Robinson+Cole

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Also admitted in Massachusetts and New York

October 11, 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**
35-37 Danbury Road, Ridgefield, 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 roof-top tower. Equipment associated with the facility is located inside the building. Cellco's roof-top tower and related equipment were approved by the Siting Council ("Council") in January of 2017 (Petition No. 1280). A copy of the Council's Petition No. 1280 approval letter and staff report are included in Attachment 1.

Cellco's proposed modification involves the installation of four (4) interference mitigation filters ("Filters") on its existing antenna mounting assembly. The Filter specification sheet is included in Attachment 2.

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

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

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

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

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

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

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

6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing roof-top tower, radio frequency transparent enclosure, host building, antenna mounting assembly, with certain hardware upgrades 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:
Rudy Marconi, First Selectman
Alice Dew, Planning and Zoning Director
Eppoliti Realty Co., Inc., Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 20, 2017

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

RE: **PETITION NO. 1280** - Cellco Partnership d/b/a Verizon Wireless petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed installation of a wireless telecommunications facility on the roof of an existing commercial building located at 35-37 Danbury Road, Ridgefield, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on January 19, 2017, the Connecticut Siting Council (Council) considered and ruled that the above-referenced proposal would not have a substantial adverse environmental effect, and pursuant to Connecticut General Statutes § 16-50k, would not require a Certificate of Environmental Compatibility and Public Need with the following conditions:

1. Use of off-road construction equipment that meets the latest EPA or California Air Resources Board standards, or in the alternative, equipment with the best available controls on diesel emissions, including, but not limited to, retrofitting with diesel oxidation catalysts, particulate filters and use of ultra-low sulfur fuel;

2. Compliance with the provisions of Section 22a-174-18(b)(3)(C) of the Regulations of Connecticut State Agencies that limit the idling of mobile sources to 3 minutes;

3. Approval of any minor project changes be delegated to Council staff;

4. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed within three years from the date of the mailing of the Council's decision, this decision shall be void, and the facility owner/operator shall dismantle the facility and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The facility owner/operator shall provide written notice to the Executive Director of any schedule changes as soon as is practicable;

5. Any request for extension of the time period to fully construct the facility shall be filed with the Council not later than 60 days prior to the expiration date of this decision and shall be served on all parties and intervenors, if applicable, and the Town of Ridgefield;

6. Within 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;

7. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by the Petitioner shall be removed within 60 days of the date the antenna ceased to function;

8. If the facility ceases to provide wireless services for a period of one year the Petitioner shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council within 90 days from the one year period of cessation of service. The Petitioner may submit a written request to the Council for an extension of the 90 day period not later than 60 days prior to the expiration of the 90 day period; and

9. This Declaratory Ruling may be transferred or partially transferred, provided both the facility owner/operator/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. The Council shall be notified of such sale and/or transfer and of any change in contact information for the individual or representative responsible for management and operations of the facility within 30 days of the sale and/or transfer. Both the facility owner/operator/transferor and the transferee shall provide the Council with a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition dated December 14, 2016 and additional information dated January 5, 2017.

Enclosed for your information is a copy of the staff report on this project.

Very truly yours,

Robert Stein

Robert Stein
Chairman

RS/MP/cm

Enclosure: Staff Report dated January 19, 2017

c: The Honorable Rudolph P. Marconi, First Selectman, Town of Ridgefield
Joanne P. Meder, AICP, Director of Planning, Town of Ridgefield

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

Petition No. 1280
Cellco Partnership d/b/a Verizon Wireless
35-37 Danbury Road, Ridgefield
Rooftop Telecommunications Facility
Staff Report
January 19, 2017

On December 16, 2016, the Connecticut Siting Council (Council) received a petition from Cellco Partnership d/b/a Verizon Wireless (Cellco) for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed installation of a telecommunications facility on the roof of the building located at 35-37 Danbury Road, Ridgefield, Connecticut. Currently, Cellco has identified a need for improved wireless service along Danbury Road (Route 35) and for the surrounding commercial and residential areas in central portions of Ridgefield. In an effort to improve Cellco's wireless services in the area, Cellco proposes to install a rooftop telecommunications facility. On January 5, 2017, Cellco provided the corrected site specifications in response to Council staff interrogatories.

Specifically, Cellco would install a tower on the northern portion of the roof of an existing commercial office building owned by Eppoliti Realty Company Inc. The tower would have six panel antennas and six remote radio heads (RRH). The tower, panel antennas, RRHs and associated T-arm mounts would be concealed inside an RF transparent 8-foot by 8-foot "box" or small "penthouse" designed to match the color, texture, and architectural design of the building. The proposed stealth enclosure would extend to a maximum height of 39-feet above ground level (agl). This is approximately 7-feet 6-inches above the existing maximum roof parapet height of 31-feet 6-inches agl. Cellco's equipment would be installed inside the building within the first floor telecommunications room. Electrical and telephone service would connect to existing service in the building.

The subject property is located within Ridgefield's B-1 Business Zone. The visual impact is not expected to be significant due to the stealth design and limited height (i.e. less than eight feet above the existing roof of the building). An outdoor equipment compound is not proposed.

The calculated power density would be 22.2 percent of the applicable limit using a -10 dB off-beam adjustment. Notice is not required to the Federal Aviation Administration.

Notice was provided to the Town of Ridgefield, the property owner, and abutting property owners on or about December 14, 2016. No comments have been received to date.

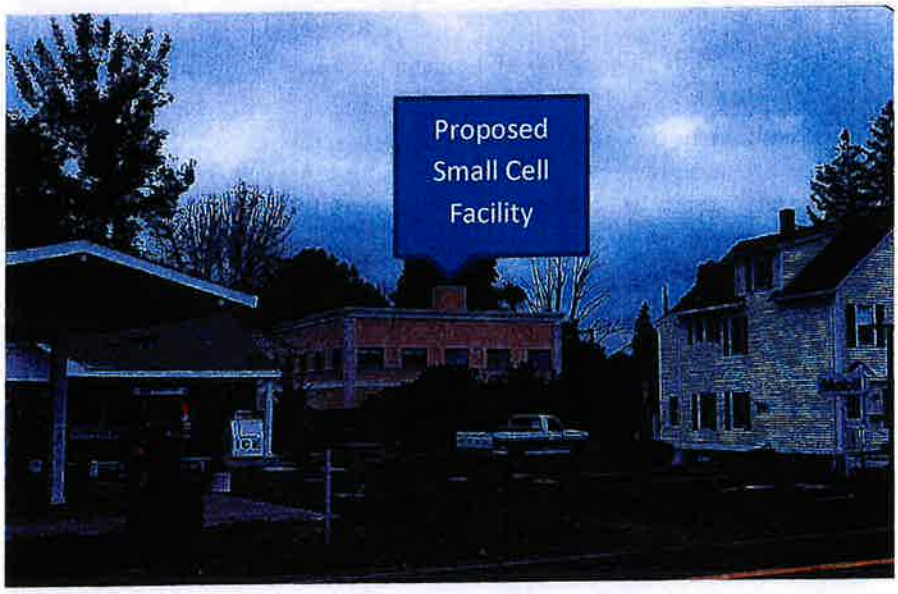
Cellco contends that this proposed project would not have a substantial adverse environmental impact.

Staff recommends the following conditions:

1. Use of off-road construction equipment that meets the latest EPA or California Air Resources Board standards, or in the alternative, equipment with the best available controls on diesel emissions, including, but not limited to, retrofitting with diesel oxidation catalysts, particulate filters and use of ultra-low sulfur fuel;
2. Compliance with the provisions of Section 22a-174-18(b)(3)(C) of the Regulations of Connecticut State Agencies that limit the idling of mobile sources to 3 minutes; and
3. Approval of any minor project changes be delegated to Council staff.

Site Location

Photo-simulation as viewed from Danbury Road*



*With the proposed stealth enclosure to be located on the northern portion of the roof, this is a conservative (or worst-case) view from Danbury Road.

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

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

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

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

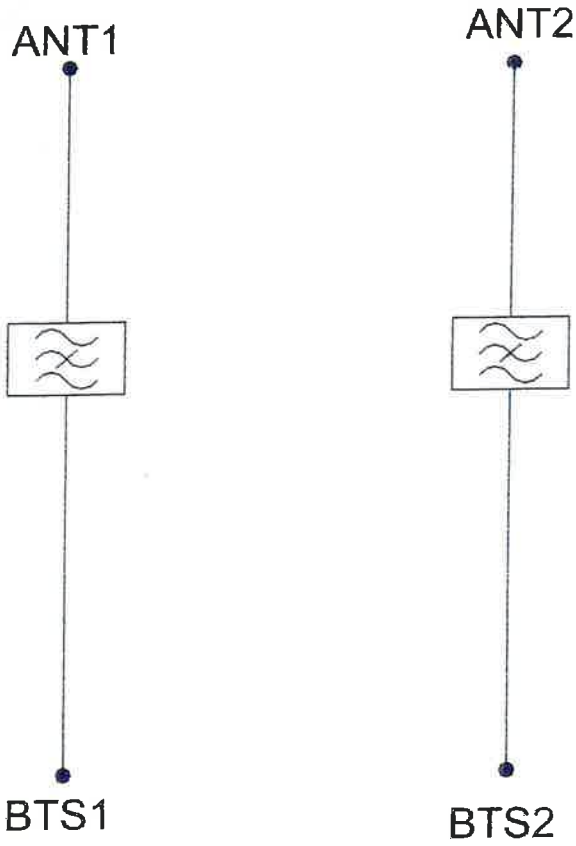
ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20°C to +60°C ¦ -4°F to +140°F
Ingress protection	IP67
Altitude	2600m ¦ 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection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

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

ORDERING INFORMATION

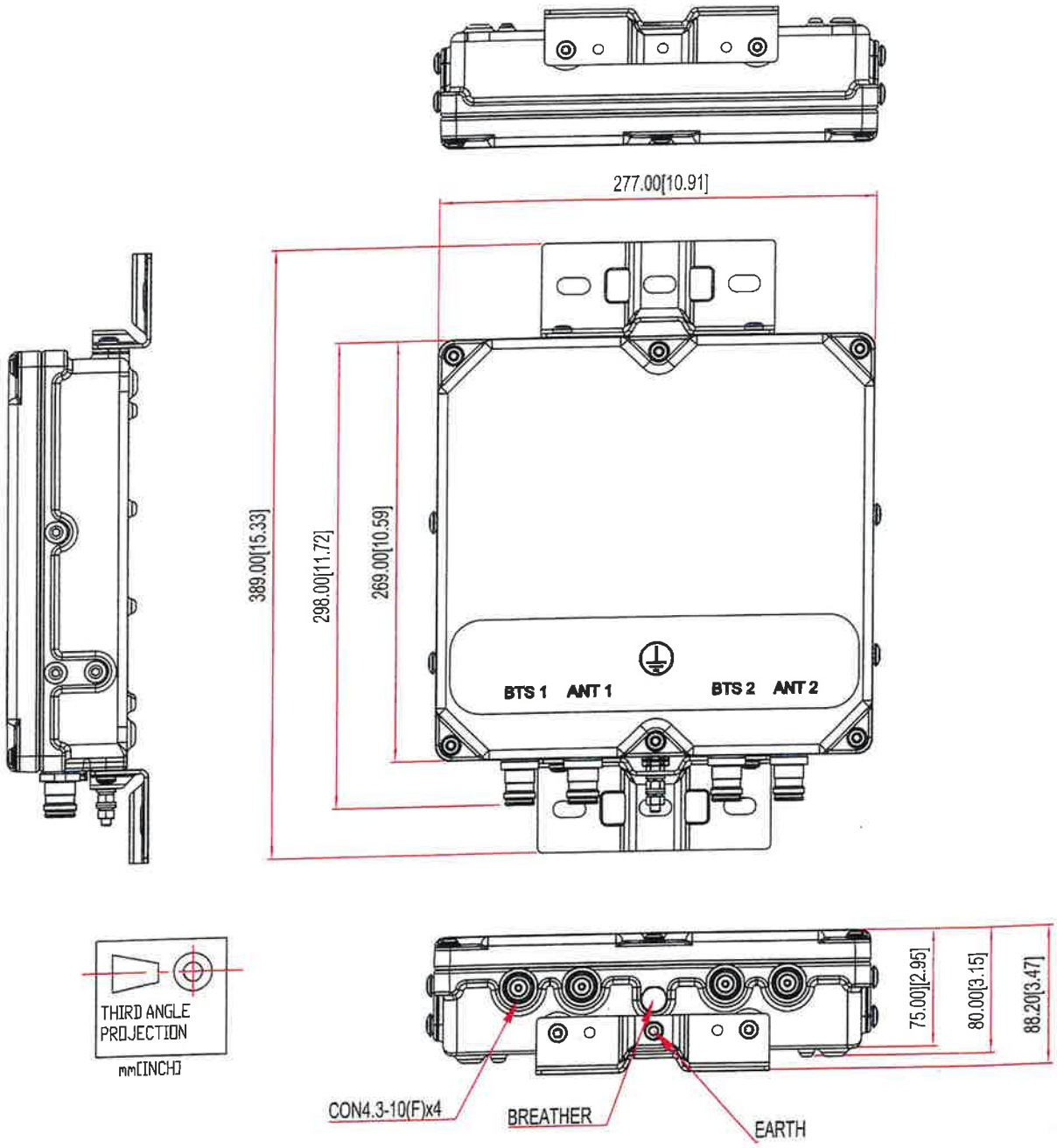
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

CENTERLINE

Structural Analysis Report

Location Code: 468125
Site Name: Ridgefield 5 CT
Fuze Project ID: 17123991
Project Name: RF FILTER ADD
Address: 37 Danbury Rd
Ridgefield, CT 06877

Client:

verizon

20 Alexander Drive
Wallingford, CT 06492

Date: 10/09/2023

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 structure to determine its capacity to support the proposed and existing Verizon Wireless appurtenances listed in this report.

Proposed Appurtenances:

(4) RF Kaelus KA-6030 Filters (Alpha and Beta Sectors)
(2) Site Pro 1 RRUDSM Swivel Mount (Alpha and Beta Sectors)

Existing Appurtenances:

(3) Commscope NNH4-65B-R6H4 Antennas
(3) Samsung MT6407-77A Antennas
(3) Samsung B2/B66A RRH-BR049 RRHs
(3) Samsung B5/B13 RRH-BR04C RRHs
(2) Raycap RRFDC-3315-PF-48

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

CENTERLINE

Design Criteria:

Design Codes:

2022 CT State Building Code
2021 International Building Code
ASCE 7-16
TIA-222-H Standards

Ultimate Design Wind Speed (V_{ult})	120 mph
Wind Speed with Ice	50 mph
Ice Thickness	1.0 in.
Exposure Category	C
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	0.243 g
Spectral Response Acceleration Parameter at a Period of 1 Second, S_1	0.057 g
Short Period Site Coefficient, F_a	1.60
Long Period Site Coefficient, F_v	2.40

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

Conclusion:

Based on the results of the analysis, we have determined that the existing structure has sufficient capacity to support the existing and proposed loading for the final loading configuration.

