	47.82	1.000	2.923 ✔
T7	303.00 (A) (643)	7/8 EHS	7.97	79.70	17.96	47.82	1.000	2.663 ✔
	303.00 (A) (644)	7/8 EHS	7.97	79.70	18.00	47.82	1.000	2.656 ✔
	303.00 (B) (637)	7/8 EHS	7.97	79.70	17.88	47.82	1.000	2.674 ✔
	303.00 (B) (638)	7/8 EHS	7.97	79.70	17.78	47.82	1.000	2.689 ✔
	303.00 (C) (631)	7/8 EHS	7.97	79.70	18.31	47.82	1.000	2.611 ✔

Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
	303.00 (C) (632)	7/8 EHS	7.97	79.70	18.36	47.82	1.000	2.604 ✔
T11	228.00 (A) (661)	3/4 EHS	5.83	58.30	15.38	34.98	1.000	2.275 ✔
	228.00 (A) (662)	3/4 EHS	5.83	58.30	15.18	34.98	1.000	2.304 ✔
	228.00 (B) (655)	3/4 EHS	5.83	58.30	15.18	34.98	1.000	2.304 ✔
	228.00 (B) (656)	3/4 EHS	5.83	58.30	15.11	34.98	1.000	2.315 ✔
	228.00 (C) (649)	3/4 EHS	5.83	58.30	15.44	34.98	1.000	2.265 ✔
	228.00 (C) (650)	3/4 EHS	5.83	58.30	15.48	34.98	1.000	2.259 ✔
T15	165.50 (A) (669)	3/4 EHS	5.83	58.30	14.94	34.98	1.000	2.342 ✔
	165.50 (B) (668)	3/4 EHS	5.83	58.30	14.77	34.98	1.000	2.368 ✔
	165.50 (C) (667)	3/4 EHS	5.83	58.30	15.05	34.98	1.000	2.325 ✔
T18	103.00 (A) (682)	9/16 EHS	3.50	35.00	7.93	21.00	1.000	2.650 ✔
	103.00 (A) (683)	9/16 EHS	3.50	35.00	7.75	21.00	1.000	2.710 ✔
	103.00 (B) (676)	9/16 EHS	3.50	35.00	7.72	21.00	1.000	2.721 ✔
	103.00 (B) (677)	9/16 EHS	3.50	35.00	7.76	21.00	1.000	2.705 ✔
	103.00 (C) (670)	9/16 EHS	3.50	35.00	7.83	21.00	1.000	2.682 ✔
	103.00 (C) (671)	9/16 EHS	3.50	35.00	7.94	21.00	1.000	2.644 ✔
T21	53.00 (A) (690)	9/16 EHS	3.50	35.00	7.17	21.00	1.000	2.929 ✔
	53.00 (B) (689)	9/16 EHS	3.50	35.00	7.11	21.00	1.000	2.954 ✔
	53.00 (C) (688)	9/16 EHS	3.50	35.00	7.24	21.00	1.000	2.901 ✔

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	372.25 - 365.5	2 3/4	6.75	6.25	109.1 K=1.00	5.9396	-0.85	102.85	0.008 [1] ✔
T2	365.5 - 353	2 3/4	12.50	6.25	109.1 K=1.00	5.9396	-5.27	102.85	0.051 [1] ✔
T3	353 - 346.75	3	6.25	6.25	100.0 K=1.00	7.0686	-2.90	135.28	0.021 [1] ✔
T4	346.75 -	3	12.50	6.25	100.0	7.0686	-35.32	135.28	0.261 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
	334.25				K=1.00				✓
T5	334.25 - 328	3	6.25	6.25	100.0 K=1.00	7.0686	-37.57	135.28	0.278 [1] ✓
T6	328 - 303	3 1/4	25.00	6.25	92.3 K=1.00	8.2958	-39.75	171.63	0.232 [1] ✓
T7	303 - 296.75	3 1/4	6.25	6.25	92.3 K=1.00	8.2958	-35.54	171.63	0.207 [1] ✓
T8	296.75 - 278	3 1/4	18.75	6.25	92.3 K=1.00	8.2958	-83.36	171.63	0.486 [1] ✓
T9	278 - 253	3	25.00	6.25	100.0 K=1.00	7.0686	-86.01	135.28	0.636 [1] ✓
T10	253 - 228	3 1/4	25.00	6.25	92.3 K=1.00	8.2958	-84.34	171.63	0.491 [1] ✓
T11	228 - 221.75	3 1/4	6.25	6.25	92.3 K=1.00	8.2958	-49.84	171.63	0.290 [1] ✓
T12	221.75 - 203	3 1/4	18.75	6.25	92.3 K=1.00	8.2958	-82.40	171.63	0.480 [1] ✓
T13	203 - 178	3	25.00	3.13	50.0 K=1.00	7.0686	-83.39	200.78	0.415 [1] ✓
T14	178 - 165.5	3 1/4	12.50	6.25	92.3 K=1.00	8.2958	-81.25	171.63	0.473 [1] ✓
T15	165.5 - 153	3 1/4	12.50	6.25	92.3 K=1.00	8.2958	-88.31	171.63	0.515 [1] ✓
T16	153 - 128	3 1/4	25.00	6.25	92.3 K=1.00	8.2958	-90.67	171.63	0.528 [1] ✓
T17	128 - 103	3 1/4	25.00	6.25	92.3 K=1.00	8.2958	-90.22	171.63	0.526 [1] ✓
T18	103 - 96.75	3 1/4	6.25	6.25	92.3 K=1.00	8.2958	-75.33	171.63	0.439 [1] ✓
T19	96.75 - 78	3 1/4	18.75	6.25	92.3 K=1.00	8.2958	-98.37	171.63	0.573 [1] ✓
T20	78 - 53	3 1/4	25.00	6.25	92.3 K=1.00	8.2958	-99.42	171.63	0.579 [1] ✓
T21	53 - 28	3 1/4	25.00	6.25	92.3 K=1.00	8.2958	-105.52	171.63	0.615 [1] ✓
T22	28 - 9.25	3 1/4	18.75	6.25	92.3 K=1.00	8.2958	-106.42	171.63	0.620 [1] ✓
T23	9.25 - 4.25	3 1/4	5.00	5.00	73.8 K=1.00	8.2958	-105.69	201.71	0.524 [1] ✓

[1] P_u / ϕP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	372.25 - 365.5	L2 1/2x2 1/2x1/4	8.00	3.82	100.0 K=1.07	1.1900	-0.48	29.37	0.016 [1] ✓

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T2	365.5 - 353	2L3x3x5/16	8.00	3.82	49.7 K=1.00	3.5500	-1.16	117.87	0.010 [1] ✓
T3	353 - 346.75	2L3x2 1/2x1/4	8.00	3.80	48.3 K=1.00	2.6300	-3.22	85.42	0.038 [1] ✓
T7	303 - 296.75	2L2 1/2x2 1/2x3/16	8.00	3.79	58.4 K=1.00	1.8000	-5.68	55.73	0.102 [1] ✓
T11	228 - 221.75	2L2 1/2x2 1/2x1/4	8.00	3.79	59.1 K=1.00	2.3800	-8.78	76.28	0.115 [1] ✓
T18	103 - 96.75	2L2 1/2x2 1/2x1/4	8.00	3.79	59.1 K=1.00	2.3800	-10.19	76.28	0.134 [1] ✓

[1] P_u / ϕP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T2	365.5 - 353	2L2 1/2x3x1/4 (SLV)	5.00	4.77	76.0 K=1.00	2.6300	-0.09	77.47	0.001 [1] ✓
T4	346.75 - 334.25	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6 K=1.00	0.7995	-1.53	19.49	0.079 [1] ✓
T6	328 - 303	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-0.94	19.60	0.048 [1] ✓
T8	296.75 - 278	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-2.09	19.60	0.107 [1] ✓
T9	278 - 253	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6 K=1.00	0.7995	-1.49	19.49	0.076 [1] ✓
T10	253 - 228	2L2x2 1/2x3/16 (SLV)	5.00	4.73	94.6 K=1.00	1.6200	-6.34	41.91	0.151 [1] ✓
T12	221.75 - 203	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-1.43	19.60	0.073 [1] ✓
T13	203 - 178	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6 K=1.00	0.7995	-2.32	19.49	0.119 [1] ✓
T14	178 - 165.5	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-3.25	19.60	0.166 [1] ✓
T15	165.5 - 153	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-1.53	19.60	0.078 [1] ✓
T16	153 - 128	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-1.57	19.60	0.080 [1] ✓
T17	128 - 103	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-3.12	19.60	0.159 [1] ✓
T19	96.75 - 78	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-1.70	19.60	0.087 [1] ✓
T20	78 - 53	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-1.72	19.60	0.088 [1] ✓
T21	53 - 28	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-1.83	19.60	0.093 [1] ✓
T22	28 - 9.25	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2 K=1.00	0.7995	-1.84	19.60	0.094 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
									✓

[1] P_u / ϕP_n controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T13	203 - 178	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6 K=1.00	0.7995	-1.44	19.49	0.074 [1] ✓

[1] P_u / ϕP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	372.25 - 365.5	2L2 1/2x2x1/4 (LLV)	5.00	4.77	73.0 K=1.00	2.1300	-0.08	63.82	0.001 [1] ✓
T2	365.5 - 353	2L2 1/2x3x1/4 (SLV)	5.00	4.77	76.0 K=1.00	2.6300	-0.09	77.47	0.001 [1] ✓
T3	353 - 346.75	2L2 1/2x3x1/4 (SLV)	5.00	4.75	75.7 K=1.00	2.6300	-3.40	77.62	0.044 [1] ✓
T4	346.75 - 334.25	2L2 1/2x2x1/4 (LLV)	5.00	4.75	72.7 K=1.00	2.1300	-1.99	63.93	0.031 [1] ✓
T5	334.25 - 328	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6 K=1.00	0.7995	-1.35	19.49	0.069 [1] ✓
T6	328 - 303	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8 K=1.00	1.0681	-1.13	25.27	0.045 [1] ✓
T7	303 - 296.75	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-2.78	48.86	0.057 [1] ✓
T8	296.75 - 278	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-1.44	48.86	0.030 [1] ✓
T9	278 - 253	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.75	94.2 K=1.00	1.0681	-1.49	25.13	0.059 [1] ✓
T10	253 - 228	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-1.49	48.86	0.030 [1] ✓
T11	228 - 221.75	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-3.13	48.86	0.064 [1] ✓
T12	221.75 - 203	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-1.43	48.86	0.029 [1] ✓
T13	203 - 178	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.75	94.2 K=1.00	1.0681	-1.44	25.13	0.057 [1] ✓
T14	178 - 165.5	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8 K=1.00	1.0681	-2.89	25.27	0.115 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T15	165.5 - 153	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-1.53	48.86	0.031 [1]
T16	153 - 128	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8 K=1.00	1.0681	-1.57	25.27	0.062 [1]
T17	128 - 103	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8 K=1.00	1.0681	-1.61	25.27	0.064 [1]
T18	103 - 96.75	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-1.56	48.86	0.032 [1]
T19	96.75 - 78	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-1.70	48.86	0.035 [1]
T20	78 - 53	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8 K=1.00	1.0681	-1.72	25.27	0.068 [1]
T21	53 - 28	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8 K=1.00	1.6200	-1.83	48.86	0.037 [1]
T22	28 - 9.25	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8 K=1.00	1.0681	-1.84	25.27	0.073 [1]
T23	9.25 - 4.25	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8 K=1.00	1.0681	-1.84	25.27	0.073 [1]

[1] P_u / ϕP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T18	103 - 96.75 (673)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2 K=1.00	2.3800	-0.01	66.12	0.000 [1]
T18	103 - 96.75 (679)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2 K=1.00	2.3800	-0.10	66.12	0.001 [1]
T18	103 - 96.75 (684)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2 K=1.00	2.3800	-0.10	66.12	0.001 [1]

[1] P_u / ϕP_n controls

Torque-Arm Bottom Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T3	353 - 346.75 (617)	2L2 1/2x2 1/2x1/4	8.39	8.20	128.0 K=1.00	2.3800	-16.65	41.59	0.400 [1]
T3	353 - 346.75 (618)	2L2 1/2x2 1/2x1/4	8.39	8.20	128.0 K=1.00	2.3800	-16.43	41.59	0.395 [1]
T3	353 - 346.75 (623)	2L2 1/2x2 1/2x1/4	8.39	8.20	128.0 K=1.00	2.3800	-16.59	41.59	0.399 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T3	353 - 346.75 (624)	2L2 1/2x2 1/2x1/4	8.39	8.20	128.0 K=1.00	2.3800	-16.31	41.59	0.392 [1]
T3	353 - 346.75 (629)	2L2 1/2x2 1/2x1/4	8.39	8.20	128.0 K=1.00	2.3800	-16.10	41.59	0.387 [1]
T3	353 - 346.75 (630)	2L2 1/2x2 1/2x1/4	8.39	8.20	128.0 K=1.00	2.3800	-16.18	41.59	0.389 [1]
T7	303 - 296.75 (635)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-19.13	41.75	0.458 [1]
T7	303 - 296.75 (636)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-18.75	41.75	0.449 [1]
T7	303 - 296.75 (641)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-19.20	41.75	0.460 [1]
T7	303 - 296.75 (642)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-18.66	41.75	0.447 [1]
T7	303 - 296.75 (647)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-18.63	41.75	0.446 [1]
T7	303 - 296.75 (648)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-18.87	41.75	0.452 [1]
T11	228 - 221.75 (653)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-14.97	41.75	0.358 [1]
T11	228 - 221.75 (654)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-14.77	41.75	0.354 [1]
T11	228 - 221.75 (659)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-14.97	41.75	0.359 [1]
T11	228 - 221.75 (660)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-14.62	41.75	0.350 [1]
T11	228 - 221.75 (665)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-14.61	41.75	0.350 [1]
T11	228 - 221.75 (666)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-14.81	41.75	0.355 [1]
T18	103 - 96.75 (674)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-5.87	41.75	0.141 [1]
T18	103 - 96.75 (675)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-5.78	41.75	0.138 [1]
T18	103 - 96.75 (680)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-5.98	41.75	0.143 [1]
T18	103 - 96.75 (681)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-5.70	41.75	0.137 [1]
T18	103 - 96.75 (686)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-5.67	41.75	0.136 [1]
T18	103 - 96.75 (687)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7 K=1.00	2.3800	-5.91	41.75	0.141 [1]

[1] P_u / ϕP_n controls

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	372.25 - 365.5	2 3/4	6.75	6.25	109.1	5.9396	0.47	192.44	0.002 [1] ✓
T2	365.5 - 353	2 3/4	12.50	6.25	109.1	5.9396	2.93	192.44	0.015 [1] ✓
T3	353 - 346.75	3	6.25	6.25	100.0	7.0686	0.61	229.02	0.003 [1] ✓
T8	296.75 - 278	3 1/4	18.75	6.25	92.3	8.2958	1.50	268.78	0.006 [1] ✓
T9	278 - 253	3	25.00	6.25	100.0	7.0686	6.57	229.02	0.029 [1] ✓
T10	253 - 228	3 1/4	25.00	6.25	92.3	8.2958	3.42	268.78	0.013 [1] ✓

[1] P_u / ϕP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	372.25 - 365.5	L2 1/2x2 1/2x1/4	8.00	3.82	59.6	1.1900	0.42	38.56	0.011 [1] ✓
T2	365.5 - 353	2L3x3x5/16	8.00	3.82	49.7	3.5500	1.11	115.02	0.010 [1] ✓
T3	353 - 346.75	2L3x2 1/2x1/4	8.00	3.80	48.3	2.6300	2.59	85.21	0.030 [1] ✓
T4	346.75 - 334.25	3/4	8.00	7.60	486.6	0.4418	2.56	14.31	0.179 [1] ✓
T5	334.25 - 328	1	8.00	7.60	365.0	0.7854	1.98	25.45	0.078 [1] ✓
T6	328 - 303	1	8.00	7.57	363.4	0.7854	2.30	25.45	0.090 [1] ✓
T7	303 - 296.75	2L2 1/2x2 1/2x3/16	8.00	3.79	58.4	1.8000	1.18	58.32	0.020 [1] ✓
T8	296.75 - 278	1	8.00	7.57	363.4	0.7854	3.52	25.45	0.138 [1] ✓
T9	278 - 253	1	8.00	7.60	365.0	0.7854	1.91	25.45	0.075 [1] ✓
T10	253 - 228	1	8.00	7.57	363.4	0.7854	10.21	25.45	0.401 [1] ✓
T12	221.75 - 203	5/8	8.00	7.57	581.4	0.3068	1.62	9.94	0.163 [1] ✓
T13	203 - 178	5/8	8.00	7.60	584.0	0.3068	4.27	9.94	0.430 [1] ✓
T14	178 - 165.5	5/8	8.00	7.57	581.4	0.3068	5.30	9.94	0.533 [1] ✓
T15	165.5 - 153	5/8	8.00	7.57	581.4	0.3068	2.03	9.94	0.204 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T16	153 - 128	5/8	8.00	7.57	581.4	0.3068	2.07	9.94	0.208 [1]
T17	128 - 103	L2 1/2x2x3/16 (LLV)	8.00	7.57	151.3	0.8086	5.30	26.20	0.202 [1]
T19	96.75 - 78	5/8	8.00	7.57	581.4	0.3068	2.15	9.94	0.216 [1]
T20	78 - 53	5/8	8.00	7.57	581.4	0.3068	1.68	9.94	0.169 [1]
T21	53 - 28	5/8	8.00	7.57	581.4	0.3068	2.42	9.94	0.243 [1]
T22	28 - 9.25	5/8	8.00	7.57	581.4	0.3068	1.27	9.94	0.127 [1]
T23	9.25 - 4.25	5/8	7.07	6.69	513.6	0.3068	1.06	9.94	0.107 [1]

[1] P_u / ϕP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T2	365.5 - 353	2L2 1/2x3x1/4 (SLV)	5.00	4.77	76.0	2.6300	0.27	85.21	0.003 [1]
T4	346.75 - 334.25	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6	0.5996	0.61	29.23	0.021 [1]
T6	328 - 303	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	0.69	29.23	0.024 [1]
T8	296.75 - 278	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.44	29.23	0.049 [1]
T9	278 - 253	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6	0.5996	1.49	29.23	0.051 [1]
T10	253 - 228	2L2x2 1/2x3/16 (SLV)	5.00	4.73	94.6	1.6200	1.46	52.49	0.028 [1]
T12	221.75 - 203	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.43	29.23	0.049 [1]
T13	203 - 178	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6	0.5996	1.44	29.23	0.049 [1]
T14	178 - 165.5	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.41	29.23	0.048 [1]
T15	165.5 - 153	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.53	29.23	0.052 [1]
T16	153 - 128	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.57	29.23	0.054 [1]
T17	128 - 103	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.56	29.23	0.053 [1]
T19	96.75 - 78	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.70	29.23	0.058 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T20	78 - 53	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.72	29.23	0.059 [1] ✓
T21	53 - 28	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.83	29.23	0.063 [1] ✓
T22	28 - 9.25	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.73	91.2	0.5996	1.84	29.23	0.063 [1] ✓

[1] P_u / ϕP_n controls

Secondary Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T13	203 - 178	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6	0.5996	1.44	29.23	0.049 [1] ✓

[1] P_u / ϕP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	372.25 - 365.5	2L2 1/2x2x1/4 (LLV)	5.00	4.77	73.0	2.1300	0.09	69.01	0.001 [1] ✓
T2	365.5 - 353	2L2 1/2x3x1/4 (SLV)	5.00	4.77	76.0	2.6300	0.14	85.21	0.002 [1] ✓
T3	353 - 346.75	2L2 1/2x3x1/4 (SLV)	5.00	4.75	75.7	2.6300	5.06	85.21	0.059 [1] ✓
T4	346.75 - 334.25	2L2 1/2x2x1/4 (LLV)	5.00	4.75	72.7	2.1300	0.77	69.01	0.011 [1] ✓
T5	334.25 - 328	Pipe 1.5 Std (1.9"ODx0.145")	5.00	4.75	91.6	0.5996	0.65	29.23	0.022 [1] ✓
T6	328 - 303	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8	0.8011	0.69	39.05	0.018 [1] ✓
T7	303 - 296.75	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	7.25	52.49	0.138 [1] ✓
T8	296.75 - 278	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	2.19	52.49	0.042 [1] ✓
T9	278 - 253	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.75	94.2	0.8011	1.49	39.05	0.038 [1] ✓
T10	253 - 228	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	1.49	52.49	0.028 [1] ✓
T11	228 - 221.75	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	11.05	52.49	0.210 [1] ✓
T12	221.75 - 203	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	4.53	52.49	0.086 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T13	203 - 178	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.75	94.2	0.8011	1.44	39.05	0.037 [1]
T14	178 - 165.5	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8	0.8011	1.44	39.05	0.037 [1]
T15	165.5 - 153	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	5.16	52.49	0.098 [1]
T16	153 - 128	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8	0.8011	1.57	39.05	0.040 [1]
T17	128 - 103	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8	0.8011	1.57	39.05	0.040 [1]
T18	103 - 96.75	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	10.07	52.49	0.192 [1]
T19	96.75 - 78	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	5.81	52.49	0.111 [1]
T20	78 - 53	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8	0.8011	1.72	39.05	0.044 [1]
T21	53 - 28	2L2 1/2x2x3/16 (LLV)	5.00	4.73	71.8	1.6200	3.12	52.49	0.059 [1]
T22	28 - 9.25	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8	0.8011	1.84	39.05	0.047 [1]
T23	9.25 - 4.25	Pipe 1.5 XStr (1.9"ODx0.2")	5.00	4.73	93.8	0.8011	1.84	39.05	0.047 [1]

[1] P_u / ϕP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T3	353 - 346.75 (615)	2L2 1/2x2 1/2x1/4	5.60	5.47	85.4	2.3800	14.63	77.11	0.190 [1]
T3	353 - 346.75 (616)	2L2 1/2x2 1/2x1/4	5.60	5.47	85.4	2.3800	14.74	77.11	0.191 [1]
T3	353 - 346.75 (621)	2L2 1/2x2 1/2x1/4	5.60	5.47	85.4	2.3800	14.63	77.11	0.190 [1]
T3	353 - 346.75 (622)	2L2 1/2x2 1/2x1/4	5.60	5.47	85.4	2.3800	14.56	77.11	0.189 [1]
T3	353 - 346.75 (627)	2L2 1/2x2 1/2x1/4	5.60	5.47	85.4	2.3800	14.39	77.11	0.187 [1]
T3	353 - 346.75 (628)	2L2 1/2x2 1/2x1/4	5.60	5.47	85.4	2.3800	14.53	77.11	0.188 [1]
T7	303 - 296.75 (633)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	15.49	77.11	0.201 [1]
T7	303 - 296.75 (634)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	15.50	77.11	0.201 [1]
T7	303 - 296.75 (639)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	15.50	77.11	0.201 [1]

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T7	303 - 296.75 (640)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	15.42	77.11	0.200 [1] ✓
T7	303 - 296.75 (645)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	15.17	77.11	0.197 [1] ✓
T7	303 - 296.75 (646)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	15.32	77.11	0.199 [1] ✓
T11	228 - 221.75 (651)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	13.62	77.11	0.177 [1] ✓
T11	228 - 221.75 (652)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	13.75	77.11	0.178 [1] ✓
T11	228 - 221.75 (657)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	13.80	77.11	0.179 [1] ✓
T11	228 - 221.75 (658)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	13.72	77.11	0.178 [1] ✓
T11	228 - 221.75 (663)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	13.74	77.11	0.178 [1] ✓
T11	228 - 221.75 (664)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	13.64	77.11	0.177 [1] ✓
T18	103 - 96.75 (672)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	7.66	77.11	0.099 [1] ✓
T18	103 - 96.75 (673)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	7.70	77.11	0.100 [1] ✓
T18	103 - 96.75 (678)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	7.63	77.11	0.099 [1] ✓
T18	103 - 96.75 (679)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	7.77	77.11	0.101 [1] ✓
T18	103 - 96.75 (684)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	7.77	77.11	0.101 [1] ✓
T18	103 - 96.75 (685)	2L2 1/2x2 1/2x1/4	5.60	5.46	85.2	2.3800	7.69	77.11	0.100 [1] ✓

[1] P_u / ϕP_n controls

Torque-Arm Bottom Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T18	103 - 96.75 (680)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7	2.3800	0.05	77.11	0.001 [1] ✓
T18	103 - 96.75 (687)	2L2 1/2x2 1/2x1/4	8.39	8.19	127.7	2.3800	0.07	77.11	0.001 [1] ✓

[1] P_u / ϕP_n controls

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	372.25 - 365.5	Leg	2 3/4	1	-0.85	102.85	0.8	Pass
T2	365.5 - 353	Leg	2 3/4	13	-5.27	102.85	5.1	Pass
T3	353 - 346.75	Leg	3	34	-2.90	135.28	2.1	Pass
T4	346.75 - 334.25	Leg	3	46	-35.32	135.28	26.1	Pass
T5	334.25 - 328	Leg	3	67	-37.57	135.28	27.8	Pass
T6	328 - 303	Leg	3 1/4	79	-39.75	171.63	23.2	Pass
T7	303 - 296.75	Leg	3 1/4	118	-35.54	171.63	20.7	Pass
T8	296.75 - 278	Leg	3 1/4	130	-83.36	171.63	48.6	Pass
T9	278 - 253	Leg	3	160	-86.01	135.28	63.6	Pass
T10	253 - 228	Leg	3 1/4	199	-84.34	171.63	49.1	Pass
T11	228 - 221.75	Leg	3 1/4	238	-49.84	171.63	29.0	Pass
T12	221.75 - 203	Leg	3 1/4	250	-82.40	171.63	48.0	Pass
T13	203 - 178	Leg	3	280	-83.39	200.78	41.5	Pass
T14	178 - 165.5	Leg	3 1/4	333	-81.25	171.63	47.3	Pass
T15	165.5 - 153	Leg	3 1/4	352	-88.31	171.63	51.5	Pass
T16	153 - 128	Leg	3 1/4	375	-90.67	171.63	52.8	Pass
T17	128 - 103	Leg	3 1/4	414	-90.22	171.63	52.6	Pass
T18	103 - 96.75	Leg	3 1/4	453	-75.33	171.63	43.9	Pass
T19	96.75 - 78	Leg	3 1/4	463	-98.37	171.63	57.3	Pass
T20	78 - 53	Leg	3 1/4	493	-99.42	171.63	57.9	Pass
T21	53 - 28	Leg	3 1/4	532	-105.52	171.63	61.5	Pass
T22	28 - 9.25	Leg	3 1/4	571	-106.42	171.63	62.0	Pass
T23	9.25 - 4.25	Leg	3 1/4	603	-105.69	201.71	52.4	Pass
T1	372.25 - 365.5	Diagonal	L2 1/2x2 1/2x1/4	12	-0.48	29.37	1.6	Pass
T2	365.5 - 353	Diagonal	2L3x3x5/16	23	-1.16	117.87	1.0	Pass
T3	353 - 346.75	Diagonal	2L3x2 1/2x1/4	40	-3.22	85.42	3.8	Pass
T4	346.75 - 334.25	Diagonal	3/4	61	2.56	14.31	17.9	Pass
T5	334.25 - 328	Diagonal	1	73	1.98	25.45	7.8	Pass
T6	328 - 303	Diagonal	1	89	2.30	25.45	9.0	Pass
T7	303 - 296.75	Diagonal	2L2 1/2x2 1/2x3/16	124	-5.68	55.73	10.2	Pass
T8	296.75 - 278	Diagonal	1	157	3.52	25.45	13.8	Pass
T9	278 - 253	Diagonal	1	196	1.91	25.45	7.5	Pass
T10	253 - 228	Diagonal	1	205	10.21	25.45	40.1	Pass
T11	228 - 221.75	Diagonal	2L2 1/2x2 1/2x1/4	244	-8.78	76.28	11.5	Pass
T12	221.75 - 203	Diagonal	5/8	276	1.62	9.94	16.3	Pass
T13	203 - 178	Diagonal	5/8	291	4.27	9.94	43.0	Pass
T14	178 - 165.5	Diagonal	5/8	342	5.30	9.94	53.3	Pass
T15	165.5 - 153	Diagonal	5/8	370	2.03	9.94	20.4	Pass
T16	153 - 128	Diagonal	5/8	382	2.07	9.94	20.8	Pass
T17	128 - 103	Diagonal	L2 1/2x2x3/16 (LLV)	421	5.30	26.20	20.2	Pass
T18	103 - 96.75	Diagonal	2L2 1/2x2 1/2x1/4	457	-10.19	76.28	13.4	Pass
T19	96.75 - 78	Diagonal	5/8	489	2.15	9.94	21.6	Pass
T20	78 - 53	Diagonal	5/8	502	1.68	9.94	16.9	Pass
T21	53 - 28	Diagonal	5/8	566	2.42	9.94	24.3	Pass
T22	28 - 9.25	Diagonal	5/8	578	1.27	9.94	12.7	Pass
T23	9.25 - 4.25	Diagonal	5/8	608	1.06	9.94	10.7	Pass
T2	365.5 - 353	Horizontal	2L2 1/2x3x1/4 (SLV)	27	0.27	85.21	0.3	Pass
T4	346.75 - 334.25	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	58	-1.53	19.49	7.9	Pass
T6	328 - 303	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	93	-0.94	19.60	4.8	Pass
T8	296.75 - 278	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	152	-2.09	19.60	10.7	Pass
T9	278 - 253	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	172	-1.49	19.49	7.6	Pass
T10	253 - 228	Horizontal	2L2x2 1/2x3/16 (SLV)	211	-6.34	41.91	15.1	Pass
T12	221.75 - 203	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	271	-1.43	19.60	7.3	Pass
T13	203 - 178	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	294	-2.32	19.49	11.9	Pass
T14	178 - 165.5	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	345	-3.25	19.60	16.6	Pass
T15	165.5 - 153	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	364	-1.53	19.60	7.8	Pass
T16	153 - 128	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	395	-1.57	19.60	8.0	Pass
T17	128 - 103	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	425	-3.12	19.60	15.9	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$øP_{allow}$ K	% Capacity	Pass Fail
T19	96.75 - 78	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	477	-1.70	19.60	8.7	Pass
T20	78 - 53	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	505	-1.72	19.60	8.8	Pass
T21	53 - 28	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	544	-1.83	19.60	9.3	Pass
T22	28 - 9.25	Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	583	-1.84	19.60	9.4	Pass
T13	203 - 178	Secondary Horizontal	Pipe 1.5 Std (1.9"ODx0.145")	297	-1.44	19.49	7.4	Pass
T1	372.25 - 365.5	Top Girt	2L2 1/2x2x1/4 (LLV)	4	0.07	69.01	0.2	Pass
T2	365.5 - 353	Top Girt	2L2 1/2x3x1/4 (SLV)	17	0.13	85.21	0.2	Pass
T3	353 - 346.75	Top Girt	2L2 1/2x3x1/4 (SLV)	38	5.06	85.21	5.9	Pass
T4	346.75 - 334.25	Top Girt	2L2 1/2x2x1/4 (LLV)	50	-1.99	63.93	3.1	Pass
T5	334.25 - 328	Top Girt	Pipe 1.5 Std (1.9"ODx0.145")	70	-1.35	19.49	6.9	Pass
T6	328 - 303	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	82	-1.13	25.27	4.5	Pass
T7	303 - 296.75	Top Girt	2L2 1/2x2x3/16 (LLV)	122	7.25	52.49	13.8	Pass
T8	296.75 - 278	Top Girt	2L2 1/2x2x3/16 (LLV)	135	2.19	52.49	4.2	Pass
T9	278 - 253	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	163	-1.49	25.13	5.9	Pass
T10	253 - 228	Top Girt	2L2 1/2x2x3/16 (LLV)	202	-1.49	48.86	3.0	Pass
T11	228 - 221.75	Top Girt	2L2 1/2x2x3/16 (LLV)	242	11.05	52.49	21.0	Pass
T12	221.75 - 203	Top Girt	2L2 1/2x2x3/16 (LLV)	255	4.53	52.49	8.6	Pass
T13	203 - 178	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	283	-1.44	25.13	5.7	Pass
T14	178 - 165.5	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	336	-2.89	25.27	11.5	Pass
T15	165.5 - 153	Top Girt	2L2 1/2x2x3/16 (LLV)	357	5.16	52.49	9.8	Pass
T16	153 - 128	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	377	-1.57	25.27	6.2	Pass
T17	128 - 103	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	416	-1.61	25.27	6.4	Pass
T18	103 - 96.75	Top Girt	2L2 1/2x2x3/16 (LLV)	455	10.07	52.49	19.2	Pass
T19	96.75 - 78	Top Girt	2L2 1/2x2x3/16 (LLV)	468	5.81	52.49	11.1	Pass
T20	78 - 53	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	496	-1.72	25.27	6.8	Pass
T21	53 - 28	Top Girt	2L2 1/2x2x3/16 (LLV)	535	3.12	52.49	5.9	Pass
T22	28 - 9.25	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	574	-1.84	25.27	7.3	Pass
T23	9.25 - 4.25	Top Girt	Pipe 1.5 XStr (1.9"ODx0.2")	604	-1.84	25.27	7.3	Pass
T3	353 - 346.75	Guy A@353	7/8	626	16.11	47.82	33.7	Pass
T7	303 - 296.75	Guy A@303	7/8	644	18.00	47.82	37.7	Pass
T11	228 - 221.75	Guy A@228	3/4	661	15.38	34.98	44.0	Pass
T15	165.5 - 153	Guy A@165.5	3/4	669	14.94	34.98	42.7	Pass
T18	103 - 96.75	Guy A@103	9/16	682	7.93	21.00	37.7	Pass
T21	53 - 28	Guy A@53	9/16	690	7.17	21.00	34.1	Pass
T3	353 - 346.75	Guy B@353	7/8	619	15.97	47.82	33.4	Pass
T7	303 - 296.75	Guy B@303	7/8	637	17.88	47.82	37.4	Pass
T11	228 - 221.75	Guy B@228	3/4	655	15.18	34.98	43.4	Pass
T15	165.5 - 153	Guy B@165.5	3/4	668	14.77	34.98	42.2	Pass
T18	103 - 96.75	Guy B@103	9/16	677	7.76	21.00	37.0	Pass
T21	53 - 28	Guy B@53	9/16	689	7.11	21.00	33.9	Pass
T3	353 - 346.75	Guy C@353	7/8	613	16.43	47.82	34.4	Pass
T7	303 - 296.75	Guy C@303	7/8	632	18.36	47.82	38.4	Pass
T11	228 - 221.75	Guy C@228	3/4	650	15.48	34.98	44.3	Pass
T15	165.5 - 153	Guy C@165.5	3/4	667	15.05	34.98	43.0	Pass
T18	103 - 96.75	Guy C@103	9/16	671	7.94	21.00	37.8	Pass
T21	53 - 28	Guy C@53	9/16	688	7.24	21.00	34.5	Pass
T3	353 - 346.75	Torque Arm Top@353	2L2 1/2x2 1/2x1/4	616	14.74	77.11	19.1	Pass
T7	303 - 296.75	Torque Arm Top@303	2L2 1/2x2 1/2x1/4	634	15.50	77.11	20.1	Pass
T11	228 - 221.75	Torque Arm Top@228	2L2 1/2x2 1/2x1/4	657	13.80	77.11	17.9	Pass
T18	103 - 96.75	Torque Arm Top@103	2L2 1/2x2 1/2x1/4	684	7.77	77.11	10.1	Pass
T3	353 - 346.75	Torque Arm Bottom@353	2L2 1/2x2 1/2x1/4	617	-16.65	41.59	40.0	Pass
T7	303 - 296.75	Torque Arm Bottom@303	2L2 1/2x2 1/2x1/4	641	-19.20	41.75	46.0	Pass
T11	228 - 221.75	Torque Arm Bottom@228	2L2 1/2x2 1/2x1/4	659	-14.97	41.75	35.9	Pass
T18	103 - 96.75	Torque Arm	2L2 1/2x2 1/2x1/4	680	-5.98	41.75	14.3	Pass

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
		Bottom@103						
							Summary	
						Leg (T9)	63.6	Pass
						Diagonal (T14)	53.3	Pass
						Horizontal (T14)	16.6	Pass
						Secondary Horizontal (T13)	7.4	Pass
						Top Girt (T11)	21.0	Pass
						Guy A (T11)	44.0	Pass
						Guy B (T11)	43.4	Pass
						Guy C (T11)	44.3	Pass
						Torque Arm Top (T7)	20.1	Pass
						Torque Arm Bottom (T7)	46.0	Pass
						RATING =	**63.6**	**Pass**

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

Job:	Montville CT	Engineer:	JLL
Project:	23CLVZ-0018	Date:	10/13/2023
Client:	Verizon Wireless	Sheet:	1 of 1

Guyed Pier and Pad Analysis Summary (TIA-H)

Analysis Reactions and Tower Information

Compression, P_{comp}:	315.6	*kips*
Shear, V_{comp}:	0.6	*kips*
Moment, M:	0.0	*ft-kips*
Uplift, P_{uplift}:	-	*kips*
Shear, V_{uplift}:	-	*kips*
Tower Height:	372	*ft*
BP Dist. Above Fdn, bp_{dist}:	3.00	*in*

Pad Properties

Depth, D:	3.5	*ft*
Pad Width, W_1:	7.0	*ft*
Pad Width, W_2:	7.0	*ft*
Pad Thickness, T:	2.0	*ft*
Pad Rebar Size, R_{spad}:	8	
Pad Rebar Quantity, R_{qpad}:	46	
Pad Clear Cover, cc_{pad}:	3.0	*in*

Material Properties

Rebar Strength, Fy:	60	*ksi*
Concrete Strength, f'c:	4	*ksi*
Dry Concrete Density, δ_c:	150	*pcf*

Soil Properties

Total Soil Unit Weight, γ:	120	*pcf*
Ultimate Net Bearing, Qnet:	10.7	*ksf*
Cohesion, Cu:	0.00	*ksf*
Friction Angle, ϕ:	30	*degrees*
SPT Blow Count, N_{blows}:	10	
Base Friction, μ:	0.5	
Neglected Depth, N:	3.33	*ft*
Foundation Bearing on Rock?:	No	
Groundwater Depth, D_{gw}:	N/A	*ft*