	Stress Ratio	Overall Result
Existing Structure	**73.9%**	**PASS**

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

CENTERLINE

Reference Documents:

- Structural Analysis by Centek Engineering, dated June 15, 2021
- Mount Analysis Report by Colliers Engineering & Design CT, P.C., dated August 09, 2023
- Lease Exhibit by Centerline, dated September 07, 2023

Assumptions and Limitations:

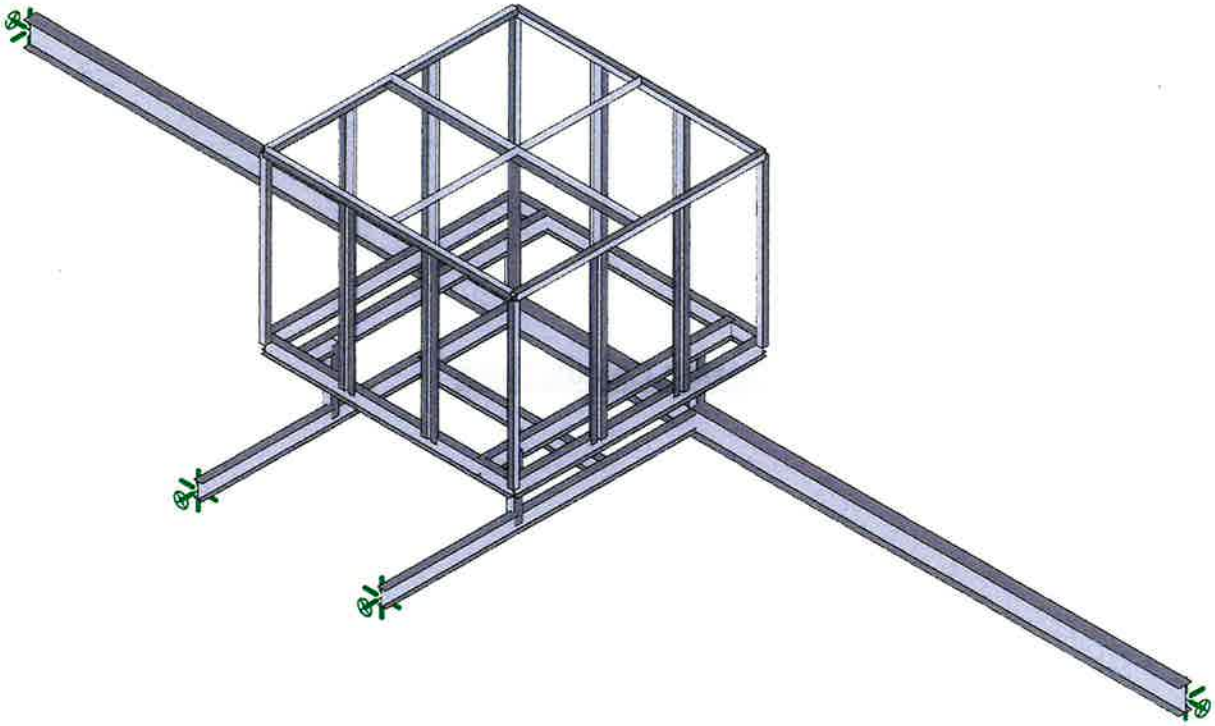
- The calculations performed by Centerline Communications are limited to the structural members in these calculations only.
- The analysis is only for the Verizon Wireless equipment loading listed in the report.
- The calculation assumes all structural members to be in good condition i.e., no damage, rust, or other defects.

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

CENTERLINE

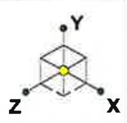
Design Calculations

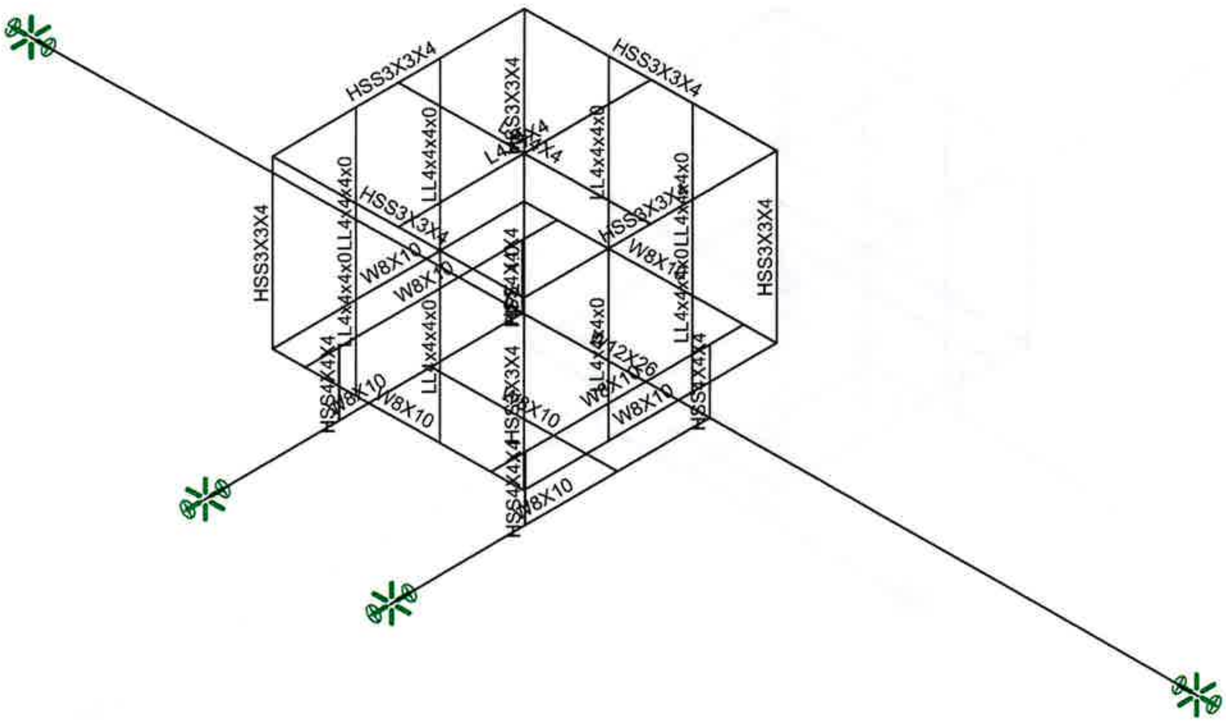
Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



Envelope Only Solution

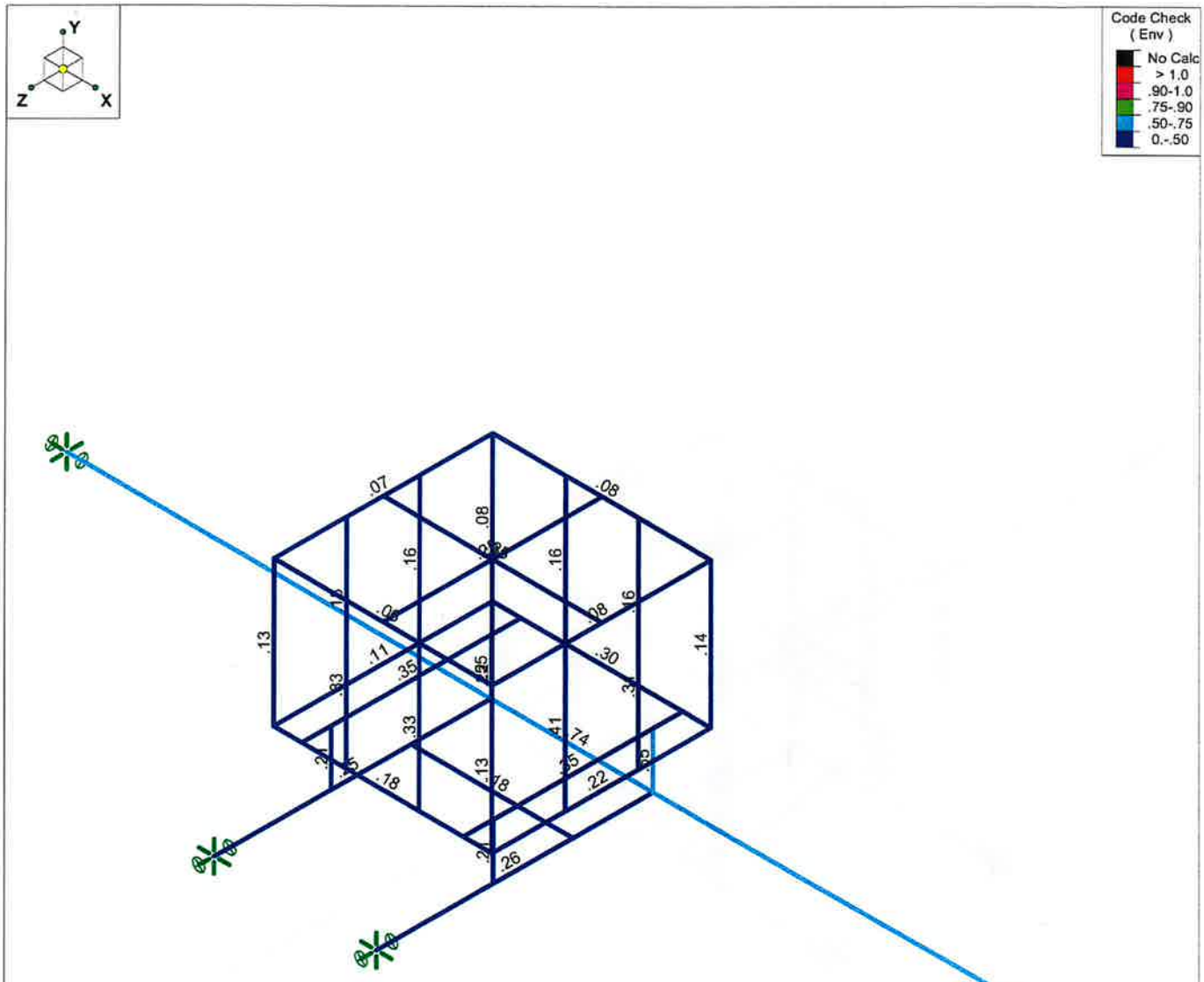
Centerline	Ridgefield 5	SK - 1
JLL		Oct 9, 2023 at 8:06 AM
22ANAKYM-0075		Ridgefield 5.r3d





Envelope Only Solution

Centerline	Ridgefield 5	SK - 2
JLL		Oct 9, 2023 at 8:09 AM
22ANAKYM-0075		Ridgefield 5.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Centerline	Ridgefield 5	SK - 3
JLL		Oct 9, 2023 at 8:14 AM
22ANAKYM-0075		Ridgefield 5.r3d

(Global) Model Settings

Display Sections for Member Calcs	5
Max Internal Sections for Member Calcs	97
Include Shear Deformation?	Yes
Increase Nailing Capacity for Wind?	Yes
Include Warping?	Yes
Trans Load Btwn Intersecting Wood Wall?	Yes
Area Load Mesh (in^2)	144
Merge Tolerance (in)	.12
P-Delta Analysis Tolerance	0.50%
Include P-Delta for Walls?	Yes
Automatically Iterate Stiffness for Walls?	Yes
Max Iterations for Wall Stiffness	3
Gravity Acceleration (in/sec^2)	4636.8
Wall Mesh Size (in)	24
Eigensolution Convergence Tol. (1.E-)	4
Vertical Axis	Y
Global Member Orientation Plane	XZ
Static Solver	Sparse Accelerated
Dynamic Solver	Accelerated Solver

Hot Rolled Steel Code	AISC 15th(360-16): LRFD
Adjust Stiffness?	Yes(Iterative)
RISAConnection Code	AISC 14th(360-10): LRFD
Cold Formed Steel Code	AISI S100-12: LRFD
Wood Code	AWC NDS-12: ASD
Wood Temperature	< 100F
Concrete Code	ACI 318-11
Masonry Code	ACI 530-11: ASD
Aluminum Code	AA ADM1-15: LRFD - Building
Stainless Steel Code	AISC 14th(360-10): ASD
Adjust Stiffness?	Yes(Iterative)

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

(Global) Model Settings, Continued

Seismic Code	ASCE 7-10
Seismic Base Elevation (in)	Not Entered
Add Base Weight?	Yes
Ct X	.02
Ct Z	.02
T X (sec)	Not Entered
T Z (sec)	Not Entered
R X	3
R Z	3
Ct Exp. X	.75
Ct Exp. Z	.75
SD1	1
SDS	1
S1	1
TL (sec)	5
Risk Cat	I or II
Drift Cat	Other
Om Z	1
Om X	1
Cd Z	4
Cd X	4
Rho Z	1
Rho X	1

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	A500 Gr.C	29000	11154	.3	.65	.49	46	1.4	62	1.3
9	FRP	2800	420	.35	.44	.07	16.67	1.5	50	1.2

Joint Boundary Conditions

	Joint Label	X [k/in]	Y [k/in]	Z [k/in]	X Rot.[k-ft/rad]	Y Rot.[k-ft/rad]	Z Rot.[k-ft/rad]
1	N1	Reaction	Reaction	Reaction	Reaction		
2	N2	Reaction	Reaction	Reaction	Reaction		
3	N6	Reaction	Reaction	Reaction			Reaction
4	N5	Reaction	Reaction	Reaction			Reaction

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
1	M1	N1	N2			W12X26	None	None	A992	Typical
2	M2	N6	N4			W8X10	None	None	A992	Typical
3	M3	N5	N3			W8X10	None	None	A992	Typical
4	M4	N7	N8			W8X10	None	None	A992	Typical
5	M5	N10	N15			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
6	M6	N4	N13			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
7	M7	N3	N12			HSS4X4X4	None	None	A500 Gr.B Rect	Typical
8	M8	N9	N14			HSS4X4X4	None	None	A500 Gr.B Rect	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(...	Section/Shape	Type	Design List	Material	Design R...
9	M9	N24	N22			W8X10	None	None	A992	Typical
10	M10	N23	N21			W8X10	None	None	A992	Typical
11	M11	N20	N17			W8X10	None	None	A992	Typical
12	M12	N19	N18			W8X10	None	None	A992	Typical
13	M13	N20	N19			W8X10	None	None	A992	Typical
14	M14	N17	N18			W8X10	None	None	A992	Typical
15	M15	N20	N29		180	HSS3X3X4	None	None	FRP	Typical
16	M16	N19	N28		90	HSS3X3X4	None	None	FRP	Typical
17	M17	N17	N26		270	HSS3X3X4	None	None	FRP	Typical
18	M18	N18	N27			HSS3X3X4	None	None	FRP	Typical
19	M19	N27	N28		180	HSS3X3X4	None	None	A36 Gr.36	Typical
20	M20	N26	N29		90	HSS3X3X4	None	None	A36 Gr.36	Typical
21	M21	N29	N28		90	HSS3X3X4	None	None	A36 Gr.36	Typical
22	M22	N26	N27		180	HSS3X3X4	None	None	A36 Gr.36	Typical
23	M23	N30	N31		270	LL4x4x4x0	None	None	FRP	Typical
24	M24	N32	N33		270	LL4x4x4x0	None	None	FRP	Typical
25	M25	N34	N35		90	LL4x4x4x0	None	None	FRP	Typical
26	M26	N36	N37		90	LL4x4x4x0	None	None	FRP	Typical
27	M27	N38	N39			LL4x4x4x0	None	None	FRP	Typical
28	M28	N40	N41			LL4x4x4x0	None	None	FRP	Typical
29	M29	N42	N43		180	LL4x4x4x0	None	None	FRP	Typical
30	M30	N44	N45		180	LL4x4x4x0	None	None	FRP	Typical
31	M31	N11	N25			PIPE 4.0	None	None	A53 Gr.B	Typical
32	M32	N54	N55			L4X4X4	None	None	A36 Gr.36	Typical
33	M33	N56	N57			L4X4X4	None	None	A36 Gr.36	Typical

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Desi...	A [in2]	Iyy [i...	Izz [i...	J [in4]
1	(E) W16	W16X26	None	None	A53 Gr.B	Typical	7.68	9.59	301	.262
2	(E) Posts	PIPE_3.5	None	None	A53 Gr.B	Typical	2.5	4.52	4.52	9.04
3	(E) Dunnage Beam	HSS4X4X4	None	None	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	(E) K.B.	L3.5X3.5X4	None	None	A36 Gr.36	Typical	1.7	2	2	.039
5	(E) Stub	HSS3X3X4	None	None	A500 Gr.B Rect	Typical	2.44	3.02	3.02	5.08
6	(E) Roof Beam	W8X18	None	None	A992	Typical	5.26	7.97	61.9	.172
7	(E) Pipe 3.0 STD Antenna	PIPE_3.0	None	None	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
8	(P) Mast Pipe (2.4" Dia)	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	(P) Face Horizontal	PIPE_2.0	None	None	A53 Gr.B	Typical	1.02	.627	.627	1.25

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes	** NA **			None
3	M3						Yes	** NA **			None
4	M4						Yes	** NA **			None
5	M5						Yes	** NA **			None
6	M6						Yes	** NA **			None
7	M7						Yes	** NA **			None
8	M8						Yes	** NA **			None
9	M9						Yes	** NA **			None
10	M10						Yes	** NA **			None
11	M11						Yes	** NA **			None
12	M12						Yes	** NA **			None
13	M13						Yes	** NA **			None
14	M14						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None
20	M20						Yes	** NA **			None
21	M21						Yes	** NA **			None
22	M22						Yes	** NA **			None
23	M23						Yes	** NA **			None
24	M24						Yes	** NA **			None
25	M25						Yes	** NA **			None
26	M26						Yes	** NA **			None
27	M27						Yes	** NA **			None
28	M28						Yes	** NA **			None
29	M29						Yes	** NA **			None
30	M30						Yes	** NA **			None
31	M31						Yes	** NA **			None
32	M32						Yes	** NA **			None
33	M33						Yes	** NA **			None

Hot Rolled Steel Design Parameters

	Label	Shape	Length[...	Lbyy[in]	Lbzz[in]	Lcomp top	Lcomp bot	L-torq...	Kyy	Kzz	Cb	Funct...
1	M1	W12X26	585			Segment						Lateral
2	M2	W8X10	159	Segment		Lbyy						Lateral
3	M3	W8X10	159	Segment		Lbyy						Lateral
4	M4	W8X10	93.204			Lbyy						Lateral
5	M5	HSS4X4X4	32.004			Lbyy						Lateral
6	M6	HSS4X4X4	32.004			Lbyy						Lateral
7	M7	HSS4X4X4	32.004			Lbyy						Lateral
8	M8	HSS4X4X4	32.004			Lbyy						Lateral
9	M9	W8X10	126	Segment		Lbyy						Lateral
10	M10	W8X10	126	Segment		Lbyy						Lateral
11	M11	W8X10	126	Segment		Lbyy						Lateral
12	M12	W8X10	126	Segment		Lbyy						Lateral
13	M13	W8X10	126	Segment		Lbyy						Lateral
14	M14	W8X10	126	Segment		Lbyy						Lateral
15	M15	HSS3X3X4	84	6	6	Lbyy						Lateral
16	M16	HSS3X3X4	84	6	6	Lbyy						Lateral
17	M17	HSS3X3X4	84	6	6	Lbyy						Lateral
18	M18	HSS3X3X4	84	6	6	Lbyy						Lateral
19	M19	HSS3X3X4	126			Lbyy						Lateral
20	M20	HSS3X3X4	126			Lbyy						Lateral
21	M21	HSS3X3X4	126			Lbyy						Lateral
22	M22	HSS3X3X4	126			Lbyy						Lateral
23	M23	LL4x4x4x0	84	6		Lbyy						Lateral
24	M24	LL4x4x4x0	84	6		Lbyy						Lateral
25	M25	LL4x4x4x0	84	6		Lbyy						Lateral
26	M26	LL4x4x4x0	84	6		Lbyy						Lateral
27	M27	LL4x4x4x0	84	6		Lbyy						Lateral
28	M28	LL4x4x4x0	84	6		Lbyy						Lateral
29	M29	LL4x4x4x0	84	6	6	Lbyy						Lateral
30	M30	LL4x4x4x0	84	6		Lbyy						Lateral
31	M31	PIPE 4.0	116.004			Lbyy						Lateral
32	M32	L4X4X4	126			Lbyy						Lateral
33	M33	L4X4X4	126			Lbyy						Lateral

Joint Loads and Enforced Displacements

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

Member Point Loads (BLC 1 : Dead)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	M31	Y	-249.9	58
2	M31	Y	-244.71	58
3	M31	Y	-253.2	58
4	M31	Y	-210.9	58
5	M31	Y	-70.4	58
6	M31	Y	-80	58
7	M31	Y	-300	58
8	M31	Y	0	0
9	M31	Y	0	0
10	M31	Y	0	0
11	M31	Y	0	0
12	M31	Y	0	0
13	M31	Y	0	0
14	M31	Y	0	0
15	M18	Y	-150	%50
16	M26	Y	-150	%50
17	M25	Y	-150	%50
18	M16	Y	-150	%50
19	M28	Y	-150	%50
20	M27	Y	-150	%50
21	M15	Y	-150	%50
22	M23	Y	-150	%50
23	M24	Y	-150	%50
24	M17	Y	-150	%50
25	M29	Y	-150	%50
26	M30	Y	-150	%50

Member Point Loads (BLC 2 : Wind Front)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	M31	X	0	58
2	M31	X	0	58
3	M31	X	0	58
4	M31	X	0	58
5	M31	X	0	58
6	M31	X	0	58
7	M31	X	0	58
8	M31	X	0	0
9	M31	X	0	0
10	M31	X	0	0
11	M31	X	0	0
12	M31	X	0	0
13	M31	X	0	0
14	M31	X	0	0

Member Point Loads (BLC 3 : Wind Side)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
1	M31	Z	0	58
2	M31	Z	0	58
3	M31	Z	0	58

Member Point Loads (BLC 3 : Wind Side) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in,%]
4	M31	Z	0	58
5	M31	Z	0	58
6	M31	Z	0	58
7	M31	Z	0	58
8	M31	Z	0	0
9	M31	Z	0	0
10	M31	Z	0	0
11	M31	Z	0	0
12	M31	Z	0	0
13	M31	Z	0	0
14	M31	Z	0	0

Member Distributed Loads (BLC 4 : BLC 2 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M17	X	-43.978	-43.978	0	84
2	M18	X	-43.978	-43.978	1.865e-14	84
3	M29	X	-87.955	-87.955	2.132e-14	84
4	M30	X	-87.955	-87.955	2.665e-14	84

Member Distributed Loads (BLC 5 : BLC 3 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[in,%]	End Location[in,%]
1	M15	Z	-43.978	-43.978	3.997e-14	84
2	M17	Z	-43.978	-43.978	2.22e-14	84
3	M23	Z	-87.955	-87.955	3.73e-14	84
4	M24	Z	-87.955	-87.955	0	84

Member Area Loads (BLC 2 : Wind Front)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N26	N27	N18	N17	X	A-B	-25.13

Member Area Loads (BLC 3 : Wind Side)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N29	N26	N17	N20	Z	A-B	-25.13

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distribu...	Area(M...	Surface...
1	Dead	None		-1			26			
2	Wind Front	None					14		1	
3	Wind Side	None					14		1	
4	BLC 2 Transient Area Loads	None						4		
5	BLC 3 Transient Area Loads	None						4		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.4 D	Yes	Y		1	1.4																		
2	1.2 D + 1.0 W 0 Deg	Yes	Y		1	1.2	2	1																
3	1.2 D + 1.0 W 90 Deg	Yes	Y		1	1.2	3	1																
4	1.2 D + 1.0 W 180 Deg	Yes	Y		1	1.2	2	-1																
5	1.2 D + 1.0 W 270 Deg	Yes	Y		1	1.2	3	-1																
6	0.9 D + 1.0 W 0 Deg	Yes	Y		1	.9	2	1																

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
7	0.9 D + 1.0 W 90 Deg	Yes	Y		1	.9	3	1																
8	0.9 D + 1.0 W 180 Deg	Yes	Y		1	.9	2	-1																
9	0.9 D + 1.0 W 270 Deg	Yes	Y		1	.9	3	-1																

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

	Mem...	Shape	Code Check	Loc[in]	LC	Shea...	Loc[in]	Dir	LC	phi*Pnc...	phi*Pnt [...	phi*M...	phi*M...	Cb	Eqn
1	M1	W12X26	.739	341.25	1	.055	164.5...	y	3	11420....	344250	30637.58	8624...	1...	H1...
2	M7	HSS4X4X4	.548	0	4	.122	0	y	1	135426...	139518	16180.51	1618...	1...	H1...
3	M6	HSS4X4X4	.547	0	2	.122	0	y	1	135426...	139518	16180.51	1618...	1...	H1...
4	M29	LL4x4x4x0	.415	84	5	.020	0	y	4	1287.9...	57911.58	5251.05	1368....	2...	H1...
5	M32	L4X4X4	.354	63	2	.013	0	y	2	16837....	62532	3137....	5101....	1...	H2...
6	M9	W8X10	.354	17.063	2	.072	110.25	y	2	55528....	133200	6119....	2187...	1...	H1...
7	M10	W8X10	.352	17.063	4	.070	110.25	y	4	55528....	133200	6119....	2199...	1...	H1...
8	M24	LL4x4x4x0	.332	44.625	5	.019	0	y	3	5585.4...	57911.58	5251.05	1368....	2...	H1...
9	M23	LL4x4x4x0	.331	44.625	5	.019	0	y	3	5585.4...	57911.58	5251.05	1368....	2...	H1...
10	M30	LL4x4x4x0	.312	49	4	.020	0	y	2	5585.4...	57911.58	5251.05	1368....	2...	H1...
11	M12	W8X10	.297	15.75	2	.035	84	y	5	113963...	133200	6119....	3287...	2...	H1...
12	M3	W8X10	.255	66.25	4	.047	66.25	y	4	83587....	133200	6119....	3287...	1...	H1...
13	M33	L4X4X4	.255	63	3	.012	0	y	2	16837....	62532	3137....	5386....	1...	H2...
14	M2	W8X10	.253	66.25	2	.047	66.25	y	2	83587....	133200	6119....	3287...	1...	H1...
15	M31	PIPE_4.0	.223	0	4	.048	0		2	69147....	93240	10631...	1063...	2...	H1...
16	M14	W8X10	.221	126	4	.040	84	z	4	107282...	133200	6119....	1833...	1...	H1...
17	M5	HSS4X4X4	.209	0	5	.063	0	z	2	135426...	139518	16180.51	1618...	1...	H1...
18	M8	HSS4X4X4	.209	0	5	.066	0	z	4	135426...	139518	16180.51	1618...	1...	H1...
19	M4	W8X10	.183	46.602	4	.034	44.66	y	3	54178....	133200	6119....	3163...	1...	H1...
20	M11	W8X10	.178	110.25	5	.070	84	z	3	113963...	133200	6119....	2857...	1...	H1...
21	M28	LL4x4x4x0	.163	0	2	.011	0	z	3	5585.4...	57911.58	5251.05	1368....	2...	H1...
22	M25	LL4x4x4x0	.161	0	2	.009	0	z	2	5585.4...	57911.58	5251.05	1368....	2...	H1...
23	M26	LL4x4x4x0	.160	0	3	.009	0	z	4	5585.4...	57911.58	5251.05	1368....	2...	H1...
24	M27	LL4x4x4x0	.149	84	5	.009	0	z	3	5585.4...	57911.58	5251.05	1368....	2...	H1...
25	M18	HSS3X3X4	.143	0	4	.023	0	y	2	36339....	36607.32	3100.62	3100....	2...	H1...
26	M17	HSS3X3X4	.131	0	5	.024	0	y	5	36339....	36607.32	3100.62	3100....	2...	H1...
27	M15	HSS3X3X4	.131	0	5	.024	0	z	5	36339....	36607.32	3100.62	3100....	1	H1...
28	M13	W8X10	.109	126	2	.021	84	y	2	107282...	133200	6119....	1828...	1...	H1...
29	M16	HSS3X3X4	.083	0	2	.007	0	y	3	36339....	36607.32	3100.62	3100....	2...	H1...
30	M19	HSS3X3X4	.082	0	4	.036	84	y	3	40241....	79056	6696	6696	2...	H1...
31	M22	HSS3X3X4	.079	63	4	.054	42	z	4	40241....	79056	6696	6696	1...	H1...
32	M21	HSS3X3X4	.073	42	3	.039	84	z	2	40241....	79056	6696	6696	1...	H1...
33	M20	HSS3X3X4	.057	42	5	.040	84	y	5	40241....	79056	6696	6696	1...	H1...

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Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount Analysis

SMART Tool Project #: 10207176
Colliers Engineering & Design CT, P.C. Project #: 23777165

August 8, 2023

Site Information	*Site ID:*	*5000384908-VZW / RIDGEFIELD 5 CT - A*
	Site Name:	*RIDGEFIELD 5 CT - A*
	Carrier Name:	*Verizon Wireless*
	Address:	*37 Danbury Rd* *Ridgefield, Connecticut 06877* *Fairfield County*
	Latitude:	*41.290541°*
	Longitude:	*-73.49794611°*
Structure Information	*Tower Type:*	*31.5-Ft Rooftop*
	Mount Type:	*3.83-Ft Concealed T-Arms on 10' Mast Pipe*

FUZE ID # 17123991

Analysis Results

T-Arms & Mast Pipe: 41.9% **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
08/09/2023

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
Filter Add Scope	*Provided by Verizon Wireless, dated June 30, 2023*
Mount Mapping Report	*Onsite Services, Site #: 17123991, dated July 30, 2023*
Original Design Drawings	*Hudson Design Group, Site Name: Ridgefield 5 CT, Dated March 8, 2017*
As-Built Construction Drawings	*Centek Engineering, Job #: 21007.31, dated July 27, 2021 As-Built date August 15, 2022*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.977
Seismic Parameters:	S_S:	0.243 g
	S_1:	0.057 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	N/A
	Maintenance Live Load, Lm:	N/A
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
35.00	36.50	3	Samsung	MT6407-77A	Retained
	35.00	3	CommScope	NNH4-65B-R6H4	
		3	Samsung	B5/B13 RRH-BR04C (RFV01U-D2A)	
		3	Samsung	B2/B66A RRH-BR049 (RFV01U-D1A)	
		2	Raycap	RRFDC-3315-PF-48	
		4	Kaelus	KA-6030	Added

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design 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
Mast Pipe	41.9 %	Pass
Standoff Horizontal	17.2 %	Pass
Face Horizontal	20.0 %	Pass
Mount Pipe	13.5 %	Pass
Connection	0.3%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	41.9%

* 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	7.1	7.1	16.7	16.7
0.5	9.0	9.0	22.0	22.0
1	10.7	10.7	27.1	27.1

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

Requirements:

The existing mounts 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.

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

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MDG #: 5000384908 SMART Project #: 10207176 Fuze Project ID: 17123991

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.