Pier Properties

Pier Shape:	-
Pier Diameter, d_{pier}:	-
Ext. Above Grade, E:	-
Pier Rebar Size, R_{spier}:	-
Pier Rebar Quantity, R_{qpier}:	-
Pier Tie Size, T_{spier}:	-
Pier Tie Quantity, T_{qpier}:	-
Pier Clear Cover, cc_{pier}:	-

Foundation Analysis Results

Soil Capacity Results

	Capacity	Demand	Rating
Uplift *(kips)* :	-	-	-
Lateral (Sliding) *(kips)* :	68.53	0.58	0.8%
Bearing Pressure *(ksf)* :	6.65	6.88	98.6%
Overturning *(kip*ft)* :	122.01	2.18	1.8%

98.6%
Good

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

Job:	Montville CT	Engineer:	JLL
Project:	23CLVZ-0018	Date:	10/13/2023
Client:	Verizon Wireless	Sheet:	1 of 1

Inner Guy Anchor Block Analysis Summary (TIA-H)

Analysis Reactions and Tower Information

Shear, S:	6.43	*kips*
Uplift, U:	3.28	*kips*
Resultant Force, R_f:	7.22	*kips*
Tower Height:	372.0	*ft*
Guy Anchor Radius, R:	115.0	*ft*
Resultant Angle to Horiz., R_a:	27.0	*deg*

Anchor Rod Properties

Anchor Shaft Diameter, D_s:	-	*in*
Anchor Shaft Quantity, S_{qt}:	-	
Anchor Shaft Area, A_s:	-	in^2
Shear Lag Factor, u:	-	
Anchor Shaft Grade, Fy:	-	*ksi*
Anchor Shaft Ultimate Str., Fu:	-	*ksi*

Frost Depth, Fd:	3.3	*ft*
Groundwater Level, gw:	N/A	*ft*

Guy Anchor Properties

Depth to Bottom, D_a:	6.5	*ft*
Anchor Width, W_a:	4.0	*ft*
Anchor Thickness, T_a:	3.0	*ft*
Anchor Length, L_a:	10.0	*ft*
Anchor Volume, V_a:	4.44	ft^3
Toe Width, W_t:	0.0	*ft*
Clear Cover, cc:	-	*in*
Anchor Top Rebar Size, R_t:	-	
Anchor Top Rebar Qnty, R_{qt}:	-	
Anchor Front Rebar Size, R_f:	-	
Anchor Front Rebar Qnty, R_{qf}:	-	
Stirrup Size:	-	

Material Properties

Rebar Grade, Fy:	-	*ksi*
Concrete Strength, F'c:	-	*ksi*
Dry Concrete Density, δc:	0.150	*kcf*

Soil Properties

Layer	*Friction Angle (deg)*	*Cohesion (ksf)*	*Soil Unit Weight (pcf)*	*Depth (ft)*	*Ult. Skin Friction (ksf)*	*N (blows/ft)*
1	29	0.000	110	3.3	0.000	0
2	30	0.000	110	4.0	0.000	10
3	36	0.000	110	6.5	0.000	10

Foundation Analysis Results

	Capacity	Demand	Rating	
Lateral Capacity *(kips)*:	58.29	6.43	11.0%	*Soil*
Uplift Capacity *(kips)*:	50.46	3.28	6.5%	11.0%
Lateral Flexural Capacity *(ft*kips)*:	-	-	-	*Structural*
Uplift Flexural Capacity *(ft*kips)*:	-	-	-	-
Anchor Shaft *(kips)*:	-	-	-	Good

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

CENTERLINE

Job:	Montville CT	Engineer:	JLL
Project:	23CLVZ-0018	Date:	10/13/2023
Client:	Verizon Wireless	Sheet:	1 of 1

Inner Middle Guy Anchor Block Analysis Summary (TIA-H)

Analysis Reactions and Tower Information

Shear, S:	24.80	*kips*
Uplift, U:	17.56	*kips*
Resultant Force, R_f:	30.39	*kips*
Tower Height:	372.0	*ft*
Guy Anchor Radius, R:	194.0	*ft*
Resultant Angle to Horiz., R_a:	35.3	*deg*

Anchor Rod Properties

Anchor Shaft Diameter, D_s:	-	*in*
Anchor Shaft Quantity, S_{qt}:	-	
Anchor Shaft Area, A_s:	-	in^2
Shear Lag Factor, u:	-	
Anchor Shaft Grade, Fy:	-	*ksi*
Anchor Shaft Ultimate Str., Fu:	-	*ksi*

Frost Depth, Fd:	3.3	*ft*
Groundwater Level, gw:	N/A	*ft*

Guy Anchor Properties

Depth to Bottom, D_a:	10.0	*ft*
Anchor Width, W_a:	4.0	*ft*
Anchor Thickness, T_a:	4.0	*ft*
Anchor Length, L_a:	10.0	*ft*
Anchor Volume, V_a:	5.93	ft^3
Toe Width, W_t:	0.0	*ft*
Clear Cover, cc:	-	*in*
Anchor Top Rebar Size, R_t:	-	
Anchor Top Rebar Qnty, R_{qt}:	-	
Anchor Front Rebar Size, R_f:	-	
Anchor Front Rebar Qnty, R_{qf}:	-	
Stirrup Size:	-	

Material Properties

Rebar Grade, Fy:	-	*ksi*
Concrete Strength, F'c:	-	*ksi*
Dry Concrete Density, δc:	0.150	*kcf*

Soil Properties

Layer	Friction Angle (deg)	Cohesion (ksf)	Soil Unit Weight (pcf)	Depth (ft)	Ult. Skin Friction (ksf)	N (blows/ft)
1	29	0.000	110	3.3	0.000	0
2	30	0.000	110	4.0	0.000	10
3	36	0.000	110	6.8	0.000	10
4	36	0.000	110	10.0	0.000	10

Foundation Analysis Results

	Capacity	Demand	Rating	
Lateral Capacity *(kips)*:	120.85	24.80	20.5%	*Soil*
Uplift Capacity *(kips)*:	104.57	17.56	16.8%	20.5%
Lateral Flexural Capacity *(ft*kips)*:	-	-	-	*Structural*
Uplift Flexural Capacity *(ft*kips)*:	-	-	-	-
Anchor Shaft *(kips)*:	-	-	-	Good

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

Job:	Montville CT	Engineer:	JLL
Project:	23CLVZ-0018	Date:	10/13/2023
Client:	Verizon Wireless	Sheet:	1 of 1

Outer Middle Guy Anchor Block Analysis Summary (TIA-H)

Analysis Reactions and Tower Information

Shear, S:	42.01	*kips*
Uplift, U:	50.82	*kips*
Resultant Force, R_f:	65.94	*kips*
Tower Height:	372.0	*ft*
Guy Anchor Radius, R:	219.0	*ft*
Resultant Angle to Horiz., R_a:	50.4	*deg*

Anchor Rod Properties

Anchor Shaft Diameter, D_s:	-	*in*
Anchor Shaft Quantity, S_{qt}:	-	
Anchor Shaft Area, A_s:	-	in^2
Shear Lag Factor, u:	-	
Anchor Shaft Grade, Fy:	-	*ksi*
Anchor Shaft Ultimate Str., Fu:	-	*ksi*

Frost Depth, Fd:	3.3	*ft*
Groundwater Level, gw:	N/A	*ft*

Guy Anchor Properties

Depth to Bottom, D_a:	10.0	*ft*
Anchor Width, W_a:	6.0	*ft*
Anchor Thickness, T_a:	4.0	*ft*
Anchor Length, L_a:	16.0	*ft*
Anchor Volume, V_a:	14.22	ft^3
Toe Width, W_t:	0.0	*ft*
Clear Cover, cc:	-	*in*
Anchor Top Rebar Size, R_t:	-	
Anchor Top Rebar Qnty, R_{qt}:	-	
Anchor Front Rebar Size, R_f:	-	
Anchor Front Rebar Qnty, R_{qf}:	-	
Stirrup Size:	-	

Material Properties

Rebar Grade, Fy:	-	*ksi*
Concrete Strength, F'c:	-	*ksi*
Dry Concrete Density, δc:	0.150	*kcf*

Soil Properties

Layer	*Friction Angle (deg)*	*Cohesion (ksf)*	*Soil Unit Weight (pcf)*	*Depth (ft)*	*Ult. Skin Friction (ksf)*	*N (blows/ft)*
1	29	0.000	110	3.3	0.000	0
2	30	0.000	110	4.0	0.000	10
3	36	0.000	110	6.8	0.000	10
4	36	0.000	110	10.0	0.000	10

Foundation Analysis Results

	Capacity	Demand	Rating	
Lateral Capacity *(kips)*:	204.10	42.01	20.6%	*Soil*
Uplift Capacity *(kips)*:	198.03	50.82	25.7%	25.7%
Lateral Flexural Capacity *(ft*kips)*:	-	-	-	*Structural*
Uplift Flexural Capacity *(ft*kips)*:	-	-	-	-
Anchor Shaft *(kips)*:	-	-	-	Good

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

Job:	Montville CT	Engineer:	JLL
Project:	23CLVZ-0018	Date:	10/13/2023
Client:	Verizon Wireless	Sheet:	1 of 1

Outer Guy Anchor Block Analysis Summary (TIA-H)

Analysis Reactions and Tower Information

Shear, S:	18.59	*kips*
Uplift, U:	25.60	*kips*
Resultant Force, R_f:	31.64	*kips*
Tower Height:	372.0	*ft*
Guy Anchor Radius, R:	247.0	*ft*
Resultant Angle to Horiz., R_a:	54.0	*deg*

Anchor Rod Properties

Anchor Shaft Diameter, D_s:	-	*in*
Anchor Shaft Quantity, S_{qt}:	-	
Anchor Shaft Area, A_s:	-	in^2
Shear Lag Factor, u:	-	
Anchor Shaft Grade, Fy:	-	*ksi*
Anchor Shaft Ultimate Str., Fu:	-	*ksi*

Frost Depth, Fd:	3.3	*ft*
Groundwater Level, gw:	N/A	*ft*

Guy Anchor Properties

Depth to Bottom, D_a:	9.8	*ft*
Anchor Width, W_a:	4.0	*ft*
Anchor Thickness, T_a:	3.0	*ft*
Anchor Length, L_a:	12.0	*ft*
Anchor Volume, V_a:	5.33	ft^3
Toe Width, W_t:	0.0	*ft*
Clear Cover, cc:	-	*in*
Anchor Top Rebar Size, R_t:	-	
Anchor Top Rebar Qnty, R_{qt}:	-	
Anchor Front Rebar Size, R_f:	-	
Anchor Front Rebar Qnty, R_{qf}:	-	
Stirrup Size:	-	

Material Properties

Rebar Grade, Fy:	-	*ksi*
Concrete Strength, F'c:	-	*ksi*
Dry Concrete Density, δc:	0.150	*kcf*

Soil Properties

Layer	*Friction Angle (deg)*	*Cohesion (ksf)*	*Soil Unit Weight (pcf)*	*Depth (ft)*	*Ult. Skin Friction (ksf)*	*N (blows/ft)*
1	29	0.000	110	3.3	0.000	0
2	30	0.000	110	4.0	0.000	10
3	36	0.000	110	6.8	0.000	10
4	36	0.000	110	9.8	0.000	10

Foundation Analysis Results

	Capacity	Demand	Rating	
Lateral Capacity *(kips)*:	117.11	18.59	15.9%	*Soil*
Uplift Capacity *(kips)*:	128.00	25.60	20.0%	20.0%
Lateral Flexural Capacity *(ft*kips)*:	-	-	-	*Structural*
Uplift Flexural Capacity *(ft*kips)*:	-	-	-	-
Anchor Shaft *(kips)*:	-	-	-	Good

verizon

Colliers Engineering & Design

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

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10208973
Colliers Engineering & Design CT, P.C. Project #: 23777260

August 31, 2023

Site Information	*Site ID:*	*5000244859-VZW / MONTVILLE CT*
	Site Name:	*MONTVILLE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*695 Old Colchester Rd.* *Uncasville, Connecticut 06382* *New London County*
	Latitude:	*41.453111111°*
	Longitude:	*-72.15402778°*
Structure Information	*Tower Type:*	*350-Ft Guyed*
	Mount Type:	*13.00-Ft Sector Frame*

FUZE ID # 17123693

Analysis Results

Sector Frames: **99.1% Pass w/ Hardware Upgrades***

*** 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: Ismaias Recinos

STATE OF CONNECTICUT
DEJIAN XU
No. 33733
LICENSED
PROFESSIONAL ENGINEER
08/31/2023

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: 324410, dated July 30, 2021*
Mount Mapping Report	*Hudson Design Group, LLC., Site ID: 468399, dated June 8, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21781061A, dated October 18, 2021*
Loading Direction	*Filter Add Scope provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	125 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.983
Seismic Parameters:	S_S:	0.198g
	S_1:	0.054g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live 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
304.00	305.00	6	CommScope	NHH-65B-R2B	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	CommScope	LNX-6514DS-A1M	
		2	Raycap	RHSDC-3315-PF-48*	
		6	Kaelus	KA-6030	Added

*This equipment is installed on the Guyed tower directly, not on the mount and is not considered in this analysis.

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.

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Bar	83.2 %	Pass
Face Horizontal	24.3 %	Pass
Standoff Horizontal	31.6 %	Pass
Standoff Diagonal	7.8 %	Pass
Standoff Vertical	96.8 %	Pass
Antenna Pipe	24.5 %	Pass
Tie Back	24.6 %	Pass
Threaded Rod	99.1 %	Pass
Connection	22.2 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**99.1%**

* Results valid after hardware upgrades noted in the PMI Requirements are installed.

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	21.8	14.3	31.9	24.4
0.5	31.4	21.3	45.5	35.4
1	40.3	27.5	58.5	45.7

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 mount will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

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. Contractor shall verify that the modifications described in the previous mount analysis report by Maser Consulting Connecticut (Maser project #21781061A date October 18, 2021) have been installed.

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

Attachments:

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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.
Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.
For additional questions and support, please reach out to pmisupport@colliersengineering.com

---

MDG #: 5000244859 SMART Project #: 10208973 Fuze Project ID: 17123693

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 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. Contractor shall verify that the modifications described in the previous mount analysis report by Maser Consulting Connecticut (Maser project #21781061A date October 18, 2021) have been installed.

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: 5000244859-VZW - MONTVILLE CT

Sector: **A**

Structure Type: Guyed

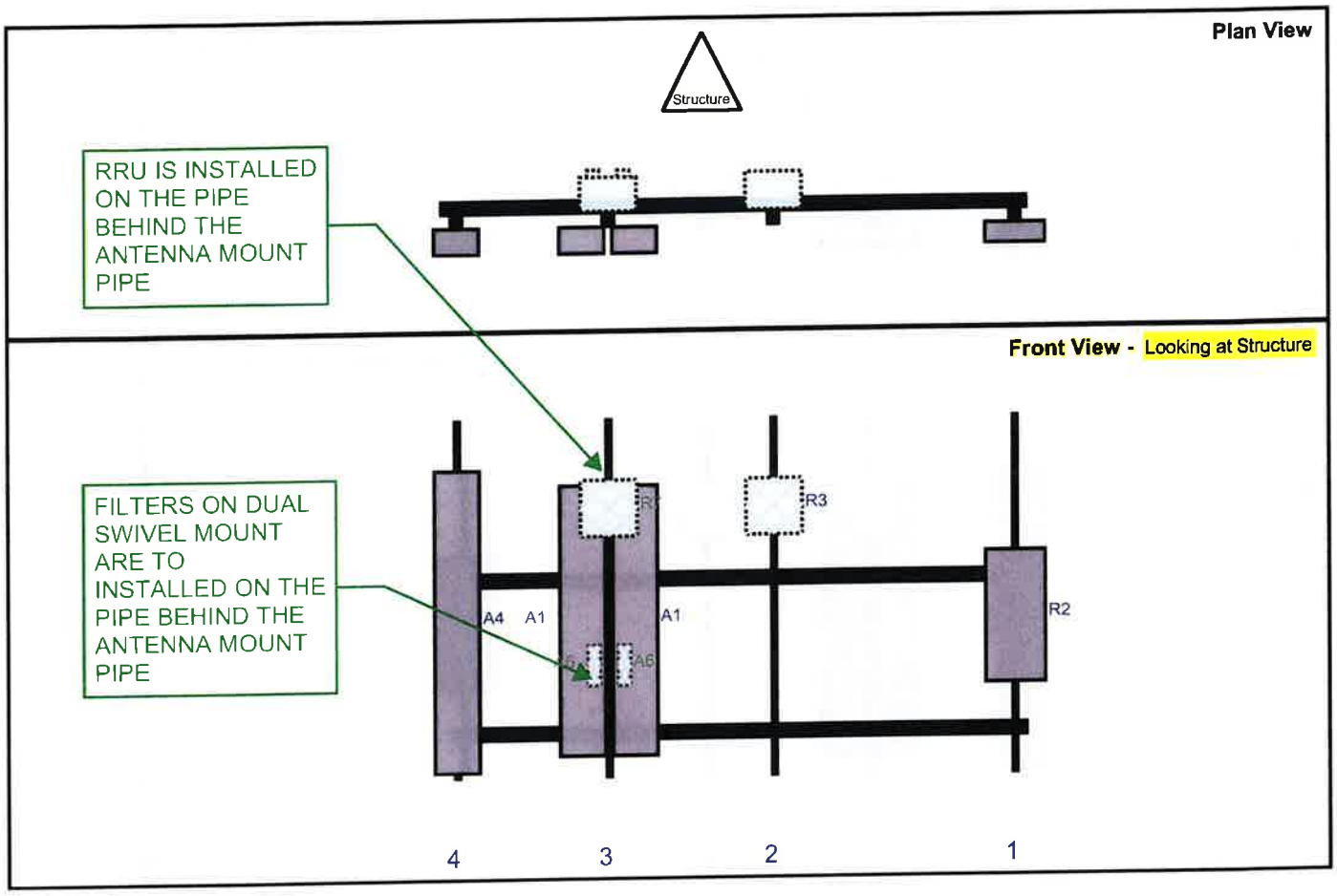
Mount Elev: 304.00

10208973

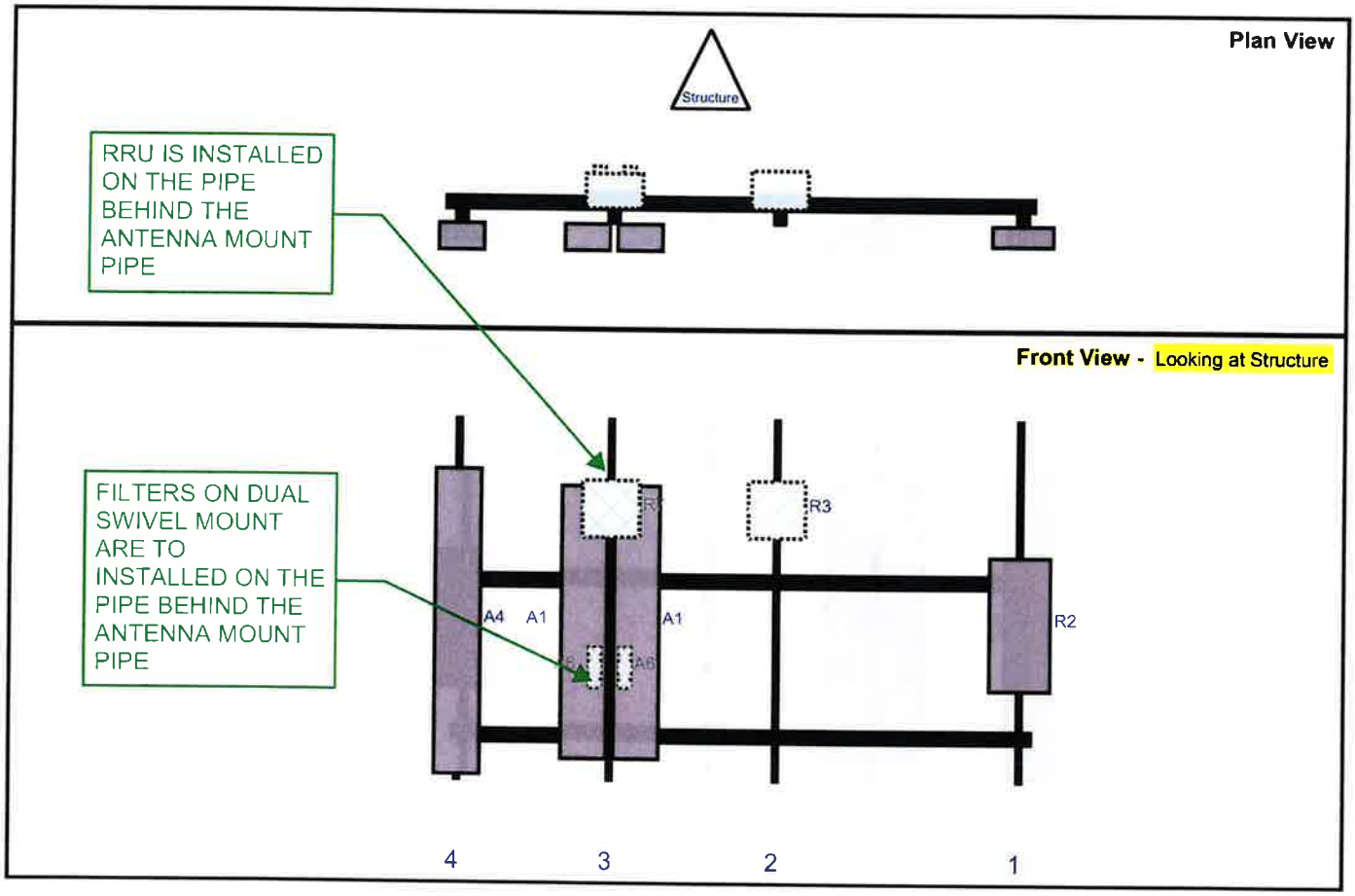
8/30/2023

Colliers Engineering & Design

Page: 1



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	152.5	1	a	Front	54	0	Retained	
R3	RF4439d-25A	15	15	88.5	2	a	Behind	24	0	Retained	
A1	NHH-65B-R2B	72	11.9	44.5	3	a	Front	54	-7	Retained	
A1	NHH-65B-R2B	72	11.9	44.5	3	b	Front	54	7	Retained	
A6	KA-6030	10.6	3.2	44.5	3	a	Behind	66	-4	None	
A6	KA-6030	10.6	3.2	44.5	3	b	Behind	66	4	None	
R7	RF4440d-13A	15	15	44.5	3	a	Behind	24	0	None	
A4	LNX-6514DS-A1M	80.6	11.9	4.5	4	a	Front	54	0	Retained	06/08/2021



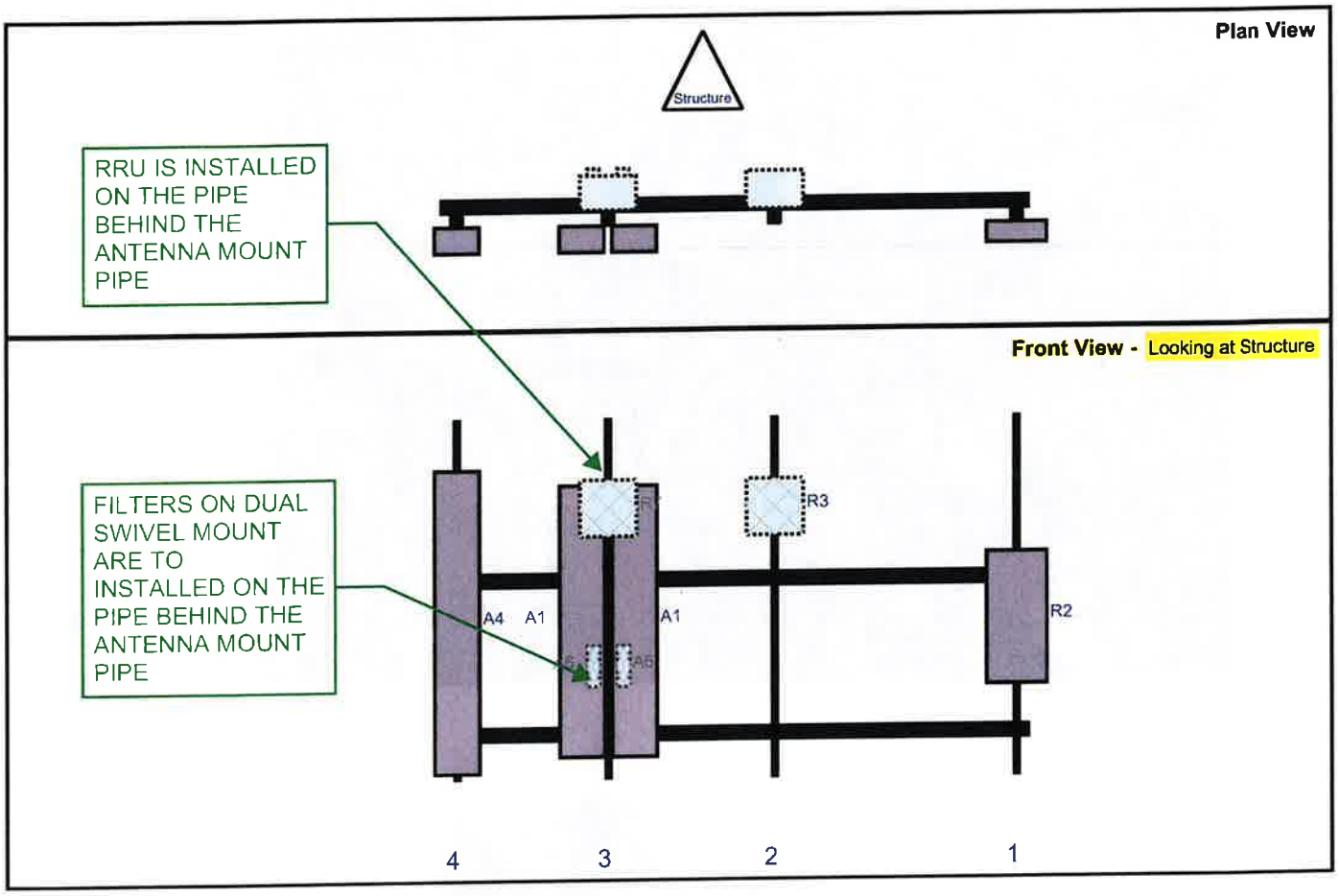
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	152.5	1	a	Front	54	0	Retained	
R3	RF4439d-25A	15	15	88.5	2	a	Behind	24	0	Retained	
A1	NHH-65B-R2B	72	11.9	44.5	3	a	Front	54	-7	Retained	
A1	NHH-65B-R2B	72	11.9	44.5	3	b	Front	54	7	Retained	
A6	KA-6030	10.6	3.2	44.5	3	a	Behind	66	-4	None	
A6	KA-6030	10.6	3.2	44.5	3	b	Behind	66	4	None	
R7	RF4440d-13A	15	15	44.5	3	a	Behind	24	0	None	
A4	LNX-6514DS-A1M	80.6	11.9	4.5	4	a	Front	54	0	Retained	06/08/2021

Sector: C
Structure Type: Guyed
Mount Elev: 304.00

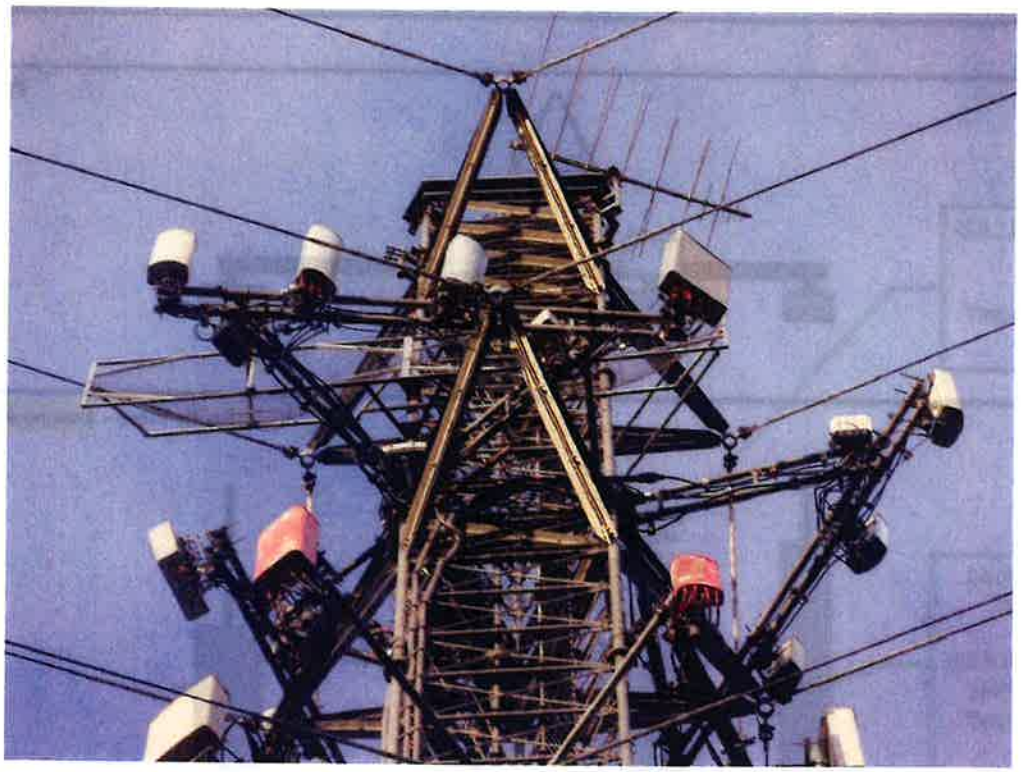
10208973

8/30/2023

Colliers Engineering & Design



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R2	MT6407-77A	35.1	16.1	152.5	1	a	Front	54	0	Retained	
R3	RF4439d-25A	15	15	88.5	2	a	Behind	24	0	Retained	
A1	NHH-65B-R2B	72	11.9	44.5	3	a	Front	54	-7	Retained	
A1	NHH-65B-R2B	72	11.9	44.5	3	b	Front	54	7	Retained	
A6	KA-6030	10.6	3.2	44.5	3	a	Behind	66	-4	None	
A6	KA-6030	10.6	3.2	44.5	3	b	Behind	66	4	None	
R7	RF4440d-13A	15	15	44.5	3	a	Behind	24	0	None	
A4	LNX-6514DS-A1M	80.6	11.9	4.5	4	a	Front	54	0	Retained	06/08/2021



V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

MASER CONSULTING P.A.

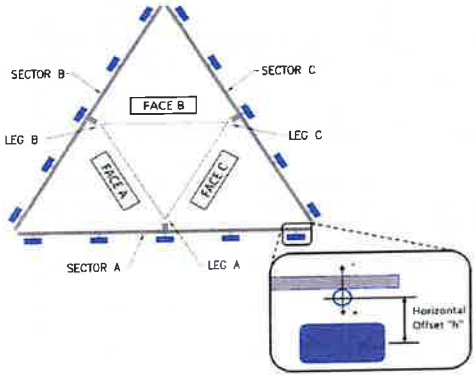
Tower Owner:	Wireless Solutions	Mapping Date:	6/8/2021
Site Name:	MONTVILLE CT	Tower Type:	Guyed Tower
Site Number or ID:	468399	Tower Height (Ft.):	350
Mapping Contractor:	HUDSON DESIGN GROUP, LLC	Mount Elevation (Ft.):	304

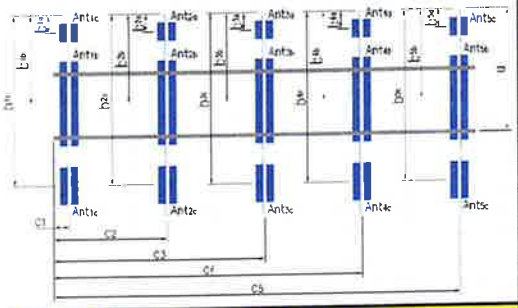
Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 96" LONG	84.00	4.50	C1	2" STD. PIPE X 96" LONG	84.00	4.50
A2	2" STD. PIPE X 60" LONG	45.00	67.50	C2	2" STD. PIPE X 60" LONG	45.00	67.50
A3	2" STD. PIPE X 60" LONG	45.00	111.50	C3	2" STD. PIPE X 60" LONG	45.00	111.50
A4	2" STD. PIPE X 96" LONG	84.00	152.50	C4	2" STD. PIPE X 96" LONG	84.00	152.50
A5				C5			
A6				C6			
B1	2" STD. PIPE X 96" LONG	84.00	4.50	D1			
B2	2" STD. PIPE X 60" LONG	45.00	67.50	D2			
B3	2" STD. PIPE X 60" LONG	45.00	111.50	D3			
B4	2" STD. PIPE X 96" LONG	84.00	152.50	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	
Tower Face Width at Mount Elev. (ft.): 4.5	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 3.34
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount	





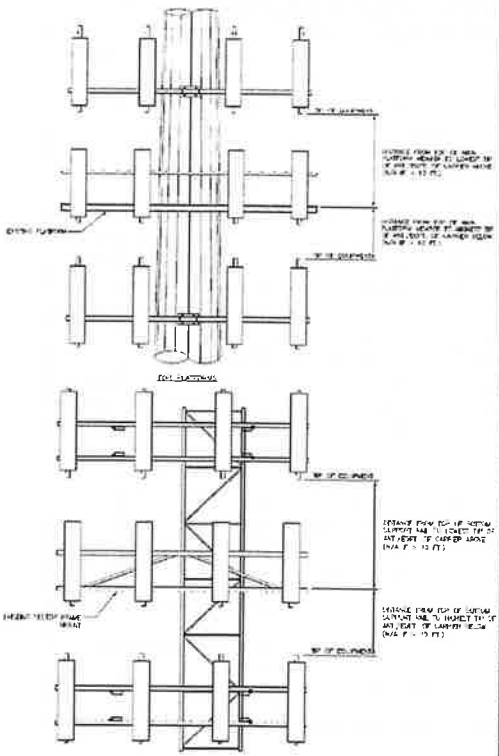
Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances "b_{1a}, b_{2a}, b_{1a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	QUAD656C0000G	21.00	7.00	74.00		306.917	49.00	12.50	0.00	21,22
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	HBXX-6517DS-A2M	12.00	7.00	75.00		306.208	18.50	11.50	0.00	22,23
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	HBXX-6517DS-A2M	12.00	7.00	75.00		306.208	18.50	11.50	0.00	23,24
Ant_{3c}	TMA	7.00	1.80	8.00		305.75	24.00	0.00		67,68
Ant_{4a}										
Ant_{4b}	UNKNOWN	12.00	6.00	72.00		306.75	51.00	7.50	0.00	24,25
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

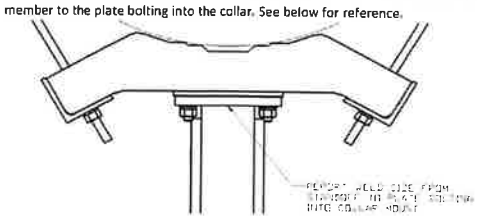
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	35.00	Deg	Leg A:	350.00	Deg
Sector B:	165.00	Deg	Leg B:	110.00	Deg
Sector C:	275.00	Deg	Leg C:	230.00	Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	229.00	Deg	On Leg C
Climbing Facility	Corrosion Type:		Good condition.
	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}	QUAD656C0000G	21.00	7.00	74.00		306.917	49.00	12.50	165.00	31,32
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	HBXX-6517DS-A2M	12.00	7.00	75.00		306.208	18.50	11.50	165.00	32,33
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	HBXX-6517DS-A2M	12.00	7.00	75.00		306.208	18.50	11.50	165.00	33,34
Ant_{3c}	TMA	7.00	1.80	8.00		305.75	24.00	0.00		73,74
Ant_{4a}										
Ant_{4b}	UNKNOWN	12.00	6.00	72.00		306.75	51.00	7.50	165.00	33,34
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	QUAD656C0000G	21.00	7.00	74.00		306.917	49.00	12.50	250.00	40,41
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	HBXX-6517DS-A2M	12.00	7.00	75.00		306.208	18.50	11.50	260.00	41,42
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	HBXX-6517DS-A2M	12.00	7.00	75.00		306.208	18.50	11.50	260.00	41,42
Ant_{3c}	TMA	7.00	1.80	8.00		305.75	24.00	0.00		79,129
Ant_{4a}										
Ant_{4b}	UNKNOWN	12.00	6.00	72.00		306.75	51.00	7.50	285.00	39,42
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		
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)