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: 5000384908-VZW - RIDGEFIELD 5 CT - A

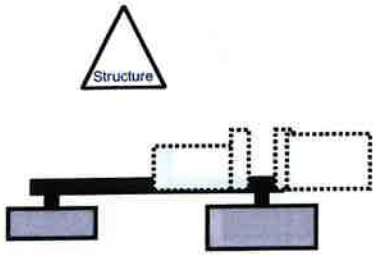
Sector: A
Structure Type: Rooftop
Mount Elev: 35.00

10207176

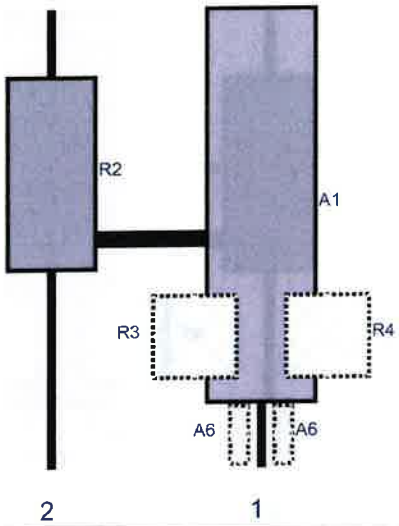
8/8/2023

Colliers Engineering & Design

Plan View



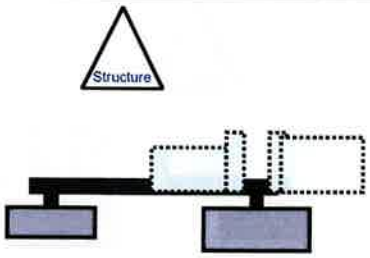
Front View - Looking at Structure



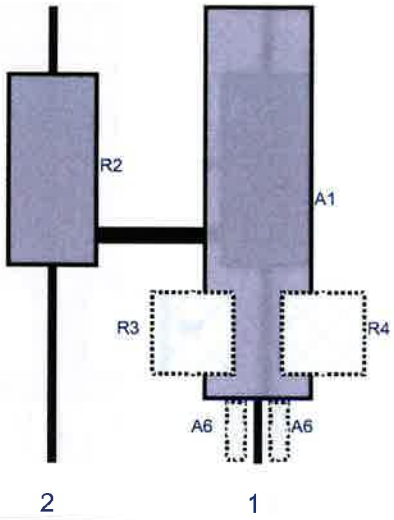
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	NNH4-65B-R6H4	72	19.6	42	1	a	Front	36	0	Retained	07/30/2023
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	42	1	a	Behind	60	-12	Retained	07/30/2023
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	42	1	a	Behind	60	12	Retained	07/30/2023
A6	KA-6030	10.6	3.2	42	1	a	Behind	78	-4	Added	
A6	KA-6030	10.6	3.2	42	1	b	Behind	78	4	Added	
R2	MT6407-77A	35.1	16.1	4	2	a	Front	30	0	Retained	07/30/2023
M1	RRFDC-3315-PF-48	29.5	16.5		Member					Retained	07/30/2023

Colliers Engineering & Design

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	NNH4-65B-R6H4	72	19.6	42	1	a	Front	36	0	Retained	07/30/2023
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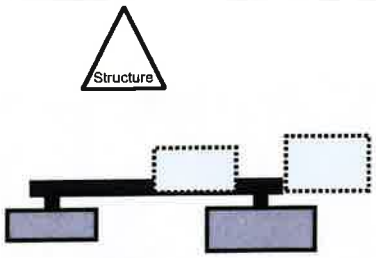
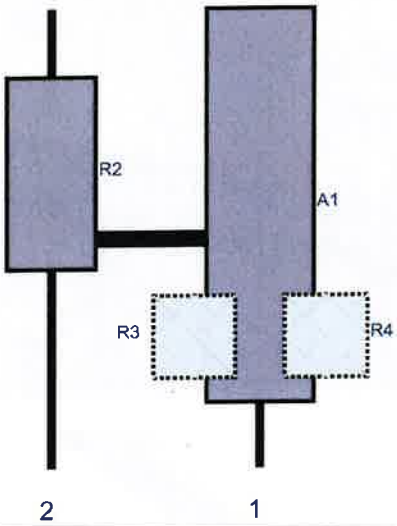
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	42	1	a	Behind	60	12	Retained	07/30/2023
A6	KA-6030	10.6	3.2	42	1	a	Behind	78	-4	Added	
A6	KA-6030	10.6	3.2	42	1	b	Behind	78	4	Added	
R2	MT6407-77A	35.1	16.1	4	2	a	Front	30	0	Retained	07/30/2023

Plan View



Front View - Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	NNH4-65B-R6H4	72	19.6	42	1	a	Front	36	0	Retained	07/30/2023
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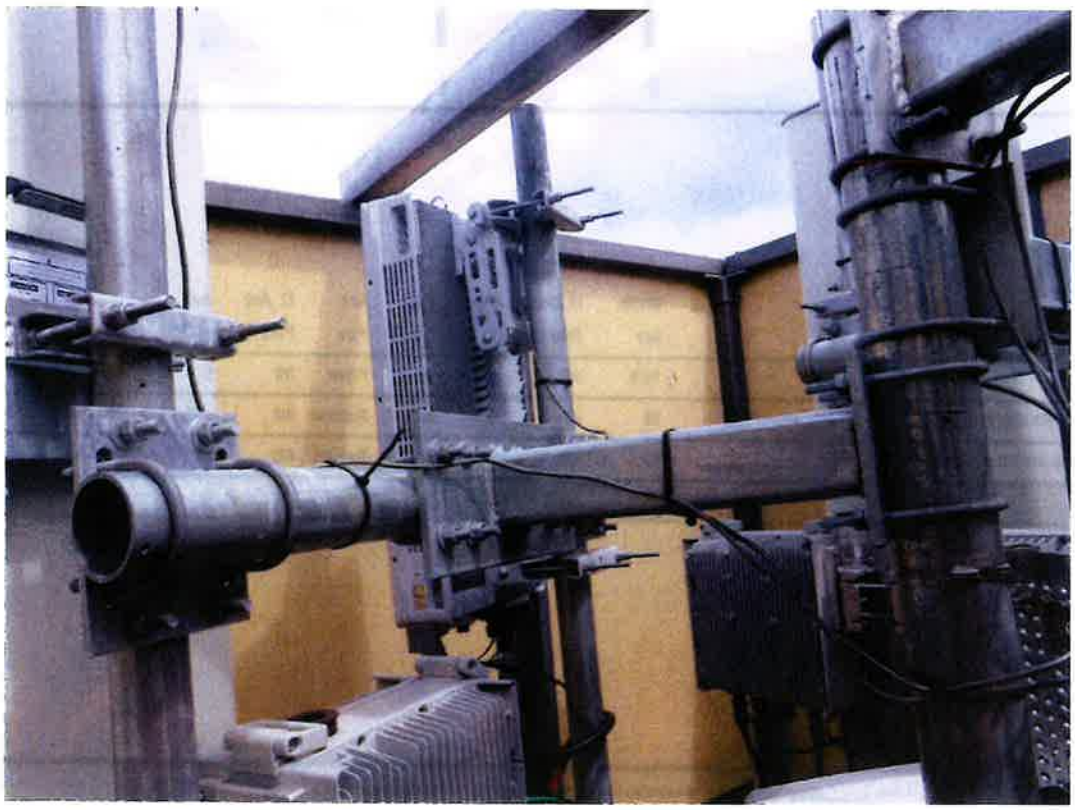
R4	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	42	1	a	Behind	60	12	Retained	07/30/2023
R2	MT6407-77A	35.1	16.1	4	2	a	Front	30	0	Retained	07/30/2023



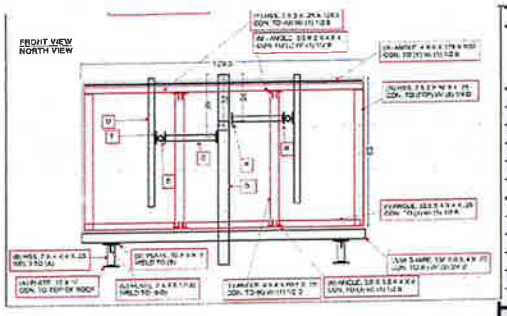
Ver 1 Updated on 12-17-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Colliers Engineering & Design

Tower Owner:	VERIZON	**Mapping Date:**	7/30/2023
Site Name:	RIDGEFIELD 5 CT -A	**Tower Type:**	Other
Site Number or ID:	17123991	**Tower Height (Ft.):**	34.5
Mapping Contractor:	UNSIGHT SERVICES	**Mount Elevation (Ft.):**	38.5



Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "b"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "b"	Horizontal Offset "C1, C2, C3, etc."
A1	2.9 X 7/32 X 84	24.00	4.00	C1	2.9 X 7/32 X 84	39.00	4.00
A2	2.9 X 7/32 X 84	24.00	42.00	C2	2.9 X 7/32 X 84	39.00	42.00
A3				C3			
A4				C4			
A5				C5			
A6				C6			
B1	2.9 X 7/32 X 84	32.00	4.00	D1			
B2	2.9 X 7/32 X 84	32.00	42.00	D2			
B3				D3			
B4				D4			
B5				D5			
B6				D6			

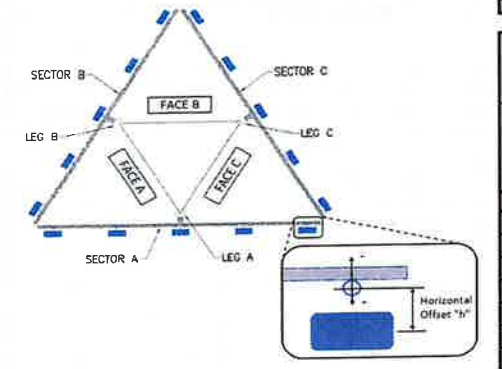
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :

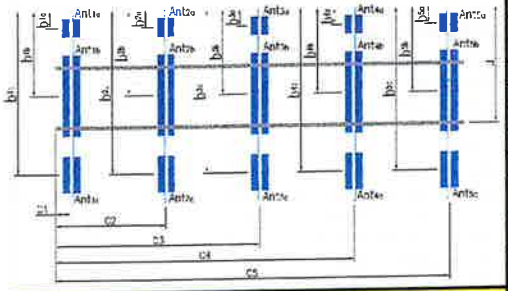
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :

Please enter additional infomation or comments below.

ROOF HEIGHT IS 34.5'

Tower Face Width at Mount Elev. (ft.): | Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 4.5



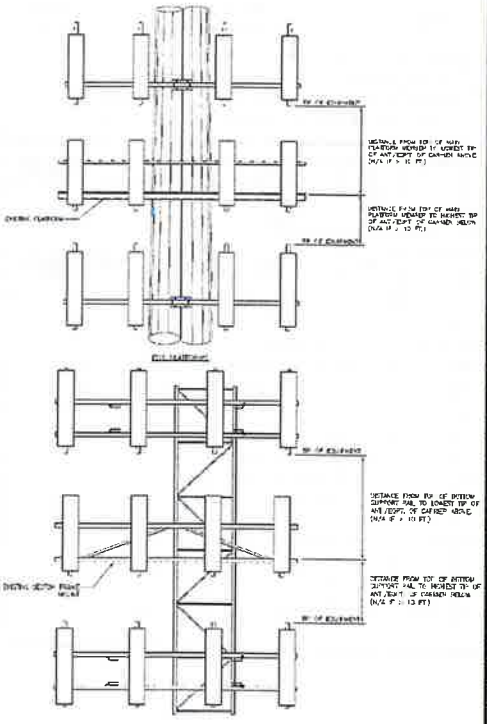


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
	Sector A									
Ant_{1a}	SAMSUNG, RFV01U-D1A					37	55.00	-12.00		309-313
Ant_{1b}	COMMSCOPE, NNH4-65B-R6H4-V1					38.5	39.00	9.00	50.00	279-302
Ant_{1c}	SAMSUNG, RFV01U-D2A					37	55.00	-12.00		303-308
Ant_{2a}										
Ant_{2b}	SAMSUNG, MT6407-77A					38.5	39.00	9.00	50.00	314-319
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RAYCAP, RRFDC-3315-PF-48					35				321-323
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	50.00	Deg	Leg A:		Deg
Sector B:	180.00	Deg	Leg B:		Deg
Sector C:	280.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	0.00 Deg	Sector A
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}	SAMSUNG, RFV01U-D1A					37	55.00	-12.00		309-313
Ant_{1b}	COMMSCOPE, NNH4-65B-R6H4-V1					38.5	39.00	9.00	180.00	279-302
Ant_{1c}	SAMSUNG, RFV01U-D2A					37	55.00	-12.00		303-308
Ant_{2a}										
Ant_{2b}	SAMSUNG, MT6407-77A					38.5	39.00	9.00	180.00	314-319
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	SAMSUNG, RFV01U-D1A					37	55.00	-12.00		309-313
Ant_{1b}	COMMSCOPE, NNH4-65B-R6H4-V1					38.5	39.00	9.00	280.00	279-302
Ant_{1c}	SAMSUNG, RFV01U-D2A					37	55.00	-12.00		303-308
Ant_{2a}										
Ant_{2b}	SAMSUNG, MT6407-77A					38.5	39.00	9.00	50.00	314-319
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

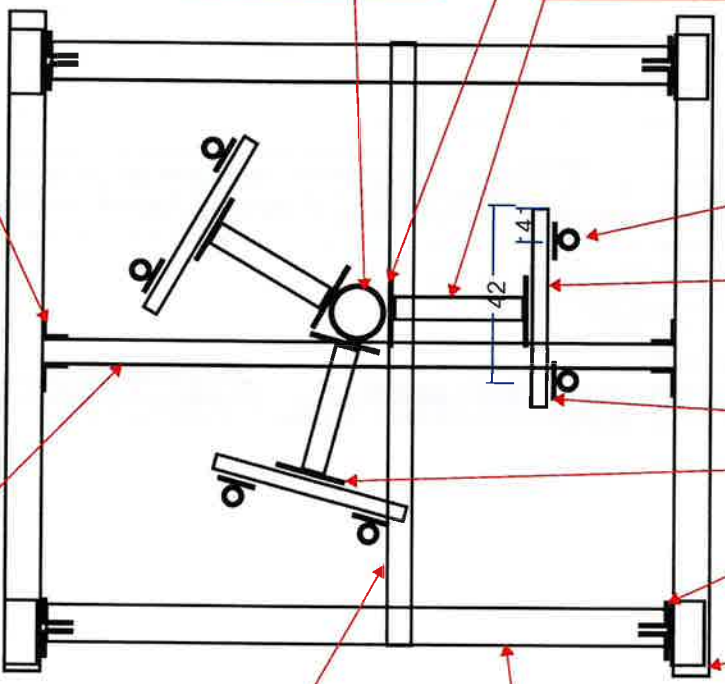
Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use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

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

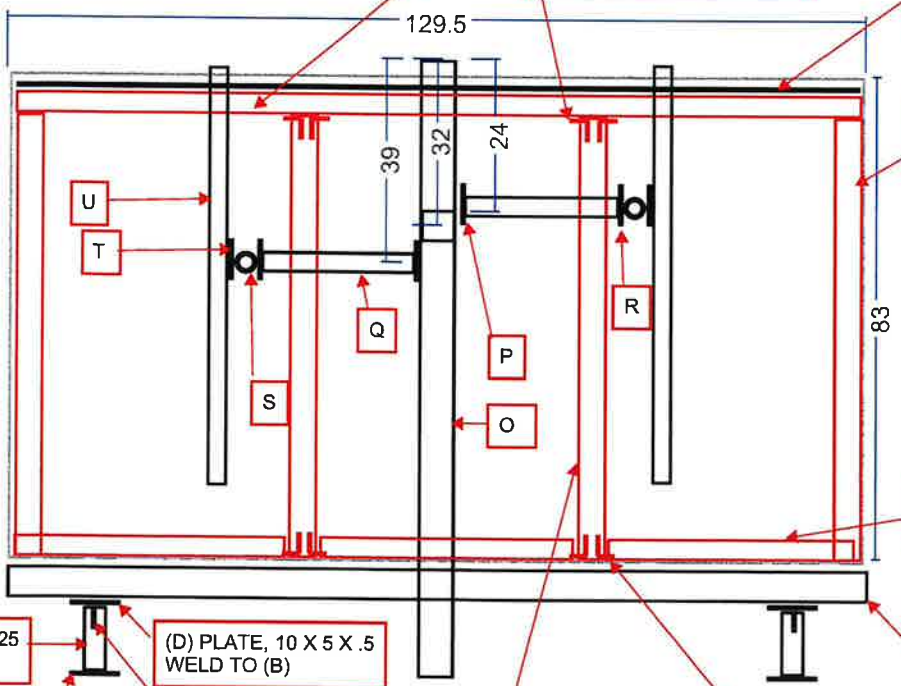
Site Number:

All measurements / offsets given in inches

TOP VIEW



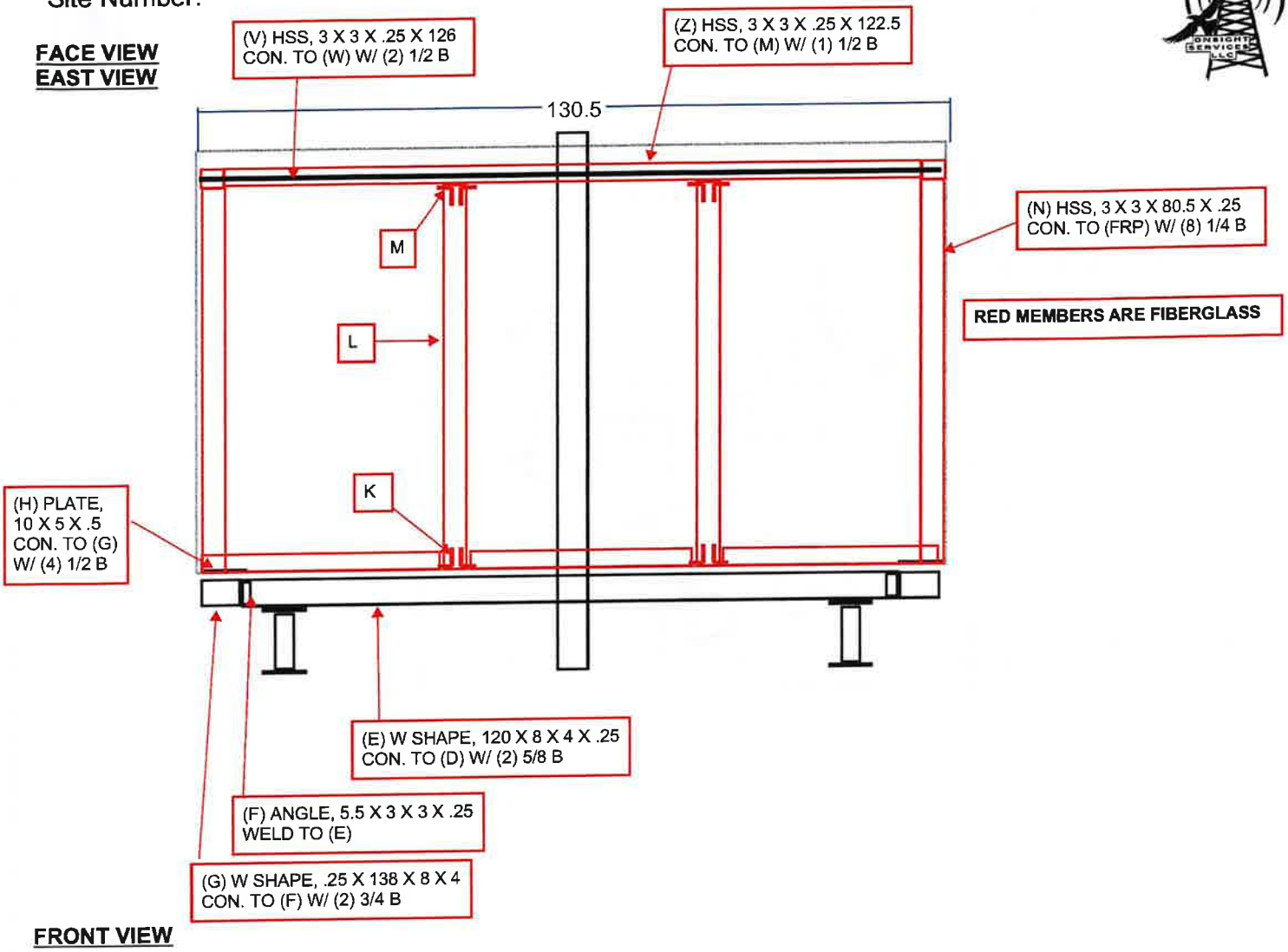
FRONT VIEW
NORTH VIEW



All measurements / offsets given in inches

Site Number:

FACE VIEW
EAST VIEW

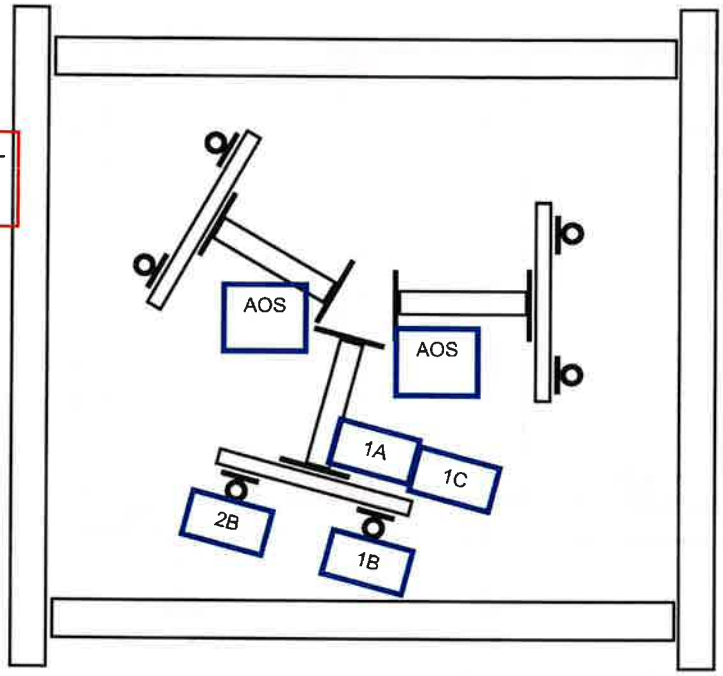


FRONT VIEW

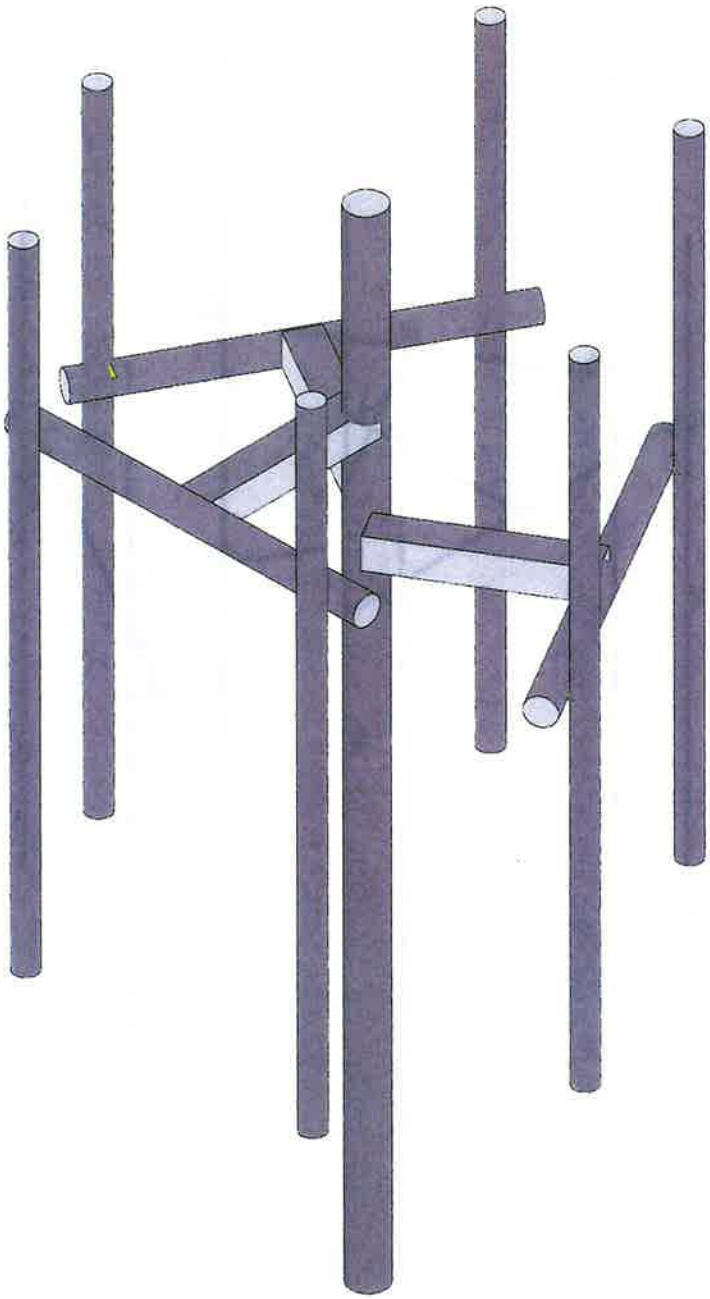
AZIMUTH 60, 180 , 280

ALL SECTORS ARE SYMMETRICAL

AOS ON CENTER PIPE

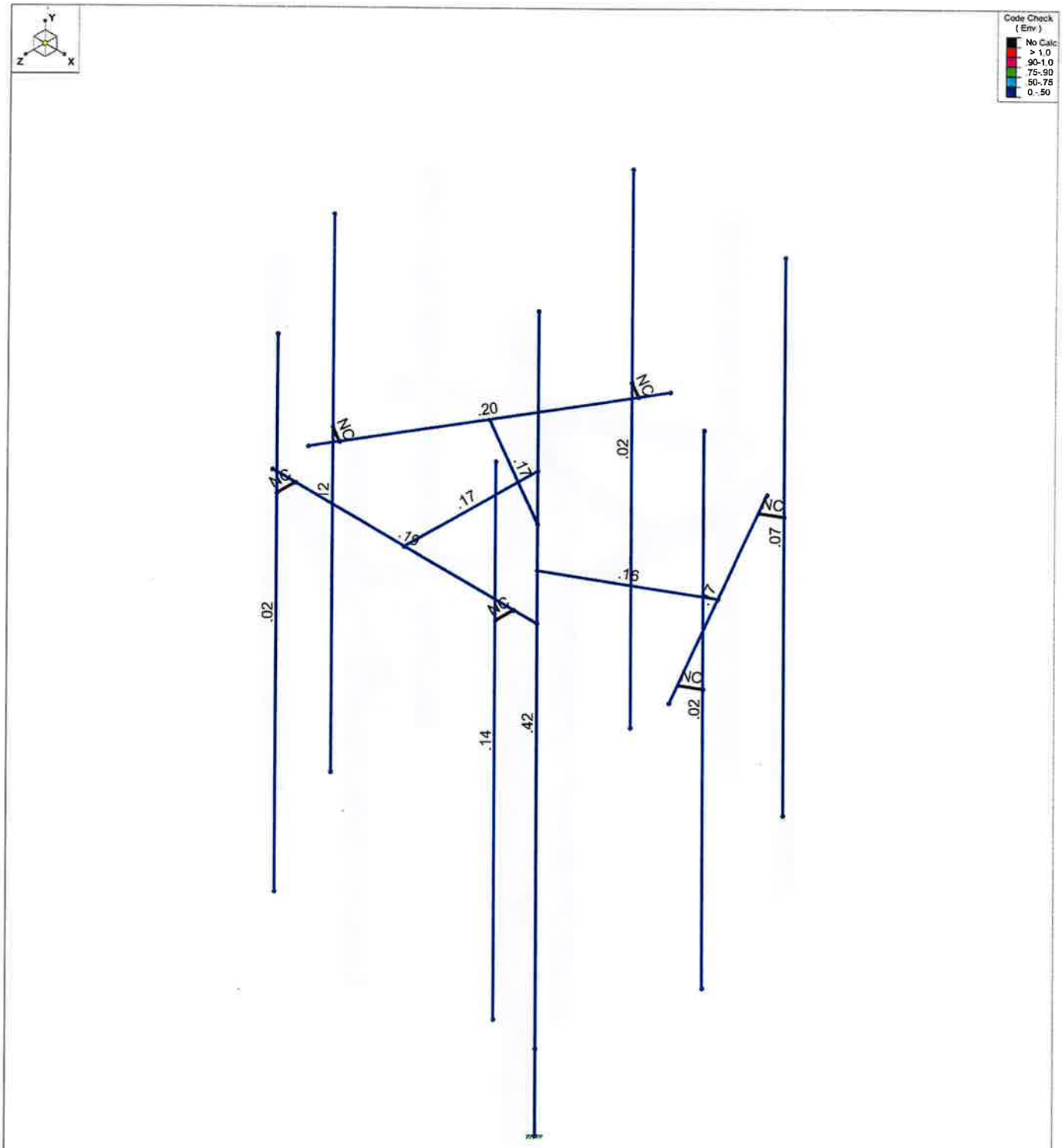


NORTH



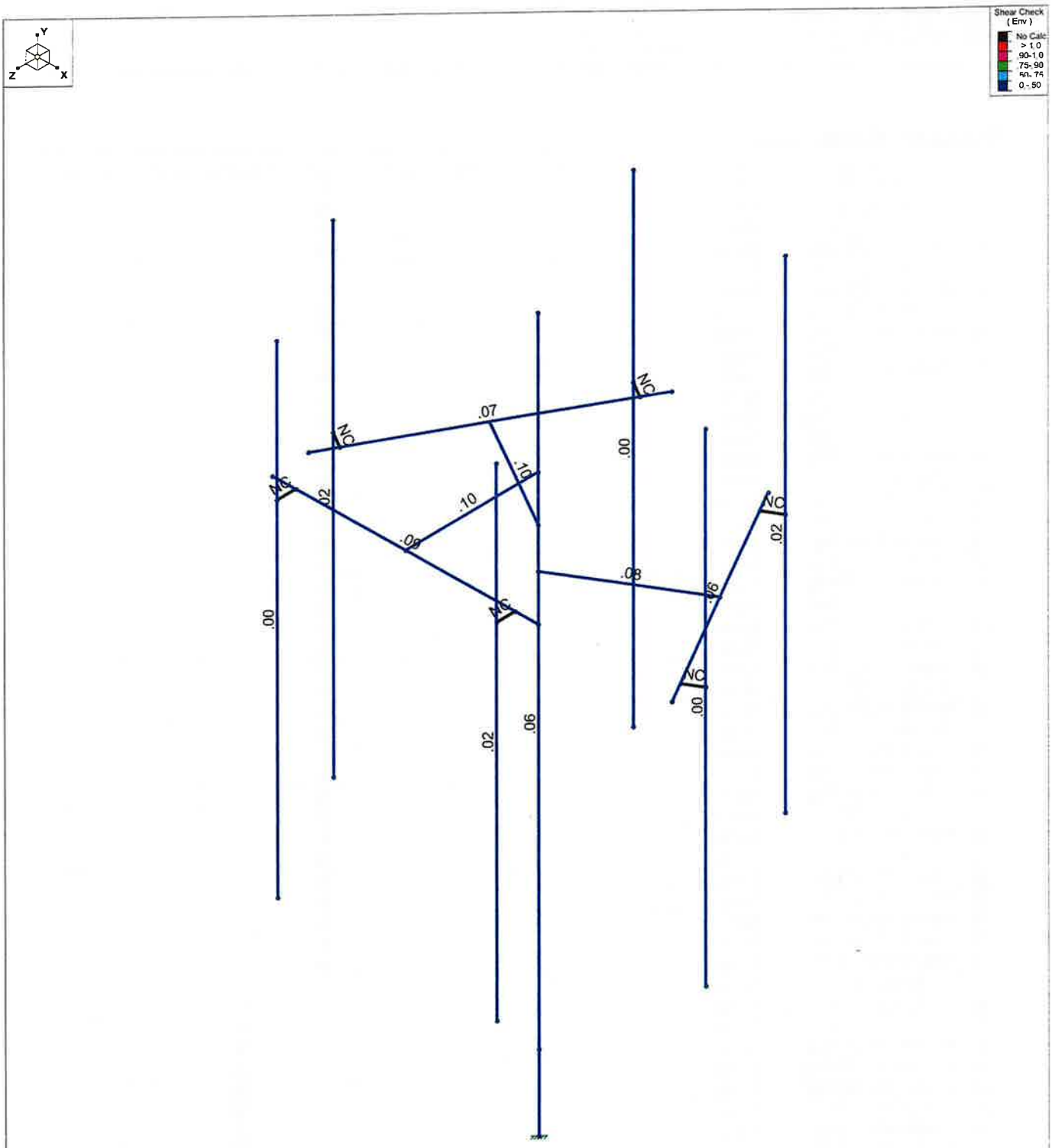
Envelope Only Solution

Colliers Engineering & De...	5000384908-VZW_MT_LO_H	
ILR		Aug 7, 2023 at 4:37 PM
Project No. 10207176		5000384908-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & De...	5000384908-VZW_MT_LO_H	
ILR		Aug 7, 2023 at 4:38 PM
Project No. 10207176		5000384908-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