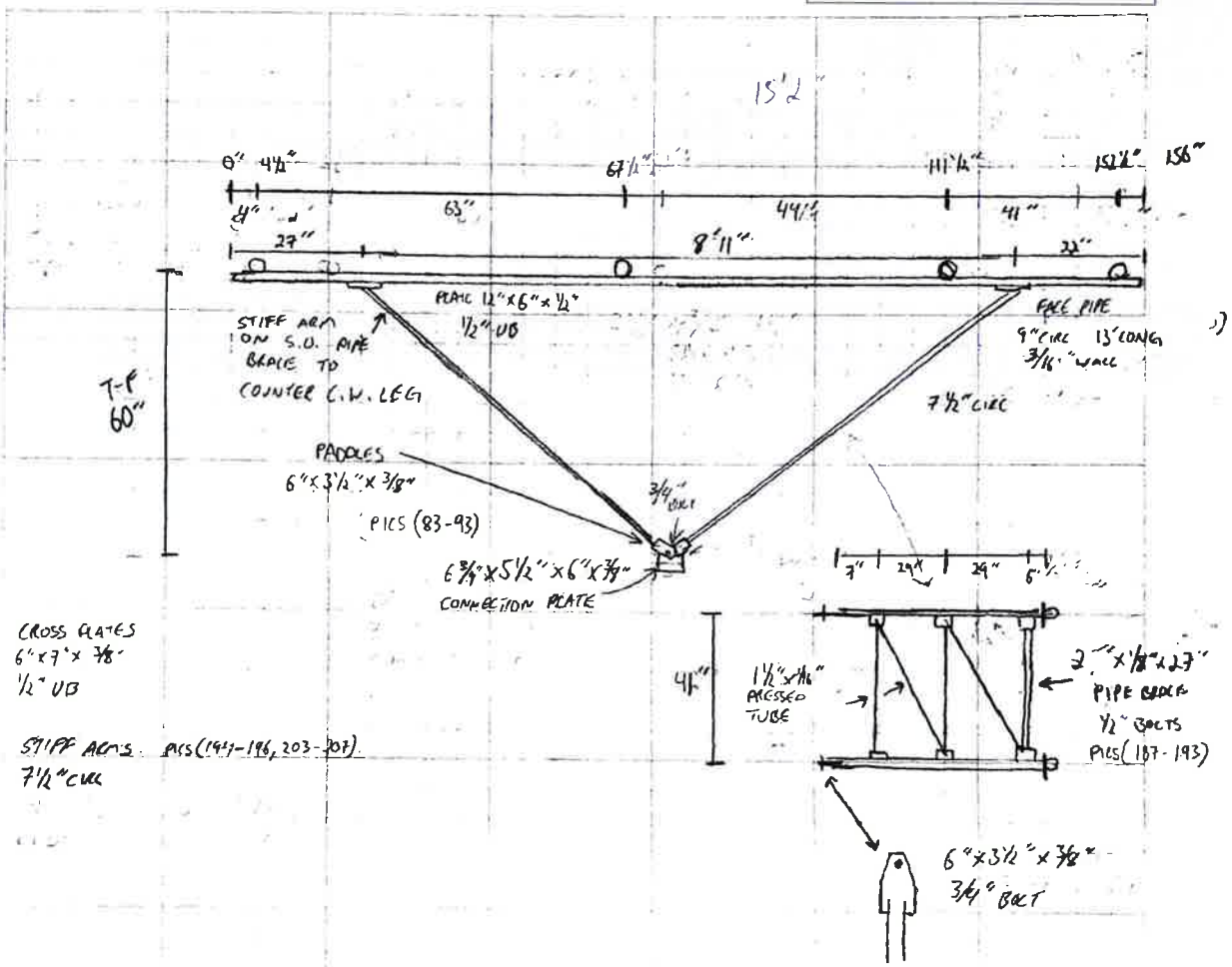
FCC #

Tower Owner:	Wireless Solutions	Mapping Date:	6/8/2021
Site Name:	MONTVILLE CT	Tower Type:	Guyed Tower
Site Number or ID:	468399	Tower Height (Ft.):	350
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	304

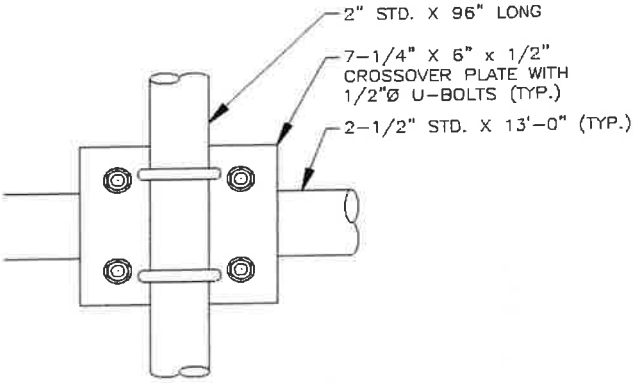
Please Insert Sketches of the Antenna Mount

DATE: 06082021
Project Name: COLLIERS
Project No.: MONTVILLE CT
Design By: [illegible] Chk'd By: _____ Page ___ of ___

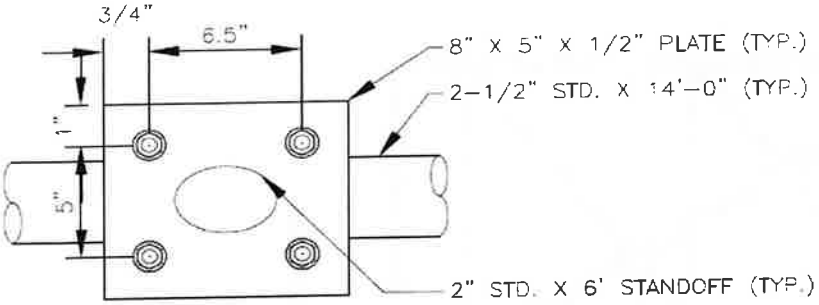
HDG HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5566



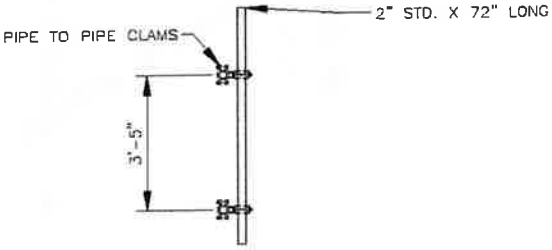
Please Insert Sketches of the Antenna Mount, cont'd



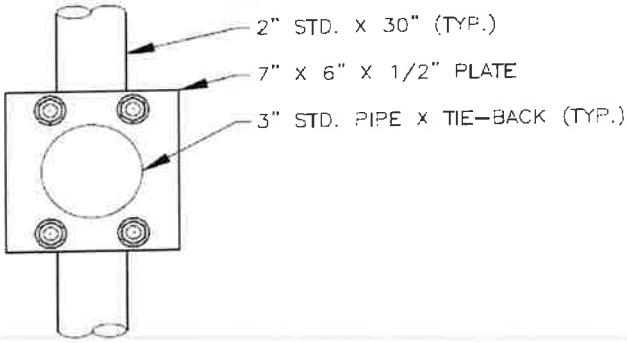
CROSSOVER PLATE DETAIL



STANDOFF TOWER LEG



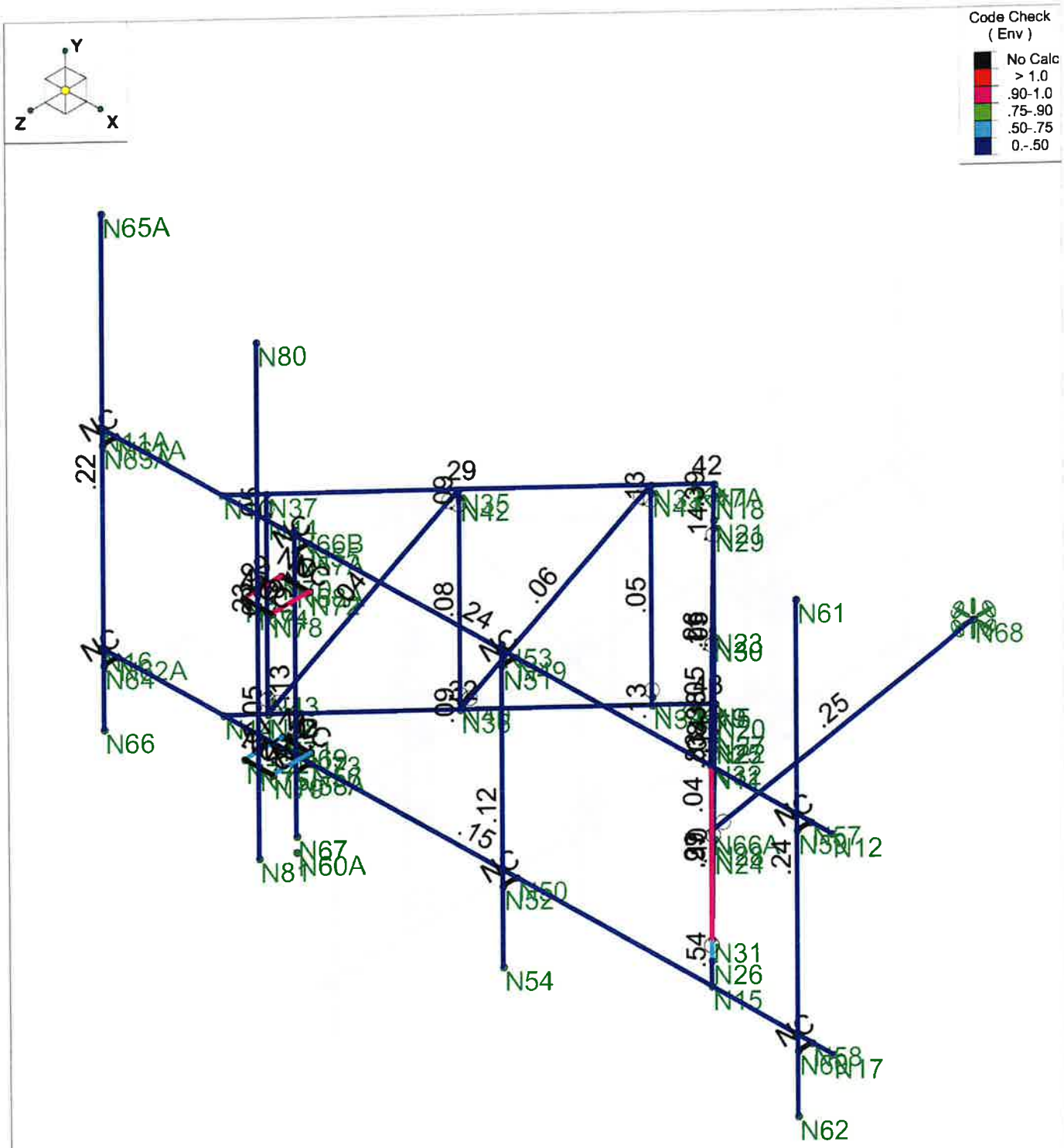
MAST DETAIL



CROSSOVER PLATE DETAIL

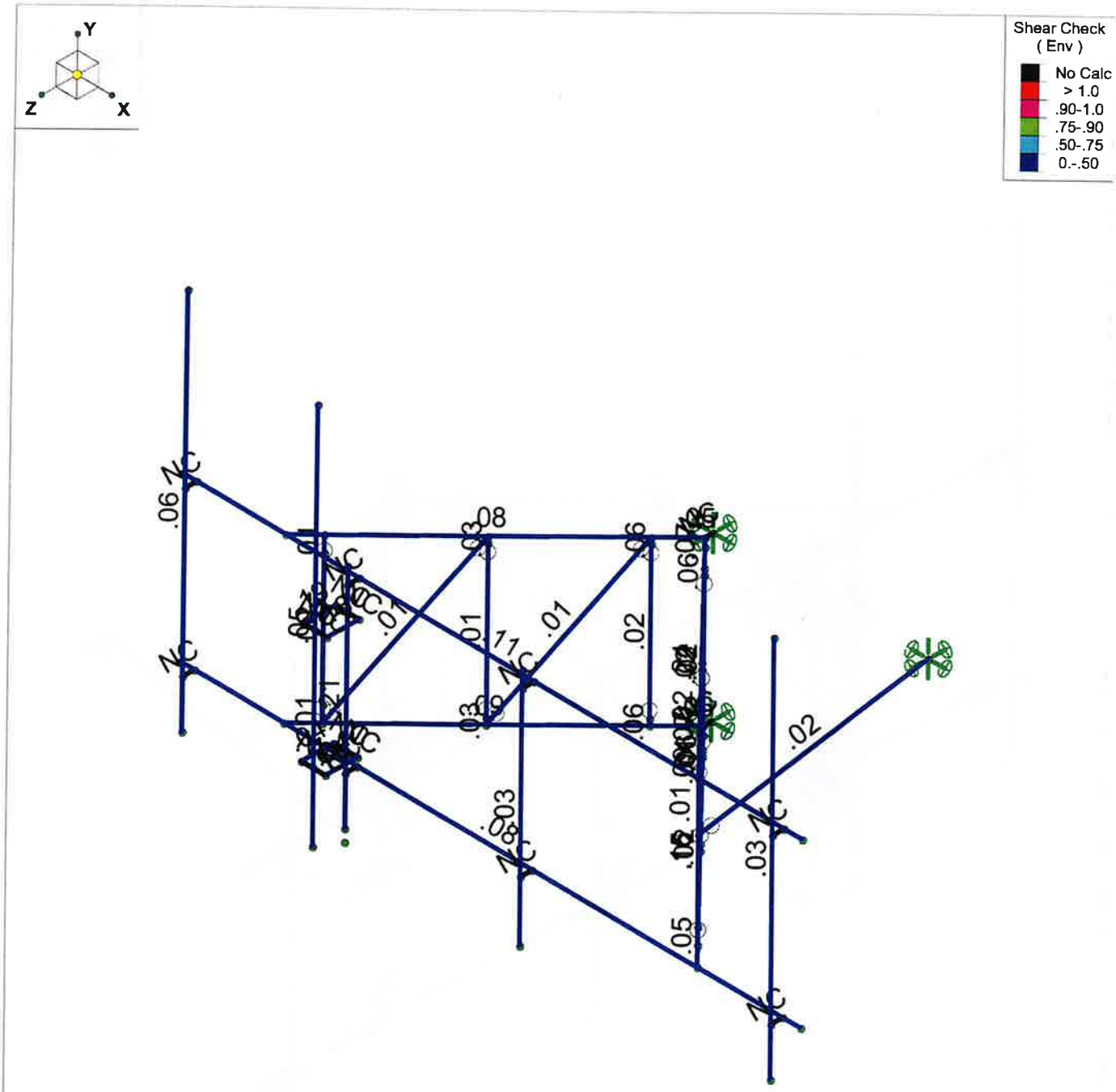
Envelope Only Solution

Colliers Engineering & De...	5000244859-VZW_MT_LOT_SectorA_H	SK - 1
		Aug 31, 2023 at 11:32 AM
		5000244859-VZW_MT_LOT_A_H....



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000244859-VZW_MT_LOT_SectorA_H	Aug 30, 2023 at 9:21 PM
		5000244859-VZW_MT_LOT_A_H....



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...		
	5000244859-VZW_MT_LOT_SectorA_H	Aug 30, 2023 at 9:11 PM
		5000244859-VZW_MT_LOT_A_H....

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					42			
2	Antenna Di	None					42			
3	Antenna Wo (0 Deg)	None					42			
4	Antenna Wo (30 Deg)	None					42			
5	Antenna Wo (60 Deg)	None					42			
6	Antenna Wo (90 Deg)	None					42			
7	Antenna Wo (120 Deg)	None					42			
8	Antenna Wo (150 Deg)	None					42			
9	Antenna Wo (180 Deg)	None					42			
10	Antenna Wo (210 Deg)	None					42			
11	Antenna Wo (240 Deg)	None					42			
12	Antenna Wo (270 Deg)	None					42			
13	Antenna Wo (300 Deg)	None					42			
14	Antenna Wo (330 Deg)	None					42			
15	Antenna Wi (0 Deg)	None					42			
16	Antenna Wi (30 Deg)	None					42			
17	Antenna Wi (60 Deg)	None					42			
18	Antenna Wi (90 Deg)	None					42			
19	Antenna Wi (120 Deg)	None					42			
20	Antenna Wi (150 Deg)	None					42			
21	Antenna Wi (180 Deg)	None					42			
22	Antenna Wi (210 Deg)	None					42			
23	Antenna Wi (240 Deg)	None					42			
24	Antenna Wi (270 Deg)	None					42			
25	Antenna Wi (300 Deg)	None					42			
26	Antenna Wi (330 Deg)	None					42			
27	Antenna Wm (0 Deg)	None					42			
28	Antenna Wm (30 Deg)	None					42			
29	Antenna Wm (60 Deg)	None					42			
30	Antenna Wm (90 Deg)	None					42			
31	Antenna Wm (120 Deg)	None					42			
32	Antenna Wm (150 Deg)	None					42			
33	Antenna Wm (180 Deg)	None					42			
34	Antenna Wm (210 Deg)	None					42			
35	Antenna Wm (240 Deg)	None					42			
36	Antenna Wm (270 Deg)	None					42			
37	Antenna Wm (300 Deg)	None					42			
38	Antenna Wm (330 Deg)	None					42			
39	Structure D	None		-1						
40	Structure Di	None						42		
41	Structure Wo (0 Deg)	None						84		
42	Structure Wo (30 Deg)	None						84		
43	Structure Wo (60 Deg)	None						84		
44	Structure Wo (90 Deg)	None						84		
45	Structure Wo (120 D...	None						84		
46	Structure Wo (150 D...	None						84		
47	Structure Wo (180 D...	None						84		
48	Structure Wo (210 D...	None						84		
49	Structure Wo (240 D...	None						84		
50	Structure Wo (270 D...	None						84		
51	Structure Wo (300 D...	None						84		
52	Structure Wo (330 D...	None						84		
53	Structure Wi (0 Deg)	None						84		
54	Structure Wi (30 Deg)	None						84		
55	Structure Wi (60 Deg)	None						84		
56	Structure Wi (90 Deg)	None						84		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De..	None						84		
58	Structure Wi (150 De..	None						84		
59	Structure Wi (180 De..	None						84		
60	Structure Wi (210 De..	None						84		
61	Structure Wi (240 De..	None						84		
62	Structure Wi (270 De..	None						84		
63	Structure Wi (300 De..	None						84		
64	Structure Wi (330 De..	None						84		
65	Structure Wm (0 Deg)	None						84		
66	Structure Wm (30 De...	None						84		
67	Structure Wm (60 De...	None						84		
68	Structure Wm (90 De...	None						84		
69	Structure Wm (120 D...	None						84		
70	Structure Wm (150 D...	None						84		
71	Structure Wm (180 D...	None						84		
72	Structure Wm (210 D...	None						84		
73	Structure Wm (240 D...	None						84		
74	Structure Wm (270 D...	None						84		
75	Structure Wm (300 D...	None						84		
76	Structure Wm (330 D..	None						84		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					42			
82	Antenna Eh (0 Deg)	None					28			
83	Antenna Eh (90 Deg)	None					28			
84	Structure Ev	ELY								
85	Structure Eh (0 Deg)	ELZ			-.03					
86	Structure Eh (90 Deg)	ELX	.03							

Load Combinations

	Description	Sol..	PD..	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								
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								

Load Combinations (Continued)

	Description	Sol..	PD..	SR..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..	BLC	Fact..
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	N1	-0.166667	0	0.166667	0	
2	N5	-0.166667	-3.416667	0.166667	0	
3	N10	-4.5	0	4.583333	0	
4	N11	4.166667	0	4.583333	0	
5	N11A	-6.666667	0	4.583333	0	
6	N12	6.333333	0	4.583333	0	
7	N14	-4.5	-3.416667	4.583333	0	
8	N15	4.166667	-3.416667	4.583333	0	
9	N16	-6.666667	-3.416667	4.583333	0	
10	N17	6.333333	-3.416667	4.583333	0	
11	N17A	-0.341752	0	0.345119	0	
12	N18	0.008419	0	0.345119	0	
13	N19	-0.341752	-3.416667	0.345119	0	
14	N20	0.008419	-3.416667	0.345119	0	
15	N21	0.38777	0	0.731765	0	
16	N22	0.38777	-3.416667	0.731765	0	
17	N23	2.08026	0	2.456803	0	
18	N24	2.08026	-3.416667	2.456803	0	
19	N25	3.77275	0	4.181841	0	
20	N26	3.77275	-3.416667	4.181841	0	
21	N27	0.38777	-3.291667	0.731765	0	
22	N28	2.08026	-3.291667	2.456803	0	
23	N29	0.38777	-.125	0.731765	0	
24	N30	2.08026	-.125	2.456803	0	
25	N31	3.77275	-3.083333	4.181841	0	
26	N32	3.77275	-0.333333	4.181841	0	
27	N33	-0.721103	0	0.731765	0	
28	N34	-0.721103	-3.416667	0.731765	0	
29	N35	-2.413593	0	2.456803	0	
30	N36	-2.413593	-3.416667	2.456803	0	
31	N37	-4.106083	0	4.181841	0	
32	N38	-4.106083	-3.416667	4.181841	0	
33	N39	-0.721103	-3.291667	0.731765	0	
34	N40	-2.413593	-3.291667	2.456803	0	
35	N41	-0.721103	-.125	0.731765	0	
36	N42	-2.413593	-.125	2.456803	0	
37	N43	-4.106083	-3.083333	4.181841	0	
38	N44	-4.106083	-0.333333	4.181841	0	
39	N57	5.958333	0	4.583333	0	
40	N58	5.958333	-3.416667	4.583333	0	
41	N59	5.958333	0	4.833333	0	
42	N60	5.958333	-3.416667	4.833333	0	
43	N61	5.958333	3.583333	4.833333	0	
44	N62	5.958333	-4.416667	4.833333	0	
45	N66A	3.77275	-1.416667	4.181841	0	
46	N49	0.708333	0	4.583333	0	
47	N50	0.708333	-3.416667	4.583333	0	
48	N51	0.708333	0	4.833333	0	
49	N52	0.708333	-3.416667	4.833333	0	
50	N53	0.708333	0.333333	4.833333	0	
51	N54	0.708333	-4.666667	4.833333	0	
52	N55	-2.958333	0	4.583333	0	
53	N56	-2.958333	-3.416667	4.583333	0	
54	N57A	-2.958333	0	4.833333	0	
55	N58A	-2.958333	-3.416667	4.833333	0	
56	N60A	-2.958333	-4.666667	4.833333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N61A	-6.375	0	4.583333	0	
58	N62A	-6.375	-3.416667	4.583333	0	
59	N63A	-6.375	0	4.833333	0	
60	N64	-6.375	-3.416667	4.833333	0	
61	N65A	-6.375	3.583333	4.833333	0	
62	N66	-6.375	-4.416667	4.833333	0	
63	N66B	-2.958333	0.333333	4.833333	0	
64	N67	-2.958333	-4.416667	4.833333	0	
65	N68	4.333333	0	-0.	0	
66	N68A	-2.958333	-.5	4.833333	0	
67	N69	-2.958333	-3	4.833333	0	
68	N70	-3.208333	-.5	4.833333	0	
69	N71	-3.208333	-3	4.833333	0	
70	N72	-2.708333	-.5	4.833333	0	
71	N73	-2.708333	-3	4.833333	0	
72	N74	-2.958333	-.5	5.5	0	
73	N75	-2.958333	-3	5.5	0	
74	N76	-3.208333	-.5	5.5	0	
75	N77	-3.208333	-3	5.5	0	
76	N78	-2.708333	-.5	5.5	0	
77	N79	-2.708333	-3	5.5	0	
78	N80	-2.958333	3.583333	5.5	0	
79	N81	-2.958333	-4.416667	5.5	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	P2.5	PIPE_2.5	Column	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Standoff Vertical	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
5	Standoff Diagonal	PIPE_1.5	Beam	Pipe	A53 Gr. B	Typical	.749	.293	.293	.586
6	Face Horizontal	PIPE_2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
7	Tie Back	PIPE_2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
8	Standoff Bar	PL3/8X3.5	Beam	RECT	A36 Gr.36	Typical	1.125	.013	.844	.049
9	Mount Angle	L4X3X6	Beam	Single Angle	A36 Gr.36	Typical	2.49	1.89	3.94	.123
10	Kickers	L2.5x2.5x3	Beam	Single Angle	A36 Gr.36	Typical	.901	.535	.535	.011
11	Threaded Rod	SR_0.625	Beam	Single Angle	A36 Gr.36	Typical	.307	.007	.007	.015

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Sha...	Type	Design List	Material	Design Rules
1	M5	N1	N17A		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
2	M6	N1	N18		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
3	M7	N11A	N12			Face Horizo...	Beam	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Sha...	Type	Design List	Material	Design Rules
4	M8	N5	N19		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
5	M9	N5	N20		90	Standoff Bar	Beam	RECT	A36 Gr.36	Typical
6	FACE	N16	N17			Face Horizo...	Beam	Pipe	A53 Gr. B	Typical
7	M11	N17A	N10			Standoff Ho...	Beam	Pipe	A53 Gr. B	Typical
8	M12	N18	N11			Standoff Ho...	Beam	Pipe	A53 Gr. B	Typical
9	M13	N19	N14			Standoff Ho...	Beam	Pipe	A53 Gr. B	Typical
10	M14	N20	N15			Standoff Ho...	Beam	Pipe	A53 Gr. B	Typical
11	M15	N21	N29	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
12	M16	N21	N24		90	Standoff Dia...	Beam	Pipe	A53 Gr. B	Typical
13	M17	N23	N30	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
14	M18	N23	N26		90	Standoff Dia...	Beam	Pipe	A53 Gr. B	Typical
15	M19	N26	N31	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
16	M20	N27	N22	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
17	M21	N28	N24	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
18	M22	N29	N27	N1		Standoff Dia...	Beam	Pipe	A53 Gr. B	Typical
19	M23	N30	N28	N1		Standoff Dia...	Beam	Pipe	A53 Gr. B	Typical
20	M24	N31	N32	N1		Standoff Ver...	Beam	Pipe	A53 Gr. B	Typical
21	M25	N32	N25	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
22	M26	N33	N41	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
23	M27	N33	N36		90	Standoff Dia...	Beam	Pipe	A53 Gr. B	Typical
24	M28	N35	N42	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
25	M29	N35	N38		90	Standoff Dia...	Beam	Pipe	A53 Gr. B	Typical
26	M30	N38	N43	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
27	M31	N39	N34	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
28	M32	N40	N36	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
29	M33	N41	N39	N1		Standoff Dia...	Beam	Pipe	A53 Gr. B	Typical
30	M34	N42	N40	N1		Standoff Dia...	Beam	Pipe	A53 Gr. B	Typical
31	M35	N43	N44	N1		Standoff Ver...	Beam	Pipe	A53 Gr. B	Typical
32	M36	N44	N37	N1		Standoff Bar	Beam	RECT	A36 Gr.36	Typical
33	M43	N57	N59			RIGID	None	None	RIGID	Typical
34	LIVE2	N58	N60			RIGID	None	None	RIGID	Typical
35	MP1A	N61	N62			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
36	M46	N66A	N68			Tie Back	Beam	Pipe	A53 Gr. B	Typical
37	M39	N49	N51			RIGID	None	None	RIGID	Typical
38	M40	N50	N52			RIGID	None	None	RIGID	Typical
39	MP2A	N53	N54			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
40	M42	N55	N57A			RIGID	None	None	RIGID	Typical
41	LIUVE1	N56	N58A			RIGID	None	None	RIGID	Typical
42	M45	N61A	N63A			RIGID	None	None	RIGID	Typical
43	M46B	N62A	N64			RIGID	None	None	RIGID	Typical
44	MP4A	N65A	N66			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
45	MP3	N66B	N67			Antenna Pipe	Column	Pipe	A53 Gr. B	Typical
46	M48	N68A	N70			RIGID	None	None	RIGID	Typical
47	M49	N68A	N72			RIGID	None	None	RIGID	Typical
48	M50	N69	N71			RIGID	None	None	RIGID	Typical
49	M51	N69	N73			RIGID	None	None	RIGID	Typical
50	M52	N74	N76			RIGID	None	None	RIGID	Typical
51	M53	N74	N78			RIGID	None	None	RIGID	Typical
52	M54	N75	N77			RIGID	None	None	RIGID	Typical
53	M55	N75	N79			RIGID	None	None	RIGID	Typical
54	M56	N72	N78			Threaded R...	Beam	Single Angle	A36 Gr.36	Typical
55	M57	N70	N76			Threaded R...	Beam	Single Angle	A36 Gr.36	Typical
56	M58	N73	N79			Threaded R...	Beam	Single Angle	A36 Gr.36	Typical
57	M59	N71	N77			Threaded R...	Beam	Single Angle	A36 Gr.36	Typical
58	MP3A	N80	N81			P2.5	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	M5						Yes	Default			None
2	M6						Yes	Default			None
3	M7						Yes				None
4	M8						Yes	Default			None
5	M9						Yes	Default			None
6	FACE						Yes				None
7	M11						Yes				None
8	M12						Yes				None
9	M13						Yes				None
10	M14						Yes				None
11	M15	OOOOOX					Yes				None
12	M16	BenPIN	BenPIN				Yes	Default			None
13	M17	OOOOOX					Yes				None
14	M18	BenPIN	BenPIN				Yes	Default			None
15	M19	OOOOOX					Yes				None
16	M20		OOOOOO				Yes				None
17	M21		OOOOOO				Yes				None
18	M22						Yes				None
19	M23						Yes				None
20	M24						Yes				None
21	M25		OOOOOO				Yes	Default			None
22	M26	OOOOOX					Yes				None
23	M27	BenPIN	BenPIN				Yes				None
24	M28	OOOOOX					Yes				None
25	M29	BenPIN	BenPIN				Yes	Default			None
26	M30	OOOOOX					Yes				None
27	M31		OOOOOO				Yes				None
28	M32		OOOOOO				Yes				None
29	M33						Yes				None
30	M34						Yes				None
31	M35						Yes				None
32	M36		OOOOOO				Yes				None
33	M43						Yes	** NA **			None
34	LIVE2						Yes	** NA **			None
35	MP1A						Yes	** NA **			None
36	M46	OOOOXO					Yes	Default			None
37	M39						Yes	** NA **			None
38	M40						Yes	** NA **			None
39	MP2A						Yes	** NA **			None
40	M42						Yes	** NA **			None
41	LIUVE1						Yes	** NA **			None
42	M45						Yes	** NA **			None
43	M46B						Yes	** NA **			None
44	MP4A						Yes	** NA **			None
45	MP3						Yes	** NA **			None
46	M48						Yes	** NA **			None
47	M49						Yes	** NA **			None
48	M50						Yes	** NA **			None
49	M51						Yes	** NA **			None
50	M52						Yes	** NA **			None
51	M53						Yes	** NA **			None
52	M54						Yes	** NA **			None
53	M55						Yes				None
54	M56						Yes				None
55	M57						Yes				None
56	M58						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
57	M59						Yes				None
58	MP3A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-70.3	2
2	MP3A	My	.045	2
3	MP3A	Mz	-.038	2
4	MP3	Y	-8.8	1.75
5	MP3	My	.005	1.75
6	MP3	Mz	-.008	1.75
7	MP3	Y	-8.8	2.75
8	MP3	My	.005	2.75
9	MP3	Mz	-.008	2.75
10	MP3	Y	-8.8	1.75
11	MP3	My	.009	1.75
12	MP3	Mz	-.003	1.75
13	MP3	Y	-8.8	2.75
14	MP3	My	.009	2.75
15	MP3	Mz	-.003	2.75
16	MP3A	Y	-21.85	2
17	MP3A	My	-.017	2
18	MP3A	Mz	-.003	2
19	MP3A	Y	-21.85	7
20	MP3A	My	-.017	7
21	MP3A	Mz	-.003	7
22	MP3A	Y	-21.85	2
23	MP3A	My	-.000176	2
24	MP3A	Mz	.017	2
25	MP3A	Y	-21.85	7
26	MP3A	My	-.000176	7
27	MP3A	Mz	.017	7
28	MP1A	Y	-43.55	3.5
29	MP1A	My	-.017	3.5
30	MP1A	Mz	.014	3.5
31	MP1A	Y	-43.55	5.5
32	MP1A	My	-.017	5.5
33	MP1A	Mz	.014	5.5
34	MP2A	Y	-74.7	2
35	MP2A	My	.029	2
36	MP2A	Mz	-.024	2
37	MP4A	Y	-22.95	2
38	MP4A	My	-.011	2
39	MP4A	Mz	0	2
40	MP4A	Y	-22.95	7
41	MP4A	My	-.011	7
42	MP4A	Mz	0	7

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-46.774	2
2	MP3A	My	.03	2
3	MP3A	Mz	-.025	2
4	MP3	Y	-9.552	1.75
5	MP3	My	.005	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3	Mz	-.009	1.75
7	MP3	Y	-9.552	2.75
8	MP3	My	.005	2.75
9	MP3	Mz	-.009	2.75
10	MP3	Y	-9.552	1.75
11	MP3	My	.009	1.75
12	MP3	Mz	-.004	1.75
13	MP3	Y	-9.552	2.75
14	MP3	My	.009	2.75
15	MP3	Mz	-.004	2.75
16	MP3A	Y	-66.154	2
17	MP3A	My	-.05	2
18	MP3A	Mz	-.008	2
19	MP3A	Y	-66.154	7
20	MP3A	My	-.05	7
21	MP3A	Mz	-.008	7
22	MP3A	Y	-66.154	2
23	MP3A	My	-.000533	2
24	MP3A	Mz	.051	2
25	MP3A	Y	-66.154	7
26	MP3A	My	-.000533	7
27	MP3A	Mz	.051	7
28	MP1A	Y	-38.894	3.5
29	MP1A	My	-.015	3.5
30	MP1A	Mz	.013	3.5
31	MP1A	Y	-38.894	5.5
32	MP1A	My	-.015	5.5
33	MP1A	Mz	.013	5.5
34	MP2A	Y	-49.102	2
35	MP2A	My	.019	2
36	MP2A	Mz	-.016	2
37	MP4A	Y	-73.424	2
38	MP4A	My	-.037	2
39	MP4A	Mz	0	2
40	MP4A	Y	-73.424	7
41	MP4A	My	-.037	7
42	MP4A	Mz	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	-59.246	2
3	MP3A	Mx	.032	2
4	MP3	X	0	1.75
5	MP3	Z	-21.937	1.75
6	MP3	Mx	.02	1.75
7	MP3	X	0	2.75
8	MP3	Z	-21.937	2.75
9	MP3	Mx	.02	2.75
10	MP3	X	0	1.75
11	MP3	Z	-21.937	1.75
12	MP3	Mx	.008	1.75
13	MP3	X	0	2.75
14	MP3	Z	-21.937	2.75
15	MP3	Mx	.008	2.75
16	MP3A	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3A	Z	-94.784	2
18	MP3A	Mx	.012	2
19	MP3A	X	0	7
20	MP3A	Z	-94.784	7
21	MP3A	Mx	.012	7
22	MP3A	X	0	2
23	MP3A	Z	-94.784	2
24	MP3A	Mx	-.073	2
25	MP3A	X	0	7
26	MP3A	Z	-94.784	7
27	MP3A	Mx	-.073	7
28	MP1A	X	0	3.5
29	MP1A	Z	-65.231	3.5
30	MP1A	Mx	-.021	3.5
31	MP1A	X	0	5.5
32	MP1A	Z	-65.231	5.5
33	MP1A	Mx	-.021	5.5
34	MP2A	X	0	2
35	MP2A	Z	-61.132	2
36	MP2A	Mx	.02	2
37	MP4A	X	0	2
38	MP4A	Z	-210.655	2
39	MP4A	Mx	0	2
40	MP4A	X	0	7
41	MP4A	Z	-210.655	7
42	MP4A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	23.082	2
2	MP3A	Z	-39.979	2
3	MP3A	Mx	.036	2
4	MP3	X	10.984	1.75
5	MP3	Z	-19.024	1.75
6	MP3	Mx	.023	1.75
7	MP3	X	10.984	2.75
8	MP3	Z	-19.024	2.75
9	MP3	Mx	.023	2.75
10	MP3	X	10.984	1.75
11	MP3	Z	-19.024	1.75
12	MP3	Mx	.018	1.75
13	MP3	X	10.984	2.75
14	MP3	Z	-19.024	2.75
15	MP3	Mx	.018	2.75
16	MP3A	X	30.756	2
17	MP3A	Z	-53.27	2
18	MP3A	Mx	-.017	2
19	MP3A	X	30.756	7
20	MP3A	Z	-53.27	7
21	MP3A	Mx	-.017	7
22	MP3A	X	30.756	2
23	MP3A	Z	-53.27	2
24	MP3A	Mx	-.041	2
25	MP3A	X	30.756	7
26	MP3A	Z	-53.27	7
27	MP3A	Mx	-.041	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP1A	X	18.836	3.5
29	MP1A	Z	-32.625	3.5
30	MP1A	Mx	-.018	3.5
31	MP1A	X	18.836	5.5
32	MP1A	Z	-32.625	5.5
33	MP1A	Mx	-.018	5.5
34	MP2A	X	25.097	2
35	MP2A	Z	-43.47	2
36	MP2A	Mx	.024	2
37	MP4A	X	96.512	2
38	MP4A	Z	-167.164	2
39	MP4A	Mx	-.048	2
40	MP4A	X	96.512	7
41	MP4A	Z	-167.164	7
42	MP4A	Mx	-.048	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	37.886	2
2	MP3A	Z	-21.873	2
3	MP3A	Mx	.036	2
4	MP3	X	19.029	1.75
5	MP3	Z	-10.986	1.75
6	MP3	Mx	.02	1.75
7	MP3	X	19.029	2.75
8	MP3	Z	-10.986	2.75
9	MP3	Mx	.02	2.75
10	MP3	X	19.029	1.75
11	MP3	Z	-10.986	1.75
12	MP3	Mx	.023	1.75
13	MP3	X	19.029	2.75
14	MP3	Z	-10.986	2.75
15	MP3	Mx	.023	2.75
16	MP3A	X	47.945	2
17	MP3A	Z	-27.681	2
18	MP3A	Mx	-.033	2
19	MP3A	X	47.945	7
20	MP3A	Z	-27.681	7
21	MP3A	Mx	-.033	7
22	MP3A	X	47.945	2
23	MP3A	Z	-27.681	2
24	MP3A	Mx	-.022	2
25	MP3A	X	47.945	7
26	MP3A	Z	-27.681	7
27	MP3A	Mx	-.022	7
28	MP1A	X	28.215	3.5
29	MP1A	Z	-16.29	3.5
30	MP1A	Mx	-.016	3.5
31	MP1A	X	28.215	5.5
32	MP1A	Z	-16.29	5.5
33	MP1A	Mx	-.016	5.5
34	MP2A	X	41.719	2
35	MP2A	Z	-24.087	2
36	MP2A	Mx	.024	2
37	MP4A	X	136.629	2
38	MP4A	Z	-78.883	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	-.068	2
40	MP4A	X	136.629	7
41	MP4A	Z	-78.883	7
42	MP4A	Mx	-.068	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	54.411	2
2	MP3A	Z	0	2
3	MP3A	Mx	.035	2
4	MP3	X	21.948	1.75
5	MP3	Z	0	1.75
6	MP3	Mx	.012	1.75
7	MP3	X	21.948	2.75
8	MP3	Z	0	2.75
9	MP3	Mx	.012	2.75
10	MP3	X	21.948	1.75
11	MP3	Z	0	1.75
12	MP3	Mx	.022	1.75
13	MP3	X	21.948	2.75
14	MP3	Z	0	2.75
15	MP3	Mx	.022	2.75
16	MP3A	X	82.487	2
17	MP3A	Z	0	2
18	MP3A	Mx	-.063	2
19	MP3A	X	82.487	7
20	MP3A	Z	0	7
21	MP3A	Mx	-.063	7
22	MP3A	X	82.487	2
23	MP3A	Z	0	2
24	MP3A	Mx	-.000665	2
25	MP3A	X	82.487	7
26	MP3A	Z	0	7
27	MP3A	Mx	-.000665	7
28	MP1A	X	55.045	3.5
29	MP1A	Z	0	3.5
30	MP1A	Mx	-.021	3.5
31	MP1A	X	55.045	5.5
32	MP1A	Z	0	5.5
33	MP1A	Mx	-.021	5.5
34	MP2A	X	57.09	2
35	MP2A	Z	0	2
36	MP2A	Mx	.022	2
37	MP4A	X	140.136	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.07	2
40	MP4A	X	140.136	7
41	MP4A	Z	0	7
42	MP4A	Mx	-.07	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	58.451	2
2	MP3A	Z	33.747	2
3	MP3A	Mx	.019	2
4	MP3	X	18.981	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3	Z	10.959	1.75
6	MP3	Mx	.000631	1.75
7	MP3	X	18.981	2.75
8	MP3	Z	10.959	2.75
9	MP3	Mx	.000631	2.75
10	MP3	X	18.981	1.75
11	MP3	Z	10.959	1.75
12	MP3	Mx	.014	1.75
13	MP3	X	18.981	2.75
14	MP3	Z	10.959	2.75
15	MP3	Mx	.014	2.75
16	MP3A	X	100.251	2
17	MP3A	Z	57.88	2
18	MP3A	Mx	-.083	2
19	MP3A	X	100.251	7
20	MP3A	Z	57.88	7
21	MP3A	Mx	-.083	7
22	MP3A	X	100.251	2
23	MP3A	Z	57.88	2
24	MP3A	Mx	.044	2
25	MP3A	X	100.251	7
26	MP3A	Z	57.88	7
27	MP3A	Mx	.044	7
28	MP1A	X	71.537	3.5
29	MP1A	Z	41.302	3.5
30	MP1A	Mx	-.014	3.5
31	MP1A	X	71.537	5.5
32	MP1A	Z	41.302	5.5
33	MP1A	Mx	-.014	5.5
34	MP2A	X	58.914	2
35	MP2A	Z	34.014	2
36	MP2A	Mx	.012	2
37	MP4A	X	136.629	2
38	MP4A	Z	78.883	2
39	MP4A	Mx	-.068	2
40	MP4A	X	136.629	7
41	MP4A	Z	78.883	7
42	MP4A	Mx	-.068	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	34.956	2
2	MP3A	Z	60.545	2
3	MP3A	Mx	-.01	2
4	MP3	X	10.956	1.75
5	MP3	Z	18.976	1.75
6	MP3	Mx	-.011	1.75
7	MP3	X	10.956	2.75
8	MP3	Z	18.976	2.75
9	MP3	Mx	-.011	2.75
10	MP3	X	10.956	1.75
11	MP3	Z	18.976	1.75
12	MP3	Mx	.003	1.75
13	MP3	X	10.956	2.75
14	MP3	Z	18.976	2.75
15	MP3	Mx	.003	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3A	X	60.954	2
17	MP3A	Z	105.576	2
18	MP3A	Mx	-.059	2
19	MP3A	X	60.954	7
20	MP3A	Z	105.576	7
21	MP3A	Mx	-.059	7
22	MP3A	X	60.954	2
23	MP3A	Z	105.576	2
24	MP3A	Mx	.081	2
25	MP3A	X	60.954	7
26	MP3A	Z	105.576	7
27	MP3A	Mx	.081	7
28	MP1A	X	43.848	3.5
29	MP1A	Z	75.948	3.5
30	MP1A	Mx	.008	3.5
31	MP1A	X	43.848	5.5
32	MP1A	Z	75.948	5.5
33	MP1A	Mx	.008	5.5
34	MP2A	X	35.024	2
35	MP2A	Z	60.664	2
36	MP2A	Mx	-.006	2
37	MP4A	X	96.512	2
38	MP4A	Z	167.164	2
39	MP4A	Mx	-.048	2
40	MP4A	X	96.512	7
41	MP4A	Z	167.164	7
42	MP4A	Mx	-.048	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	59.246	2
3	MP3A	Mx	-.032	2
4	MP3	X	0	1.75
5	MP3	Z	21.937	1.75
6	MP3	Mx	-.02	1.75
7	MP3	X	0	2.75
8	MP3	Z	21.937	2.75
9	MP3	Mx	-.02	2.75
10	MP3	X	0	1.75
11	MP3	Z	21.937	1.75
12	MP3	Mx	-.008	1.75
13	MP3	X	0	2.75
14	MP3	Z	21.937	2.75
15	MP3	Mx	-.008	2.75
16	MP3A	X	0	2
17	MP3A	Z	94.784	2
18	MP3A	Mx	-.012	2
19	MP3A	X	0	7
20	MP3A	Z	94.784	7
21	MP3A	Mx	-.012	7
22	MP3A	X	0	2
23	MP3A	Z	94.784	2
24	MP3A	Mx	.073	2
25	MP3A	X	0	7
26	MP3A	Z	94.784	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3A	Mx	.073	7
28	MP1A	X	0	3.5
29	MP1A	Z	65.231	3.5
30	MP1A	Mx	.021	3.5
31	MP1A	X	0	5.5
32	MP1A	Z	65.231	5.5
33	MP1A	Mx	.021	5.5
34	MP2A	X	0	2
35	MP2A	Z	61.132	2
36	MP2A	Mx	-.02	2
37	MP4A	X	0	2
38	MP4A	Z	210.655	2
39	MP4A	Mx	0	2
40	MP4A	X	0	7
41	MP4A	Z	210.655	7
42	MP4A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-23.082	2
2	MP3A	Z	39.979	2
3	MP3A	Mx	-.036	2
4	MP3	X	-10.984	1.75
5	MP3	Z	19.024	1.75
6	MP3	Mx	-.023	1.75
7	MP3	X	-10.984	2.75
8	MP3	Z	19.024	2.75
9	MP3	Mx	-.023	2.75
10	MP3	X	-10.984	1.75
11	MP3	Z	19.024	1.75
12	MP3	Mx	-.018	1.75
13	MP3	X	-10.984	2.75
14	MP3	Z	19.024	2.75
15	MP3	Mx	-.018	2.75
16	MP3A	X	-30.756	2
17	MP3A	Z	53.27	2
18	MP3A	Mx	.017	2
19	MP3A	X	-30.756	7
20	MP3A	Z	53.27	7
21	MP3A	Mx	.017	7
22	MP3A	X	-30.756	2
23	MP3A	Z	53.27	2
24	MP3A	Mx	.041	2
25	MP3A	X	-30.756	7
26	MP3A	Z	53.27	7
27	MP3A	Mx	.041	7
28	MP1A	X	-18.836	3.5
29	MP1A	Z	32.625	3.5
30	MP1A	Mx	.018	3.5
31	MP1A	X	-18.836	5.5
32	MP1A	Z	32.625	5.5
33	MP1A	Mx	.018	5.5
34	MP2A	X	-25.097	2
35	MP2A	Z	43.47	2
36	MP2A	Mx	-.024	2
37	MP4A	X	-96.512	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP4A	Z	167.164	2
39	MP4A	Mx	.048	2
40	MP4A	X	-96.512	7
41	MP4A	Z	167.164	7
42	MP4A	Mx	.048	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-37.886	2
2	MP3A	Z	21.873	2
3	MP3A	Mx	-.036	2
4	MP3	X	-19.029	1.75
5	MP3	Z	10.986	1.75
6	MP3	Mx	-.02	1.75
7	MP3	X	-19.029	2.75
8	MP3	Z	10.986	2.75
9	MP3	Mx	-.02	2.75
10	MP3	X	-19.029	1.75
11	MP3	Z	10.986	1.75
12	MP3	Mx	-.023	1.75
13	MP3	X	-19.029	2.75
14	MP3	Z	10.986	2.75
15	MP3	Mx	-.023	2.75
16	MP3A	X	-47.945	2
17	MP3A	Z	27.681	2
18	MP3A	Mx	.033	2
19	MP3A	X	-47.945	7
20	MP3A	Z	27.681	7
21	MP3A	Mx	.033	7
22	MP3A	X	-47.945	2
23	MP3A	Z	27.681	2
24	MP3A	Mx	.022	2
25	MP3A	X	-47.945	7
26	MP3A	Z	27.681	7
27	MP3A	Mx	.022	7
28	MP1A	X	-28.215	3.5
29	MP1A	Z	16.29	3.5
30	MP1A	Mx	.016	3.5
31	MP1A	X	-28.215	5.5
32	MP1A	Z	16.29	5.5
33	MP1A	Mx	.016	5.5
34	MP2A	X	-41.719	2
35	MP2A	Z	24.087	2
36	MP2A	Mx	-.024	2
37	MP4A	X	-136.629	2
38	MP4A	Z	78.883	2
39	MP4A	Mx	.068	2
40	MP4A	X	-136.629	7
41	MP4A	Z	78.883	7
42	MP4A	Mx	.068	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-54.411	2
2	MP3A	Z	0	2
3	MP3A	Mx	-.035	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP3	X	-21.948	1.75
5	MP3	Z	0	1.75
6	MP3	Mx	-.012	1.75
7	MP3	X	-21.948	2.75
8	MP3	Z	0	2.75
9	MP3	Mx	-.012	2.75
10	MP3	X	-21.948	1.75
11	MP3	Z	0	1.75
12	MP3	Mx	-.022	1.75
13	MP3	X	-21.948	2.75
14	MP3	Z	0	2.75
15	MP3	Mx	-.022	2.75
16	MP3A	X	-82.487	2
17	MP3A	Z	0	2
18	MP3A	Mx	.063	2
19	MP3A	X	-82.487	7
20	MP3A	Z	0	7
21	MP3A	Mx	.063	7
22	MP3A	X	-82.487	2
23	MP3A	Z	0	2
24	MP3A	Mx	.000665	2
25	MP3A	X	-82.487	7
26	MP3A	Z	0	7
27	MP3A	Mx	.000665	7
28	MP1A	X	-55.045	3.5
29	MP1A	Z	0	3.5
30	MP1A	Mx	.021	3.5
31	MP1A	X	-55.045	5.5
32	MP1A	Z	0	5.5
33	MP1A	Mx	.021	5.5
34	MP2A	X	-57.09	2
35	MP2A	Z	0	2
36	MP2A	Mx	-.022	2
37	MP4A	X	-140.136	2
38	MP4A	Z	0	2
39	MP4A	Mx	.07	2
40	MP4A	X	-140.136	7
41	MP4A	Z	0	7
42	MP4A	Mx	.07	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-58.451	2
2	MP3A	Z	-33.747	2
3	MP3A	Mx	-.019	2
4	MP3	X	-18.981	1.75
5	MP3	Z	-10.959	1.75
6	MP3	Mx	-.000631	1.75
7	MP3	X	-18.981	2.75
8	MP3	Z	-10.959	2.75
9	MP3	Mx	-.000631	2.75
10	MP3	X	-18.981	1.75
11	MP3	Z	-10.959	1.75
12	MP3	Mx	-.014	1.75
13	MP3	X	-18.981	2.75
14	MP3	Z	-10.959	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3	Mx	-.014	2.75
16	MP3A	X	-100.251	2
17	MP3A	Z	-57.88	2
18	MP3A	Mx	.083	2
19	MP3A	X	-100.251	7
20	MP3A	Z	-57.88	7
21	MP3A	Mx	.083	7
22	MP3A	X	-100.251	2
23	MP3A	Z	-57.88	2
24	MP3A	Mx	-.044	2
25	MP3A	X	-100.251	7
26	MP3A	Z	-57.88	7
27	MP3A	Mx	-.044	7
28	MP1A	X	-71.537	3.5
29	MP1A	Z	-41.302	3.5
30	MP1A	Mx	.014	3.5
31	MP1A	X	-71.537	5.5
32	MP1A	Z	-41.302	5.5
33	MP1A	Mx	.014	5.5
34	MP2A	X	-58.914	2
35	MP2A	Z	-34.014	2
36	MP2A	Mx	-.012	2
37	MP4A	X	-136.629	2
38	MP4A	Z	-78.883	2
39	MP4A	Mx	.068	2
40	MP4A	X	-136.629	7
41	MP4A	Z	-78.883	7
42	MP4A	Mx	.068	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-34.956	2
2	MP3A	Z	-60.545	2
3	MP3A	Mx	.01	2
4	MP3	X	-10.956	1.75
5	MP3	Z	-18.976	1.75
6	MP3	Mx	.011	1.75
7	MP3	X	-10.956	2.75
8	MP3	Z	-18.976	2.75
9	MP3	Mx	.011	2.75
10	MP3	X	-10.956	1.75
11	MP3	Z	-18.976	1.75
12	MP3	Mx	-.003	1.75
13	MP3	X	-10.956	2.75
14	MP3	Z	-18.976	2.75
15	MP3	Mx	-.003	2.75
16	MP3A	X	-60.954	2
17	MP3A	Z	-105.576	2
18	MP3A	Mx	.059	2
19	MP3A	X	-60.954	7
20	MP3A	Z	-105.576	7
21	MP3A	Mx	.059	7
22	MP3A	X	-60.954	2
23	MP3A	Z	-105.576	2
24	MP3A	Mx	-.081	2
25	MP3A	X	-60.954	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3A	Z	-105.576	7
27	MP3A	Mx	-.081	7
28	MP1A	X	-43.848	3.5
29	MP1A	Z	-75.948	3.5
30	MP1A	Mx	-.008	3.5
31	MP1A	X	-43.848	5.5
32	MP1A	Z	-75.948	5.5
33	MP1A	Mx	-.008	5.5
34	MP2A	X	-35.024	2
35	MP2A	Z	-60.664	2
36	MP2A	Mx	.006	2
37	MP4A	X	-96.512	2
38	MP4A	Z	-167.164	2
39	MP4A	Mx	.048	2
40	MP4A	X	-96.512	7
41	MP4A	Z	-167.164	7
42	MP4A	Mx	.048	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	-14.133	2
3	MP3A	Mx	.008	2
4	MP3	X	0	1.75
5	MP3	Z	-2.922	1.75
6	MP3	Mx	.003	1.75
7	MP3	X	0	2.75
8	MP3	Z	-2.922	2.75
9	MP3	Mx	.003	2.75
10	MP3	X	0	1.75
11	MP3	Z	-2.922	1.75
12	MP3	Mx	.001	1.75
13	MP3	X	0	2.75
14	MP3	Z	-2.922	2.75
15	MP3	Mx	.001	2.75
16	MP3A	X	0	2
17	MP3A	Z	-28.661	2
18	MP3A	Mx	.004	2
19	MP3A	X	0	7
20	MP3A	Z	-28.661	7
21	MP3A	Mx	.004	7
22	MP3A	X	0	2
23	MP3A	Z	-28.661	2
24	MP3A	Mx	-.022	2
25	MP3A	X	0	7
26	MP3A	Z	-28.661	7
27	MP3A	Mx	-.022	7
28	MP1A	X	0	3.5
29	MP1A	Z	-14.958	3.5
30	MP1A	Mx	-.005	3.5
31	MP1A	X	0	5.5
32	MP1A	Z	-14.958	5.5
33	MP1A	Mx	-.005	5.5
34	MP2A	X	0	2
35	MP2A	Z	-14.506	2
36	MP2A	Mx	.005	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP4A	X	0	2
38	MP4A	Z	-37.372	2
39	MP4A	Mx	0	2
40	MP4A	X	0	7
41	MP4A	Z	-37.372	7
42	MP4A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	5.678	2
2	MP3A	Z	-9.835	2
3	MP3A	Mx	.009	2
4	MP3	X	2.125	1.75
5	MP3	Z	-3.68	1.75
6	MP3	Mx	.004	1.75
7	MP3	X	2.125	2.75
8	MP3	Z	-3.68	2.75
9	MP3	Mx	.004	2.75
10	MP3	X	2.125	1.75
11	MP3	Z	-3.68	1.75
12	MP3	Mx	.004	1.75
13	MP3	X	2.125	2.75
14	MP3	Z	-3.68	2.75
15	MP3	Mx	.004	2.75
16	MP3A	X	11.953	2
17	MP3A	Z	-20.703	2
18	MP3A	Mx	-.006	2
19	MP3A	X	11.953	7
20	MP3A	Z	-20.703	7
21	MP3A	Mx	-.006	7
22	MP3A	X	11.953	2
23	MP3A	Z	-20.703	2
24	MP3A	Mx	-.016	2
25	MP3A	X	11.953	7
26	MP3A	Z	-20.703	7
27	MP3A	Mx	-.016	7
28	MP1A	X	4.853	3.5
29	MP1A	Z	-8.405	3.5
30	MP1A	Mx	-.005	3.5
31	MP1A	X	4.853	5.5
32	MP1A	Z	-8.405	5.5
33	MP1A	Mx	-.005	5.5
34	MP2A	X	6.076	2
35	MP2A	Z	-10.525	2
36	MP2A	Mx	.006	2
37	MP4A	X	17.252	2
38	MP4A	Z	-29.881	2
39	MP4A	Mx	-.009	2
40	MP4A	X	17.252	7
41	MP4A	Z	-29.881	7
42	MP4A	Mx	-.009	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.391	2
2	MP3A	Z	-5.422	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	.009	2
4	MP3	X	3.892	1.75
5	MP3	Z	-2.247	1.75
6	MP3	Mx	.004	1.75
7	MP3	X	3.892	2.75
8	MP3	Z	-2.247	2.75
9	MP3	Mx	.004	2.75
10	MP3	X	3.892	1.75
11	MP3	Z	-2.247	1.75
12	MP3	Mx	.005	1.75
13	MP3	X	3.892	2.75
14	MP3	Z	-2.247	2.75
15	MP3	Mx	.005	2.75
16	MP3A	X	19.942	2
17	MP3A	Z	-11.514	2
18	MP3A	Mx	-.014	2
19	MP3A	X	19.942	7
20	MP3A	Z	-11.514	7
21	MP3A	Mx	-.014	7
22	MP3A	X	19.942	2
23	MP3A	Z	-11.514	2
24	MP3A	Mx	-.009	2
25	MP3A	X	19.942	7
26	MP3A	Z	-11.514	7
27	MP3A	Mx	-.009	7
28	MP1A	X	7.564	3.5
29	MP1A	Z	-4.367	3.5
30	MP1A	Mx	-.004	3.5
31	MP1A	X	7.564	5.5
32	MP1A	Z	-4.367	5.5
33	MP1A	Mx	-.004	5.5
34	MP2A	X	10.148	2
35	MP2A	Z	-5.859	2
36	MP2A	Mx	.006	2
37	MP4A	X	24.913	2
38	MP4A	Z	-14.384	2
39	MP4A	Mx	-.012	2
40	MP4A	X	24.913	7
41	MP4A	Z	-14.384	7
42	MP4A	Mx	-.012	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	13.107	2
2	MP3A	Z	0	2
3	MP3A	Mx	.008	2
4	MP3	X	3.412	1.75
5	MP3	Z	0	1.75
6	MP3	Mx	.002	1.75
7	MP3	X	3.412	2.75
8	MP3	Z	0	2.75
9	MP3	Mx	.002	2.75
10	MP3	X	3.412	1.75
11	MP3	Z	0	1.75
12	MP3	Mx	.003	1.75
13	MP3	X	3.412	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3	Z	0	2.75
15	MP3	Mx	.003	2.75
16	MP3A	X	26.903	2
17	MP3A	Z	0	2
18	MP3A	Mx	-.02	2
19	MP3A	X	26.903	7
20	MP3A	Z	0	7
21	MP3A	Mx	-.02	7
22	MP3A	X	26.903	2
23	MP3A	Z	0	2
24	MP3A	Mx	-.000217	2
25	MP3A	X	26.903	7
26	MP3A	Z	0	7
27	MP3A	Mx	-.000217	7
28	MP1A	X	13.017	3.5
29	MP1A	Z	0	3.5
30	MP1A	Mx	-.005	3.5
31	MP1A	X	13.017	5.5
32	MP1A	Z	0	5.5
33	MP1A	Mx	-.005	5.5
34	MP2A	X	13.636	2
35	MP2A	Z	0	2
36	MP2A	Mx	.005	2
37	MP4A	X	25.899	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.013	2
40	MP4A	X	25.899	7
41	MP4A	Z	0	7
42	MP4A	Mx	-.013	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	13.756	2
2	MP3A	Z	7.942	2
3	MP3A	Mx	.005	2
4	MP3	X	1.806	1.75
5	MP3	Z	1.043	1.75
6	MP3	Mx	6e-5	1.75
7	MP3	X	1.806	2.75
8	MP3	Z	1.043	2.75
9	MP3	Mx	6e-5	2.75
10	MP3	X	1.806	1.75
11	MP3	Z	1.043	1.75
12	MP3	Mx	.001	1.75
13	MP3	X	1.806	2.75
14	MP3	Z	1.043	2.75
15	MP3	Mx	.001	2.75
16	MP3A	X	27.417	2
17	MP3A	Z	15.829	2
18	MP3A	Mx	-.023	2
19	MP3A	X	27.417	7
20	MP3A	Z	15.829	7
21	MP3A	Mx	-.023	7
22	MP3A	X	27.417	2
23	MP3A	Z	15.829	2
24	MP3A	Mx	.012	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3A	X	27.417	7
26	MP3A	Z	15.829	7
27	MP3A	Mx	.012	7
28	MP1A	X	15.822	3.5
29	MP1A	Z	9.135	3.5
30	MP1A	Mx	-.003	3.5
31	MP1A	X	15.822	5.5
32	MP1A	Z	9.135	5.5
33	MP1A	Mx	-.003	5.5
34	MP2A	X	13.847	2
35	MP2A	Z	7.995	2
36	MP2A	Mx	.003	2
37	MP4A	X	24.913	2
38	MP4A	Z	14.384	2
39	MP4A	Mx	-.012	2
40	MP4A	X	24.913	7
41	MP4A	Z	14.384	7
42	MP4A	Mx	-.012	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	8.198	2
2	MP3A	Z	14.2	2
3	MP3A	Mx	-.002	2
4	MP3	X	.92	1.75
5	MP3	Z	1.593	1.75
6	MP3	Mx	-.000923	1.75
7	MP3	X	.92	2.75
8	MP3	Z	1.593	2.75
9	MP3	Mx	-.000923	2.75
10	MP3	X	.92	1.75
11	MP3	Z	1.593	1.75
12	MP3	Mx	.000285	1.75
13	MP3	X	.92	2.75
14	MP3	Z	1.593	2.75
15	MP3	Mx	.000285	2.75
16	MP3A	X	16.269	2
17	MP3A	Z	28.178	2
18	MP3A	Mx	-.016	2
19	MP3A	X	16.269	7
20	MP3A	Z	28.178	7
21	MP3A	Mx	-.016	7
22	MP3A	X	16.269	2
23	MP3A	Z	28.178	2
24	MP3A	Mx	.022	2
25	MP3A	X	16.269	7
26	MP3A	Z	28.178	7
27	MP3A	Mx	.022	7
28	MP1A	X	9.62	3.5
29	MP1A	Z	16.662	3.5
30	MP1A	Mx	.002	3.5
31	MP1A	X	9.62	5.5
32	MP1A	Z	16.662	5.5
33	MP1A	Mx	.002	5.5
34	MP2A	X	8.212	2
35	MP2A	Z	14.223	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2A	Mx	-.001	2
37	MP4A	X	17.252	2
38	MP4A	Z	29.881	2
39	MP4A	Mx	-.009	2
40	MP4A	X	17.252	7
41	MP4A	Z	29.881	7
42	MP4A	Mx	-.009	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	14.133	2
3	MP3A	Mx	-.008	2
4	MP3	X	0	1.75
5	MP3	Z	2.922	1.75
6	MP3	Mx	-.003	1.75
7	MP3	X	0	2.75
8	MP3	Z	2.922	2.75
9	MP3	Mx	-.003	2.75
10	MP3	X	0	1.75
11	MP3	Z	2.922	1.75
12	MP3	Mx	-.001	1.75
13	MP3	X	0	2.75
14	MP3	Z	2.922	2.75
15	MP3	Mx	-.001	2.75
16	MP3A	X	0	2
17	MP3A	Z	28.661	2
18	MP3A	Mx	-.004	2
19	MP3A	X	0	7
20	MP3A	Z	28.661	7
21	MP3A	Mx	-.004	7
22	MP3A	X	0	2
23	MP3A	Z	28.661	2
24	MP3A	Mx	.022	2
25	MP3A	X	0	7
26	MP3A	Z	28.661	7
27	MP3A	Mx	.022	7
28	MP1A	X	0	3.5
29	MP1A	Z	14.958	3.5
30	MP1A	Mx	.005	3.5
31	MP1A	X	0	5.5
32	MP1A	Z	14.958	5.5
33	MP1A	Mx	.005	5.5
34	MP2A	X	0	2
35	MP2A	Z	14.506	2
36	MP2A	Mx	-.005	2
37	MP4A	X	0	2
38	MP4A	Z	37.372	2
39	MP4A	Mx	0	2
40	MP4A	X	0	7
41	MP4A	Z	37.372	7
42	MP4A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-5.678	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	9.835	2
3	MP3A	Mx	-.009	2
4	MP3	X	-2.125	1.75
5	MP3	Z	3.68	1.75
6	MP3	Mx	-.004	1.75
7	MP3	X	-2.125	2.75
8	MP3	Z	3.68	2.75
9	MP3	Mx	-.004	2.75
10	MP3	X	-2.125	1.75
11	MP3	Z	3.68	1.75
12	MP3	Mx	-.004	1.75
13	MP3	X	-2.125	2.75
14	MP3	Z	3.68	2.75
15	MP3	Mx	-.004	2.75
16	MP3A	X	-11.953	2
17	MP3A	Z	20.703	2
18	MP3A	Mx	.006	2
19	MP3A	X	-11.953	7
20	MP3A	Z	20.703	7
21	MP3A	Mx	.006	7
22	MP3A	X	-11.953	2
23	MP3A	Z	20.703	2
24	MP3A	Mx	.016	2
25	MP3A	X	-11.953	7
26	MP3A	Z	20.703	7
27	MP3A	Mx	.016	7
28	MP1A	X	-4.853	3.5
29	MP1A	Z	8.405	3.5
30	MP1A	Mx	.005	3.5
31	MP1A	X	-4.853	5.5
32	MP1A	Z	8.405	5.5
33	MP1A	Mx	.005	5.5
34	MP2A	X	-6.076	2
35	MP2A	Z	10.525	2
36	MP2A	Mx	-.006	2
37	MP4A	X	-17.252	2
38	MP4A	Z	29.881	2
39	MP4A	Mx	.009	2
40	MP4A	X	-17.252	7
41	MP4A	Z	29.881	7
42	MP4A	Mx	.009	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.391	2
2	MP3A	Z	5.422	2
3	MP3A	Mx	-.009	2
4	MP3	X	-3.892	1.75
5	MP3	Z	2.247	1.75
6	MP3	Mx	-.004	1.75
7	MP3	X	-3.892	2.75
8	MP3	Z	2.247	2.75
9	MP3	Mx	-.004	2.75
10	MP3	X	-3.892	1.75
11	MP3	Z	2.247	1.75
12	MP3	Mx	-.005	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3	X	-3.892	2.75
14	MP3	Z	2.247	2.75
15	MP3	Mx	-.005	2.75
16	MP3A	X	-19.942	2
17	MP3A	Z	11.514	2
18	MP3A	Mx	.014	2
19	MP3A	X	-19.942	7
20	MP3A	Z	11.514	7
21	MP3A	Mx	.014	7
22	MP3A	X	-19.942	2
23	MP3A	Z	11.514	2
24	MP3A	Mx	.009	2
25	MP3A	X	-19.942	7
26	MP3A	Z	11.514	7
27	MP3A	Mx	.009	7
28	MP1A	X	-7.564	3.5
29	MP1A	Z	4.367	3.5
30	MP1A	Mx	.004	3.5
31	MP1A	X	-7.564	5.5
32	MP1A	Z	4.367	5.5
33	MP1A	Mx	.004	5.5
34	MP2A	X	-10.148	2
35	MP2A	Z	5.859	2
36	MP2A	Mx	-.006	2
37	MP4A	X	-24.913	2
38	MP4A	Z	14.384	2
39	MP4A	Mx	.012	2
40	MP4A	X	-24.913	7
41	MP4A	Z	14.384	7
42	MP4A	Mx	.012	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-13.107	2
2	MP3A	Z	0	2
3	MP3A	Mx	-.008	2
4	MP3	X	-3.412	1.75
5	MP3	Z	0	1.75
6	MP3	Mx	-.002	1.75
7	MP3	X	-3.412	2.75
8	MP3	Z	0	2.75
9	MP3	Mx	-.002	2.75
10	MP3	X	-3.412	1.75
11	MP3	Z	0	1.75
12	MP3	Mx	-.003	1.75
13	MP3	X	-3.412	2.75
14	MP3	Z	0	2.75
15	MP3	Mx	-.003	2.75
16	MP3A	X	-26.903	2
17	MP3A	Z	0	2
18	MP3A	Mx	.02	2
19	MP3A	X	-26.903	7
20	MP3A	Z	0	7
21	MP3A	Mx	.02	7
22	MP3A	X	-26.903	2
23	MP3A	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP3A	Mx	.000217	2
25	MP3A	X	-26.903	7
26	MP3A	Z	0	7
27	MP3A	Mx	.000217	7
28	MP1A	X	-13.017	3.5
29	MP1A	Z	0	3.5
30	MP1A	Mx	.005	3.5
31	MP1A	X	-13.017	5.5
32	MP1A	Z	0	5.5
33	MP1A	Mx	.005	5.5
34	MP2A	X	-13.636	2
35	MP2A	Z	0	2
36	MP2A	Mx	-.005	2
37	MP4A	X	-25.899	2
38	MP4A	Z	0	2
39	MP4A	Mx	.013	2
40	MP4A	X	-25.899	7
41	MP4A	Z	0	7
42	MP4A	Mx	.013	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-13.756	2
2	MP3A	Z	-7.942	2
3	MP3A	Mx	-.005	2
4	MP3	X	-1.806	1.75
5	MP3	Z	-1.043	1.75
6	MP3	Mx	-6e-5	1.75
7	MP3	X	-1.806	2.75
8	MP3	Z	-1.043	2.75
9	MP3	Mx	-6e-5	2.75
10	MP3	X	-1.806	1.75
11	MP3	Z	-1.043	1.75
12	MP3	Mx	-.001	1.75
13	MP3	X	-1.806	2.75
14	MP3	Z	-1.043	2.75
15	MP3	Mx	-.001	2.75
16	MP3A	X	-27.417	2
17	MP3A	Z	-15.829	2
18	MP3A	Mx	.023	2
19	MP3A	X	-27.417	7
20	MP3A	Z	-15.829	7
21	MP3A	Mx	.023	7
22	MP3A	X	-27.417	2
23	MP3A	Z	-15.829	2
24	MP3A	Mx	-.012	2
25	MP3A	X	-27.417	7
26	MP3A	Z	-15.829	7
27	MP3A	Mx	-.012	7
28	MP1A	X	-15.822	3.5
29	MP1A	Z	-9.135	3.5
30	MP1A	Mx	.003	3.5
31	MP1A	X	-15.822	5.5
32	MP1A	Z	-9.135	5.5
33	MP1A	Mx	.003	5.5
34	MP2A	X	-13.847	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP2A	Z	-7.995	2
36	MP2A	Mx	-.003	2
37	MP4A	X	-24.913	2
38	MP4A	Z	-14.384	2
39	MP4A	Mx	.012	2
40	MP4A	X	-24.913	7
41	MP4A	Z	-14.384	7
42	MP4A	Mx	.012	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-8.198	2
2	MP3A	Z	-14.2	2
3	MP3A	Mx	.002	2
4	MP3	X	-.92	1.75
5	MP3	Z	-1.593	1.75
6	MP3	Mx	.000923	1.75
7	MP3	X	-.92	2.75
8	MP3	Z	-1.593	2.75
9	MP3	Mx	.000923	2.75
10	MP3	X	-.92	1.75
11	MP3	Z	-1.593	1.75
12	MP3	Mx	-.000285	1.75
13	MP3	X	-.92	2.75
14	MP3	Z	-1.593	2.75
15	MP3	Mx	-.000285	2.75
16	MP3A	X	-16.269	2
17	MP3A	Z	-28.178	2
18	MP3A	Mx	.016	2
19	MP3A	X	-16.269	7
20	MP3A	Z	-28.178	7
21	MP3A	Mx	.016	7
22	MP3A	X	-16.269	2
23	MP3A	Z	-28.178	2
24	MP3A	Mx	-.022	2
25	MP3A	X	-16.269	7
26	MP3A	Z	-28.178	7
27	MP3A	Mx	-.022	7
28	MP1A	X	-9.62	3.5
29	MP1A	Z	-16.662	3.5
30	MP1A	Mx	-.002	3.5
31	MP1A	X	-9.62	5.5
32	MP1A	Z	-16.662	5.5
33	MP1A	Mx	-.002	5.5
34	MP2A	X	-8.212	2
35	MP2A	Z	-14.223	2
36	MP2A	Mx	.001	2
37	MP4A	X	-17.252	2
38	MP4A	Z	-29.881	2
39	MP4A	Mx	.009	2
40	MP4A	X	-17.252	7
41	MP4A	Z	-29.881	7
42	MP4A	Mx	.009	7