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ILR		5000384908-VZW_MT_LO_H.r3d
Project No. 10207176		

Basic Load Cases

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

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
59	Structure Wi (180 De...	None						26		
60	Structure Wi (210 De...	None						26		
61	Structure Wi (240 De...	None						26		
62	Structure Wi (270 De...	None						26		
63	Structure Wi (300 De...	None						26		
64	Structure Wi (330 De...	None						26		
65	Structure Wm (0 Deg)	None						26		
66	Structure Wm (30 De...	None						26		
67	Structure Wm (60 De...	None						26		
68	Structure Wm (90 De...	None						26		
69	Structure Wm (120 D...	None						26		
70	Structure Wm (150 D...	None						26		
71	Structure Wm (180 D...	None						26		
72	Structure Wm (210 D...	None						26		
73	Structure Wm (240 D...	None						26		
74	Structure Wm (270 D...	None						26		
75	Structure Wm (300 D...	None						26		
76	Structure Wm (330 D...	None						26		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					84			
82	Antenna Eh (0 Deg)	None					56			
83	Antenna Eh (90 Deg)	None					56			
84	Structure Ev	ELY		-.156						
85	Structure Eh (0 Deg)	ELZ			-.389					
86	Structure Eh (90 Deg)	ELX	.389							

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...		Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...		Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...		Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...		Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...		Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...		Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...		Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...		Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...		Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...		Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...		Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...		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								
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...		Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	28	1	66	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..
27	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...		Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...		Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...		Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...		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	0	0	0	
2	N2	0	9.25	0	0	
3	N3	0	-1.083333	0	0	
4	N4	0	7.25	0	0	
5	N5	0	6.583333	0	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
6	N6	0	6	0	0	
7	N7	0.	7.25	1.916667	0	
8	N8	-1.659882	6.583333	-0.958333	0	
9	N9	1.659882	6	-0.958333	0	
10	N10	-1.916667	7.25	1.916667	0	
11	N11	1.916667	7.25	1.916667	0	
12	N12	-0.701549	6.583333	-2.618215	0	
13	N13	-2.618215	6.583333	0.701549	0	
14	N14	2.618215	6	0.701549	0	
15	N15	0.701549	6	-2.618215	0	
16	N16	1.583333	7.25	1.916667	0	
17	N17	-2.451549	6.583333	0.412874	0	
18	N18	0.868215	6	-2.32954	0	
19	N19	-1.583333	7.25	1.916667	0	
20	N20	-0.868215	6.583333	-2.32954	0	
21	N21	2.451549	6	0.412874	0	
22	N22	1.583333	9.25	2.1875	0	
23	N23	-1.583333	9.25	2.1875	0	
24	N24	1.583333	2.25	2.1875	0	
25	N25	-1.583333	2.25	2.1875	0	
26	N26	-2.686097	9.25	0.277457	0	
27	N27	-1.102764	9.25	-2.464957	0	
28	N28	-2.686097	2.25	0.277457	0	
29	N29	-1.102764	2.25	-2.464957	0	
30	N30	1.102764	9.25	-2.464957	0	
31	N31	2.686097	9.25	0.277457	0	
32	N32	1.102764	2.25	-2.464957	0	
33	N33	2.686097	2.25	0.277457	0	
34	N34	1.583333	7.25	2.1875	0	
35	N35	-1.583333	7.25	2.1875	0	
36	N36	-2.686097	6.583333	0.277457	0	
37	N37	-1.102764	6.583333	-2.464957	0	
38	N38	1.102764	6	-2.464957	0	
39	N39	2.686097	6	0.277457	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Mast Pipe	PIPE 4.0	Column	Pipe	A53 Gr.B	Typical	2.96	6.82	6.82	13.6
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A53 Gr.B	Typical	3.37	7.8	7.8	12.8
3	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
4	Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Sha...	Type	Design List	Material	Design Rules
1	M1	N3	N2			Mast Pipe	Column	Pipe	A53 Gr.B	Typical
2	M2	N4	N7			Standoff Ho...	Beam	SquareTube	A53 Gr.B	Typical
3	M3	N5	N8			Standoff Ho...	Beam	SquareTube	A53 Gr.B	Typical
4	M4	N6	N9			Standoff Ho...	Beam	SquareTube	A53 Gr.B	Typical
5	M5	N11	N10			Face Horizo..	Beam	Pipe	A53 Gr.B	Typical
6	M6	N13	N12			Face Horizo..	Beam	Pipe	A53 Gr.B	Typical
7	M7	N15	N14			Face Horizo..	Beam	Pipe	A53 Gr.B	Typical
8	MP1A	N22	N24			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP2A	N23	N25			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP1B	N26	N28			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP2B	N27	N29			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	MP1C	N30	N32			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
13	MP2C	N31	N33			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
14	M14	N19	N35			RIGID	None	None	RIGID	Typical
15	M15	N16	N34			RIGID	None	None	RIGID	Typical
16	M16	N20	N37			RIGID	None	None	RIGID	Typical
17	M17	N17	N36			RIGID	None	None	RIGID	Typical
18	M18	N21	N39			RIGID	None	None	RIGID	Typical
19	M19	N18	N38			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	** NA **			None
2	M2						Yes				None
3	M3						Yes				None
4	M4						Yes				None
5	M5						Yes				None
6	M6						Yes				None
7	M7						Yes				None
8	MP1A						Yes	** NA **			None
9	MP2A						Yes	** NA **			None
10	MP1B						Yes	** NA **			None
11	MP2B						Yes	** NA **			None
12	MP1C						Yes	** NA **			None
13	MP2C						Yes	** NA **			None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18						Yes	** NA **			None
19	M19						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-44.3	1.5
2	MP1A	My	-.022	1.5
3	MP1A	Mz	0	1.5
4	MP1A	Y	-44.3	4.5
5	MP1A	My	-.022	4.5
6	MP1A	Mz	0	4.5
7	MP1B	Y	-44.3	1.5
8	MP1B	My	.019	1.5
9	MP1B	Mz	-.011	1.5
10	MP1B	Y	-44.3	4.5
11	MP1B	My	.019	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mz	-.011	4.5
13	MP1C	Y	-44.3	1.5
14	MP1C	My	0	1.5
15	MP1C	Mz	.022	1.5
16	MP1C	Y	-44.3	4.5
17	MP1C	My	0	4.5
18	MP1C	Mz	.022	4.5
19	MP2A	Y	-43.55	1.5
20	MP2A	My	-.022	1.5
21	MP2A	Mz	0	1.5
22	MP2A	Y	-43.55	3.5
23	MP2A	My	-.022	3.5
24	MP2A	Mz	0	3.5
25	MP2B	Y	-43.55	1.5
26	MP2B	My	.019	1.5
27	MP2B	Mz	-.011	1.5
28	MP2B	Y	-43.55	3.5
29	MP2B	My	.019	3.5
30	MP2B	Mz	-.011	3.5
31	MP2C	Y	-43.55	1.5
32	MP2C	My	0	1.5
33	MP2C	Mz	.022	1.5
34	MP2C	Y	-43.55	3.5
35	MP2C	My	0	3.5
36	MP2C	Mz	.022	3.5
37	MP1A	Y	-70.3	5
38	MP1A	My	.047	5
39	MP1A	Mz	-.07	5
40	MP1B	Y	-70.3	5
41	MP1B	My	-.005	5
42	MP1B	Mz	.084	5
43	MP1C	Y	-70.3	5
44	MP1C	My	-.07	5
45	MP1C	Mz	-.047	5
46	MP1A	Y	-84.4	5
47	MP1A	My	.056	5
48	MP1A	Mz	.084	5
49	MP1B	Y	-84.4	5
50	MP1B	My	-.091	5
51	MP1B	Mz	-.045	5
52	MP1C	Y	-84.4	5
53	MP1C	My	.084	5
54	MP1C	Mz	-.056	5
55	M1	Y	-32	7
56	M1	My	.032	7
57	M1	Mz	0	7
58	MP1A	Y	-8.8	6
59	MP1A	My	.009	6
60	MP1A	Mz	-.003	6
61	MP1A	Y	-8.8	7
62	MP1A	My	.009	7
63	MP1A	Mz	-.003	7
64	MP1B	Y	-8.8	6
65	MP1B	My	-.006	6
66	MP1B	Mz	.007	6
67	MP1B	Y	-8.8	7
68	MP1B	My	-.006	7
69	MP1B	Mz	.007	7
70	MP1A	Y	-8.8	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP1A	My	.009	6
72	MP1A	Mz	.003	6
73	MP1A	Y	-8.8	7
74	MP1A	My	.009	7
75	MP1A	Mz	.003	7
76	MP1B	Y	-8.8	6
77	MP1B	My	-.009	6
78	MP1B	Mz	.002	6
79	MP1B	Y	-8.8	7
80	MP1B	My	-.009	7
81	MP1B	Mz	.002	7
82	M1	Y	-32	8.5
83	M1	My	.016	8.5
84	M1	Mz	.028	8.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-74.483	1.5
2	MP1A	My	-.037	1.5
3	MP1A	Mz	0	1.5
4	MP1A	Y	-74.483	4.5
5	MP1A	My	-.037	4.5
6	MP1A	Mz	0	4.5
7	MP1B	Y	-74.483	1.5
8	MP1B	My	.032	1.5
9	MP1B	Mz	-.019	1.5
10	MP1B	Y	-74.483	4.5
11	MP1B	My	.032	4.5
12	MP1B	Mz	-.019	4.5
13	MP1C	Y	-74.483	1.5
14	MP1C	My	0	1.5
15	MP1C	Mz	.037	1.5
16	MP1C	Y	-74.483	4.5
17	MP1C	My	0	4.5
18	MP1C	Mz	.037	4.5
19	MP2A	Y	-30.591	1.5
20	MP2A	My	-.015	1.5
21	MP2A	Mz	0	1.5
22	MP2A	Y	-30.591	3.5
23	MP2A	My	-.015	3.5
24	MP2A	Mz	0	3.5
25	MP2B	Y	-30.591	1.5
26	MP2B	My	.013	1.5
27	MP2B	Mz	-.008	1.5
28	MP2B	Y	-30.591	3.5
29	MP2B	My	.013	3.5
30	MP2B	Mz	-.008	3.5
31	MP2C	Y	-30.591	1.5
32	MP2C	My	0	1.5
33	MP2C	Mz	.015	1.5
34	MP2C	Y	-30.591	3.5
35	MP2C	My	0	3.5
36	MP2C	Mz	.015	3.5
37	MP1A	Y	-34.575	5
38	MP1A	My	.023	5
39	MP1A	Mz	-.035	5
40	MP1B	Y	-34.575	5
41	MP1B	My	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP1B	Mz	.041	5
43	MP1C	Y	-34.575	5
44	MP1C	My	-.035	5
45	MP1C	Mz	-.023	5
46	MP1A	Y	-38.487	5
47	MP1A	My	.026	5
48	MP1A	Mz	.038	5
49	MP1B	Y	-38.487	5
50	MP1B	My	-.041	5
51	MP1B	Mz	-.021	5
52	MP1C	Y	-38.487	5
53	MP1C	My	.038	5
54	MP1C	Mz	-.026	5
55	M1	Y	-75.698	7
56	M1	My	.076	7
57	M1	Mz	0	7
58	MP1A	Y	-7.351	6
59	MP1A	My	.007	6
60	MP1A	Mz	-.002	6
61	MP1A	Y	-7.351	7
62	MP1A	My	.007	7
63	MP1A	Mz	-.002	7
64	MP1B	Y	-7.351	6
65	MP1B	My	-.005	6
66	MP1B	Mz	.006	6
67	MP1B	Y	-7.351	7
68	MP1B	My	-.005	7
69	MP1B	Mz	.006	7
70	MP1A	Y	-7.351	6
71	MP1A	My	.007	6
72	MP1A	Mz	.002	6
73	MP1A	Y	-7.351	7
74	MP1A	My	.007	7
75	MP1A	Mz	.002	7
76	MP1B	Y	-7.351	6
77	MP1B	My	-.008	6
78	MP1B	Mz	.002	6
79	MP1B	Y	-7.351	7
80	MP1B	My	-.008	7
81	MP1B	Mz	.002	7
82	M1	Y	-75.698	8.5
83	M1	My	.038	8.5
84	M1	Mz	.066	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-138.292	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	-138.292	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	-119.921	1.5
9	MP1B	Mx	.03	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	-119.921	4.5
12	MP1B	Mx	.03	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP1C	X	0	1.5
14	MP1C	Z	-64.807	1.5
15	MP1C	Mx	-.032	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	-64.807	4.5
18	MP1C	Mx	-.032	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	-44.181	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	-44.181	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	-36.94	1.5
27	MP2B	Mx	.009	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	-36.94	3.5
30	MP2B	Mx	.009	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	-15.216	1.5
33	MP2C	Mx	-.008	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	-15.216	3.5
36	MP2C	Mx	-.008	3.5
37	MP1A	X	0	5
38	MP1A	Z	-34.939	5
39	MP1A	Mx	.035	5
40	MP1B	X	0	5
41	MP1B	Z	-30.995	5