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	MP3A	X	0	2
2	MP3A	Z	-3.413	2
3	MP3A	Mx	.002	2
4	MP3	X	0	1.75
5	MP3	Z	-1.264	1.75
6	MP3	Mx	.001	1.75
7	MP3	X	0	2.75
8	MP3	Z	-1.264	2.75
9	MP3	Mx	.001	2.75
10	MP3	X	0	1.75
11	MP3	Z	-1.264	1.75
12	MP3	Mx	.00049	1.75
13	MP3	X	0	2.75
14	MP3	Z	-1.264	2.75
15	MP3	Mx	.00049	2.75
16	MP3A	X	0	2
17	MP3A	Z	-5.46	2
18	MP3A	Mx	.000685	2
19	MP3A	X	0	7
20	MP3A	Z	-5.46	7
21	MP3A	Mx	.000685	7
22	MP3A	X	0	2
23	MP3A	Z	-5.46	2
24	MP3A	Mx	-.004	2
25	MP3A	X	0	7
26	MP3A	Z	-5.46	7
27	MP3A	Mx	-.004	7
28	MP1A	X	0	3.5
29	MP1A	Z	-3.757	3.5
30	MP1A	Mx	-.001	3.5
31	MP1A	X	0	5.5
32	MP1A	Z	-3.757	5.5
33	MP1A	Mx	-.001	5.5
34	MP2A	X	0	2
35	MP2A	Z	-3.521	2
36	MP2A	Mx	.001	2
37	MP4A	X	0	2
38	MP4A	Z	-12.134	2
39	MP4A	Mx	0	2
40	MP4A	X	0	7
41	MP4A	Z	-12.134	7
42	MP4A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.33	2
2	MP3A	Z	-2.303	2
3	MP3A	Mx	.002	2
4	MP3	X	.633	1.75
5	MP3	Z	-1.096	1.75
6	MP3	Mx	.001	1.75
7	MP3	X	.633	2.75
8	MP3	Z	-1.096	2.75
9	MP3	Mx	.001	2.75
10	MP3	X	.633	1.75
11	MP3	Z	-1.096	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3	Mx	.001	1.75
13	MP3	X	.633	2.75
14	MP3	Z	-1.096	2.75
15	MP3	Mx	.001	2.75
16	MP3A	X	1.772	2
17	MP3A	Z	-3.068	2
18	MP3A	Mx	-.000958	2
19	MP3A	X	1.772	7
20	MP3A	Z	-3.068	7
21	MP3A	Mx	-.000958	7
22	MP3A	X	1.772	2
23	MP3A	Z	-3.068	2
24	MP3A	Mx	-.002	2
25	MP3A	X	1.772	7
26	MP3A	Z	-3.068	7
27	MP3A	Mx	-.002	7
28	MP1A	X	1.085	3.5
29	MP1A	Z	-1.879	3.5
30	MP1A	Mx	-.001	3.5
31	MP1A	X	1.085	5.5
32	MP1A	Z	-1.879	5.5
33	MP1A	Mx	-.001	5.5
34	MP2A	X	1.446	2
35	MP2A	Z	-2.504	2
36	MP2A	Mx	.001	2
37	MP4A	X	5.559	2
38	MP4A	Z	-9.629	2
39	MP4A	Mx	-.003	2
40	MP4A	X	5.559	7
41	MP4A	Z	-9.629	7
42	MP4A	Mx	-.003	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.182	2
2	MP3A	Z	-1.26	2
3	MP3A	Mx	.002	2
4	MP3	X	1.096	1.75
5	MP3	Z	-.633	1.75
6	MP3	Mx	.001	1.75
7	MP3	X	1.096	2.75
8	MP3	Z	-.633	2.75
9	MP3	Mx	.001	2.75
10	MP3	X	1.096	1.75
11	MP3	Z	-.633	1.75
12	MP3	Mx	.001	1.75
13	MP3	X	1.096	2.75
14	MP3	Z	-.633	2.75
15	MP3	Mx	.001	2.75
16	MP3A	X	2.762	2
17	MP3A	Z	-1.594	2
18	MP3A	Mx	-.002	2
19	MP3A	X	2.762	7
20	MP3A	Z	-1.594	7
21	MP3A	Mx	-.002	7
22	MP3A	X	2.762	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	-1.594	2
24	MP3A	Mx	-.001	2
25	MP3A	X	2.762	7
26	MP3A	Z	-1.594	7
27	MP3A	Mx	-.001	7
28	MP1A	X	1.625	3.5
29	MP1A	Z	-.938	3.5
30	MP1A	Mx	-.000924	3.5
31	MP1A	X	1.625	5.5
32	MP1A	Z	-.938	5.5
33	MP1A	Mx	-.000924	5.5
34	MP2A	X	2.403	2
35	MP2A	Z	-1.387	2
36	MP2A	Mx	.001	2
37	MP4A	X	7.87	2
38	MP4A	Z	-4.544	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.87	7
41	MP4A	Z	-4.544	7
42	MP4A	Mx	-.004	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.134	2
2	MP3A	Z	0	2
3	MP3A	Mx	.002	2
4	MP3	X	1.264	1.75
5	MP3	Z	0	1.75
6	MP3	Mx	.000697	1.75
7	MP3	X	1.264	2.75
8	MP3	Z	0	2.75
9	MP3	Mx	.000697	2.75
10	MP3	X	1.264	1.75
11	MP3	Z	0	1.75
12	MP3	Mx	.001	1.75
13	MP3	X	1.264	2.75
14	MP3	Z	0	2.75
15	MP3	Mx	.001	2.75
16	MP3A	X	4.751	2
17	MP3A	Z	0	2
18	MP3A	Mx	-.004	2
19	MP3A	X	4.751	7
20	MP3A	Z	0	7
21	MP3A	Mx	-.004	7
22	MP3A	X	4.751	2
23	MP3A	Z	0	2
24	MP3A	Mx	-3.8e-5	2
25	MP3A	X	4.751	7
26	MP3A	Z	0	7
27	MP3A	Mx	-3.8e-5	7
28	MP1A	X	3.171	3.5
29	MP1A	Z	0	3.5
30	MP1A	Mx	-.001	3.5
31	MP1A	X	3.171	5.5
32	MP1A	Z	0	5.5
33	MP1A	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2A	X	3.288	2
35	MP2A	Z	0	2
36	MP2A	Mx	.001	2
37	MP4A	X	8.072	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.004	2
40	MP4A	X	8.072	7
41	MP4A	Z	0	7
42	MP4A	Mx	-.004	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.367	2
2	MP3A	Z	1.944	2
3	MP3A	Mx	.001	2
4	MP3	X	1.093	1.75
5	MP3	Z	.631	1.75
6	MP3	Mx	3.6e-5	1.75
7	MP3	X	1.093	2.75
8	MP3	Z	.631	2.75
9	MP3	Mx	3.6e-5	2.75
10	MP3	X	1.093	1.75
11	MP3	Z	.631	1.75
12	MP3	Mx	.000827	1.75
13	MP3	X	1.093	2.75
14	MP3	Z	.631	2.75
15	MP3	Mx	.000827	2.75
16	MP3A	X	5.774	2
17	MP3A	Z	3.334	2
18	MP3A	Mx	-.005	2
19	MP3A	X	5.774	7
20	MP3A	Z	3.334	7
21	MP3A	Mx	-.005	7
22	MP3A	X	5.774	2
23	MP3A	Z	3.334	2
24	MP3A	Mx	.003	2
25	MP3A	X	5.774	7
26	MP3A	Z	3.334	7
27	MP3A	Mx	.003	7
28	MP1A	X	4.121	3.5
29	MP1A	Z	2.379	3.5
30	MP1A	Mx	-.000814	3.5
31	MP1A	X	4.121	5.5
32	MP1A	Z	2.379	5.5
33	MP1A	Mx	-.000814	5.5
34	MP2A	X	3.393	2
35	MP2A	Z	1.959	2
36	MP2A	Mx	.00067	2
37	MP4A	X	7.87	2
38	MP4A	Z	4.544	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.87	7
41	MP4A	Z	4.544	7
42	MP4A	Mx	-.004	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.013	2
2	MP3A	Z	3.487	2
3	MP3A	Mx	-.000583	2
4	MP3	X	.631	1.75
5	MP3	Z	1.093	1.75
6	MP3	Mx	-.000633	1.75
7	MP3	X	.631	2.75
8	MP3	Z	1.093	2.75
9	MP3	Mx	-.000633	2.75
10	MP3	X	.631	1.75
11	MP3	Z	1.093	1.75
12	MP3	Mx	.000195	1.75
13	MP3	X	.631	2.75
14	MP3	Z	1.093	2.75
15	MP3	Mx	.000195	2.75
16	MP3A	X	3.511	2
17	MP3A	Z	6.081	2
18	MP3A	Mx	-.003	2
19	MP3A	X	3.511	7
20	MP3A	Z	6.081	7
21	MP3A	Mx	-.003	7
22	MP3A	X	3.511	2
23	MP3A	Z	6.081	2
24	MP3A	Mx	.005	2
25	MP3A	X	3.511	7
26	MP3A	Z	6.081	7
27	MP3A	Mx	.005	7
28	MP1A	X	2.526	3.5
29	MP1A	Z	4.375	3.5
30	MP1A	Mx	.000439	3.5
31	MP1A	X	2.526	5.5
32	MP1A	Z	4.375	5.5
33	MP1A	Mx	.000439	5.5
34	MP2A	X	2.017	2
35	MP2A	Z	3.494	2
36	MP2A	Mx	-.00035	2
37	MP4A	X	5.559	2
38	MP4A	Z	9.629	2
39	MP4A	Mx	-.003	2
40	MP4A	X	5.559	7
41	MP4A	Z	9.629	7
42	MP4A	Mx	-.003	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	2
2	MP3A	Z	3.413	2
3	MP3A	Mx	-.002	2
4	MP3	X	0	1.75
5	MP3	Z	1.264	1.75
6	MP3	Mx	-.001	1.75
7	MP3	X	0	2.75
8	MP3	Z	1.264	2.75
9	MP3	Mx	-.001	2.75
10	MP3	X	0	1.75
11	MP3	Z	1.264	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3	Mx	-.00049	1.75
13	MP3	X	0	2.75
14	MP3	Z	1.264	2.75
15	MP3	Mx	-.00049	2.75
16	MP3A	X	0	2
17	MP3A	Z	5.46	2
18	MP3A	Mx	-.000685	2
19	MP3A	X	0	7
20	MP3A	Z	5.46	7
21	MP3A	Mx	-.000685	7
22	MP3A	X	0	2
23	MP3A	Z	5.46	2
24	MP3A	Mx	.004	2
25	MP3A	X	0	7
26	MP3A	Z	5.46	7
27	MP3A	Mx	.004	7
28	MP1A	X	0	3.5
29	MP1A	Z	3.757	3.5
30	MP1A	Mx	.001	3.5
31	MP1A	X	0	5.5
32	MP1A	Z	3.757	5.5
33	MP1A	Mx	.001	5.5
34	MP2A	X	0	2
35	MP2A	Z	3.521	2
36	MP2A	Mx	-.001	2
37	MP4A	X	0	2
38	MP4A	Z	12.134	2
39	MP4A	Mx	0	2
40	MP4A	X	0	7
41	MP4A	Z	12.134	7
42	MP4A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.33	2
2	MP3A	Z	2.303	2
3	MP3A	Mx	-.002	2
4	MP3	X	-.633	1.75
5	MP3	Z	1.096	1.75
6	MP3	Mx	-.001	1.75
7	MP3	X	-.633	2.75
8	MP3	Z	1.096	2.75
9	MP3	Mx	-.001	2.75
10	MP3	X	-.633	1.75
11	MP3	Z	1.096	1.75
12	MP3	Mx	-.001	1.75
13	MP3	X	-.633	2.75
14	MP3	Z	1.096	2.75
15	MP3	Mx	-.001	2.75
16	MP3A	X	-1.772	2
17	MP3A	Z	3.068	2
18	MP3A	Mx	.000958	2
19	MP3A	X	-1.772	7
20	MP3A	Z	3.068	7
21	MP3A	Mx	.000958	7
22	MP3A	X	-1.772	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	3.068	2
24	MP3A	Mx	.002	2
25	MP3A	X	-1.772	7
26	MP3A	Z	3.068	7
27	MP3A	Mx	.002	7
28	MP1A	X	-1.085	3.5
29	MP1A	Z	1.879	3.5
30	MP1A	Mx	.001	3.5
31	MP1A	X	-1.085	5.5
32	MP1A	Z	1.879	5.5
33	MP1A	Mx	.001	5.5
34	MP2A	X	-1.446	2
35	MP2A	Z	2.504	2
36	MP2A	Mx	-.001	2
37	MP4A	X	-5.559	2
38	MP4A	Z	9.629	2
39	MP4A	Mx	.003	2
40	MP4A	X	-5.559	7
41	MP4A	Z	9.629	7
42	MP4A	Mx	.003	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.182	2
2	MP3A	Z	1.26	2
3	MP3A	Mx	-.002	2
4	MP3	X	-1.096	1.75
5	MP3	Z	.633	1.75
6	MP3	Mx	-.001	1.75
7	MP3	X	-1.096	2.75
8	MP3	Z	.633	2.75
9	MP3	Mx	-.001	2.75
10	MP3	X	-1.096	1.75
11	MP3	Z	.633	1.75
12	MP3	Mx	-.001	1.75
13	MP3	X	-1.096	2.75
14	MP3	Z	.633	2.75
15	MP3	Mx	-.001	2.75
16	MP3A	X	-2.762	2
17	MP3A	Z	1.594	2
18	MP3A	Mx	.002	2
19	MP3A	X	-2.762	7
20	MP3A	Z	1.594	7
21	MP3A	Mx	.002	7
22	MP3A	X	-2.762	2
23	MP3A	Z	1.594	2
24	MP3A	Mx	.001	2
25	MP3A	X	-2.762	7
26	MP3A	Z	1.594	7
27	MP3A	Mx	.001	7
28	MP1A	X	-1.625	3.5
29	MP1A	Z	.938	3.5
30	MP1A	Mx	.000924	3.5
31	MP1A	X	-1.625	5.5
32	MP1A	Z	.938	5.5
33	MP1A	Mx	.000924	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2A	X	-2.403	2
35	MP2A	Z	1.387	2
36	MP2A	Mx	-.001	2
37	MP4A	X	-7.87	2
38	MP4A	Z	4.544	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.87	7
41	MP4A	Z	4.544	7
42	MP4A	Mx	.004	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.134	2
2	MP3A	Z	0	2
3	MP3A	Mx	-.002	2
4	MP3	X	-1.264	1.75
5	MP3	Z	0	1.75
6	MP3	Mx	-.000697	1.75
7	MP3	X	-1.264	2.75
8	MP3	Z	0	2.75
9	MP3	Mx	-.000697	2.75
10	MP3	X	-1.264	1.75
11	MP3	Z	0	1.75
12	MP3	Mx	-.001	1.75
13	MP3	X	-1.264	2.75
14	MP3	Z	0	2.75
15	MP3	Mx	-.001	2.75
16	MP3A	X	-4.751	2
17	MP3A	Z	0	2
18	MP3A	Mx	.004	2
19	MP3A	X	-4.751	7
20	MP3A	Z	0	7
21	MP3A	Mx	.004	7
22	MP3A	X	-4.751	2
23	MP3A	Z	0	2
24	MP3A	Mx	3.8e-5	2
25	MP3A	X	-4.751	7
26	MP3A	Z	0	7
27	MP3A	Mx	3.8e-5	7
28	MP1A	X	-3.171	3.5
29	MP1A	Z	0	3.5
30	MP1A	Mx	.001	3.5
31	MP1A	X	-3.171	5.5
32	MP1A	Z	0	5.5
33	MP1A	Mx	.001	5.5
34	MP2A	X	-3.288	2
35	MP2A	Z	0	2
36	MP2A	Mx	-.001	2
37	MP4A	X	-8.072	2
38	MP4A	Z	0	2
39	MP4A	Mx	.004	2
40	MP4A	X	-8.072	7
41	MP4A	Z	0	7
42	MP4A	Mx	.004	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.367	2
2	MP3A	Z	-1.944	2
3	MP3A	Mx	-.001	2
4	MP3	X	-1.093	1.75
5	MP3	Z	-.631	1.75
6	MP3	Mx	-3.6e-5	1.75
7	MP3	X	-1.093	2.75
8	MP3	Z	-.631	2.75
9	MP3	Mx	-3.6e-5	2.75
10	MP3	X	-1.093	1.75
11	MP3	Z	-.631	1.75
12	MP3	Mx	-.000827	1.75
13	MP3	X	-1.093	2.75
14	MP3	Z	-.631	2.75
15	MP3	Mx	-.000827	2.75
16	MP3A	X	-5.774	2
17	MP3A	Z	-3.334	2
18	MP3A	Mx	.005	2
19	MP3A	X	-5.774	7
20	MP3A	Z	-3.334	7
21	MP3A	Mx	.005	7
22	MP3A	X	-5.774	2
23	MP3A	Z	-3.334	2
24	MP3A	Mx	-.003	2
25	MP3A	X	-5.774	7
26	MP3A	Z	-3.334	7
27	MP3A	Mx	-.003	7
28	MP1A	X	-4.121	3.5
29	MP1A	Z	-2.379	3.5
30	MP1A	Mx	.000814	3.5
31	MP1A	X	-4.121	5.5
32	MP1A	Z	-2.379	5.5
33	MP1A	Mx	.000814	5.5
34	MP2A	X	-3.393	2
35	MP2A	Z	-1.959	2
36	MP2A	Mx	-.00067	2
37	MP4A	X	-7.87	2
38	MP4A	Z	-4.544	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.87	7
41	MP4A	Z	-4.544	7
42	MP4A	Mx	.004	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.013	2
2	MP3A	Z	-3.487	2
3	MP3A	Mx	.000583	2
4	MP3	X	-.631	1.75
5	MP3	Z	-1.093	1.75
6	MP3	Mx	.000633	1.75
7	MP3	X	-.631	2.75
8	MP3	Z	-1.093	2.75
9	MP3	Mx	.000633	2.75
10	MP3	X	-.631	1.75
11	MP3	Z	-1.093	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3	Mx	-.000195	1.75
13	MP3	X	-.631	2.75
14	MP3	Z	-1.093	2.75
15	MP3	Mx	-.000195	2.75
16	MP3A	X	-3.511	2
17	MP3A	Z	-6.081	2
18	MP3A	Mx	.003	2
19	MP3A	X	-3.511	7
20	MP3A	Z	-6.081	7
21	MP3A	Mx	.003	7
22	MP3A	X	-3.511	2
23	MP3A	Z	-6.081	2
24	MP3A	Mx	-.005	2
25	MP3A	X	-3.511	7
26	MP3A	Z	-6.081	7
27	MP3A	Mx	-.005	7
28	MP1A	X	-2.526	3.5
29	MP1A	Z	-4.375	3.5
30	MP1A	Mx	-.000439	3.5
31	MP1A	X	-2.526	5.5
32	MP1A	Z	-4.375	5.5
33	MP1A	Mx	-.000439	5.5
34	MP2A	X	-2.017	2
35	MP2A	Z	-3.494	2
36	MP2A	Mx	.00035	2
37	MP4A	X	-5.559	2
38	MP4A	Z	-9.629	2
39	MP4A	Mx	.003	2
40	MP4A	X	-5.559	7
41	MP4A	Z	-9.629	7
42	MP4A	Mx	.003	7

Member Point Loads (BLC 77 : Lm1)

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

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	LIUVE1	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	0	2
2	MP3A	My	0	2
3	MP3A	Mz	0	2
4	MP3	Y	0	1.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3	My	0	1.75
6	MP3	Mz	0	1.75
7	MP3	Y	0	2.75
8	MP3	My	0	2.75
9	MP3	Mz	0	2.75
10	MP3	Y	0	1.75
11	MP3	My	0	1.75
12	MP3	Mz	0	1.75
13	MP3	Y	0	2.75
14	MP3	My	0	2.75
15	MP3	Mz	0	2.75
16	MP3A	Y	0	2
17	MP3A	My	0	2
18	MP3A	Mz	0	2
19	MP3A	Y	0	7
20	MP3A	My	0	7
21	MP3A	Mz	0	7
22	MP3A	Y	0	2
23	MP3A	My	0	2
24	MP3A	Mz	0	2
25	MP3A	Y	0	7
26	MP3A	My	0	7
27	MP3A	Mz	0	7
28	MP1A	Y	0	3.5
29	MP1A	My	0	3.5
30	MP1A	Mz	0	3.5
31	MP1A	Y	0	5.5
32	MP1A	My	0	5.5
33	MP1A	Mz	0	5.5
34	MP2A	Y	0	2
35	MP2A	My	0	2
36	MP2A	Mz	0	2
37	MP4A	Y	0	2
38	MP4A	My	0	2
39	MP4A	Mz	0	2
40	MP4A	Y	0	7
41	MP4A	My	0	7
42	MP4A	Mz	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	-2.109	2
2	MP3A	Mx	.001	2
3	MP3	Z	-.264	1.75
4	MP3	Mx	.000237	1.75
5	MP3	Z	-.264	2.75
6	MP3	Mx	.000237	2.75
7	MP3	Z	-.264	1.75
8	MP3	Mx	.000102	1.75
9	MP3	Z	-.264	2.75
10	MP3	Mx	.000102	2.75
11	MP3A	Z	-.655	2
12	MP3A	Mx	8.2e-5	2
13	MP3A	Z	-.655	7
14	MP3A	Mx	8.2e-5	7
15	MP3A	Z	-.655	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP3A	Mx	-.000504	2
17	MP3A	Z	-.655	7
18	MP3A	Mx	-.000504	7
19	MP1A	Z	-1.306	3.5
20	MP1A	Mx	-.00042	3.5
21	MP1A	Z	-1.306	5.5
22	MP1A	Mx	-.00042	5.5
23	MP2A	Z	-2.241	2
24	MP2A	Mx	.00072	2
25	MP4A	Z	-.689	2
26	MP4A	Mx	0	2
27	MP4A	Z	-.689	7
28	MP4A	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.109	2
2	MP3A	Mx	.001	2
3	MP3	X	.264	1.75
4	MP3	Mx	.000146	1.75
5	MP3	X	.264	2.75
6	MP3	Mx	.000146	2.75
7	MP3	X	.264	1.75
8	MP3	Mx	.000259	1.75
9	MP3	X	.264	2.75
10	MP3	Mx	.000259	2.75
11	MP3A	X	.655	2
12	MP3A	Mx	-.000497	2
13	MP3A	X	.655	7
14	MP3A	Mx	-.000497	7
15	MP3A	X	.655	2
16	MP3A	Mx	-5e-6	2
17	MP3A	X	.655	7
18	MP3A	Mx	-5e-6	7
19	MP1A	X	1.306	3.5
20	MP1A	Mx	-.0005	3.5
21	MP1A	X	1.306	5.5
22	MP1A	Mx	-.0005	5.5
23	MP2A	X	2.241	2
24	MP2A	Mx	.000858	2
25	MP4A	X	.689	2
26	MP4A	Mx	-.000344	2
27	MP4A	X	.689	7
28	MP4A	Mx	-.000344	7

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	M5	Y	-7.275	-7.275	0	%100
2	M6	Y	-7.275	-7.275	0	%100
3	M7	Y	-6.291	-6.291	0	%100
4	M8	Y	-7.275	-7.275	0	%100
5	M9	Y	-7.275	-7.275	0	%100
6	FACE	Y	-6.291	-6.291	0	%100
7	M11	Y	-5.528	-5.528	0	%100
8	M12	Y	-5.528	-5.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	M13	Y	-5.528	-5.528	0	%100
10	M14	Y	-5.528	-5.528	0	%100
11	M15	Y	-7.275	-7.275	0	%100
12	M16	Y	-4.803	-4.803	0	%100
13	M17	Y	-7.275	-7.275	0	%100
14	M18	Y	-4.803	-4.803	0	%100
15	M19	Y	-7.275	-7.275	0	%100
16	M20	Y	-7.275	-7.275	0	%100
17	M21	Y	-7.275	-7.275	0	%100
18	M22	Y	-4.803	-4.803	0	%100
19	M23	Y	-4.803	-4.803	0	%100
20	M24	Y	-5.528	-5.528	0	%100
21	M25	Y	-7.275	-7.275	0	%100
22	M26	Y	-7.275	-7.275	0	%100
23	M27	Y	-4.803	-4.803	0	%100
24	M28	Y	-7.275	-7.275	0	%100
25	M29	Y	-4.803	-4.803	0	%100
26	M30	Y	-7.275	-7.275	0	%100
27	M31	Y	-7.275	-7.275	0	%100
28	M32	Y	-7.275	-7.275	0	%100
29	M33	Y	-4.803	-4.803	0	%100
30	M34	Y	-4.803	-4.803	0	%100
31	M35	Y	-5.528	-5.528	0	%100
32	M36	Y	-7.275	-7.275	0	%100
33	MP1A	Y	-5.528	-5.528	0	%100
34	M46	Y	-5.528	-5.528	0	%100
35	MP2A	Y	-5.528	-5.528	0	%100
36	MP4A	Y	-5.528	-5.528	0	%100
37	MP3	Y	-5.528	-5.528	0	%100
38	M56	Y	-2.858	-2.858	0	%100
39	M57	Y	-2.858	-2.858	0	%100
40	M58	Y	-2.858	-2.858	0	%100
41	M59	Y	-2.858	-2.858	0	%100
42	MP3A	Y	-6.291	-6.291	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	M5	X	0	0	0	%100
2	M5	Z	-.84	-.84	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.84	-.84	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-13.123	-13.123	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.84	-.84	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.84	-.84	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	-13.123	-13.123	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-5.317	-5.317	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-5.317	-5.317	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-5.317	-5.317	0	%100
19	M14	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
20	M14	Z	-5.317	-5.317	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-1.807	-1.807	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-7.199	-7.199	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.807	-1.807	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-7.199	-7.199	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-2.171	-2.171	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.807	-1.807	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-1.807	-1.807	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-7.87	-7.87	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	-7.87	-7.87	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-8.611	-8.611	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-2.171	-2.171	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-1.807	-1.807	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-7.199	-7.199	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-1.807	-1.807	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-7.199	-7.199	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-2.171	-2.171	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-1.807	-1.807	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-1.807	-1.807	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-7.87	-7.87	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-7.87	-7.87	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-8.611	-8.611	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-2.171	-2.171	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-10.841	-10.841	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	-1.211	-1.211	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-10.841	-10.841	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	-10.841	-10.841	0	%100
73	MP3	X	0	0	0	%100
74	MP3	Z	-10.64	-10.64	0	%100
75	M56	X	0	0	0	%100
76	M56	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
77	M57	X	0	0	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	0	0	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-13.123	-13.123	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	M5	X	.053	.053	0	%100
2	M5	Z	-.092	-.092	0	%100
3	M6	X	.794	.794	0	%100
4	M6	Z	-1.376	-1.376	0	%100
5	M7	X	4.921	4.921	0	%100
6	M7	Z	-8.524	-8.524	0	%100
7	M8	X	.053	.053	0	%100
8	M8	Z	-.092	-.092	0	%100
9	M9	X	.794	.794	0	%100
10	M9	Z	-1.376	-1.376	0	%100
11	FACE	X	4.921	4.921	0	%100
12	FACE	Z	-8.524	-8.524	0	%100
13	M11	X	.338	.338	0	%100
14	M11	Z	-.585	-.585	0	%100
15	M12	X	5.031	5.031	0	%100
16	M12	Z	-8.714	-8.714	0	%100
17	M13	X	.338	.338	0	%100
18	M13	Z	-.585	-.585	0	%100
19	M14	X	5.031	5.031	0	%100
20	M14	Z	-8.714	-8.714	0	%100
21	M15	X	2.675	2.675	0	%100
22	M15	Z	-4.632	-4.632	0	%100
23	M16	X	4.232	4.232	0	%100
24	M16	Z	-7.331	-7.331	0	%100
25	M17	X	2.675	2.675	0	%100
26	M17	Z	-4.632	-4.632	0	%100
27	M18	X	4.232	4.232	0	%100
28	M18	Z	-7.331	-7.331	0	%100
29	M19	X	2.811	2.811	0	%100
30	M19	Z	-4.869	-4.869	0	%100
31	M20	X	2.675	2.675	0	%100
32	M20	Z	-4.632	-4.632	0	%100
33	M21	X	2.675	2.675	0	%100
34	M21	Z	-4.632	-4.632	0	%100
35	M22	X	3.935	3.935	0	%100
36	M22	Z	-6.815	-6.815	0	%100
37	M23	X	3.935	3.935	0	%100
38	M23	Z	-6.815	-6.815	0	%100
39	M24	X	4.306	4.306	0	%100
40	M24	Z	-7.458	-7.458	0	%100
41	M25	X	2.811	2.811	0	%100
42	M25	Z	-4.869	-4.869	0	%100
43	M26	X	2.675	2.675	0	%100
44	M26	Z	-4.632	-4.632	0	%100
45	M27	X	2.98	2.98	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M27	Z	-5.162	-5.162	0	%100
47	M28	X	2.675	2.675	0	%100
48	M28	Z	-4.632	-4.632	0	%100
49	M29	X	2.98	2.98	0	%100
50	M29	Z	-5.162	-5.162	0	%100
51	M30	X	2.811	2.811	0	%100
52	M30	Z	-4.869	-4.869	0	%100
53	M31	X	2.675	2.675	0	%100
54	M31	Z	-4.632	-4.632	0	%100
55	M32	X	2.675	2.675	0	%100
56	M32	Z	-4.632	-4.632	0	%100
57	M33	X	3.935	3.935	0	%100
58	M33	Z	-6.815	-6.815	0	%100
59	M34	X	3.935	3.935	0	%100
60	M34	Z	-6.815	-6.815	0	%100
61	M35	X	4.306	4.306	0	%100
62	M35	Z	-7.458	-7.458	0	%100
63	M36	X	2.811	2.811	0	%100
64	M36	Z	-4.869	-4.869	0	%100
65	MP1A	X	5.42	5.42	0	%100
66	MP1A	Z	-9.388	-9.388	0	%100
67	M46	X	1.196	1.196	0	%100
68	M46	Z	-2.072	-2.072	0	%100
69	MP2A	X	5.42	5.42	0	%100
70	MP2A	Z	-9.388	-9.388	0	%100
71	MP4A	X	5.42	5.42	0	%100
72	MP4A	Z	-9.388	-9.388	0	%100
73	MP3	X	5.32	5.32	0	%100
74	MP3	Z	-9.215	-9.215	0	%100
75	M56	X	.276	.276	0	%100
76	M56	Z	-.478	-.478	0	%100
77	M57	X	.276	.276	0	%100
78	M57	Z	-.478	-.478	0	%100
79	M58	X	.276	.276	0	%100
80	M58	Z	-.478	-.478	0	%100
81	M59	X	.276	.276	0	%100
82	M59	Z	-.478	-.478	0	%100
83	MP3A	X	6.562	6.562	0	%100
84	MP3A	Z	-11.365	-11.365	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	M5	X	.106	.106	0	%100
2	M5	Z	-.061	-.061	0	%100
3	M6	X	1.39	1.39	0	%100
4	M6	Z	-.803	-.803	0	%100
5	M7	X	2.841	2.841	0	%100
6	M7	Z	-1.64	-1.64	0	%100
7	M8	X	.106	.106	0	%100
8	M8	Z	-.061	-.061	0	%100
9	M9	X	1.39	1.39	0	%100
10	M9	Z	-.803	-.803	0	%100
11	FACE	X	2.841	2.841	0	%100
12	FACE	Z	-1.64	-1.64	0	%100
13	M11	X	.674	.674	0	%100
14	M11	Z	-.389	-.389	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,%]
15	M12	X	8.803	8.803	0	%100
16	M12	Z	-5.083	-5.083	0	%100
17	M13	X	.674	.674	0	%100
18	M13	Z	-.389	-.389	0	%100
19	M14	X	8.803	8.803	0	%100
20	M14	Z	-5.083	-5.083	0	%100
21	M15	X	10.768	10.768	0	%100
22	M15	Z	-6.217	-6.217	0	%100
23	M16	X	7.355	7.355	0	%100
24	M16	Z	-4.246	-4.246	0	%100
25	M17	X	10.768	10.768	0	%100
26	M17	Z	-6.217	-6.217	0	%100
27	M18	X	7.355	7.355	0	%100
28	M18	Z	-4.246	-4.246	0	%100
29	M19	X	10.847	10.847	0	%100
30	M19	Z	-6.262	-6.262	0	%100
31	M20	X	10.768	10.768	0	%100
32	M20	Z	-6.217	-6.217	0	%100
33	M21	X	10.768	10.768	0	%100
34	M21	Z	-6.217	-6.217	0	%100
35	M22	X	6.815	6.815	0	%100
36	M22	Z	-3.935	-3.935	0	%100
37	M23	X	6.815	6.815	0	%100
38	M23	Z	-3.935	-3.935	0	%100
39	M24	X	7.458	7.458	0	%100
40	M24	Z	-4.306	-4.306	0	%100
41	M25	X	10.847	10.847	0	%100
42	M25	Z	-6.262	-6.262	0	%100
43	M26	X	10.768	10.768	0	%100
44	M26	Z	-6.217	-6.217	0	%100
45	M27	X	5.186	5.186	0	%100
46	M27	Z	-2.994	-2.994	0	%100
47	M28	X	10.768	10.768	0	%100
48	M28	Z	-6.217	-6.217	0	%100
49	M29	X	5.186	5.186	0	%100
50	M29	Z	-2.994	-2.994	0	%100
51	M30	X	10.847	10.847	0	%100
52	M30	Z	-6.262	-6.262	0	%100
53	M31	X	10.768	10.768	0	%100
54	M31	Z	-6.217	-6.217	0	%100
55	M32	X	10.768	10.768	0	%100
56	M32	Z	-6.217	-6.217	0	%100
57	M33	X	6.815	6.815	0	%100
58	M33	Z	-3.935	-3.935	0	%100
59	M34	X	6.815	6.815	0	%100
60	M34	Z	-3.935	-3.935	0	%100
61	M35	X	7.458	7.458	0	%100
62	M35	Z	-4.306	-4.306	0	%100
63	M36	X	10.847	10.847	0	%100
64	M36	Z	-6.262	-6.262	0	%100
65	MP1A	X	9.388	9.388	0	%100
66	MP1A	Z	-5.42	-5.42	0	%100
67	M46	X	5.952	5.952	0	%100
68	M46	Z	-3.436	-3.436	0	%100
69	MP2A	X	9.388	9.388	0	%100
70	MP2A	Z	-5.42	-5.42	0	%100
71	MP4A	X	9.388	9.388	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,%]
72	MP4A	Z	-5.42	-5.42	0	%100
73	MP3	X	9.215	9.215	0	%100
74	MP3	Z	-5.32	-5.32	0	%100
75	M56	X	1.434	1.434	0	%100
76	M56	Z	-.828	-.828	0	%100
77	M57	X	1.434	1.434	0	%100
78	M57	Z	-.828	-.828	0	%100
79	M58	X	1.434	1.434	0	%100
80	M58	Z	-.828	-.828	0	%100
81	M59	X	1.434	1.434	0	%100
82	M59	Z	-.828	-.828	0	%100
83	MP3A	X	11.365	11.365	0	%100
84	MP3A	Z	-6.562	-6.562	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	M5	X	.872	.872	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.872	.872	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.872	.872	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.872	.872	0	%100
10	M9	Z	0	0	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	0	0	0	%100
13	M11	X	5.524	5.524	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	5.524	5.524	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	5.524	5.524	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	5.524	5.524	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	15.976	15.976	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	7.254	7.254	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	15.976	15.976	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	7.254	7.254	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	15.976	15.976	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	15.976	15.976	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	15.976	15.976	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	7.87	7.87	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	7.87	7.87	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	8.611	8.611	0	%100
40	M24	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M25	X	15.976	15.976	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	15.976	15.976	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	7.254	7.254	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	15.976	15.976	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	7.254	7.254	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	15.976	15.976	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	15.976	15.976	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	15.976	15.976	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	7.87	7.87	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	7.87	7.87	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	8.611	8.611	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	15.976	15.976	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	10.841	10.841	0	%100
66	MP1A	Z	0	0	0	%100
67	M46	X	10.173	10.173	0	%100
68	M46	Z	0	0	0	%100
69	MP2A	X	10.841	10.841	0	%100
70	MP2A	Z	0	0	0	%100
71	MP4A	X	10.841	10.841	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3	X	10.64	10.64	0	%100
74	MP3	Z	0	0	0	%100
75	M56	X	2.208	2.208	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	2.208	2.208	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	2.208	2.208	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	2.208	2.208	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	13.123	13.123	0	%100
84	MP3A	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	M5	X	1.39	1.39	0	%100
2	M5	Z	.803	.803	0	%100
3	M6	X	.106	.106	0	%100
4	M6	Z	.061	.061	0	%100
5	M7	X	2.841	2.841	0	%100
6	M7	Z	1.64	1.64	0	%100
7	M8	X	1.39	1.39	0	%100
8	M8	Z	.803	.803	0	%100
9	M9	X	.106	.106	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,%]
10	M9	Z	.061	.061	0	%100
11	FACE	X	2.841	2.841	0	%100
12	FACE	Z	1.64	1.64	0	%100
13	M11	X	8.803	8.803	0	%100
14	M11	Z	5.083	5.083	0	%100
15	M12	X	.674	.674	0	%100
16	M12	Z	.389	.389	0	%100
17	M13	X	8.803	8.803	0	%100
18	M13	Z	5.083	5.083	0	%100
19	M14	X	.674	.674	0	%100
20	M14	Z	.389	.389	0	%100
21	M15	X	10.768	10.768	0	%100
22	M15	Z	6.217	6.217	0	%100
23	M16	X	5.186	5.186	0	%100
24	M16	Z	2.994	2.994	0	%100
25	M17	X	10.768	10.768	0	%100
26	M17	Z	6.217	6.217	0	%100
27	M18	X	5.186	5.186	0	%100
28	M18	Z	2.994	2.994	0	%100
29	M19	X	10.847	10.847	0	%100
30	M19	Z	6.262	6.262	0	%100
31	M20	X	10.768	10.768	0	%100
32	M20	Z	6.217	6.217	0	%100
33	M21	X	10.768	10.768	0	%100
34	M21	Z	6.217	6.217	0	%100
35	M22	X	6.815	6.815	0	%100
36	M22	Z	3.935	3.935	0	%100
37	M23	X	6.815	6.815	0	%100
38	M23	Z	3.935	3.935	0	%100
39	M24	X	7.458	7.458	0	%100
40	M24	Z	4.306	4.306	0	%100
41	M25	X	10.847	10.847	0	%100
42	M25	Z	6.262	6.262	0	%100
43	M26	X	10.768	10.768	0	%100
44	M26	Z	6.217	6.217	0	%100
45	M27	X	7.355	7.355	0	%100
46	M27	Z	4.246	4.246	0	%100
47	M28	X	10.768	10.768	0	%100
48	M28	Z	6.217	6.217	0	%100
49	M29	X	7.355	7.355	0	%100
50	M29	Z	4.246	4.246	0	%100
51	M30	X	10.847	10.847	0	%100
52	M30	Z	6.262	6.262	0	%100
53	M31	X	10.768	10.768	0	%100
54	M31	Z	6.217	6.217	0	%100
55	M32	X	10.768	10.768	0	%100
56	M32	Z	6.217	6.217	0	%100
57	M33	X	6.815	6.815	0	%100
58	M33	Z	3.935	3.935	0	%100
59	M34	X	6.815	6.815	0	%100
60	M34	Z	3.935	3.935	0	%100
61	M35	X	7.458	7.458	0	%100
62	M35	Z	4.306	4.306	0	%100
63	M36	X	10.847	10.847	0	%100
64	M36	Z	6.262	6.262	0	%100
65	MP1A	X	9.388	9.388	0	%100
66	MP1A	Z	5.42	5.42	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,%]
67	M46	X	7.787	7.787	0	%100
68	M46	Z	4.496	4.496	0	%100
69	MP2A	X	9.388	9.388	0	%100
70	MP2A	Z	5.42	5.42	0	%100
71	MP4A	X	9.388	9.388	0	%100
72	MP4A	Z	5.42	5.42	0	%100
73	MP3	X	9.215	9.215	0	%100
74	MP3	Z	5.32	5.32	0	%100
75	M56	X	1.434	1.434	0	%100
76	M56	Z	.828	.828	0	%100
77	M57	X	1.434	1.434	0	%100
78	M57	Z	.828	.828	0	%100
79	M58	X	1.434	1.434	0	%100
80	M58	Z	.828	.828	0	%100
81	M59	X	1.434	1.434	0	%100
82	M59	Z	.828	.828	0	%100
83	MP3A	X	11.365	11.365	0	%100
84	MP3A	Z	6.562	6.562	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	M5	X	.794	.794	0	%100
2	M5	Z	1.376	1.376	0	%100
3	M6	X	.053	.053	0	%100
4	M6	Z	.092	.092	0	%100
5	M7	X	4.921	4.921	0	%100
6	M7	Z	8.524	8.524	0	%100
7	M8	X	.794	.794	0	%100
8	M8	Z	1.376	1.376	0	%100
9	M9	X	.053	.053	0	%100
10	M9	Z	.092	.092	0	%100
11	FACE	X	4.921	4.921	0	%100
12	FACE	Z	8.524	8.524	0	%100
13	M11	X	5.031	5.031	0	%100
14	M11	Z	8.714	8.714	0	%100
15	M12	X	.338	.338	0	%100
16	M12	Z	.585	.585	0	%100
17	M13	X	5.031	5.031	0	%100
18	M13	Z	8.714	8.714	0	%100
19	M14	X	.338	.338	0	%100
20	M14	Z	.585	.585	0	%100
21	M15	X	2.675	2.675	0	%100
22	M15	Z	4.632	4.632	0	%100
23	M16	X	2.98	2.98	0	%100
24	M16	Z	5.162	5.162	0	%100
25	M17	X	2.675	2.675	0	%100
26	M17	Z	4.632	4.632	0	%100
27	M18	X	2.98	2.98	0	%100
28	M18	Z	5.162	5.162	0	%100
29	M19	X	2.811	2.811	0	%100
30	M19	Z	4.869	4.869	0	%100
31	M20	X	2.675	2.675	0	%100
32	M20	Z	4.632	4.632	0	%100
33	M21	X	2.675	2.675	0	%100
34	M21	Z	4.632	4.632	0	%100
35	M22	X	3.935	3.935	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
36	M22	Z	6.815	6.815	0	%100
37	M23	X	3.935	3.935	0	%100
38	M23	Z	6.815	6.815	0	%100
39	M24	X	4.306	4.306	0	%100
40	M24	Z	7.458	7.458	0	%100
41	M25	X	2.811	2.811	0	%100
42	M25	Z	4.869	4.869	0	%100
43	M26	X	2.675	2.675	0	%100
44	M26	Z	4.632	4.632	0	%100
45	M27	X	4.232	4.232	0	%100
46	M27	Z	7.331	7.331	0	%100
47	M28	X	2.675	2.675	0	%100
48	M28	Z	4.632	4.632	0	%100
49	M29	X	4.232	4.232	0	%100
50	M29	Z	7.331	7.331	0	%100
51	M30	X	2.811	2.811	0	%100
52	M30	Z	4.869	4.869	0	%100
53	M31	X	2.675	2.675	0	%100
54	M31	Z	4.632	4.632	0	%100
55	M32	X	2.675	2.675	0	%100
56	M32	Z	4.632	4.632	0	%100
57	M33	X	3.935	3.935	0	%100
58	M33	Z	6.815	6.815	0	%100
59	M34	X	3.935	3.935	0	%100
60	M34	Z	6.815	6.815	0	%100
61	M35	X	4.306	4.306	0	%100
62	M35	Z	7.458	7.458	0	%100
63	M36	X	2.811	2.811	0	%100
64	M36	Z	4.869	4.869	0	%100
65	MP1A	X	5.42	5.42	0	%100
66	MP1A	Z	9.388	9.388	0	%100
67	M46	X	2.255	2.255	0	%100
68	M46	Z	3.907	3.907	0	%100
69	MP2A	X	5.42	5.42	0	%100
70	MP2A	Z	9.388	9.388	0	%100
71	MP4A	X	5.42	5.42	0	%100
72	MP4A	Z	9.388	9.388	0	%100
73	MP3	X	5.32	5.32	0	%100
74	MP3	Z	9.215	9.215	0	%100
75	M56	X	.276	.276	0	%100
76	M56	Z	.478	.478	0	%100
77	M57	X	.276	.276	0	%100
78	M57	Z	.478	.478	0	%100
79	M58	X	.276	.276	0	%100
80	M58	Z	.478	.478	0	%100
81	M59	X	.276	.276	0	%100
82	M59	Z	.478	.478	0	%100
83	MP3A	X	6.562	6.562	0	%100
84	MP3A	Z	11.365	11.365	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	M5	X	0	0	0	%100
2	M5	Z	.84	.84	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.84	.84	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,%]
5	M7	X	0	0	0	%100
6	M7	Z	13.123	13.123	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.84	.84	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.84	.84	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	13.123	13.123	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	5.317	5.317	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	5.317	5.317	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	5.317	5.317	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	5.317	5.317	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	1.807	1.807	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	7.199	7.199	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.807	1.807	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	7.199	7.199	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	2.171	2.171	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.807	1.807	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	1.807	1.807	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	7.87	7.87	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	7.87	7.87	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	8.611	8.611	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	2.171	2.171	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	1.807	1.807	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	7.199	7.199	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	1.807	1.807	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	7.199	7.199	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	2.171	2.171	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	1.807	1.807	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	1.807	1.807	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	7.87	7.87	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	7.87	7.87	0	%100
61	M35	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
62	M35	Z	8.611	8.611	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	2.171	2.171	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	10.841	10.841	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	1.211	1.211	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	10.841	10.841	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	10.841	10.841	0	%100
73	MP3	X	0	0	0	%100
74	MP3	Z	10.64	10.64	0	%100
75	M56	X	0	0	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	0	0	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	0	0	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	13.123	13.123	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	M5	X	-.053	-.053	0	%100
2	M5	Z	.092	.092	0	%100
3	M6	X	-.794	-.794	0	%100
4	M6	Z	1.376	1.376	0	%100
5	M7	X	-4.921	-4.921	0	%100
6	M7	Z	8.524	8.524	0	%100
7	M8	X	-.053	-.053	0	%100
8	M8	Z	.092	.092	0	%100
9	M9	X	-.794	-.794	0	%100
10	M9	Z	1.376	1.376	0	%100
11	FACE	X	-4.921	-4.921	0	%100
12	FACE	Z	8.524	8.524	0	%100
13	M11	X	-.338	-.338	0	%100
14	M11	Z	.585	.585	0	%100
15	M12	X	-5.031	-5.031	0	%100
16	M12	Z	8.714	8.714	0	%100
17	M13	X	-.338	-.338	0	%100
18	M13	Z	.585	.585	0	%100
19	M14	X	-5.031	-5.031	0	%100
20	M14	Z	8.714	8.714	0	%100
21	M15	X	-2.675	-2.675	0	%100
22	M15	Z	4.632	4.632	0	%100
23	M16	X	-4.232	-4.232	0	%100
24	M16	Z	7.331	7.331	0	%100
25	M17	X	-2.675	-2.675	0	%100
26	M17	Z	4.632	4.632	0	%100
27	M18	X	-4.232	-4.232	0	%100
28	M18	Z	7.331	7.331	0	%100
29	M19	X	-2.811	-2.811	0	%100
30	M19	Z	4.869	4.869	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
31	M20	X	-2.675	-2.675	0	%100
32	M20	Z	4.632	4.632	0	%100
33	M21	X	-2.675	-2.675	0	%100
34	M21	Z	4.632	4.632	0	%100
35	M22	X	-3.935	-3.935	0	%100
36	M22	Z	6.815	6.815	0	%100
37	M23	X	-3.935	-3.935	0	%100
38	M23	Z	6.815	6.815	0	%100
39	M24	X	-4.306	-4.306	0	%100
40	M24	Z	7.458	7.458	0	%100
41	M25	X	-2.811	-2.811	0	%100
42	M25	Z	4.869	4.869	0	%100
43	M26	X	-2.675	-2.675	0	%100
44	M26	Z	4.632	4.632	0	%100
45	M27	X	-2.98	-2.98	0	%100
46	M27	Z	5.162	5.162	0	%100
47	M28	X	-2.675	-2.675	0	%100
48	M28	Z	4.632	4.632	0	%100
49	M29	X	-2.98	-2.98	0	%100
50	M29	Z	5.162	5.162	0	%100
51	M30	X	-2.811	-2.811	0	%100
52	M30	Z	4.869	4.869	0	%100
53	M31	X	-2.675	-2.675	0	%100
54	M31	Z	4.632	4.632	0	%100
55	M32	X	-2.675	-2.675	0	%100
56	M32	Z	4.632	4.632	0	%100
57	M33	X	-3.935	-3.935	0	%100
58	M33	Z	6.815	6.815	0	%100
59	M34	X	-3.935	-3.935	0	%100
60	M34	Z	6.815	6.815	0	%100
61	M35	X	-4.306	-4.306	0	%100
62	M35	Z	7.458	7.458	0	%100
63	M36	X	-2.811	-2.811	0	%100
64	M36	Z	4.869	4.869	0	%100
65	MP1A	X	-5.42	-5.42	0	%100
66	MP1A	Z	9.388	9.388	0	%100
67	M46	X	-1.196	-1.196	0	%100
68	M46	Z	2.072	2.072	0	%100
69	MP2A	X	-5.42	-5.42	0	%100
70	MP2A	Z	9.388	9.388	0	%100
71	MP4A	X	-5.42	-5.42	0	%100
72	MP4A	Z	9.388	9.388	0	%100
73	MP3	X	-5.32	-5.32	0	%100
74	MP3	Z	9.215	9.215	0	%100
75	M56	X	-.276	-.276	0	%100
76	M56	Z	.478	.478	0	%100
77	M57	X	-.276	-.276	0	%100
78	M57	Z	.478	.478	0	%100
79	M58	X	-.276	-.276	0	%100
80	M58	Z	.478	.478	0	%100
81	M59	X	-.276	-.276	0	%100
82	M59	Z	.478	.478	0	%100
83	MP3A	X	-6.562	-6.562	0	%100
84	MP3A	Z	11.365	11.365	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,%]

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,%]
1	M5	X	-.106	-.106	0	%100
2	M5	Z	.061	.061	0	%100
3	M6	X	-1.39	-1.39	0	%100
4	M6	Z	.803	.803	0	%100
5	M7	X	-2.841	-2.841	0	%100
6	M7	Z	1.64	1.64	0	%100
7	M8	X	-.106	-.106	0	%100
8	M8	Z	.061	.061	0	%100
9	M9	X	-1.39	-1.39	0	%100
10	M9	Z	.803	.803	0	%100
11	FACE	X	-2.841	-2.841	0	%100
12	FACE	Z	1.64	1.64	0	%100
13	M11	X	-.674	-.674	0	%100
14	M11	Z	.389	.389	0	%100
15	M12	X	-8.803	-8.803	0	%100
16	M12	Z	5.083	5.083	0	%100
17	M13	X	-.674	-.674	0	%100
18	M13	Z	.389	.389	0	%100
19	M14	X	-8.803	-8.803	0	%100
20	M14	Z	5.083	5.083	0	%100
21	M15	X	-10.768	-10.768	0	%100
22	M15	Z	6.217	6.217	0	%100
23	M16	X	-7.355	-7.355	0	%100
24	M16	Z	4.246	4.246	0	%100
25	M17	X	-10.768	-10.768	0	%100
26	M17	Z	6.217	6.217	0	%100
27	M18	X	-7.355	-7.355	0	%100
28	M18	Z	4.246	4.246	0	%100
29	M19	X	-10.847	-10.847	0	%100
30	M19	Z	6.262	6.262	0	%100
31	M20	X	-10.768	-10.768	0	%100
32	M20	Z	6.217	6.217	0	%100
33	M21	X	-10.768	-10.768	0	%100
34	M21	Z	6.217	6.217	0	%100
35	M22	X	-6.815	-6.815	0	%100
36	M22	Z	3.935	3.935	0	%100
37	M23	X	-6.815	-6.815	0	%100
38	M23	Z	3.935	3.935	0	%100
39	M24	X	-7.458	-7.458	0	%100
40	M24	Z	4.306	4.306	0	%100
41	M25	X	-10.847	-10.847	0	%100
42	M25	Z	6.262	6.262	0	%100
43	M26	X	-10.768	-10.768	0	%100
44	M26	Z	6.217	6.217	0	%100
45	M27	X	-5.186	-5.186	0	%100
46	M27	Z	2.994	2.994	0	%100
47	M28	X	-10.768	-10.768	0	%100
48	M28	Z	6.217	6.217	0	%100
49	M29	X	-5.186	-5.186	0	%100
50	M29	Z	2.994	2.994	0	%100
51	M30	X	-10.847	-10.847	0	%100
52	M30	Z	6.262	6.262	0	%100
53	M31	X	-10.768	-10.768	0	%100
54	M31	Z	6.217	6.217	0	%100
55	M32	X	-10.768	-10.768	0	%100
56	M32	Z	6.217	6.217	0	%100
57	M33	X	-6.815	-6.815	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,%]
58	M33	Z	3.935	3.935	0	%100
59	M34	X	-6.815	-6.815	0	%100
60	M34	Z	3.935	3.935	0	%100
61	M35	X	-7.458	-7.458	0	%100
62	M35	Z	4.306	4.306	0	%100
63	M36	X	-10.847	-10.847	0	%100
64	M36	Z	6.262	6.262	0	%100
65	MP1A	X	-9.388	-9.388	0	%100
66	MP1A	Z	5.42	5.42	0	%100
67	M46	X	-5.952	-5.952	0	%100
68	M46	Z	3.436	3.436	0	%100
69	MP2A	X	-9.388	-9.388	0	%100
70	MP2A	Z	5.42	5.42	0	%100
71	MP4A	X	-9.388	-9.388	0	%100
72	MP4A	Z	5.42	5.42	0	%100
73	MP3	X	-9.215	-9.215	0	%100
74	MP3	Z	5.32	5.32	0	%100
75	M56	X	-1.434	-1.434	0	%100
76	M56	Z	.828	.828	0	%100
77	M57	X	-1.434	-1.434	0	%100
78	M57	Z	.828	.828	0	%100
79	M58	X	-1.434	-1.434	0	%100
80	M58	Z	.828	.828	0	%100
81	M59	X	-1.434	-1.434	0	%100
82	M59	Z	.828	.828	0	%100
83	MP3A	X	-11.365	-11.365	0	%100
84	MP3A	Z	6.562	6.562	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	M5	X	-.872	-.872	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.872	-.872	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.872	-.872	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.872	-.872	0	%100
10	M9	Z	0	0	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	0	0	0	%100
13	M11	X	-5.524	-5.524	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-5.524	-5.524	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-5.524	-5.524	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-5.524	-5.524	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-15.976	-15.976	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-7.254	-7.254	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-15.976	-15.976	0	%100
26	M17	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
27	M18	X	-7.254	-7.254	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-15.976	-15.976	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-15.976	-15.976	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-15.976	-15.976	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-7.87	-7.87	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	-7.87	-7.87	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-8.611	-8.611	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-15.976	-15.976	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-15.976	-15.976	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-7.254	-7.254	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-15.976	-15.976	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-7.254	-7.254	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-15.976	-15.976	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-15.976	-15.976	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-15.976	-15.976	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-7.87	-7.87	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-7.87	-7.87	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-8.611	-8.611	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-15.976	-15.976	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	-10.841	-10.841	0	%100
66	MP1A	Z	0	0	0	%100
67	M46	X	-10.173	-10.173	0	%100
68	M46	Z	0	0	0	%100
69	MP2A	X	-10.841	-10.841	0	%100
70	MP2A	Z	0	0	0	%100
71	MP4A	X	-10.841	-10.841	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3	X	-10.64	-10.64	0	%100
74	MP3	Z	0	0	0	%100
75	M56	X	-2.208	-2.208	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	-2.208	-2.208	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	-2.208	-2.208	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	-2.208	-2.208	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	-13.123	-13.123	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,%]
84	MP3A	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	M5	X	-1.39	-1.39	0	%100
2	M5	Z	-.803	-.803	0	%100
3	M6	X	-.106	-.106	0	%100
4	M6	Z	-.061	-.061	0	%100
5	M7	X	-2.841	-2.841	0	%100
6	M7	Z	-1.64	-1.64	0	%100
7	M8	X	-1.39	-1.39	0	%100
8	M8	Z	-.803	-.803	0	%100
9	M9	X	-.106	-.106	0	%100
10	M9	Z	-.061	-.061	0	%100
11	FACE	X	-2.841	-2.841	0	%100
12	FACE	Z	-1.64	-1.64	0	%100
13	M11	X	-8.803	-8.803	0	%100
14	M11	Z	-5.083	-5.083	0	%100
15	M12	X	-.674	-.674	0	%100
16	M12	Z	-.389	-.389	0	%100
17	M13	X	-8.803	-8.803	0	%100
18	M13	Z	-5.083	-5.083	0	%100
19	M14	X	-.674	-.674	0	%100
20	M14	Z	-.389	-.389	0	%100
21	M15	X	-10.768	-10.768	0	%100
22	M15	Z	-6.217	-6.217	0	%100
23	M16	X	-5.186	-5.186	0	%100
24	M16	Z	-2.994	-2.994	0	%100
25	M17	X	-10.768	-10.768	0	%100
26	M17	Z	-6.217	-6.217	0	%100
27	M18	X	-5.186	-5.186	0	%100
28	M18	Z	-2.994	-2.994	0	%100
29	M19	X	-10.847	-10.847	0	%100
30	M19	Z	-6.262	-6.262	0	%100
31	M20	X	-10.768	-10.768	0	%100
32	M20	Z	-6.217	-6.217	0	%100
33	M21	X	-10.768	-10.768	0	%100
34	M21	Z	-6.217	-6.217	0	%100
35	M22	X	-6.815	-6.815	0	%100
36	M22	Z	-3.935	-3.935	0	%100
37	M23	X	-6.815	-6.815	0	%100
38	M23	Z	-3.935	-3.935	0	%100
39	M24	X	-7.458	-7.458	0	%100
40	M24	Z	-4.306	-4.306	0	%100
41	M25	X	-10.847	-10.847	0	%100
42	M25	Z	-6.262	-6.262	0	%100
43	M26	X	-10.768	-10.768	0	%100
44	M26	Z	-6.217	-6.217	0	%100
45	M27	X	-7.355	-7.355	0	%100
46	M27	Z	-4.246	-4.246	0	%100
47	M28	X	-10.768	-10.768	0	%100
48	M28	Z	-6.217	-6.217	0	%100
49	M29	X	-7.355	-7.355	0	%100
50	M29	Z	-4.246	-4.246	0	%100
51	M30	X	-10.847	-10.847	0	%100
52	M30	Z	-6.262	-6.262	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M31	X	-10.768	-10.768	0	%100
54	M31	Z	-6.217	-6.217	0	%100
55	M32	X	-10.768	-10.768	0	%100
56	M32	Z	-6.217	-6.217	0	%100
57	M33	X	-6.815	-6.815	0	%100
58	M33	Z	-3.935	-3.935	0	%100
59	M34	X	-6.815	-6.815	0	%100
60	M34	Z	-3.935	-3.935	0	%100
61	M35	X	-7.458	-7.458	0	%100
62	M35	Z	-4.306	-4.306	0	%100
63	M36	X	-10.847	-10.847	0	%100
64	M36	Z	-6.262	-6.262	0	%100
65	MP1A	X	-9.388	-9.388	0	%100
66	MP1A	Z	-5.42	-5.42	0	%100
67	M46	X	-7.787	-7.787	0	%100
68	M46	Z	-4.496	-4.496	0	%100
69	MP2A	X	-9.388	-9.388	0	%100
70	MP2A	Z	-5.42	-5.42	0	%100
71	MP4A	X	-9.388	-9.388	0	%100
72	MP4A	Z	-5.42	-5.42	0	%100
73	MP3	X	-9.215	-9.215	0	%100
74	MP3	Z	-5.32	-5.32	0	%100
75	M56	X	-1.434	-1.434	0	%100
76	M56	Z	-.828	-.828	0	%100
77	M57	X	-1.434	-1.434	0	%100
78	M57	Z	-.828	-.828	0	%100
79	M58	X	-1.434	-1.434	0	%100
80	M58	Z	-.828	-.828	0	%100
81	M59	X	-1.434	-1.434	0	%100
82	M59	Z	-.828	-.828	0	%100
83	MP3A	X	-11.365	-11.365	0	%100
84	MP3A	Z	-6.562	-6.562	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	M5	X	-.794	-.794	0	%100
2	M5	Z	-1.376	-1.376	0	%100
3	M6	X	-.053	-.053	0	%100
4	M6	Z	-.092	-.092	0	%100
5	M7	X	-4.921	-4.921	0	%100
6	M7	Z	-8.524	-8.524	0	%100
7	M8	X	-.794	-.794	0	%100
8	M8	Z	-1.376	-1.376	0	%100
9	M9	X	-.053	-.053	0	%100
10	M9	Z	-.092	-.092	0	%100
11	FACE	X	-4.921	-4.921	0	%100
12	FACE	Z	-8.524	-8.524	0	%100
13	M11	X	-5.031	-5.031	0	%100
14	M11	Z	-8.714	-8.714	0	%100
15	M12	X	-.338	-.338	0	%100
16	M12	Z	-.585	-.585	0	%100
17	M13	X	-5.031	-5.031	0	%100
18	M13	Z	-8.714	-8.714	0	%100
19	M14	X	-.338	-.338	0	%100
20	M14	Z	-.585	-.585	0	%100
21	M15	X	-2.675	-2.675	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	M15	Z	-4.632	-4.632	0	%100
23	M16	X	-2.98	-2.98	0	%100
24	M16	Z	-5.162	-5.162	0	%100
25	M17	X	-2.675	-2.675	0	%100
26	M17	Z	-4.632	-4.632	0	%100
27	M18	X	-2.98	-2.98	0	%100
28	M18	Z	-5.162	-5.162	0	%100
29	M19	X	-2.811	-2.811	0	%100
30	M19	Z	-4.869	-4.869	0	%100
31	M20	X	-2.675	-2.675	0	%100
32	M20	Z	-4.632	-4.632	0	%100
33	M21	X	-2.675	-2.675	0	%100
34	M21	Z	-4.632	-4.632	0	%100
35	M22	X	-3.935	-3.935	0	%100
36	M22	Z	-6.815	-6.815	0	%100
37	M23	X	-3.935	-3.935	0	%100
38	M23	Z	-6.815	-6.815	0	%100
39	M24	X	-4.306	-4.306	0	%100
40	M24	Z	-7.458	-7.458	0	%100
41	M25	X	-2.811	-2.811	0	%100
42	M25	Z	-4.869	-4.869	0	%100
43	M26	X	-2.675	-2.675	0	%100
44	M26	Z	-4.632	-4.632	0	%100
45	M27	X	-4.232	-4.232	0	%100
46	M27	Z	-7.331	-7.331	0	%100
47	M28	X	-2.675	-2.675	0	%100
48	M28	Z	-4.632	-4.632	0	%100
49	M29	X	-4.232	-4.232	0	%100
50	M29	Z	-7.331	-7.331	0	%100
51	M30	X	-2.811	-2.811	0	%100
52	M30	Z	-4.869	-4.869	0	%100
53	M31	X	-2.675	-2.675	0	%100
54	M31	Z	-4.632	-4.632	0	%100
55	M32	X	-2.675	-2.675	0	%100
56	M32	Z	-4.632	-4.632	0	%100
57	M33	X	-3.935	-3.935	0	%100
58	M33	Z	-6.815	-6.815	0	%100
59	M34	X	-3.935	-3.935	0	%100
60	M34	Z	-6.815	-6.815	0	%100
61	M35	X	-4.306	-4.306	0	%100
62	M35	Z	-7.458	-7.458	0	%100
63	M36	X	-2.811	-2.811	0	%100
64	M36	Z	-4.869	-4.869	0	%100
65	MP1A	X	-5.42	-5.42	0	%100
66	MP1A	Z	-9.388	-9.388	0	%100
67	M46	X	-2.255	-2.255	0	%100
68	M46	Z	-3.907	-3.907	0	%100
69	MP2A	X	-5.42	-5.42	0	%100
70	MP2A	Z	-9.388	-9.388	0	%100
71	MP4A	X	-5.42	-5.42	0	%100
72	MP4A	Z	-9.388	-9.388	0	%100
73	MP3	X	-5.32	-5.32	0	%100
74	MP3	Z	-9.215	-9.215	0	%100
75	M56	X	-.276	-.276	0	%100
76	M56	Z	-.478	-.478	0	%100
77	M57	X	-.276	-.276	0	%100
78	M57	Z	-.478	-.478	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,%]
79	M58	X	-.276	-.276	0	%100
80	M58	Z	-.478	-.478	0	%100
81	M59	X	-.276	-.276	0	%100
82	M59	Z	-.478	-.478	0	%100
83	MP3A	X	-6.562	-6.562	0	%100
84	MP3A	Z	-11.365	-11.365	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	M5	X	0	0	0	%100
2	M5	Z	-.656	-.656	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.656	-.656	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-3.924	-3.924	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.656	-.656	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.656	-.656	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	-3.924	-3.924	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-1.745	-1.745	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-1.745	-1.745	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-1.745	-1.745	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-1.745	-1.745	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	-1.353	-1.353	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-2.529	-2.529	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.353	-1.353	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-2.529	-2.529	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-1.411	-1.411	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.353	-1.353	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-1.353	-1.353	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-2.753	-2.753	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	-2.753	-2.753	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-2.804	-2.804	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-1.411	-1.411	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-1.353	-1.353	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-2.529	-2.529	0	%100
47	M28	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	M28	Z	-1.353	-1.353	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-2.529	-2.529	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-1.411	-1.411	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-1.353	-1.353	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-1.353	-1.353	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-2.753	-2.753	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-2.753	-2.753	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-2.804	-2.804	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-1.411	-1.411	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-3.558	-3.558	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	-.393	-.393	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-3.525	-3.525	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	-3.558	-3.558	0	%100
73	MP3	X	0	0	0	%100
74	MP3	Z	-3.453	-3.453	0	%100
75	M56	X	0	0	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	0	0	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	0	0	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-3.924	-3.924	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	M5	X	.042	.042	0	%100
2	M5	Z	-.072	-.072	0	%100
3	M6	X	.621	.621	0	%100
4	M6	Z	-1.075	-1.075	0	%100
5	M7	X	1.471	1.471	0	%100
6	M7	Z	-2.548	-2.548	0	%100
7	M8	X	.042	.042	0	%100
8	M8	Z	-.072	-.072	0	%100
9	M9	X	.621	.621	0	%100
10	M9	Z	-1.075	-1.075	0	%100
11	FACE	X	1.471	1.471	0	%100
12	FACE	Z	-2.548	-2.548	0	%100
13	M11	X	.111	.111	0	%100
14	M11	Z	-.192	-.192	0	%100
15	M12	X	1.651	1.651	0	%100
16	M12	Z	-2.86	-2.86	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,%]
17	M13	X	.111	.111	0	%100
18	M13	Z	-.192	-.192	0	%100
19	M14	X	1.651	1.651	0	%100
20	M14	Z	-2.86	-2.86	0	%100
21	M15	X	.96	.96	0	%100
22	M15	Z	-1.663	-1.663	0	%100
23	M16	X	1.487	1.487	0	%100
24	M16	Z	-2.575	-2.575	0	%100
25	M17	X	.96	.96	0	%100
26	M17	Z	-1.663	-1.663	0	%100
27	M18	X	1.487	1.487	0	%100
28	M18	Z	-2.575	-2.575	0	%100
29	M19	X	.982	.982	0	%100
30	M19	Z	-1.7	-1.7	0	%100
31	M20	X	.96	.96	0	%100
32	M20	Z	-1.663	-1.663	0	%100
33	M21	X	.96	.96	0	%100
34	M21	Z	-1.663	-1.663	0	%100
35	M22	X	1.376	1.376	0	%100
36	M22	Z	-2.384	-2.384	0	%100
37	M23	X	1.376	1.376	0	%100
38	M23	Z	-2.384	-2.384	0	%100
39	M24	X	1.402	1.402	0	%100
40	M24	Z	-2.428	-2.428	0	%100
41	M25	X	.982	.982	0	%100
42	M25	Z	-1.7	-1.7	0	%100
43	M26	X	.96	.96	0	%100
44	M26	Z	-1.663	-1.663	0	%100
45	M27	X	1.047	1.047	0	%100
46	M27	Z	-1.813	-1.813	0	%100
47	M28	X	.96	.96	0	%100
48	M28	Z	-1.663	-1.663	0	%100
49	M29	X	1.047	1.047	0	%100
50	M29	Z	-1.813	-1.813	0	%100
51	M30	X	.982	.982	0	%100
52	M30	Z	-1.7	-1.7	0	%100
53	M31	X	.96	.96	0	%100
54	M31	Z	-1.663	-1.663	0	%100
55	M32	X	.96	.96	0	%100
56	M32	Z	-1.663	-1.663	0	%100
57	M33	X	1.376	1.376	0	%100
58	M33	Z	-2.384	-2.384	0	%100
59	M34	X	1.376	1.376	0	%100
60	M34	Z	-2.384	-2.384	0	%100
61	M35	X	1.402	1.402	0	%100
62	M35	Z	-2.428	-2.428	0	%100
63	M36	X	.982	.982	0	%100
64	M36	Z	-1.7	-1.7	0	%100
65	MP1A	X	1.779	1.779	0	%100
66	MP1A	Z	-3.082	-3.082	0	%100
67	M46	X	.388	.388	0	%100
68	M46	Z	-.673	-.673	0	%100
69	MP2A	X	1.763	1.763	0	%100
70	MP2A	Z	-3.053	-3.053	0	%100
71	MP4A	X	1.779	1.779	0	%100
72	MP4A	Z	-3.082	-3.082	0	%100
73	MP3	X	1.726	1.726	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,%]
74	MP3	Z	-2.99	-2.99	0	%100
75	M56	X	.18	.18	0	%100
76	M56	Z	-.312	-.312	0	%100
77	M57	X	.18	.18	0	%100
78	M57	Z	-.312	-.312	0	%100
79	M58	X	.18	.18	0	%100
80	M58	Z	-.312	-.312	0	%100
81	M59	X	.18	.18	0	%100
82	M59	Z	-.312	-.312	0	%100
83	MP3A	X	1.962	1.962	0	%100
84	MP3A	Z	-3.398	-3.398	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	M5	X	.083	.083	0	%100
2	M5	Z	-.048	-.048	0	%100
3	M6	X	1.086	1.086	0	%100
4	M6	Z	-.627	-.627	0	%100
5	M7	X	.849	.849	0	%100
6	M7	Z	-.49	-.49	0	%100
7	M8	X	.083	.083	0	%100
8	M8	Z	-.048	-.048	0	%100
9	M9	X	1.086	1.086	0	%100
10	M9	Z	-.627	-.627	0	%100
11	FACE	X	.849	.849	0	%100
12	FACE	Z	-.49	-.49	0	%100
13	M11	X	.221	.221	0	%100
14	M11	Z	-.128	-.128	0	%100
15	M12	X	2.89	2.89	0	%100
16	M12	Z	-1.668	-1.668	0	%100
17	M13	X	.221	.221	0	%100
18	M13	Z	-.128	-.128	0	%100
19	M14	X	2.89	2.89	0	%100
20	M14	Z	-1.668	-1.668	0	%100
21	M15	X	2.644	2.644	0	%100
22	M15	Z	-1.527	-1.527	0	%100
23	M16	X	2.583	2.583	0	%100
24	M16	Z	-1.492	-1.492	0	%100
25	M17	X	2.644	2.644	0	%100
26	M17	Z	-1.527	-1.527	0	%100
27	M18	X	2.583	2.583	0	%100
28	M18	Z	-1.492	-1.492	0	%100
29	M19	X	2.657	2.657	0	%100
30	M19	Z	-1.534	-1.534	0	%100
31	M20	X	2.644	2.644	0	%100
32	M20	Z	-1.527	-1.527	0	%100
33	M21	X	2.644	2.644	0	%100
34	M21	Z	-1.527	-1.527	0	%100
35	M22	X	2.384	2.384	0	%100
36	M22	Z	-1.376	-1.376	0	%100
37	M23	X	2.384	2.384	0	%100
38	M23	Z	-1.376	-1.376	0	%100
39	M24	X	2.428	2.428	0	%100
40	M24	Z	-1.402	-1.402	0	%100
41	M25	X	2.657	2.657	0	%100
42	M25	Z	-1.534	-1.534	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M26	X	2.644	2.644	0	%100
44	M26	Z	-1.527	-1.527	0	%100
45	M27	X	1.822	1.822	0	%100
46	M27	Z	-1.052	-1.052	0	%100
47	M28	X	2.644	2.644	0	%100
48	M28	Z	-1.527	-1.527	0	%100
49	M29	X	1.822	1.822	0	%100
50	M29	Z	-1.052	-1.052	0	%100
51	M30	X	2.657	2.657	0	%100
52	M30	Z	-1.534	-1.534	0	%100
53	M31	X	2.644	2.644	0	%100
54	M31	Z	-1.527	-1.527	0	%100
55	M32	X	2.644	2.644	0	%100
56	M32	Z	-1.527	-1.527	0	%100
57	M33	X	2.384	2.384	0	%100
58	M33	Z	-1.376	-1.376	0	%100
59	M34	X	2.384	2.384	0	%100
60	M34	Z	-1.376	-1.376	0	%100
61	M35	X	2.428	2.428	0	%100
62	M35	Z	-1.402	-1.402	0	%100
63	M36	X	2.657	2.657	0	%100
64	M36	Z	-1.534	-1.534	0	%100
65	MP1A	X	3.082	3.082	0	%100
66	MP1A	Z	-1.779	-1.779	0	%100
67	M46	X	1.932	1.932	0	%100
68	M46	Z	-1.116	-1.116	0	%100
69	MP2A	X	3.053	3.053	0	%100
70	MP2A	Z	-1.763	-1.763	0	%100
71	MP4A	X	3.082	3.082	0	%100
72	MP4A	Z	-1.779	-1.779	0	%100
73	MP3	X	2.99	2.99	0	%100
74	MP3	Z	-1.726	-1.726	0	%100
75	M56	X	.936	.936	0	%100
76	M56	Z	-.54	-.54	0	%100
77	M57	X	.936	.936	0	%100
78	M57	Z	-.54	-.54	0	%100
79	M58	X	.936	.936	0	%100
80	M58	Z	-.54	-.54	0	%100
81	M59	X	.936	.936	0	%100
82	M59	Z	-.54	-.54	0	%100
83	MP3A	X	3.398	3.398	0	%100
84	MP3A	Z	-1.962	-1.962	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	M5	X	.682	.682	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.682	.682	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.682	.682	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.682	.682	0	%100
10	M9	Z	0	0	0	%100
11	FACE	X	0	0	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,%]
12	FACE	Z	0	0	0	%100
13	M11	X	1.813	1.813	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	1.813	1.813	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	1.813	1.813	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	1.813	1.813	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	3.62	3.62	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	2.548	2.548	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	3.62	3.62	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	2.548	2.548	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	3.62	3.62	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	3.62	3.62	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	3.62	3.62	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	2.753	2.753	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	2.753	2.753	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	2.804	2.804	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	3.62	3.62	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	3.62	3.62	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	2.548	2.548	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	3.62	3.62	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	2.548	2.548	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	3.62	3.62	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	3.62	3.62	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	3.62	3.62	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	2.753	2.753	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	2.753	2.753	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	2.804	2.804	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	3.62	3.62	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	3.558	3.558	0	%100
66	MP1A	Z	0	0	0	%100
67	M46	X	3.302	3.302	0	%100
68	M46	Z	0	0	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,%]
69	MP2A	X	3.525	3.525	0	%100
70	MP2A	Z	0	0	0	%100
71	MP4A	X	3.558	3.558	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3	X	3.453	3.453	0	%100
74	MP3	Z	0	0	0	%100
75	M56	X	1.441	1.441	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	1.441	1.441	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	1.441	1.441	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	1.441	1.441	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	3.924	3.924	0	%100
84	MP3A	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	M5	X	1.086	1.086	0	%100
2	M5	Z	.627	.627	0	%100
3	M6	X	.083	.083	0	%100
4	M6	Z	.048	.048	0	%100
5	M7	X	.849	.849	0	%100
6	M7	Z	.49	.49	0	%100
7	M8	X	1.086	1.086	0	%100
8	M8	Z	.627	.627	0	%100
9	M9	X	.083	.083	0	%100
10	M9	Z	.048	.048	0	%100
11	FACE	X	.849	.849	0	%100
12	FACE	Z	.49	.49	0	%100
13	M11	X	2.89	2.89	0	%100
14	M11	Z	1.668	1.668	0	%100
15	M12	X	.221	.221	0	%100
16	M12	Z	.128	.128	0	%100
17	M13	X	2.89	2.89	0	%100
18	M13	Z	1.668	1.668	0	%100
19	M14	X	.221	.221	0	%100
20	M14	Z	.128	.128	0	%100
21	M15	X	2.644	2.644	0	%100
22	M15	Z	1.527	1.527	0	%100
23	M16	X	1.822	1.822	0	%100
24	M16	Z	1.052	1.052	0	%100
25	M17	X	2.644	2.644	0	%100
26	M17	Z	1.527	1.527	0	%100
27	M18	X	1.822	1.822	0	%100
28	M18	Z	1.052	1.052	0	%100
29	M19	X	2.657	2.657	0	%100
30	M19	Z	1.534	1.534	0	%100
31	M20	X	2.644	2.644	0	%100
32	M20	Z	1.527	1.527	0	%100
33	M21	X	2.644	2.644	0	%100
34	M21	Z	1.527	1.527	0	%100
35	M22	X	2.384	2.384	0	%100
36	M22	Z	1.376	1.376	0	%100
37	M23	X	2.384	2.384	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
38	M23	Z	1.376	1.376	0	%100
39	M24	X	2.428	2.428	0	%100
40	M24	Z	1.402	1.402	0	%100
41	M25	X	2.657	2.657	0	%100
42	M25	Z	1.534	1.534	0	%100
43	M26	X	2.644	2.644	0	%100
44	M26	Z	1.527	1.527	0	%100
45	M27	X	2.583	2.583	0	%100
46	M27	Z	1.492	1.492	0	%100
47	M28	X	2.644	2.644	0	%100
48	M28	Z	1.527	1.527	0	%100
49	M29	X	2.583	2.583	0	%100
50	M29	Z	1.492	1.492	0	%100
51	M30	X	2.657	2.657	0	%100
52	M30	Z	1.534	1.534	0	%100
53	M31	X	2.644	2.644	0	%100
54	M31	Z	1.527	1.527	0	%100
55	M32	X	2.644	2.644	0	%100
56	M32	Z	1.527	1.527	0	%100
57	M33	X	2.384	2.384	0	%100
58	M33	Z	1.376	1.376	0	%100
59	M34	X	2.384	2.384	0	%100
60	M34	Z	1.376	1.376	0	%100
61	M35	X	2.428	2.428	0	%100
62	M35	Z	1.402	1.402	0	%100
63	M36	X	2.657	2.657	0	%100
64	M36	Z	1.534	1.534	0	%100
65	MP1A	X	3.082	3.082	0	%100
66	MP1A	Z	1.779	1.779	0	%100
67	M46	X	2.528	2.528	0	%100
68	M46	Z	1.46	1.46	0	%100
69	MP2A	X	3.053	3.053	0	%100
70	MP2A	Z	1.763	1.763	0	%100
71	MP4A	X	3.082	3.082	0	%100
72	MP4A	Z	1.779	1.779	0	%100
73	MP3	X	2.99	2.99	0	%100
74	MP3	Z	1.726	1.726	0	%100
75	M56	X	.936	.936	0	%100
76	M56	Z	.54	.54	0	%100
77	M57	X	.936	.936	0	%100
78	M57	Z	.54	.54	0	%100
79	M58	X	.936	.936	0	%100
80	M58	Z	.54	.54	0	%100
81	M59	X	.936	.936	0	%100
82	M59	Z	.54	.54	0	%100
83	MP3A	X	3.398	3.398	0	%100
84	MP3A	Z	1.962	1.962	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	M5	X	.621	.621	0	%100
2	M5	Z	1.075	1.075	0	%100
3	M6	X	.042	.042	0	%100
4	M6	Z	.072	.072	0	%100
5	M7	X	1.471	1.471	0	%100
6	M7	Z	2.548	2.548	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,%]
7	M8	X	.621	.621	0	%100
8	M8	Z	1.075	1.075	0	%100
9	M9	X	.042	.042	0	%100
10	M9	Z	.072	.072	0	%100
11	FACE	X	1.471	1.471	0	%100
12	FACE	Z	2.548	2.548	0	%100
13	M11	X	1.651	1.651	0	%100
14	M11	Z	2.86	2.86	0	%100
15	M12	X	.111	.111	0	%100
16	M12	Z	.192	.192	0	%100
17	M13	X	1.651	1.651	0	%100
18	M13	Z	2.86	2.86	0	%100
19	M14	X	.111	.111	0	%100
20	M14	Z	.192	.192	0	%100
21	M15	X	.96	.96	0	%100
22	M15	Z	1.663	1.663	0	%100
23	M16	X	1.047	1.047	0	%100
24	M16	Z	1.813	1.813	0	%100
25	M17	X	.96	.96	0	%100
26	M17	Z	1.663	1.663	0	%100
27	M18	X	1.047	1.047	0	%100
28	M18	Z	1.813	1.813	0	%100
29	M19	X	.982	.982	0	%100
30	M19	Z	1.7	1.7	0	%100
31	M20	X	.96	.96	0	%100
32	M20	Z	1.663	1.663	0	%100
33	M21	X	.96	.96	0	%100
34	M21	Z	1.663	1.663	0	%100
35	M22	X	1.376	1.376	0	%100
36	M22	Z	2.384	2.384	0	%100
37	M23	X	1.376	1.376	0	%100
38	M23	Z	2.384	2.384	0	%100
39	M24	X	1.402	1.402	0	%100
40	M24	Z	2.428	2.428	0	%100
41	M25	X	.982	.982	0	%100
42	M25	Z	1.7	1.7	0	%100
43	M26	X	.96	.96	0	%100
44	M26	Z	1.663	1.663	0	%100
45	M27	X	1.487	1.487	0	%100
46	M27	Z	2.575	2.575	0	%100
47	M28	X	.96	.96	0	%100
48	M28	Z	1.663	1.663	0	%100
49	M29	X	1.487	1.487	0	%100
50	M29	Z	2.575	2.575	0	%100
51	M30	X	.982	.982	0	%100
52	M30	Z	1.7	1.7	0	%100
53	M31	X	.96	.96	0	%100
54	M31	Z	1.663	1.663	0	%100
55	M32	X	.96	.96	0	%100
56	M32	Z	1.663	1.663	0	%100
57	M33	X	1.376	1.376	0	%100
58	M33	Z	2.384	2.384	0	%100
59	M34	X	1.376	1.376	0	%100
60	M34	Z	2.384	2.384	0	%100
61	M35	X	1.402	1.402	0	%100
62	M35	Z	2.428	2.428	0	%100
63	M36	X	.982	.982	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,%]
64	M36	Z	1.7	1.7	0	%100
65	MP1A	X	1.779	1.779	0	%100
66	MP1A	Z	3.082	3.082	0	%100
67	M46	X	.732	.732	0	%100
68	M46	Z	1.268	1.268	0	%100
69	MP2A	X	1.763	1.763	0	%100
70	MP2A	Z	3.053	3.053	0	%100
71	MP4A	X	1.779	1.779	0	%100
72	MP4A	Z	3.082	3.082	0	%100
73	MP3	X	1.726	1.726	0	%100
74	MP3	Z	2.99	2.99	0	%100
75	M56	X	.18	.18	0	%100
76	M56	Z	.312	.312	0	%100
77	M57	X	.18	.18	0	%100
78	M57	Z	.312	.312	0	%100
79	M58	X	.18	.18	0	%100
80	M58	Z	.312	.312	0	%100
81	M59	X	.18	.18	0	%100
82	M59	Z	.312	.312	0	%100
83	MP3A	X	1.962	1.962	0	%100
84	MP3A	Z	3.398	3.398	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	M5	X	0	0	0	%100
2	M5	Z	.656	.656	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.656	.656	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	3.924	3.924	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	.656	.656	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.656	.656	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	3.924	3.924	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	1.745	1.745	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	1.745	1.745	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	1.745	1.745	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	1.745	1.745	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	1.353	1.353	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	2.529	2.529	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.353	1.353	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	2.529	2.529	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	1.411	1.411	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.353	1.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M21	X	0	0	0	%100
34	M21	Z	1.353	1.353	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	2.753	2.753	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	2.753	2.753	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	2.804	2.804	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	1.411	1.411	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	1.353	1.353	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	2.529	2.529	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	1.353	1.353	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	2.529	2.529	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	1.411	1.411	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	1.353	1.353	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	1.353	1.353	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	2.753	2.753	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	2.753	2.753	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	2.804	2.804	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	1.411	1.411	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	3.558	3.558	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	.393	.393	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	3.525	3.525	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	3.558	3.558	0	%100
73	MP3	X	0	0	0	%100
74	MP3	Z	3.453	3.453	0	%100
75	M56	X	0	0	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	0	0	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	0	0	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	3.924	3.924	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	M5	X	-.042	-.042	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M5	Z	.072	.072	0	%100
3	M6	X	-.621	-.621	0	%100
4	M6	Z	1.075	1.075	0	%100
5	M7	X	-1.471	-1.471	0	%100
6	M7	Z	2.548	2.548	0	%100
7	M8	X	-.042	-.042	0	%100
8	M8	Z	.072	.072	0	%100
9	M9	X	-.621	-.621	0	%100
10	M9	Z	1.075	1.075	0	%100
11	FACE	X	-1.471	-1.471	0	%100
12	FACE	Z	2.548	2.548	0	%100
13	M11	X	-.111	-.111	0	%100
14	M11	Z	.192	.192	0	%100
15	M12	X	-1.651	-1.651	0	%100
16	M12	Z	2.86	2.86	0	%100
17	M13	X	-.111	-.111	0	%100
18	M13	Z	.192	.192	0	%100
19	M14	X	-1.651	-1.651	0	%100
20	M14	Z	2.86	2.86	0	%100
21	M15	X	-.96	-.96	0	%100
22	M15	Z	1.663	1.663	0	%100
23	M16	X	-1.487	-1.487	0	%100
24	M16	Z	2.575	2.575	0	%100
25	M17	X	-.96	-.96	0	%100
26	M17	Z	1.663	1.663	0	%100
27	M18	X	-1.487	-1.487	0	%100
28	M18	Z	2.575	2.575	0	%100
29	M19	X	-.982	-.982	0	%100
30	M19	Z	1.7	1.7	0	%100
31	M20	X	-.96	-.96	0	%100
32	M20	Z	1.663	1.663	0	%100
33	M21	X	-.96	-.96	0	%100
34	M21	Z	1.663	1.663	0	%100
35	M22	X	-1.376	-1.376	0	%100
36	M22	Z	2.384	2.384	0	%100
37	M23	X	-1.376	-1.376	0	%100
38	M23	Z	2.384	2.384	0	%100
39	M24	X	-1.402	-1.402	0	%100
40	M24	Z	2.428	2.428	0	%100
41	M25	X	-.982	-.982	0	%100
42	M25	Z	1.7	1.7	0	%100
43	M26	X	-.96	-.96	0	%100
44	M26	Z	1.663	1.663	0	%100
45	M27	X	-1.047	-1.047	0	%100
46	M27	Z	1.813	1.813	0	%100
47	M28	X	-.96	-.96	0	%100
48	M28	Z	1.663	1.663	0	%100
49	M29	X	-1.047	-1.047	0	%100
50	M29	Z	1.813	1.813	0	%100
51	M30	X	-.982	-.982	0	%100
52	M30	Z	1.7	1.7	0	%100
53	M31	X	-.96	-.96	0	%100
54	M31	Z	1.663	1.663	0	%100
55	M32	X	-.96	-.96	0	%100
56	M32	Z	1.663	1.663	0	%100
57	M33	X	-1.376	-1.376	0	%100
58	M33	Z	2.384	2.384	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M34	X	-1.376	-1.376	0	%100
60	M34	Z	2.384	2.384	0	%100
61	M35	X	-1.402	-1.402	0	%100
62	M35	Z	2.428	2.428	0	%100
63	M36	X	-.982	-.982	0	%100
64	M36	Z	1.7	1.7	0	%100
65	MP1A	X	-1.779	-1.779	0	%100
66	MP1A	Z	3.082	3.082	0	%100
67	M46	X	-.388	-.388	0	%100
68	M46	Z	.673	.673	0	%100
69	MP2A	X	-1.763	-1.763	0	%100
70	MP2A	Z	3.053	3.053	0	%100
71	MP4A	X	-1.779	-1.779	0	%100
72	MP4A	Z	3.082	3.082	0	%100
73	MP3	X	-1.726	-1.726	0	%100
74	MP3	Z	2.99	2.99	0	%100
75	M56	X	-.18	-.18	0	%100
76	M56	Z	.312	.312	0	%100
77	M57	X	-.18	-.18	0	%100
78	M57	Z	.312	.312	0	%100
79	M58	X	-.18	-.18	0	%100
80	M58	Z	.312	.312	0	%100
81	M59	X	-.18	-.18	0	%100
82	M59	Z	.312	.312	0	%100
83	MP3A	X	-1.962	-1.962	0	%100
84	MP3A	Z	3.398	3.398	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	M5	X	-.083	-.083	0	%100
2	M5	Z	.048	.048	0	%100
3	M6	X	-1.086	-1.086	0	%100
4	M6	Z	.627	.627	0	%100
5	M7	X	-.849	-.849	0	%100
6	M7	Z	.49	.49	0	%100
7	M8	X	-.083	-.083	0	%100
8	M8	Z	.048	.048	0	%100
9	M9	X	-1.086	-1.086	0	%100
10	M9	Z	.627	.627	0	%100
11	FACE	X	-.849	-.849	0	%100
12	FACE	Z	.49	.49	0	%100
13	M11	X	-.221	-.221	0	%100
14	M11	Z	.128	.128	0	%100
15	M12	X	-2.89	-2.89	0	%100
16	M12	Z	1.668	1.668	0	%100
17	M13	X	-.221	-.221	0	%100
18	M13	Z	.128	.128	0	%100
19	M14	X	-2.89	-2.89	0	%100
20	M14	Z	1.668	1.668	0	%100
21	M15	X	-2.644	-2.644	0	%100
22	M15	Z	1.527	1.527	0	%100
23	M16	X	-2.583	-2.583	0	%100
24	M16	Z	1.492	1.492	0	%100
25	M17	X	-2.644	-2.644	0	%100
26	M17	Z	1.527	1.527	0	%100
27	M18	X	-2.583	-2.583	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,%]
28	M18	Z	1.492	1.492	0	%100
29	M19	X	-2.657	-2.657	0	%100
30	M19	Z	1.534	1.534	0	%100
31	M20	X	-2.644	-2.644	0	%100
32	M20	Z	1.527	1.527	0	%100
33	M21	X	-2.644	-2.644	0	%100
34	M21	Z	1.527	1.527	0	%100
35	M22	X	-2.384	-2.384	0	%100
36	M22	Z	1.376	1.376	0	%100
37	M23	X	-2.384	-2.384	0	%100
38	M23	Z	1.376	1.376	0	%100
39	M24	X	-2.428	-2.428	0	%100
40	M24	Z	1.402	1.402	0	%100
41	M25	X	-2.657	-2.657	0	%100
42	M25	Z	1.534	1.534	0	%100
43	M26	X	-2.644	-2.644	0	%100
44	M26	Z	1.527	1.527	0	%100
45	M27	X	-1.822	-1.822	0	%100
46	M27	Z	1.052	1.052	0	%100
47	M28	X	-2.644	-2.644	0	%100
48	M28	Z	1.527	1.527	0	%100
49	M29	X	-1.822	-1.822	0	%100
50	M29	Z	1.052	1.052	0	%100
51	M30	X	-2.657	-2.657	0	%100
52	M30	Z	1.534	1.534	0	%100
53	M31	X	-2.644	-2.644	0	%100
54	M31	Z	1.527	1.527	0	%100
55	M32	X	-2.644	-2.644	0	%100
56	M32	Z	1.527	1.527	0	%100
57	M33	X	-2.384	-2.384	0	%100
58	M33	Z	1.376	1.376	0	%100
59	M34	X	-2.384	-2.384	0	%100
60	M34	Z	1.376	1.376	0	%100
61	M35	X	-2.428	-2.428	0	%100
62	M35	Z	1.402	1.402	0	%100
63	M36	X	-2.657	-2.657	0	%100
64	M36	Z	1.534	1.534	0	%100
65	MP1A	X	-3.082	-3.082	0	%100
66	MP1A	Z	1.779	1.779	0	%100
67	M46	X	-1.932	-1.932	0	%100
68	M46	Z	1.116	1.116	0	%100
69	MP2A	X	-3.053	-3.053	0	%100
70	MP2A	Z	1.763	1.763	0	%100
71	MP4A	X	-3.082	-3.082	0	%100
72	MP4A	Z	1.779	1.779	0	%100
73	MP3	X	-2.99	-2.99	0	%100
74	MP3	Z	1.726	1.726	0	%100
75	M56	X	-.936	-.936	0	%100
76	M56	Z	.54	.54	0	%100
77	M57	X	-.936	-.936	0	%100
78	M57	Z	.54	.54	0	%100
79	M58	X	-.936	-.936	0	%100
80	M58	Z	.54	.54	0	%100
81	M59	X	-.936	-.936	0	%100
82	M59	Z	.54	.54	0	%100
83	MP3A	X	-3.398	-3.398	0	%100
84	MP3A	Z	1.962	1.962	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	M5	X	-.682	-.682	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.682	-.682	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.682	-.682	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.682	-.682	0	%100
10	M9	Z	0	0	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	0	0	0	%100
13	M11	X	-1.813	-1.813	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-1.813	-1.813	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-1.813	-1.813	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-1.813	-1.813	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-3.62	-3.62	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-2.548	-2.548	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-3.62	-3.62	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-2.548	-2.548	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-3.62	-3.62	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-3.62	-3.62	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-3.62	-3.62	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-2.753	-2.753	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	-2.753	-2.753	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-2.804	-2.804	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-3.62	-3.62	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-3.62	-3.62	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-2.548	-2.548	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-3.62	-3.62	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-2.548	-2.548	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-3.62	-3.62	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-3.62	-3.62	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-3.62	-3.62	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-2.753	-2.753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M33	Z	0	0	0	%100