42	MP1B	Mx	-.037	5
43	MP1C	X	0	5
44	MP1C	Z	-19.16	5
45	MP1C	Mx	.013	5
46	MP1A	X	0	5
47	MP1A	Z	-34.939	5
48	MP1A	Mx	-.035	5
49	MP1B	X	0	5
50	MP1B	Z	-32.065	5
51	MP1B	Mx	.017	5
52	MP1C	X	0	5
53	MP1C	Z	-23.443	5
54	MP1C	Mx	.016	5
55	M1	X	0	7
56	M1	Z	-71.457	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	-10.82	6
60	MP1A	Mx	.004	6
61	MP1A	X	0	7
62	MP1A	Z	-10.82	7
63	MP1A	Mx	.004	7
64	MP1B	X	0	6
65	MP1B	Z	-10.828	6
66	MP1B	Mx	-.009	6
67	MP1B	X	0	7
68	MP1B	Z	-10.828	7
69	MP1B	Mx	-.009	7
70	MP1A	X	0	6
71	MP1A	Z	-10.82	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1A	Mx	-.004	6
73	MP1A	X	0	7
74	MP1A	Z	-10.82	7
75	MP1A	Mx	-.004	7
76	MP1B	X	0	6
77	MP1B	Z	-10.828	6
78	MP1B	Mx	-.002	6
79	MP1B	X	0	7
80	MP1B	Z	-10.828	7
81	MP1B	Mx	-.002	7
82	M1	X	0	8.5
83	M1	Z	-67.174	8.5
84	M1	Mx	-.058	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	59.96	1.5
2	MP1A	Z	-103.855	1.5
3	MP1A	Mx	-.03	1.5
4	MP1A	X	59.96	4.5
5	MP1A	Z	-103.855	4.5
6	MP1A	Mx	-.03	4.5
7	MP1B	X	41.589	1.5
8	MP1B	Z	-72.034	1.5
9	MP1B	Mx	.036	1.5
10	MP1B	X	41.589	4.5
11	MP1B	Z	-72.034	4.5
12	MP1B	Mx	.036	4.5
13	MP1C	X	41.589	1.5
14	MP1C	Z	-72.034	1.5
15	MP1C	Mx	-.036	1.5
16	MP1C	X	41.589	4.5
17	MP1C	Z	-72.034	4.5
18	MP1C	Mx	-.036	4.5
19	MP2A	X	18.47	1.5
20	MP2A	Z	-31.991	1.5
21	MP2A	Mx	-.009	1.5
22	MP2A	X	18.47	3.5
23	MP2A	Z	-31.991	3.5
24	MP2A	Mx	-.009	3.5
25	MP2B	X	11.229	1.5
26	MP2B	Z	-19.448	1.5
27	MP2B	Mx	.01	1.5
28	MP2B	X	11.229	3.5
29	MP2B	Z	-19.448	3.5
30	MP2B	Mx	.01	3.5
31	MP2C	X	11.229	1.5
32	MP2C	Z	-19.448	1.5
33	MP2C	Mx	-.01	1.5
34	MP2C	X	11.229	3.5
35	MP2C	Z	-19.448	3.5
36	MP2C	Mx	-.01	3.5
37	MP1A	X	15.497	5
38	MP1A	Z	-26.842	5
39	MP1A	Mx	.037	5
40	MP1B	X	11.553	5
41	MP1B	Z	-20.01	5
42	MP1B	Mx	-.025	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP1C	X	11.553	5
44	MP1C	Z	-20.01	5
45	MP1C	Mx	.002	5
46	MP1A	X	16.033	5
47	MP1A	Z	-27.769	5
48	MP1A	Mx	-.017	5
49	MP1B	X	13.159	5
50	MP1B	Z	-22.791	5
51	MP1B	Mx	-.002	5
52	MP1C	X	13.159	5
53	MP1C	Z	-22.791	5
54	MP1C	Mx	.028	5
55	M1	X	33.587	7
56	M1	Z	-58.174	7
57	M1	Mx	.034	7
58	MP1A	X	5.414	6
59	MP1A	Z	-9.377	6
60	MP1A	Mx	.009	6
61	MP1A	X	5.414	7
62	MP1A	Z	-9.377	7
63	MP1A	Mx	.009	7
64	MP1B	X	5.422	6
65	MP1B	Z	-9.391	6
66	MP1B	Mx	-.011	6
67	MP1B	X	5.422	7
68	MP1B	Z	-9.391	7
69	MP1B	Mx	-.011	7
70	MP1A	X	5.414	6
71	MP1A	Z	-9.377	6
72	MP1A	Mx	.002	6
73	MP1A	X	5.414	7
74	MP1A	Z	-9.377	7
75	MP1A	Mx	.002	7
76	MP1B	X	5.422	6
77	MP1B	Z	-9.391	6
78	MP1B	Mx	-.008	6
79	MP1B	X	5.422	7
80	MP1B	Z	-9.391	7
81	MP1B	Mx	-.008	7
82	M1	X	29.304	8.5
83	M1	Z	-50.756	8.5
84	M1	Mx	-.029	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	72.034	1.5
2	MP1A	Z	-41.589	1.5
3	MP1A	Mx	-.036	1.5
4	MP1A	X	72.034	4.5
5	MP1A	Z	-41.589	4.5
6	MP1A	Mx	-.036	4.5
7	MP1B	X	56.124	1.5
8	MP1B	Z	-32.403	1.5
9	MP1B	Mx	.032	1.5
10	MP1B	X	56.124	4.5
11	MP1B	Z	-32.403	4.5
12	MP1B	Mx	.032	4.5
13	MP1C	X	103.855	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP1C	Z	-59.96	1.5
15	MP1C	Mx	-.03	1.5
16	MP1C	X	103.855	4.5
17	MP1C	Z	-59.96	4.5
18	MP1C	Mx	-.03	4.5
19	MP2A	X	19.448	1.5
20	MP2A	Z	-11.229	1.5
21	MP2A	Mx	-.01	1.5
22	MP2A	X	19.448	3.5
23	MP2A	Z	-11.229	3.5
24	MP2A	Mx	-.01	3.5
25	MP2B	X	13.177	1.5
26	MP2B	Z	-7.608	1.5
27	MP2B	Mx	.008	1.5
28	MP2B	X	13.177	3.5
29	MP2B	Z	-7.608	3.5
30	MP2B	Mx	.008	3.5
31	MP2C	X	31.991	1.5
32	MP2C	Z	-18.47	1.5
33	MP2C	Mx	-.009	1.5
34	MP2C	X	31.991	3.5
35	MP2C	Z	-18.47	3.5
36	MP2C	Mx	-.009	3.5
37	MP1A	X	20.01	5
38	MP1A	Z	-11.553	5
39	MP1A	Mx	.025	5
40	MP1B	X	16.593	5
41	MP1B	Z	-9.58	5
42	MP1B	Mx	-.013	5
43	MP1C	X	26.842	5
44	MP1C	Z	-15.497	5
45	MP1C	Mx	-.017	5
46	MP1A	X	22.791	5
47	MP1A	Z	-13.159	5
48	MP1A	Mx	.002	5
49	MP1B	X	20.302	5
50	MP1B	Z	-11.722	5
51	MP1B	Mx	-.016	5
52	MP1C	X	27.769	5
53	MP1C	Z	-16.033	5
54	MP1C	Mx	.038	5
55	M1	X	50.756	7
56	M1	Z	-29.304	7
57	M1	Mx	.051	7
58	MP1A	X	9.391	6
59	MP1A	Z	-5.422	6
60	MP1A	Mx	.011	6
61	MP1A	X	9.391	7
62	MP1A	Z	-5.422	7
63	MP1A	Mx	.011	7
64	MP1B	X	9.398	6
65	MP1B	Z	-5.426	6
66	MP1B	Mx	-.011	6
67	MP1B	X	9.398	7
68	MP1B	Z	-5.426	7
69	MP1B	Mx	-.011	7
70	MP1A	X	9.391	6
71	MP1A	Z	-5.422	6
72	MP1A	Mx	.008	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1A	X	9.391	7
74	MP1A	Z	-5.422	7
75	MP1A	Mx	.008	7
76	MP1B	X	9.398	6
77	MP1B	Z	-5.426	6
78	MP1B	Mx	-.011	6
79	MP1B	X	9.398	7
80	MP1B	Z	-5.426	7
81	MP1B	Mx	-.011	7
82	M1	X	47.047	8.5
83	M1	Z	-27.163	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	64.807	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.032	1.5
4	MP1A	X	64.807	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	-.032	4.5
7	MP1B	X	83.178	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.036	1.5
10	MP1B	X	83.178	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	.036	4.5
13	MP1C	X	138.292	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	138.292	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	15.216	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.008	1.5
22	MP2A	X	15.216	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	-.008	3.5
25	MP2B	X	22.457	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.01	1.5
28	MP2B	X	22.457	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	.01	3.5
31	MP2C	X	44.181	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	44.181	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	19.16	5
38	MP1A	Z	0	5
39	MP1A	Mx	.013	5
40	MP1B	X	23.105	5
41	MP1B	Z	0	5
42	MP1B	Mx	-.002	5
43	MP1C	X	34.939	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP1C	Z	0	5
45	MP1C	Mx	-.035	5
46	MP1A	X	23.443	5
47	MP1A	Z	0	5
48	MP1A	Mx	.016	5
49	MP1B	X	26.317	5
50	MP1B	Z	0	5
51	MP1B	Mx	-.028	5
52	MP1C	X	34.939	5
53	MP1C	Z	0	5
54	MP1C	Mx	.035	5
55	M1	X	54.325	7
56	M1	Z	0	7
57	M1	Mx	.054	7
58	MP1A	X	10.852	6
59	MP1A	Z	0	6
60	MP1A	Mx	.011	6
61	MP1A	X	10.852	7
62	MP1A	Z	0	7
63	MP1A	Mx	.011	7
64	MP1B	X	10.844	6
65	MP1B	Z	0	6
66	MP1B	Mx	-.008	6
67	MP1B	X	10.844	7
68	MP1B	Z	0	7
69	MP1B	Mx	-.008	7
70	MP1A	X	10.852	6
71	MP1A	Z	0	6
72	MP1A	Mx	.011	6
73	MP1A	X	10.852	7
74	MP1A	Z	0	7
75	MP1A	Mx	.011	7
76	MP1B	X	10.844	6
77	MP1B	Z	0	6
78	MP1B	Mx	-.011	6
79	MP1B	X	10.844	7
80	MP1B	Z	0	7
81	MP1B	Mx	-.011	7
82	M1	X	58.608	8.5
83	M1	Z	0	8.5
84	M1	Mx	.029	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	72.034	1.5
2	MP1A	Z	41.589	1.5
3	MP1A	Mx	-.036	1.5
4	MP1A	X	72.034	4.5
5	MP1A	Z	41.589	4.5
6	MP1A	Mx	-.036	4.5
7	MP1B	X	103.855	1.5
8	MP1B	Z	59.96	1.5
9	MP1B	Mx	.03	1.5
10	MP1B	X	103.855	4.5
11	MP1B	Z	59.96	4.5
12	MP1B	Mx	.03	4.5
13	MP1C	X	103.855	1.5
14	MP1C	Z	59.96	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1C	Mx	.03	1.5
16	MP1C	X	103.855	4.5
17	MP1C	Z	59.96	4.5
18	MP1C	Mx	.03	4.5
19	MP2A	X	19.448	1.5
20	MP2A	Z	11.229	1.5
21	MP2A	Mx	-.01	1.5
22	MP2A	X	19.448	3.5
23	MP2A	Z	11.229	3.5
24	MP2A	Mx	-.01	3.5
25	MP2B	X	31.991	1.5
26	MP2B	Z	18.47	1.5
27	MP2B	Mx	.009	1.5
28	MP2B	X	31.991	3.5
29	MP2B	Z	18.47	3.5
30	MP2B	Mx	.009	3.5
31	MP2C	X	31.991	1.5
32	MP2C	Z	18.47	1.5
33	MP2C	Mx	.009	1.5
34	MP2C	X	31.991	3.5
35	MP2C	Z	18.47	3.5
36	MP2C	Mx	.009	3.5
37	MP1A	X	20.01	5
38	MP1A	Z	11.553	5
39	MP1A	Mx	.002	5
40	MP1B	X	26.842	5
41	MP1B	Z	15.497	5
42	MP1B	Mx	.017	5
43	MP1C	X	26.842	5
44	MP1C	Z	15.497	5
45	MP1C	Mx	-.037	5
46	MP1A	X	22.791	5
47	MP1A	Z	13.159	5
48	MP1A	Mx	.028	5
49	MP1B	X	27.769	5
50	MP1B	Z	16.033	5
51	MP1B	Mx	-.038	5
52	MP1C	X	27.769	5
53	MP1C	Z	16.033	5
54	MP1C	Mx	.017	5
55	M1	X	50.756	7
56	M1	Z	29.304	7
57	M1	Mx	.051	7
58	MP1A	X	9.391	6
59	MP1A	Z	5.422	6
60	MP1A	Mx	.008	6
61	MP1A	X	9.391	7
62	MP1A	Z	5.422	7
63	MP1A	Mx	.008	7
64	MP1B	X	9.377	6
65	MP1B	Z	5.414	6
66	MP1B	Mx	-.002	6
67	MP1B	X	9.377	7
68	MP1B	Z	5.414	7
69	MP1B	Mx	-.002	7
70	MP1A	X	9.391	6
71	MP1A	Z	5.422	6
72	MP1A	Mx	.011	6
73	MP1A	X	9.391	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1A	Z	5.422	7
75	MP1A	Mx	.011	7
76	MP1B	X	9.377	6
77	MP1B	Z	5.414	6
78	MP1B	Mx	-.009	6
79	MP1B	X	9.377	7
80	MP1B	Z	5.414	7
81	MP1B	Mx	-.009	7
82	M1	X	58.174	8.5
83	M1	Z	33.587	8.5
84	M1	Mx	.058	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	59.96	1.5
2	MP1A	Z	103.855	1.5
3	MP1A	Mx	-.03	1.5
4	MP1A	X	59.96	4.5
5	MP1A	Z	103.855	4.5
6	MP1A	Mx	-.03	4.5
7	MP1B	X	69.146	1.5
8	MP1B	Z	119.765	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	69.146	4.5
11	MP1B	Z	119.765	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	41.589	1.5
14	MP1C	Z	72.034	1.5
15	MP1C	Mx	.036	1.5
16	MP1C	X	41.589	4.5
17	MP1C	Z	72.034	4.5
18	MP1C	Mx	.036	4.5
19	MP2A	X	18.47	1.5
20	MP2A	Z	31.991	1.5
21	MP2A	Mx	-.009	1.5
22	MP2A	X	18.47	3.5
23	MP2A	Z	31.991	3.5
24	MP2A	Mx	-.009	3.5
25	MP2B	X	22.091	1.5
26	MP2B	Z	38.262	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	22.091	3.5
29	MP2B	Z	38.262	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	11.229	1.5
32	MP2C	Z	19.448	1.5
33	MP2C	Mx	.01	1.5
34	MP2C	X	11.229	3.5
35	MP2C	Z	19.448	3.5
36	MP2C	Mx	.01	3.5
37	MP1A	X	15.497	5
38	MP1A	Z	26.842	5
39	MP1A	Mx	-.017	5
40	MP1B	X	17.47	5
41	MP1B	Z	30.258	5
42	MP1B	Mx	.035	5
43	MP1C	X	11.553	5
44	MP1C	Z	20.01	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	-.025	5
46	MP1A	X	16.033	5
47	MP1A	Z	27.769	5
48	MP1A	Mx	.038	5
49	MP1B	X	17.47	5
50	MP1B	Z	30.258	5
51	MP1B	Mx	-.035	5
52	MP1C	X	13.159	5
53	MP1C	Z	22.791	5
54	MP1C	Mx	-.002	5
55	M1	X	33.587	7
56	M1	Z	58.174	7
57	M1	Mx	.034	7
58	MP1A	X	5.414	6
59	MP1A	Z	9.377	6
60	MP1A	Mx	.002	6
61	MP1A	X	5.414	7
62	MP1A	Z	9.377	7
63	MP1A	Mx	.002	7
64	MP1B	X	5.41	6
65	MP1B	Z	9.37	6
66	MP1B	Mx	.004	6
67	MP1B	X	5.41	7
68	MP1B	Z	9.37	7
69	MP1B	Mx	.004	7
70	MP1A	X	5.414	6
71	MP1A	Z	9.377	6
72	MP1A	Mx	.009	6
73	MP1A	X	5.414	7
74	MP1A	Z	9.377	7
75	MP1A	Mx	.009	7
76	MP1B	X	5.41	6
77	MP1B	Z	9.37	6
78	MP1B	Mx	-.004	6
79	MP1B	X	5.41	7
80	MP1B	Z	9.37	7
81	MP1B	Mx	-.004	7
82	M1	X	35.728	8.5
83	M1	Z	61.883	8.5
84	M1	Mx	.071	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	138.292	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	138.292	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	119.921	1.5
9	MP1B	Mx	-.03	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	119.921	4.5
12	MP1B	Mx	-.03	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	64.807	1.5
15	MP1C	Mx	.032	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP1C	X	0	4.5