59	M34	X	-2.753	-2.753	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-2.804	-2.804	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-3.62	-3.62	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	-3.558	-3.558	0	%100
66	MP1A	Z	0	0	0	%100
67	M46	X	-3.302	-3.302	0	%100
68	M46	Z	0	0	0	%100
69	MP2A	X	-3.525	-3.525	0	%100
70	MP2A	Z	0	0	0	%100
71	MP4A	X	-3.558	-3.558	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3	X	-3.453	-3.453	0	%100
74	MP3	Z	0	0	0	%100
75	M56	X	-1.441	-1.441	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	-1.441	-1.441	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	-1.441	-1.441	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	-1.441	-1.441	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	-3.924	-3.924	0	%100
84	MP3A	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	M5	X	-1.086	-1.086	0	%100
2	M5	Z	-.627	-.627	0	%100
3	M6	X	-.083	-.083	0	%100
4	M6	Z	-.048	-.048	0	%100
5	M7	X	-.849	-.849	0	%100
6	M7	Z	-.49	-.49	0	%100
7	M8	X	-1.086	-1.086	0	%100
8	M8	Z	-.627	-.627	0	%100
9	M9	X	-.083	-.083	0	%100
10	M9	Z	-.048	-.048	0	%100
11	FACE	X	-.849	-.849	0	%100
12	FACE	Z	-.49	-.49	0	%100
13	M11	X	-2.89	-2.89	0	%100
14	M11	Z	-1.668	-1.668	0	%100
15	M12	X	-.221	-.221	0	%100
16	M12	Z	-.128	-.128	0	%100
17	M13	X	-2.89	-2.89	0	%100
18	M13	Z	-1.668	-1.668	0	%100
19	M14	X	-.221	-.221	0	%100
20	M14	Z	-.128	-.128	0	%100
21	M15	X	-2.644	-2.644	0	%100
22	M15	Z	-1.527	-1.527	0	%100
23	M16	X	-1.822	-1.822	0	%100
24	M16	Z	-1.052	-1.052	0	%100
25	M17	X	-2.644	-2.644	0	%100
26	M17	Z	-1.527	-1.527	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,%]
27	M18	X	-1.822	-1.822	0	%100
28	M18	Z	-1.052	-1.052	0	%100
29	M19	X	-2.657	-2.657	0	%100
30	M19	Z	-1.534	-1.534	0	%100
31	M20	X	-2.644	-2.644	0	%100
32	M20	Z	-1.527	-1.527	0	%100
33	M21	X	-2.644	-2.644	0	%100
34	M21	Z	-1.527	-1.527	0	%100
35	M22	X	-2.384	-2.384	0	%100
36	M22	Z	-1.376	-1.376	0	%100
37	M23	X	-2.384	-2.384	0	%100
38	M23	Z	-1.376	-1.376	0	%100
39	M24	X	-2.428	-2.428	0	%100
40	M24	Z	-1.402	-1.402	0	%100
41	M25	X	-2.657	-2.657	0	%100
42	M25	Z	-1.534	-1.534	0	%100
43	M26	X	-2.644	-2.644	0	%100
44	M26	Z	-1.527	-1.527	0	%100
45	M27	X	-2.583	-2.583	0	%100
46	M27	Z	-1.492	-1.492	0	%100
47	M28	X	-2.644	-2.644	0	%100
48	M28	Z	-1.527	-1.527	0	%100
49	M29	X	-2.583	-2.583	0	%100
50	M29	Z	-1.492	-1.492	0	%100
51	M30	X	-2.657	-2.657	0	%100
52	M30	Z	-1.534	-1.534	0	%100
53	M31	X	-2.644	-2.644	0	%100
54	M31	Z	-1.527	-1.527	0	%100
55	M32	X	-2.644	-2.644	0	%100
56	M32	Z	-1.527	-1.527	0	%100
57	M33	X	-2.384	-2.384	0	%100
58	M33	Z	-1.376	-1.376	0	%100
59	M34	X	-2.384	-2.384	0	%100
60	M34	Z	-1.376	-1.376	0	%100
61	M35	X	-2.428	-2.428	0	%100
62	M35	Z	-1.402	-1.402	0	%100
63	M36	X	-2.657	-2.657	0	%100
64	M36	Z	-1.534	-1.534	0	%100
65	MP1A	X	-3.082	-3.082	0	%100
66	MP1A	Z	-1.779	-1.779	0	%100
67	M46	X	-2.528	-2.528	0	%100
68	M46	Z	-1.46	-1.46	0	%100
69	MP2A	X	-3.053	-3.053	0	%100
70	MP2A	Z	-1.763	-1.763	0	%100
71	MP4A	X	-3.082	-3.082	0	%100
72	MP4A	Z	-1.779	-1.779	0	%100
73	MP3	X	-2.99	-2.99	0	%100
74	MP3	Z	-1.726	-1.726	0	%100
75	M56	X	-.936	-.936	0	%100
76	M56	Z	-.54	-.54	0	%100
77	M57	X	-.936	-.936	0	%100
78	M57	Z	-.54	-.54	0	%100
79	M58	X	-.936	-.936	0	%100
80	M58	Z	-.54	-.54	0	%100
81	M59	X	-.936	-.936	0	%100
82	M59	Z	-.54	-.54	0	%100
83	MP3A	X	-3.398	-3.398	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,%]
84	MP3A	Z	-1.962	-1.962	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	M5	X	-.621	-.621	0	%100
2	M5	Z	-1.075	-1.075	0	%100
3	M6	X	-.042	-.042	0	%100
4	M6	Z	-.072	-.072	0	%100
5	M7	X	-1.471	-1.471	0	%100
6	M7	Z	-2.548	-2.548	0	%100
7	M8	X	-.621	-.621	0	%100
8	M8	Z	-1.075	-1.075	0	%100
9	M9	X	-.042	-.042	0	%100
10	M9	Z	-.072	-.072	0	%100
11	FACE	X	-1.471	-1.471	0	%100
12	FACE	Z	-2.548	-2.548	0	%100
13	M11	X	-1.651	-1.651	0	%100
14	M11	Z	-2.86	-2.86	0	%100
15	M12	X	-.111	-.111	0	%100
16	M12	Z	-.192	-.192	0	%100
17	M13	X	-1.651	-1.651	0	%100
18	M13	Z	-2.86	-2.86	0	%100
19	M14	X	-.111	-.111	0	%100
20	M14	Z	-.192	-.192	0	%100
21	M15	X	-.96	-.96	0	%100
22	M15	Z	-1.663	-1.663	0	%100
23	M16	X	-1.047	-1.047	0	%100
24	M16	Z	-1.813	-1.813	0	%100
25	M17	X	-.96	-.96	0	%100
26	M17	Z	-1.663	-1.663	0	%100
27	M18	X	-1.047	-1.047	0	%100
28	M18	Z	-1.813	-1.813	0	%100
29	M19	X	-.982	-.982	0	%100
30	M19	Z	-1.7	-1.7	0	%100
31	M20	X	-.96	-.96	0	%100
32	M20	Z	-1.663	-1.663	0	%100
33	M21	X	-.96	-.96	0	%100
34	M21	Z	-1.663	-1.663	0	%100
35	M22	X	-1.376	-1.376	0	%100
36	M22	Z	-2.384	-2.384	0	%100
37	M23	X	-1.376	-1.376	0	%100
38	M23	Z	-2.384	-2.384	0	%100
39	M24	X	-1.402	-1.402	0	%100
40	M24	Z	-2.428	-2.428	0	%100
41	M25	X	-.982	-.982	0	%100
42	M25	Z	-1.7	-1.7	0	%100
43	M26	X	-.96	-.96	0	%100
44	M26	Z	-1.663	-1.663	0	%100
45	M27	X	-1.487	-1.487	0	%100
46	M27	Z	-2.575	-2.575	0	%100
47	M28	X	-.96	-.96	0	%100
48	M28	Z	-1.663	-1.663	0	%100
49	M29	X	-1.487	-1.487	0	%100
50	M29	Z	-2.575	-2.575	0	%100
51	M30	X	-.982	-.982	0	%100
52	M30	Z	-1.7	-1.7	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M31	X	-.96	-.96	0	%100
54	M31	Z	-1.663	-1.663	0	%100
55	M32	X	-.96	-.96	0	%100
56	M32	Z	-1.663	-1.663	0	%100
57	M33	X	-1.376	-1.376	0	%100
58	M33	Z	-2.384	-2.384	0	%100
59	M34	X	-1.376	-1.376	0	%100
60	M34	Z	-2.384	-2.384	0	%100
61	M35	X	-1.402	-1.402	0	%100
62	M35	Z	-2.428	-2.428	0	%100
63	M36	X	-.982	-.982	0	%100
64	M36	Z	-1.7	-1.7	0	%100
65	MP1A	X	-1.779	-1.779	0	%100
66	MP1A	Z	-3.082	-3.082	0	%100
67	M46	X	-.732	-.732	0	%100
68	M46	Z	-1.268	-1.268	0	%100
69	MP2A	X	-1.763	-1.763	0	%100
70	MP2A	Z	-3.053	-3.053	0	%100
71	MP4A	X	-1.779	-1.779	0	%100
72	MP4A	Z	-3.082	-3.082	0	%100
73	MP3	X	-1.726	-1.726	0	%100
74	MP3	Z	-2.99	-2.99	0	%100
75	M56	X	-.18	-.18	0	%100
76	M56	Z	-.312	-.312	0	%100
77	M57	X	-.18	-.18	0	%100
78	M57	Z	-.312	-.312	0	%100
79	M58	X	-.18	-.18	0	%100
80	M58	Z	-.312	-.312	0	%100
81	M59	X	-.18	-.18	0	%100
82	M59	Z	-.312	-.312	0	%100
83	MP3A	X	-1.962	-1.962	0	%100
84	MP3A	Z	-3.398	-3.398	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	M5	X	0	0	0	%100
2	M5	Z	-.048	-.048	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	-.048	-.048	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	-.756	-.756	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-.048	-.048	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-.048	-.048	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	-.756	-.756	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-.306	-.306	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-.306	-.306	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-.306	-.306	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	-.306	-.306	0	%100
21	M15	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,%]
22	M15	Z	-.104	-.104	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-.415	-.415	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-.104	-.104	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-.415	-.415	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.125	-.125	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-.104	-.104	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-.104	-.104	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	-.453	-.453	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	-.453	-.453	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	-.496	-.496	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	-.125	-.125	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	-.104	-.104	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	-.415	-.415	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	-.104	-.104	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	-.415	-.415	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	-.125	-.125	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	-.104	-.104	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	-.104	-.104	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	-.453	-.453	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	-.453	-.453	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	-.496	-.496	0	%100
63	M36	X	0	0	0	%100
64	M36	Z	-.125	-.125	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	-.624	-.624	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	-.07	-.07	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-.624	-.624	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	-.624	-.624	0	%100
73	MP3	X	0	0	0	%100
74	MP3	Z	-.613	-.613	0	%100
75	M56	X	0	0	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	0	0	0	%100
78	M57	Z	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,%]
79	M58	X	0	0	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	-.756	-.756	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	M5	X	.003	.003	0	%100
2	M5	Z	-.005	-.005	0	%100
3	M6	X	.046	.046	0	%100
4	M6	Z	-.079	-.079	0	%100
5	M7	X	.283	.283	0	%100
6	M7	Z	-.491	-.491	0	%100
7	M8	X	.003	.003	0	%100
8	M8	Z	-.005	-.005	0	%100
9	M9	X	.046	.046	0	%100
10	M9	Z	-.079	-.079	0	%100
11	FACE	X	.283	.283	0	%100
12	FACE	Z	-.491	-.491	0	%100
13	M11	X	.019	.019	0	%100
14	M11	Z	-.034	-.034	0	%100
15	M12	X	.29	.29	0	%100
16	M12	Z	-.502	-.502	0	%100
17	M13	X	.019	.019	0	%100
18	M13	Z	-.034	-.034	0	%100
19	M14	X	.29	.29	0	%100
20	M14	Z	-.502	-.502	0	%100
21	M15	X	.154	.154	0	%100
22	M15	Z	-.267	-.267	0	%100
23	M16	X	.244	.244	0	%100
24	M16	Z	-.422	-.422	0	%100
25	M17	X	.154	.154	0	%100
26	M17	Z	-.267	-.267	0	%100
27	M18	X	.244	.244	0	%100
28	M18	Z	-.422	-.422	0	%100
29	M19	X	.162	.162	0	%100
30	M19	Z	-.28	-.28	0	%100
31	M20	X	.154	.154	0	%100
32	M20	Z	-.267	-.267	0	%100
33	M21	X	.154	.154	0	%100
34	M21	Z	-.267	-.267	0	%100
35	M22	X	.227	.227	0	%100
36	M22	Z	-.393	-.393	0	%100
37	M23	X	.227	.227	0	%100
38	M23	Z	-.393	-.393	0	%100
39	M24	X	.248	.248	0	%100
40	M24	Z	-.43	-.43	0	%100
41	M25	X	.162	.162	0	%100
42	M25	Z	-.28	-.28	0	%100
43	M26	X	.154	.154	0	%100
44	M26	Z	-.267	-.267	0	%100
45	M27	X	.172	.172	0	%100
46	M27	Z	-.297	-.297	0	%100
47	M28	X	.154	.154	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
48	M28	Z	-.267	-.267	0	%100
49	M29	X	.172	.172	0	%100
50	M29	Z	-.297	-.297	0	%100
51	M30	X	.162	.162	0	%100
52	M30	Z	-.28	-.28	0	%100
53	M31	X	.154	.154	0	%100
54	M31	Z	-.267	-.267	0	%100
55	M32	X	.154	.154	0	%100
56	M32	Z	-.267	-.267	0	%100
57	M33	X	.227	.227	0	%100
58	M33	Z	-.393	-.393	0	%100
59	M34	X	.227	.227	0	%100
60	M34	Z	-.393	-.393	0	%100
61	M35	X	.248	.248	0	%100
62	M35	Z	-.43	-.43	0	%100
63	M36	X	.162	.162	0	%100
64	M36	Z	-.28	-.28	0	%100
65	MP1A	X	.312	.312	0	%100
66	MP1A	Z	-.541	-.541	0	%100
67	M46	X	.069	.069	0	%100
68	M46	Z	-.119	-.119	0	%100
69	MP2A	X	.312	.312	0	%100
70	MP2A	Z	-.541	-.541	0	%100
71	MP4A	X	.312	.312	0	%100
72	MP4A	Z	-.541	-.541	0	%100
73	MP3	X	.306	.306	0	%100
74	MP3	Z	-.531	-.531	0	%100
75	M56	X	.016	.016	0	%100
76	M56	Z	-.028	-.028	0	%100
77	M57	X	.016	.016	0	%100
78	M57	Z	-.028	-.028	0	%100
79	M58	X	.016	.016	0	%100
80	M58	Z	-.028	-.028	0	%100
81	M59	X	.016	.016	0	%100
82	M59	Z	-.028	-.028	0	%100
83	MP3A	X	.378	.378	0	%100
84	MP3A	Z	-.655	-.655	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	M5	X	.006	.006	0	%100
2	M5	Z	-.004	-.004	0	%100
3	M6	X	.08	.08	0	%100
4	M6	Z	-.046	-.046	0	%100
5	M7	X	.164	.164	0	%100
6	M7	Z	-.094	-.094	0	%100
7	M8	X	.006	.006	0	%100
8	M8	Z	-.004	-.004	0	%100
9	M9	X	.08	.08	0	%100
10	M9	Z	-.046	-.046	0	%100
11	FACE	X	.164	.164	0	%100
12	FACE	Z	-.094	-.094	0	%100
13	M11	X	.039	.039	0	%100
14	M11	Z	-.022	-.022	0	%100
15	M12	X	.507	.507	0	%100
16	M12	Z	-.293	-.293	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,%]
17	M13	X	.039	.039	0	%100
18	M13	Z	-.022	-.022	0	%100
19	M14	X	.507	.507	0	%100
20	M14	Z	-.293	-.293	0	%100
21	M15	X	.62	.62	0	%100
22	M15	Z	-.358	-.358	0	%100
23	M16	X	.424	.424	0	%100
24	M16	Z	-.245	-.245	0	%100
25	M17	X	.62	.62	0	%100
26	M17	Z	-.358	-.358	0	%100
27	M18	X	.424	.424	0	%100
28	M18	Z	-.245	-.245	0	%100
29	M19	X	.625	.625	0	%100
30	M19	Z	-.361	-.361	0	%100
31	M20	X	.62	.62	0	%100
32	M20	Z	-.358	-.358	0	%100
33	M21	X	.62	.62	0	%100
34	M21	Z	-.358	-.358	0	%100
35	M22	X	.393	.393	0	%100
36	M22	Z	-.227	-.227	0	%100
37	M23	X	.393	.393	0	%100
38	M23	Z	-.227	-.227	0	%100
39	M24	X	.43	.43	0	%100
40	M24	Z	-.248	-.248	0	%100
41	M25	X	.625	.625	0	%100
42	M25	Z	-.361	-.361	0	%100
43	M26	X	.62	.62	0	%100
44	M26	Z	-.358	-.358	0	%100
45	M27	X	.299	.299	0	%100
46	M27	Z	-.172	-.172	0	%100
47	M28	X	.62	.62	0	%100
48	M28	Z	-.358	-.358	0	%100
49	M29	X	.299	.299	0	%100
50	M29	Z	-.172	-.172	0	%100
51	M30	X	.625	.625	0	%100
52	M30	Z	-.361	-.361	0	%100
53	M31	X	.62	.62	0	%100
54	M31	Z	-.358	-.358	0	%100
55	M32	X	.62	.62	0	%100
56	M32	Z	-.358	-.358	0	%100
57	M33	X	.393	.393	0	%100
58	M33	Z	-.227	-.227	0	%100
59	M34	X	.393	.393	0	%100
60	M34	Z	-.227	-.227	0	%100
61	M35	X	.43	.43	0	%100
62	M35	Z	-.248	-.248	0	%100
63	M36	X	.625	.625	0	%100
64	M36	Z	-.361	-.361	0	%100
65	MP1A	X	.541	.541	0	%100
66	MP1A	Z	-.312	-.312	0	%100
67	M46	X	.343	.343	0	%100
68	M46	Z	-.198	-.198	0	%100
69	MP2A	X	.541	.541	0	%100
70	MP2A	Z	-.312	-.312	0	%100
71	MP4A	X	.541	.541	0	%100
72	MP4A	Z	-.312	-.312	0	%100
73	MP3	X	.531	.531	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,%]
74	MP3	Z	-.306	-.306	0	%100
75	M56	X	.083	.083	0	%100
76	M56	Z	-.048	-.048	0	%100
77	M57	X	.083	.083	0	%100
78	M57	Z	-.048	-.048	0	%100
79	M58	X	.083	.083	0	%100
80	M58	Z	-.048	-.048	0	%100
81	M59	X	.083	.083	0	%100
82	M59	Z	-.048	-.048	0	%100
83	MP3A	X	.655	.655	0	%100
84	MP3A	Z	-.378	-.378	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	M5	X	.05	.05	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	.05	.05	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	.05	.05	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	.05	.05	0	%100
10	M9	Z	0	0	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	0	0	0	%100
13	M11	X	.318	.318	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	.318	.318	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	.318	.318	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	.318	.318	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	.92	.92	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	.418	.418	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.92	.92	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.418	.418	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.92	.92	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.92	.92	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.92	.92	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	.453	.453	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	.453	.453	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	.496	.496	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	.92	.92	0	%100
42	M25	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
43	M26	X	.92	.92	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	.418	.418	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	.92	.92	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	.418	.418	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	.92	.92	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	.92	.92	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	.92	.92	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	.453	.453	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	.453	.453	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	.496	.496	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	.92	.92	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	.624	.624	0	%100
66	MP1A	Z	0	0	0	%100
67	M46	X	.586	.586	0	%100
68	M46	Z	0	0	0	%100
69	MP2A	X	.624	.624	0	%100
70	MP2A	Z	0	0	0	%100
71	MP4A	X	.624	.624	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3	X	.613	.613	0	%100
74	MP3	Z	0	0	0	%100
75	M56	X	.127	.127	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	.127	.127	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	.127	.127	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	.127	.127	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	.756	.756	0	%100
84	MP3A	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	M5	X	.08	.08	0	%100
2	M5	Z	.046	.046	0	%100
3	M6	X	.006	.006	0	%100
4	M6	Z	.004	.004	0	%100
5	M7	X	.164	.164	0	%100
6	M7	Z	.094	.094	0	%100
7	M8	X	.08	.08	0	%100
8	M8	Z	.046	.046	0	%100
9	M9	X	.006	.006	0	%100
10	M9	Z	.004	.004	0	%100
11	FACE	X	.164	.164	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,%]
12	FACE	Z	.094	.094	0	%100
13	M11	X	.507	.507	0	%100
14	M11	Z	.293	.293	0	%100
15	M12	X	.039	.039	0	%100
16	M12	Z	.022	.022	0	%100
17	M13	X	.507	.507	0	%100
18	M13	Z	.293	.293	0	%100
19	M14	X	.039	.039	0	%100
20	M14	Z	.022	.022	0	%100
21	M15	X	.62	.62	0	%100
22	M15	Z	.358	.358	0	%100
23	M16	X	.299	.299	0	%100
24	M16	Z	.172	.172	0	%100
25	M17	X	.62	.62	0	%100
26	M17	Z	.358	.358	0	%100
27	M18	X	.299	.299	0	%100
28	M18	Z	.172	.172	0	%100
29	M19	X	.625	.625	0	%100
30	M19	Z	.361	.361	0	%100
31	M20	X	.62	.62	0	%100
32	M20	Z	.358	.358	0	%100
33	M21	X	.62	.62	0	%100
34	M21	Z	.358	.358	0	%100
35	M22	X	.393	.393	0	%100
36	M22	Z	.227	.227	0	%100
37	M23	X	.393	.393	0	%100
38	M23	Z	.227	.227	0	%100
39	M24	X	.43	.43	0	%100
40	M24	Z	.248	.248	0	%100
41	M25	X	.625	.625	0	%100
42	M25	Z	.361	.361	0	%100
43	M26	X	.62	.62	0	%100
44	M26	Z	.358	.358	0	%100
45	M27	X	.424	.424	0	%100
46	M27	Z	.245	.245	0	%100
47	M28	X	.62	.62	0	%100
48	M28	Z	.358	.358	0	%100
49	M29	X	.424	.424	0	%100
50	M29	Z	.245	.245	0	%100
51	M30	X	.625	.625	0	%100
52	M30	Z	.361	.361	0	%100
53	M31	X	.62	.62	0	%100
54	M31	Z	.358	.358	0	%100
55	M32	X	.62	.62	0	%100
56	M32	Z	.358	.358	0	%100
57	M33	X	.393	.393	0	%100
58	M33	Z	.227	.227	0	%100
59	M34	X	.393	.393	0	%100
60	M34	Z	.227	.227	0	%100
61	M35	X	.43	.43	0	%100
62	M35	Z	.248	.248	0	%100
63	M36	X	.625	.625	0	%100
64	M36	Z	.361	.361	0	%100
65	MP1A	X	.541	.541	0	%100
66	MP1A	Z	.312	.312	0	%100
67	M46	X	.449	.449	0	%100
68	M46	Z	.259	.259	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,%]
69	MP2A	X	.541	.541	0	%100
70	MP2A	Z	.312	.312	0	%100
71	MP4A	X	.541	.541	0	%100
72	MP4A	Z	.312	.312	0	%100
73	MP3	X	.531	.531	0	%100
74	MP3	Z	.306	.306	0	%100
75	M56	X	.083	.083	0	%100
76	M56	Z	.048	.048	0	%100
77	M57	X	.083	.083	0	%100
78	M57	Z	.048	.048	0	%100
79	M58	X	.083	.083	0	%100
80	M58	Z	.048	.048	0	%100
81	M59	X	.083	.083	0	%100
82	M59	Z	.048	.048	0	%100
83	MP3A	X	.655	.655	0	%100
84	MP3A	Z	.378	.378	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	M5	X	.046	.046	0	%100
2	M5	Z	.079	.079	0	%100
3	M6	X	.003	.003	0	%100
4	M6	Z	.005	.005	0	%100
5	M7	X	.283	.283	0	%100
6	M7	Z	.491	.491	0	%100
7	M8	X	.046	.046	0	%100
8	M8	Z	.079	.079	0	%100
9	M9	X	.003	.003	0	%100
10	M9	Z	.005	.005	0	%100
11	FACE	X	.283	.283	0	%100
12	FACE	Z	.491	.491	0	%100
13	M11	X	.29	.29	0	%100
14	M11	Z	.502	.502	0	%100
15	M12	X	.019	.019	0	%100
16	M12	Z	.034	.034	0	%100
17	M13	X	.29	.29	0	%100
18	M13	Z	.502	.502	0	%100
19	M14	X	.019	.019	0	%100
20	M14	Z	.034	.034	0	%100
21	M15	X	.154	.154	0	%100
22	M15	Z	.267	.267	0	%100
23	M16	X	.172	.172	0	%100
24	M16	Z	.297	.297	0	%100
25	M17	X	.154	.154	0	%100
26	M17	Z	.267	.267	0	%100
27	M18	X	.172	.172	0	%100
28	M18	Z	.297	.297	0	%100
29	M19	X	.162	.162	0	%100
30	M19	Z	.28	.28	0	%100
31	M20	X	.154	.154	0	%100
32	M20	Z	.267	.267	0	%100
33	M21	X	.154	.154	0	%100
34	M21	Z	.267	.267	0	%100
35	M22	X	.227	.227	0	%100
36	M22	Z	.393	.393	0	%100
37	M23	X	.227	.227	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,%]
38	M23	Z	.393	.393	0	%100
39	M24	X	.248	.248	0	%100
40	M24	Z	.43	.43	0	%100
41	M25	X	.162	.162	0	%100
42	M25	Z	.28	.28	0	%100
43	M26	X	.154	.154	0	%100
44	M26	Z	.267	.267	0	%100
45	M27	X	.244	.244	0	%100
46	M27	Z	.422	.422	0	%100
47	M28	X	.154	.154	0	%100
48	M28	Z	.267	.267	0	%100
49	M29	X	.244	.244	0	%100
50	M29	Z	.422	.422	0	%100
51	M30	X	.162	.162	0	%100
52	M30	Z	.28	.28	0	%100
53	M31	X	.154	.154	0	%100
54	M31	Z	.267	.267	0	%100
55	M32	X	.154	.154	0	%100
56	M32	Z	.267	.267	0	%100
57	M33	X	.227	.227	0	%100
58	M33	Z	.393	.393	0	%100
59	M34	X	.227	.227	0	%100
60	M34	Z	.393	.393	0	%100
61	M35	X	.248	.248	0	%100
62	M35	Z	.43	.43	0	%100
63	M36	X	.162	.162	0	%100
64	M36	Z	.28	.28	0	%100
65	MP1A	X	.312	.312	0	%100
66	MP1A	Z	.541	.541	0	%100
67	M46	X	.13	.13	0	%100
68	M46	Z	.225	.225	0	%100
69	MP2A	X	.312	.312	0	%100
70	MP2A	Z	.541	.541	0	%100
71	MP4A	X	.312	.312	0	%100
72	MP4A	Z	.541	.541	0	%100
73	MP3	X	.306	.306	0	%100
74	MP3	Z	.531	.531	0	%100
75	M56	X	.016	.016	0	%100
76	M56	Z	.028	.028	0	%100
77	M57	X	.016	.016	0	%100
78	M57	Z	.028	.028	0	%100
79	M58	X	.016	.016	0	%100
80	M58	Z	.028	.028	0	%100
81	M59	X	.016	.016	0	%100
82	M59	Z	.028	.028	0	%100
83	MP3A	X	.378	.378	0	%100
84	MP3A	Z	.655	.655	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	M5	X	0	0	0	%100
2	M5	Z	.048	.048	0	%100
3	M6	X	0	0	0	%100
4	M6	Z	.048	.048	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	.756	.756	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	M8	X	0	0	0	%100
8	M8	Z	.048	.048	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	.048	.048	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	.756	.756	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	.306	.306	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	.306	.306	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	.306	.306	0	%100
19	M14	X	0	0	0	%100
20	M14	Z	.306	.306	0	%100
21	M15	X	0	0	0	%100
22	M15	Z	.104	.104	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	.415	.415	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	.104	.104	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.415	.415	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.125	.125	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	.104	.104	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	.104	.104	0	%100
35	M22	X	0	0	0	%100
36	M22	Z	.453	.453	0	%100
37	M23	X	0	0	0	%100
38	M23	Z	.453	.453	0	%100
39	M24	X	0	0	0	%100
40	M24	Z	.496	.496	0	%100
41	M25	X	0	0	0	%100
42	M25	Z	.125	.125	0	%100
43	M26	X	0	0	0	%100
44	M26	Z	.104	.104	0	%100
45	M27	X	0	0	0	%100
46	M27	Z	.415	.415	0	%100
47	M28	X	0	0	0	%100
48	M28	Z	.104	.104	0	%100
49	M29	X	0	0	0	%100
50	M29	Z	.415	.415	0	%100
51	M30	X	0	0	0	%100
52	M30	Z	.125	.125	0	%100
53	M31	X	0	0	0	%100
54	M31	Z	.104	.104	0	%100
55	M32	X	0	0	0	%100
56	M32	Z	.104	.104	0	%100
57	M33	X	0	0	0	%100
58	M33	Z	.453	.453	0	%100
59	M34	X	0	0	0	%100
60	M34	Z	.453	.453	0	%100
61	M35	X	0	0	0	%100
62	M35	Z	.496	.496	0	%100
63	M36	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
64	M36	Z	.125	.125	0	%100
65	MP1A	X	0	0	0	%100
66	MP1A	Z	.624	.624	0	%100
67	M46	X	0	0	0	%100
68	M46	Z	.07	.07	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	.624	.624	0	%100
71	MP4A	X	0	0	0	%100
72	MP4A	Z	.624	.624	0	%100
73	MP3	X	0	0	0	%100
74	MP3	Z	.613	.613	0	%100
75	M56	X	0	0	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	0	0	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	0	0	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	0	0	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	0	0	0	%100
84	MP3A	Z	.756	.756	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	M5	X	-.003	-.003	0	%100
2	M5	Z	.005	.005	0	%100
3	M6	X	-.046	-.046	0	%100
4	M6	Z	.079	.079	0	%100
5	M7	X	-.283	-.283	0	%100
6	M7	Z	.491	.491	0	%100
7	M8	X	-.003	-.003	0	%100
8	M8	Z	.005	.005	0	%100
9	M9	X	-.046	-.046	0	%100
10	M9	Z	.079	.079	0	%100
11	FACE	X	-.283	-.283	0	%100
12	FACE	Z	.491	.491	0	%100
13	M11	X	-.019	-.019	0	%100
14	M11	Z	.034	.034	0	%100
15	M12	X	-.29	-.29	0	%100
16	M12	Z	.502	.502	0	%100
17	M13	X	-.019	-.019	0	%100
18	M13	Z	.034	.034	0	%100
19	M14	X	-.29	-.29	0	%100
20	M14	Z	.502	.502	0	%100
21	M15	X	-.154	-.154	0	%100
22	M15	Z	.267	.267	0	%100
23	M16	X	-.244	-.244	0	%100
24	M16	Z	.422	.422	0	%100
25	M17	X	-.154	-.154	0	%100
26	M17	Z	.267	.267	0	%100
27	M18	X	-.244	-.244	0	%100
28	M18	Z	.422	.422	0	%100
29	M19	X	-.162	-.162	0	%100
30	M19	Z	.28	.28	0	%100
31	M20	X	-.154	-.154	0	%100
32	M20	Z	.267	.267	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,%]
33	M21	X	-.154	-.154	0	%100
34	M21	Z	.267	.267	0	%100
35	M22	X	-.227	-.227	0	%100
36	M22	Z	.393	.393	0	%100
37	M23	X	-.227	-.227	0	%100
38	M23	Z	.393	.393	0	%100
39	M24	X	-.248	-.248	0	%100
40	M24	Z	.43	.43	0	%100
41	M25	X	-.162	-.162	0	%100
42	M25	Z	.28	.28	0	%100
43	M26	X	-.154	-.154	0	%100
44	M26	Z	.267	.267	0	%100
45	M27	X	-.172	-.172	0	%100
46	M27	Z	.297	.297	0	%100
47	M28	X	-.154	-.154	0	%100
48	M28	Z	.267	.267	0	%100
49	M29	X	-.172	-.172	0	%100
50	M29	Z	.297	.297	0	%100
51	M30	X	-.162	-.162	0	%100
52	M30	Z	.28	.28	0	%100
53	M31	X	-.154	-.154	0	%100
54	M31	Z	.267	.267	0	%100
55	M32	X	-.154	-.154	0	%100
56	M32	Z	.267	.267	0	%100
57	M33	X	-.227	-.227	0	%100
58	M33	Z	.393	.393	0	%100
59	M34	X	-.227	-.227	0	%100
60	M34	Z	.393	.393	0	%100
61	M35	X	-.248	-.248	0	%100
62	M35	Z	.43	.43	0	%100
63	M36	X	-.162	-.162	0	%100
64	M36	Z	.28	.28	0	%100
65	MP1A	X	-.312	-.312	0	%100
66	MP1A	Z	.541	.541	0	%100
67	M46	X	-.069	-.069	0	%100
68	M46	Z	.119	.119	0	%100
69	MP2A	X	-.312	-.312	0	%100
70	MP2A	Z	.541	.541	0	%100
71	MP4A	X	-.312	-.312	0	%100
72	MP4A	Z	.541	.541	0	%100
73	MP3	X	-.306	-.306	0	%100
74	MP3	Z	.531	.531	0	%100
75	M56	X	-.016	-.016	0	%100
76	M56	Z	.028	.028	0	%100
77	M57	X	-.016	-.016	0	%100
78	M57	Z	.028	.028	0	%100
79	M58	X	-.016	-.016	0	%100
80	M58	Z	.028	.028	0	%100
81	M59	X	-.016	-.016	0	%100
82	M59	Z	.028	.028	0	%100
83	MP3A	X	-.378	-.378	0	%100
84	MP3A	Z	.655	.655	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	M5	X	-.006	-.006	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
2	M5	Z	.004	.004	0	%100
3	M6	X	-.08	-.08	0	%100
4	M6	Z	.046	.046	0	%100
5	M7	X	-.164	-.164	0	%100
6	M7	Z	.094	.094	0	%100
7	M8	X	-.006	-.006	0	%100
8	M8	Z	.004	.004	0	%100
9	M9	X	-.08	-.08	0	%100
10	M9	Z	.046	.046	0	%100
11	FACE	X	-.164	-.164	0	%100
12	FACE	Z	.094	.094	0	%100
13	M11	X	-.039	-.039	0	%100
14	M11	Z	.022	.022	0	%100
15	M12	X	-.507	-.507	0	%100
16	M12	Z	.293	.293	0	%100
17	M13	X	-.039	-.039	0	%100
18	M13	Z	.022	.022	0	%100
19	M14	X	-.507	-.507	0	%100
20	M14	Z	.293	.293	0	%100
21	M15	X	-.62	-.62	0	%100
22	M15	Z	.358	.358	0	%100
23	M16	X	-.424	-.424	0	%100
24	M16	Z	.245	.245	0	%100
25	M17	X	-.62	-.62	0	%100
26	M17	Z	.358	.358	0	%100
27	M18	X	-.424	-.424	0	%100
28	M18	Z	.245	.245	0	%100
29	M19	X	-.625	-.625	0	%100
30	M19	Z	.361	.361	0	%100
31	M20	X	-.62	-.62	0	%100
32	M20	Z	.358	.358	0	%100
33	M21	X	-.62	-.62	0	%100
34	M21	Z	.358	.358	0	%100
35	M22	X	-.393	-.393	0	%100
36	M22	Z	.227	.227	0	%100
37	M23	X	-.393	-.393	0	%100
38	M23	Z	.227	.227	0	%100
39	M24	X	-.43	-.43	0	%100
40	M24	Z	.248	.248	0	%100
41	M25	X	-.625	-.625	0	%100
42	M25	Z	.361	.361	0	%100
43	M26	X	-.62	-.62	0	%100
44	M26	Z	.358	.358	0	%100
45	M27	X	-.299	-.299	0	%100
46	M27	Z	.172	.172	0	%100
47	M28	X	-.62	-.62	0	%100
48	M28	Z	.358	.358	0	%100
49	M29	X	-.299	-.299	0	%100
50	M29	Z	.172	.172	0	%100
51	M30	X	-.625	-.625	0	%100
52	M30	Z	.361	.361	0	%100
53	M31	X	-.62	-.62	0	%100
54	M31	Z	.358	.358	0	%100
55	M32	X	-.62	-.62	0	%100
56	M32	Z	.358	.358	0	%100
57	M33	X	-.393	-.393	0	%100
58	M33	Z	.227	.227	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
59	M34	X	-.393	-.393	0	%100
60	M34	Z	.227	.227	0	%100
61	M35	X	-.43	-.43	0	%100
62	M35	Z	.248	.248	0	%100
63	M36	X	-.625	-.625	0	%100
64	M36	Z	.361	.361	0	%100
65	MP1A	X	-.541	-.541	0	%100
66	MP1A	Z	.312	.312	0	%100
67	M46	X	-.343	-.343	0	%100
68	M46	Z	.198	.198	0	%100
69	MP2A	X	-.541	-.541	0	%100
70	MP2A	Z	.312	.312	0	%100
71	MP4A	X	-.541	-.541	0	%100
72	MP4A	Z	.312	.312	0	%100
73	MP3	X	-.531	-.531	0	%100
74	MP3	Z	.306	.306	0	%100
75	M56	X	-.083	-.083	0	%100
76	M56	Z	.048	.048	0	%100
77	M57	X	-.083	-.083	0	%100
78	M57	Z	.048	.048	0	%100
79	M58	X	-.083	-.083	0	%100
80	M58	Z	.048	.048	0	%100
81	M59	X	-.083	-.083	0	%100
82	M59	Z	.048	.048	0	%100
83	MP3A	X	-.655	-.655	0	%100
84	MP3A	Z	.378	.378	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	M5	X	-.05	-.05	0	%100
2	M5	Z	0	0	0	%100
3	M6	X	-.05	-.05	0	%100
4	M6	Z	0	0	0	%100
5	M7	X	0	0	0	%100
6	M7	Z	0	0	0	%100
7	M8	X	-.05	-.05	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	-.05	-.05	0	%100
10	M9	Z	0	0	0	%100
11	FACE	X	0	0	0	%100
12	FACE	Z	0	0	0	%100
13	M11	X	-.318	-.318	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-.318	-.318	0	%100
16	M12	Z	0	0	0	%100
17	M13	X	-.318	-.318	0	%100
18	M13	Z	0	0	0	%100
19	M14	X	-.318	-.318	0	%100
20	M14	Z	0	0	0	%100
21	M15	X	-.92	-.92	0	%100
22	M15	Z	0	0	0	%100
23	M16	X	-.418	-.418	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.92	-.92	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.418	-.418	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,%]
28	M18	Z	0	0	0	%100
29	M19	X	-.92	-.92	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.92	-.92	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.92	-.92	0	%100
34	M21	Z	0	0	0	%100
35	M22	X	-.453	-.453	0	%100
36	M22	Z	0	0	0	%100
37	M23	X	-.453	-.453	0	%100
38	M23	Z	0	0	0	%100
39	M24	X	-.496	-.496	0	%100
40	M24	Z	0	0	0	%100
41	M25	X	-.92	-.92	0	%100
42	M25	Z	0	0	0	%100
43	M26	X	-.92	-.92	0	%100
44	M26	Z	0	0	0	%100
45	M27	X	-.418	-.418	0	%100
46	M27	Z	0	0	0	%100
47	M28	X	-.92	-.92	0	%100
48	M28	Z	0	0	0	%100
49	M29	X	-.418	-.418	0	%100
50	M29	Z	0	0	0	%100
51	M30	X	-.92	-.92	0	%100
52	M30	Z	0	0	0	%100
53	M31	X	-.92	-.92	0	%100
54	M31	Z	0	0	0	%100
55	M32	X	-.92	-.92	0	%100
56	M32	Z	0	0	0	%100
57	M33	X	-.453	-.453	0	%100
58	M33	Z	0	0	0	%100
59	M34	X	-.453	-.453	0	%100
60	M34	Z	0	0	0	%100
61	M35	X	-.496	-.496	0	%100
62	M35	Z	0	0	0	%100
63	M36	X	-.92	-.92	0	%100
64	M36	Z	0	0	0	%100
65	MP1A	X	-.624	-.624	0	%100
66	MP1A	Z	0	0	0	%100
67	M46	X	-.586	-.586	0	%100
68	M46	Z	0	0	0	%100
69	MP2A	X	-.624	-.624	0	%100
70	MP2A	Z	0	0	0	%100
71	MP4A	X	-.624	-.624	0	%100
72	MP4A	Z	0	0	0	%100
73	MP3	X	-.613	-.613	0	%100
74	MP3	Z	0	0	0	%100
75	M56	X	-.127	-.127	0	%100
76	M56	Z	0	0	0	%100
77	M57	X	-.127	-.127	0	%100
78	M57	Z	0	0	0	%100
79	M58	X	-.127	-.127	0	%100
80	M58	Z	0	0	0	%100
81	M59	X	-.127	-.127	0	%100
82	M59	Z	0	0	0	%100
83	MP3A	X	-.756	-.756	0	%100
84	MP3A	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	M5	X	-.08	-.08	0	%100
2	M5	Z	-.046	-.046	0	%100
3	M6	X	-.006	-.006	0	%100
4	M6	Z	-.004	-.004	0	%100
5	M7	X	-.164	-.164	0	%100
6	M7	Z	-.094	-.094	0	%100
7	M8	X	-.08	-.08	0	%100
8	M8	Z	-.046	-.046	0	%100
9	M9	X	-.006	-.006	0	%100
10	M9	Z	-.004	-.004	0	%100
11	FACE	X	-.164	-.164	0	%100
12	FACE	Z	-.094	-.094	0	%100
13	M11	X	-.507	-.507	0	%100
14	M11	Z	-.293	-.293	0	%100
15	M12	X	-.039	-.039	0	%100
16	M12	Z	-.022	-.022	0	%100
17	M13	X	-.507	-.507	0	%100
18	M13	Z	-.293	-.293	0	%100
19	M14	X	-.039	-.039	0	%100
20	M14	Z	-.022	-.022	0	%100
21	M15	X	-.62	-.62	0	%100
22	M15	Z	-.358	-.358	0	%100
23	M16	X	-.299	-.299	0	%100
24	M16	Z	-.172	-.172	0	%100
25	M17	X	-.62	-.62	0	%100
26	M17	Z	-.358	-.358	0	%100
27	M18	X	-.299	-.299	0	%100
28	M18	Z	-.172	-.172	0	%100
29	M19	X	-.625	-.625	0	%100
30	M19	Z	-.361	-.361	0	%100
31	M20	X	-.62	-.62	0	%100
32	M20	Z	-.358	-.358	0	%100
33	M21	X	-.62	-.62	0	%100
34	M21	Z	-.358	-.358	0	%100
35	M22	X	-.393	-.393	0	%100
36	M22	Z	-.227	-.227	0	%100
37	M23	X	-.393	-.393	0	%100
38	M23	Z	-.227	-.227	0	%100
39	M24	X	-.43	-.43	0	%100
40	M24	Z	-.248	-.248	0	%100
41	M25	X	-.625	-.625	0	%100
42	M25	Z	-.361	-.361	0	%100
43	M26	X	-.62	-.62	0	%100
44	M26	Z	-.358	-.358	0	%100
45	M27	X	-.424	-.424	0	%100
46	M27	Z	-.245	-.245	0	%100
47	M28	X	-.62	-.62	0	%100
48	M28	Z	-.358	-.358	0	%100
49	M29	X	-.424	-.424	0	%100
50	M29	Z	-.245	-.245	0	%100
51	M30	X	-.625	-.625	0	%100
52	M30	Z	-.361	-.361	0	%100
53	M31	X	-.62	-.62	0	%100
54	M31	Z	-.358	-.358	0	%100
55	M32	X	-.62	-.62	0	%100
56	M32	Z	-.358	-.358	0	%100
57	M33	X	-.393	-.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M33	Z	-.227	-.227	0	%100
59	M34	X	-.393	-.393	0	%100
60	M34	Z	-.227	-.227	0	%100
61	M35	X	-.43	-.43	0	%100
62	M35	Z	-.248	-.248	0	%100
63	M36	X	-.625	-.625	0	%100
64	M36	Z	-.361	-.361	0	%100
65	MP1A	X	-.541	-.541	0	%100
66	MP1A	Z	-.312	-.312	0	%100
67	M46	X	-.449	-.449	0	%100
68	M46	Z	-.259	-.259	0	%100
69	MP2A	X	-.541	-.541	0	%100
70	MP2A	Z	-.312	-.312	0	%100
71	MP4A	X	-.541	-.541	0	%100
72	MP4A	Z	-.312	-.312	0	%100
73	MP3	X	-.531	-.531	0	%100
74	MP3	Z	-.306	-.306	0	%100
75	M56	X	-.083	-.083	0	%100
76	M56	Z	-.048	-.048	0	%100
77	M57	X	-.083	-.083	0	%100
78	M57	Z	-.048	-.048	0	%100
79	M58	X	-.083	-.083	0	%100
80	M58	Z	-.048	-.048	0	%100
81	M59	X	-.083	-.083	0	%100
82	M59	Z	-.048	-.048	0	%100
83	MP3A	X	-.655	-.655	0	%100
84	MP3A	Z	-.378	-.378	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	M5	X	-.046	-.046	0	%100
2	M5	Z	-.079	-.079	0	%100
3	M6	X	-.003	-.003	0	%100
4	M6	Z	-.005	-.005	0	%100
5	M7	X	-.283	-.283	0	%100
6	M7	Z	-.491	-.491	0	%100
7	M8	X	-.046	-.046	0	%100
8	M8	Z	-.079	-.079	0	%100
9	M9	X	-.003	-.003	0	%100
10	M9	Z	-.005	-.005	0	%100
11	FACE	X	-.283	-.283	0	%100
12	FACE	Z	-.491	-.491	0	%100
13	M11	X	-.29	-.29	0	%100
14	M11	Z	-.502	-.502	0	%100
15	M12	X	-.019	-.019	0	%100
16	M12	Z	-.034	-.034	0	%100
17	M13	X	-.29	-.29	0	%100
18	M13	Z	-.502	-.502	0	%100
19	M14	X	-.019	-.019	0	%100
20	M14	Z	-.034	-.034	0	%100
21	M15	X	-.154	-.154	0	%100
22	M15	Z	-.267	-.267	0	%100
23	M16	X	-.172	-.172	0	%100
24	M16	Z	-.297	-.297	0	%100
25	M17	X	-.154	-.154	0	%100
26	M17	Z	-.267	-.267	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,%]
27	M18	X	-.172	-.172	0	%100
28	M18	Z	-.297	-.297	0	%100
29	M19	X	-.162	-.162	0	%100
30	M19	Z	-.28	-.28	0	%100
31	M20	X	-.154	-.154	0	%100
32	M20	Z	-.267	-.267	0	%100
33	M21	X	-.154	-.154	0	%100
34	M21	Z	-.267	-.267	0	%100
35	M22	X	-.227	-.227	0	%100
36	M22	Z	-.393	-.393	0	%100
37	M23	X	-.227	-.227	0	%100
38	M23	Z	-.393	-.393	0	%100
39	M24	X	-.248	-.248	0	%100
40	M24	Z	-.43	-.43	0	%100
41	M25	X	-.162	-.162	0	%100
42	M25	Z	-.28	-.28	0	%100
43	M26	X	-.154	-.154	0	%100
44	M26	Z	-.267	-.267	0	%100
45	M27	X	-.244	-.244	0	%100
46	M27	Z	-.422	-.422	0	%100
47	M28	X	-.154	-.154	0	%100
48	M28	Z	-.267	-.267	0	%100
49	M29	X	-.244	-.244	0	%100
50	M29	Z	-.422	-.422	0	%100
51	M30	X	-.162	-.162	0	%100
52	M30	Z	-.28	-.28	0	%100
53	M31	X	-.154	-.154	0	%100
54	M31	Z	-.267	-.267	0	%100
55	M32	X	-.154	-.154	0	%100
56	M32	Z	-.267	-.267	0	%100
57	M33	X	-.227	-.227	0	%100
58	M33	Z	-.393	-.393	0	%100
59	M34	X	-.227	-.227	0	%100
60	M34	Z	-.393	-.393	0	%100
61	M35	X	-.248	-.248	0	%100
62	M35	Z	-.43	-.43	0	%100
63	M36	X	-.162	-.162	0	%100
64	M36	Z	-.28	-.28	0	%100
65	MP1A	X	-.312	-.312	0	%100
66	MP1A	Z	-.541	-.541	0	%100
67	M46	X	-.13	-.13	0	%100
68	M46	Z	-.225	-.225	0	%100
69	MP2A	X	-.312	-.312	0	%100
70	MP2A	Z	-.541	-.541	0	%100
71	MP4A	X	-.312	-.312	0	%100
72	MP4A	Z	-.541	-.541	0	%100
73	MP3	X	-.306	-.306	0	%100
74	MP3	Z	-.531	-.531	0	%100
75	M56	X	-.016	-.016	0	%100
76	M56	Z	-.028	-.028	0	%100
77	M57	X	-.016	-.016	0	%100
78	M57	Z	-.028	-.028	0	%100
79	M58	X	-.016	-.016	0	%100
80	M58	Z	-.028	-.028	0	%100
81	M59	X	-.016	-.016	0	%100
82	M59	Z	-.028	-.028	0	%100
83	MP3A	X	-.378	-.378	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,%]
84	MP3A	Z	-.655	-.655	0	%100

Member Area Loads

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

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 [lb]	phi*Mn y...	phi*Mn z...	Cb	Eqn
1	M5	PL3/8X3.5	.423	.25	18	.269	0	y	29	34985.705	36450	.284	2.083	1...	H1-1b
2	M6	PL3/8X3.5	.395	.25	5	.300	.25	y	17	34985.705	36450	.284	2.042	1...	H1-1b
3	M7	PIPE_2.5	.243	2.167	7	.108	2.167		1	13460.421	50715	3.596	3.596	2...	H1-1b
4	M8	PL3/8X3.5	.427	.25	24	.255	.25	y	29	34985.705	36450	.284	2.083	1...	H1-1b
5	M9	PL3/8X3.5	.381	.25	29	.293	0	y	24	34985.705	36450	.284	1.951	1...	H1-1b
6	FACE	PIPE_2.5	.152	10.833	36	.081	2.167		48	13460.421	50715	3.596	3.596	2...	H1-1b
7	M11	PIPE_2.0	.285	.495	19	.106	0		17	21054.34	32130	1.872	1.872	2...	H1-1b
8	M12	PIPE_2.0	.262	.495	29	.226	5.381		5	21054.34	32130	1.872	1.872	2...	H1-1b
9	M13	PIPE_2.0	.316	.557	24	.100	0		17	21054.34	32130	1.872	1.872	2...	H1-1b
10	M14	PIPE_2.0	.286	.557	29	.140	5.381		11	21054.34	32130	1.872	1.872	2...	H1-1b
11	M15	PL3/8X3.5	.145	0	23	.024	0	y	30	36078.278	36450	.284	2.083	1...	H1-1b
12	M16	PIPE_1.5	.046	2.049	29	.015	0		11	16962.399	23593.5	1.105	1.105	1...	H1-1b
13	M17	PL3/8X3.5	.109	0	22	.013	0	y	32	36078.278	36450	.284	2.083	1...	H1-1b
14	M18	PIPE_1.5	.038	2.049	26	.005	4.185		8	16962.399	23593.5	1.105	1.105	1...	H1-1b
15	M19	PL3/8X3.5	.535	0	11	.052	0	y	11	33887.6	36450	.284	2.083	1...	H1-1b
16	M20	PL3/8X3.5	.140	.125	17	.024	.125	y	30	36078.278	36450	.284	2.083	1...	H1-1b
17	M21	PL3/8X3.5	.103	.125	17	.013	.125	y	32	36078.278	36450	.284	2.083	1...	H1-1b
18	M22	PIPE_1.5	.049	3.167	17	.007	0		49	19531.761	23593.5	1.105	1.105	1...	H1-1b
19	M23	PIPE_1.5	.077	3.167	29	.005	0		8	19531.761	23593.5	1.105	1.105	1...	H1-1b*
20	M24	PIPE_2.0	.968	1.69	5	.153	2.75		5	29344.85	32130	1.872	1.872	1...	H1-1b
21	M25	PL3/8X3.5	.832	.333	5	.094	.333	y	5	33887.6	36450	.284	2.083	1...	H1-1b
22	M26	PL3/8X3.5	.132	0	17	.032	0	y	30	36078.278	36450	.284	2.083	1...	H1-1b
23	M27	PIPE_1.5	.059	2.092	13	.011	4.185		5	16962.399	23593.5	1.105	1.105	1...	H1-1b
24	M28	PL3/8X3.5	.090	0	41	.021	0	y	29	36078.278	36450	.284	2.083	1...	H1-1b
25	M29	PIPE_1.5	.044	2.092	13	.011	4.185		12	16962.399	23593.5	1.105	1.105	1...	H1-1b
26	M30	PL3/8X3.5	.049	0	47	.008	0	y	10	33887.6	36450	.284	2.083	1...	H1-1b
27	M31	PL3/8X3.5	.134	.125	17	.032	.125	y	30	36078.278	36450	.284	2.083	1...	H1-1b
28	M32	PL3/8X3.5	.090	.125	17	.021	.125	y	29	36078.278	36450	.284	2.083	1...	H1-1b
29	M33	PIPE_1.5	.052	3.167	17	.011	0		6	19531.761	23593.5	1.105	1.105	1...	H1-1b
30	M34	PIPE_1.5	.078	3.167	23	.008	0		5	19531.761	23593.5	1.105	1.105	1...	H1-1b*
31	M35	PIPE_2.0	.022	0	17	.003	0		10	29344.85	32130	1.872	1.872	1...	H1-1b*
32	M36	PL3/8X3.5	.052	.333	42	.008	.333	y	10	33887.6	36450	.284	2.083	1...	H1-1b
33	MP1A	PIPE_2.0	.245	3.583	29	.033	7		25	14916.096	32130	1.872	1.872	1...	H1-1b
34	M46	PIPE_2.0	.246	0	5	.025	4.451		5	25337.453	32130	1.872	1.872	2...	H1-1b
35	MP2A	PIPE_2.0	.121	3.75	17	.030	2.031		19	23808.54	32130	1.872	1.872	1...	H1-1b
36	MP4A	PIPE_2.0	.225	3.583	7	.061	3.583		5	14916.096	32130	1.872	1.872	2...	H1-1b
37	MP3	PIPE_2.0	.132	.346	6	.216	.346		5	24514.618	32130	1.872	1.872	3...	H1-1b
38	M56	SR_0.625	.910	0	5	.182	0		11	8658.828	9940.19	.104	.104	2...	H1-1b
39	M57	SR_0.625	.991	.667	11	.190	0		11	8658.828	9940.19	.104	.104	2...	H1-1b
40	M58	SR_0.625	.509	.667	18	.039	0		17	8658.828	9940.19	.104	.104	2...	H1-1b
41	M59	SR_0.625	.511	.667	19	.039	0		22	8658.828	9940.19	.104	.104	2...	H1-1b
42	MP3A	PIPE_2.5	.228	4.083	12	.051	4.083		11	30038.461	50715	3.596	3.596	1...	H1-1b

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	N68	max	314.812	11	647.939	11	2156.891	5	.138	11	0	75	.008	10
2		min	-298.699	5	-570.794	5	-2159.502	11	-.283	5	0	1	-.023	4
3	N1	max	1913.745	11	1282.964	17	1880.127	12	0	75	0	75	0	75
4		min	-1584.417	5	195.293	11	-4445.34	6	0	1	0	1	0	1
5	N5	max	1104.057	30	1185.22	17	3169.434	13	0	75	0	75	0	75
6		min	-858.486	49	217.212	11	480.299	7	0	1	0	1	0	1
7	Totals:	max	1825.655	11	2399.412	17	2268.201	1						
8		min	-1825.654	5	795.334	73	-2268.202	7						

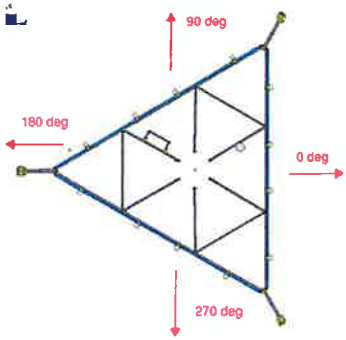
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	8/30/2023
Site Name:	Montville CT		
MDG #:	5000244859		
Fuze ID #:	17123693	Page:	1
			Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required — Yes

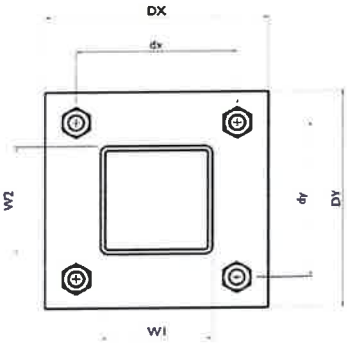
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N1	0
N5	0



Tower Connection Bolt Checks — Yes

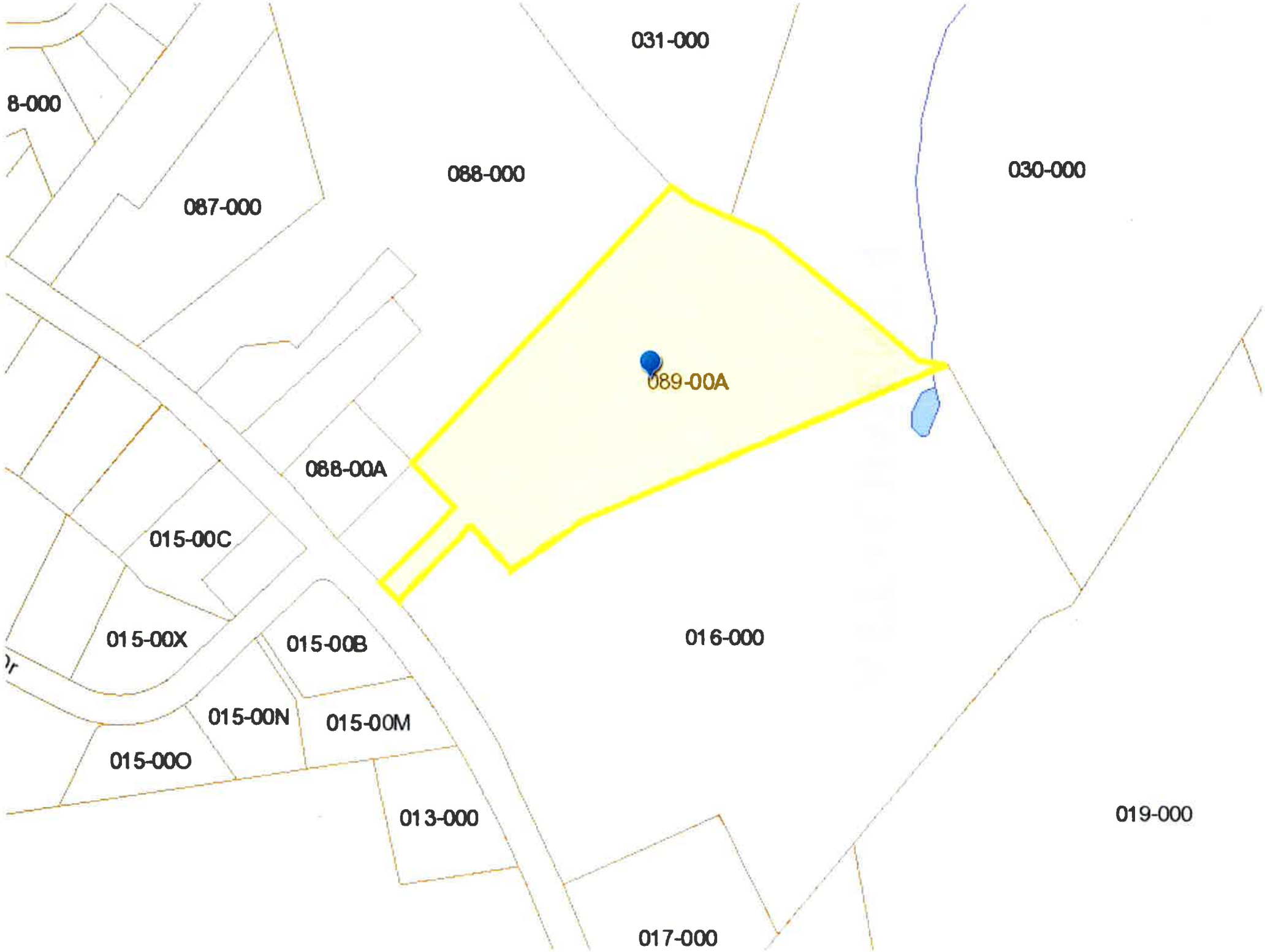
Bolt Orientation — Parallel

Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	4
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	3
Bolt Type:	A307
Bolt Diameter (in):	0.5
Required Tensile Strength / bolt (kips):	0.1
Required Shear Strength / bolt (kips):	0.9
Tensile Capacity / bolt (kips):	6.6
Shear Capacity / bolt (kips):	4.0
Bolt Overall Utilization:	**22.2%**



Tower Connection Baseplate Checks — No

ATTACHMENT 4


031-000
8-000
088-000
030-000
087-000
089-00A
088-00A
015-00C
015-00X
015-00B
016-000
015-00N
015-00M
015-00O
013-000
019-000
017-000

Property Card: **689 OLD COLCHESTER RD**

Town of Montville, CT

Parcel Information

Location:	689 OLD COLCHESTER RD	Property Use:	Industrial	Primary Use:	Utility Building
Unique ID:	Z0252300	Map Block Lot:	030-089-00A	Acres:	8.3
		Zone:	R40	Volume / Page:	0608/0350
		Sale Date:	08/24/2015	Sale Price:	$777,060

Value Information

	Appraised Value	Assessed Value
Land	117570	82300
Buildings	271183	189830
Detached Outbuildings	390750	273520
Total	779503	545650

Owner's Information

Owner's Data
ATLANTIC BROADBAND (CT) LLC TWO BATTERYMARCH PARK STE 205 QUINCY, MA 02169

Building 1

Category:	Commercial	Siding:	Pre-Cast Concrete	Total Rooms:	0
Stories:	1.00	Fuel:	Electric	Beds/Units:	0
GLA:	1600	Heating:	Forced Hot Air	Baths:	0
Year Built:	2008	Fireplace:	0		
Class:	Reinforced Concrete	Cooling Percent:	Central	Half Baths:	0
Use:	Utility Building	Floors:	Concrete	Basement Garage:	0
Construction Style:	Utility Building	Roof Material:		Finished Basement:	0

ATTACHMENT 5

Verizon/Montville

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 10/23/2023 US POSTAGE $003.19 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

OLD STATE HOUSE STATION 06103
OCT 23 2023
USPS

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Ronald K. McDaniel, Mayor Town of Montville 310 Norwich-New London Turnpike Montville, CT 06382				
2.	Liz Burdick, Town Planner Town of Montville 310 Norwich-New London Turnpike Montville, CT 06382				
3.	Atlantic Broadband (CT) LLC Two Batterymarch Park, Suite 205 Quincy, MA 02169				
4.					
5.					
6.					