17	MP1C	Z	64.807	4.5
18	MP1C	Mx	.032	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	44.181	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	44.181	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	36.94	1.5
27	MP2B	Mx	-.009	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	36.94	3.5
30	MP2B	Mx	-.009	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	15.216	1.5
33	MP2C	Mx	.008	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	15.216	3.5
36	MP2C	Mx	.008	3.5
37	MP1A	X	0	5
38	MP1A	Z	34.939	5
39	MP1A	Mx	-.035	5
40	MP1B	X	0	5
41	MP1B	Z	30.995	5
42	MP1B	Mx	.037	5
43	MP1C	X	0	5
44	MP1C	Z	19.16	5
45	MP1C	Mx	-.013	5
46	MP1A	X	0	5
47	MP1A	Z	34.939	5
48	MP1A	Mx	.035	5
49	MP1B	X	0	5
50	MP1B	Z	32.065	5
51	MP1B	Mx	-.017	5
52	MP1C	X	0	5
53	MP1C	Z	23.443	5
54	MP1C	Mx	-.016	5
55	M1	X	0	7
56	M1	Z	71.457	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	10.82	6
60	MP1A	Mx	-.004	6
61	MP1A	X	0	7
62	MP1A	Z	10.82	7
63	MP1A	Mx	-.004	7
64	MP1B	X	0	6
65	MP1B	Z	10.828	6
66	MP1B	Mx	.009	6
67	MP1B	X	0	7
68	MP1B	Z	10.828	7
69	MP1B	Mx	.009	7
70	MP1A	X	0	6
71	MP1A	Z	10.82	6
72	MP1A	Mx	.004	6
73	MP1A	X	0	7
74	MP1A	Z	10.82	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1A	Mx	.004	7
76	MP1B	X	0	6
77	MP1B	Z	10.828	6
78	MP1B	Mx	.002	6
79	MP1B	X	0	7
80	MP1B	Z	10.828	7
81	MP1B	Mx	.002	7
82	M1	X	0	8.5
83	M1	Z	67.174	8.5
84	M1	Mx	.058	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-59.96	1.5
2	MP1A	Z	103.855	1.5
3	MP1A	Mx	.03	1.5
4	MP1A	X	-59.96	4.5
5	MP1A	Z	103.855	4.5
6	MP1A	Mx	.03	4.5
7	MP1B	X	-41.589	1.5
8	MP1B	Z	72.034	1.5
9	MP1B	Mx	-.036	1.5
10	MP1B	X	-41.589	4.5
11	MP1B	Z	72.034	4.5
12	MP1B	Mx	-.036	4.5
13	MP1C	X	-41.589	1.5
14	MP1C	Z	72.034	1.5
15	MP1C	Mx	.036	1.5
16	MP1C	X	-41.589	4.5
17	MP1C	Z	72.034	4.5
18	MP1C	Mx	.036	4.5
19	MP2A	X	-18.47	1.5
20	MP2A	Z	31.991	1.5
21	MP2A	Mx	.009	1.5
22	MP2A	X	-18.47	3.5
23	MP2A	Z	31.991	3.5
24	MP2A	Mx	.009	3.5
25	MP2B	X	-11.229	1.5
26	MP2B	Z	19.448	1.5
27	MP2B	Mx	-.01	1.5
28	MP2B	X	-11.229	3.5
29	MP2B	Z	19.448	3.5
30	MP2B	Mx	-.01	3.5
31	MP2C	X	-11.229	1.5
32	MP2C	Z	19.448	1.5
33	MP2C	Mx	.01	1.5
34	MP2C	X	-11.229	3.5
35	MP2C	Z	19.448	3.5
36	MP2C	Mx	.01	3.5
37	MP1A	X	-15.497	5
38	MP1A	Z	26.842	5
39	MP1A	Mx	-.037	5
40	MP1B	X	-11.553	5
41	MP1B	Z	20.01	5
42	MP1B	Mx	.025	5
43	MP1C	X	-11.553	5
44	MP1C	Z	20.01	5
45	MP1C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1A	X	-16.033	5
47	MP1A	Z	27.769	5
48	MP1A	Mx	.017	5
49	MP1B	X	-13.159	5
50	MP1B	Z	22.791	5
51	MP1B	Mx	.002	5
52	MP1C	X	-13.159	5
53	MP1C	Z	22.791	5
54	MP1C	Mx	-.028	5
55	M1	X	-33.587	7
56	M1	Z	58.174	7
57	M1	Mx	-.034	7
58	MP1A	X	-5.414	6
59	MP1A	Z	9.377	6
60	MP1A	Mx	-.009	6
61	MP1A	X	-5.414	7
62	MP1A	Z	9.377	7
63	MP1A	Mx	-.009	7
64	MP1B	X	-5.422	6
65	MP1B	Z	9.391	6
66	MP1B	Mx	.011	6
67	MP1B	X	-5.422	7
68	MP1B	Z	9.391	7
69	MP1B	Mx	.011	7
70	MP1A	X	-5.414	6
71	MP1A	Z	9.377	6
72	MP1A	Mx	-.002	6
73	MP1A	X	-5.414	7
74	MP1A	Z	9.377	7
75	MP1A	Mx	-.002	7
76	MP1B	X	-5.422	6
77	MP1B	Z	9.391	6
78	MP1B	Mx	.008	6
79	MP1B	X	-5.422	7
80	MP1B	Z	9.391	7
81	MP1B	Mx	.008	7
82	M1	X	-29.304	8.5
83	M1	Z	50.756	8.5
84	M1	Mx	.029	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-72.034	1.5
2	MP1A	Z	41.589	1.5
3	MP1A	Mx	.036	1.5
4	MP1A	X	-72.034	4.5
5	MP1A	Z	41.589	4.5
6	MP1A	Mx	.036	4.5
7	MP1B	X	-56.124	1.5
8	MP1B	Z	32.403	1.5
9	MP1B	Mx	-.032	1.5
10	MP1B	X	-56.124	4.5
11	MP1B	Z	32.403	4.5
12	MP1B	Mx	-.032	4.5
13	MP1C	X	-103.855	1.5
14	MP1C	Z	59.96	1.5
15	MP1C	Mx	.03	1.5
16	MP1C	X	-103.855	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP1C	Z	59.96	4.5
18	MP1C	Mx	.03	4.5
19	MP2A	X	-19.448	1.5
20	MP2A	Z	11.229	1.5
21	MP2A	Mx	.01	1.5
22	MP2A	X	-19.448	3.5
23	MP2A	Z	11.229	3.5
24	MP2A	Mx	.01	3.5
25	MP2B	X	-13.177	1.5
26	MP2B	Z	7.608	1.5
27	MP2B	Mx	-.008	1.5
28	MP2B	X	-13.177	3.5
29	MP2B	Z	7.608	3.5
30	MP2B	Mx	-.008	3.5
31	MP2C	X	-31.991	1.5
32	MP2C	Z	18.47	1.5
33	MP2C	Mx	.009	1.5
34	MP2C	X	-31.991	3.5
35	MP2C	Z	18.47	3.5
36	MP2C	Mx	.009	3.5
37	MP1A	X	-20.01	5
38	MP1A	Z	11.553	5
39	MP1A	Mx	-.025	5
40	MP1B	X	-16.593	5
41	MP1B	Z	9.58	5
42	MP1B	Mx	.013	5
43	MP1C	X	-26.842	5
44	MP1C	Z	15.497	5
45	MP1C	Mx	.017	5
46	MP1A	X	-22.791	5
47	MP1A	Z	13.159	5
48	MP1A	Mx	-.002	5
49	MP1B	X	-20.302	5
50	MP1B	Z	11.722	5
51	MP1B	Mx	.016	5
52	MP1C	X	-27.769	5
53	MP1C	Z	16.033	5
54	MP1C	Mx	-.038	5
55	M1	X	-50.756	7
56	M1	Z	29.304	7
57	M1	Mx	-.051	7
58	MP1A	X	-9.391	6
59	MP1A	Z	5.422	6
60	MP1A	Mx	-.011	6
61	MP1A	X	-9.391	7
62	MP1A	Z	5.422	7
63	MP1A	Mx	-.011	7
64	MP1B	X	-9.398	6
65	MP1B	Z	5.426	6
66	MP1B	Mx	.011	6
67	MP1B	X	-9.398	7
68	MP1B	Z	5.426	7
69	MP1B	Mx	.011	7
70	MP1A	X	-9.391	6
71	MP1A	Z	5.422	6
72	MP1A	Mx	-.008	6
73	MP1A	X	-9.391	7
74	MP1A	Z	5.422	7
75	MP1A	Mx	-.008	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1B	X	-9.398	6
77	MP1B	Z	5.426	6
78	MP1B	Mx	.011	6
79	MP1B	X	-9.398	7
80	MP1B	Z	5.426	7
81	MP1B	Mx	.011	7
82	M1	X	-47.047	8.5
83	M1	Z	27.163	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-64.807	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.032	1.5
4	MP1A	X	-64.807	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	.032	4.5
7	MP1B	X	-83.178	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.036	1.5
10	MP1B	X	-83.178	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	-.036	4.5
13	MP1C	X	-138.292	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	-138.292	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	-15.216	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.008	1.5
22	MP2A	X	-15.216	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	.008	3.5
25	MP2B	X	-22.457	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.01	1.5
28	MP2B	X	-22.457	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	-.01	3.5
31	MP2C	X	-44.181	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	-44.181	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	-19.16	5
38	MP1A	Z	0	5
39	MP1A	Mx	-.013	5
40	MP1B	X	-23.105	5
41	MP1B	Z	0	5
42	MP1B	Mx	.002	5
43	MP1C	X	-34.939	5
44	MP1C	Z	0	5
45	MP1C	Mx	.035	5
46	MP1A	X	-23.443	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1A	Z	0	5
48	MP1A	Mx	-.016	5
49	MP1B	X	-26.317	5
50	MP1B	Z	0	5
51	MP1B	Mx	.028	5
52	MP1C	X	-34.939	5
53	MP1C	Z	0	5
54	MP1C	Mx	-.035	5
55	M1	X	-54.325	7
56	M1	Z	0	7
57	M1	Mx	-.054	7
58	MP1A	X	-10.852	6
59	MP1A	Z	0	6
60	MP1A	Mx	-.011	6
61	MP1A	X	-10.852	7
62	MP1A	Z	0	7
63	MP1A	Mx	-.011	7
64	MP1B	X	-10.844	6
65	MP1B	Z	0	6
66	MP1B	Mx	.008	6
67	MP1B	X	-10.844	7
68	MP1B	Z	0	7
69	MP1B	Mx	.008	7
70	MP1A	X	-10.852	6
71	MP1A	Z	0	6
72	MP1A	Mx	-.011	6
73	MP1A	X	-10.852	7
74	MP1A	Z	0	7
75	MP1A	Mx	-.011	7
76	MP1B	X	-10.844	6
77	MP1B	Z	0	6
78	MP1B	Mx	.011	6
79	MP1B	X	-10.844	7
80	MP1B	Z	0	7
81	MP1B	Mx	.011	7
82	M1	X	-58.608	8.5
83	M1	Z	0	8.5
84	M1	Mx	-.029	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-72.034	1.5
2	MP1A	Z	-41.589	1.5
3	MP1A	Mx	.036	1.5
4	MP1A	X	-72.034	4.5
5	MP1A	Z	-41.589	4.5
6	MP1A	Mx	.036	4.5
7	MP1B	X	-103.855	1.5
8	MP1B	Z	-59.96	1.5
9	MP1B	Mx	-.03	1.5
10	MP1B	X	-103.855	4.5
11	MP1B	Z	-59.96	4.5
12	MP1B	Mx	-.03	4.5
13	MP1C	X	-103.855	1.5
14	MP1C	Z	-59.96	1.5
15	MP1C	Mx	-.03	1.5
16	MP1C	X	-103.855	4.5
17	MP1C	Z	-59.96	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP1C	Mx	-.03	4.5
19	MP2A	X	-19.448	1.5
20	MP2A	Z	-11.229	1.5
21	MP2A	Mx	.01	1.5
22	MP2A	X	-19.448	3.5
23	MP2A	Z	-11.229	3.5
24	MP2A	Mx	.01	3.5
25	MP2B	X	-31.991	1.5
26	MP2B	Z	-18.47	1.5
27	MP2B	Mx	-.009	1.5
28	MP2B	X	-31.991	3.5
29	MP2B	Z	-18.47	3.5
30	MP2B	Mx	-.009	3.5
31	MP2C	X	-31.991	1.5
32	MP2C	Z	-18.47	1.5
33	MP2C	Mx	-.009	1.5
34	MP2C	X	-31.991	3.5
35	MP2C	Z	-18.47	3.5
36	MP2C	Mx	-.009	3.5
37	MP1A	X	-20.01	5
38	MP1A	Z	-11.553	5
39	MP1A	Mx	-.002	5
40	MP1B	X	-26.842	5
41	MP1B	Z	-15.497	5
42	MP1B	Mx	-.017	5
43	MP1C	X	-26.842	5
44	MP1C	Z	-15.497	5
45	MP1C	Mx	.037	5
46	MP1A	X	-22.791	5
47	MP1A	Z	-13.159	5
48	MP1A	Mx	-.028	5
49	MP1B	X	-27.769	5
50	MP1B	Z	-16.033	5
51	MP1B	Mx	.038	5
52	MP1C	X	-27.769	5
53	MP1C	Z	-16.033	5
54	MP1C	Mx	-.017	5
55	M1	X	-50.756	7
56	M1	Z	-29.304	7
57	M1	Mx	-.051	7
58	MP1A	X	-9.391	6
59	MP1A	Z	-5.422	6
60	MP1A	Mx	-.008	6
61	MP1A	X	-9.391	7
62	MP1A	Z	-5.422	7
63	MP1A	Mx	-.008	7
64	MP1B	X	-9.377	6
65	MP1B	Z	-5.414	6
66	MP1B	Mx	.002	6
67	MP1B	X	-9.377	7
68	MP1B	Z	-5.414	7
69	MP1B	Mx	.002	7
70	MP1A	X	-9.391	6
71	MP1A	Z	-5.422	6
72	MP1A	Mx	-.011	6
73	MP1A	X	-9.391	7
74	MP1A	Z	-5.422	7
75	MP1A	Mx	-.011	7
76	MP1B	X	-9.377	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP1B	Z	-5.414	6
78	MP1B	Mx	.009	6
79	MP1B	X	-9.377	7
80	MP1B	Z	-5.414	7
81	MP1B	Mx	.009	7
82	M1	X	-58.174	8.5
83	M1	Z	-33.587	8.5
84	M1	Mx	-.058	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-59.96	1.5
2	MP1A	Z	-103.855	1.5
3	MP1A	Mx	.03	1.5
4	MP1A	X	-59.96	4.5
5	MP1A	Z	-103.855	4.5
6	MP1A	Mx	.03	4.5
7	MP1B	X	-69.146	1.5
8	MP1B	Z	-119.765	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	-69.146	4.5
11	MP1B	Z	-119.765	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	-41.589	1.5
14	MP1C	Z	-72.034	1.5
15	MP1C	Mx	-.036	1.5
16	MP1C	X	-41.589	4.5
17	MP1C	Z	-72.034	4.5
18	MP1C	Mx	-.036	4.5
19	MP2A	X	-18.47	1.5
20	MP2A	Z	-31.991	1.5
21	MP2A	Mx	.009	1.5
22	MP2A	X	-18.47	3.5
23	MP2A	Z	-31.991	3.5
24	MP2A	Mx	.009	3.5
25	MP2B	X	-22.091	1.5
26	MP2B	Z	-38.262	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	-22.091	3.5
29	MP2B	Z	-38.262	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	-11.229	1.5
32	MP2C	Z	-19.448	1.5
33	MP2C	Mx	-.01	1.5
34	MP2C	X	-11.229	3.5
35	MP2C	Z	-19.448	3.5
36	MP2C	Mx	-.01	3.5
37	MP1A	X	-15.497	5
38	MP1A	Z	-26.842	5
39	MP1A	Mx	.017	5
40	MP1B	X	-17.47	5
41	MP1B	Z	-30.258	5
42	MP1B	Mx	-.035	5
43	MP1C	X	-11.553	5
44	MP1C	Z	-20.01	5
45	MP1C	Mx	.025	5
46	MP1A	X	-16.033	5
47	MP1A	Z	-27.769	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP1A	Mx	-.038	5
49	MP1B	X	-17.47	5
50	MP1B	Z	-30.258	5
51	MP1B	Mx	.035	5
52	MP1C	X	-13.159	5
53	MP1C	Z	-22.791	5
54	MP1C	Mx	.002	5
55	M1	X	-33.587	7
56	M1	Z	-58.174	7
57	M1	Mx	-.034	7
58	MP1A	X	-5.414	6
59	MP1A	Z	-9.377	6
60	MP1A	Mx	-.002	6
61	MP1A	X	-5.414	7
62	MP1A	Z	-9.377	7
63	MP1A	Mx	-.002	7
64	MP1B	X	-5.41	6
65	MP1B	Z	-9.37	6
66	MP1B	Mx	-.004	6
67	MP1B	X	-5.41	7
68	MP1B	Z	-9.37	7
69	MP1B	Mx	-.004	7
70	MP1A	X	-5.414	6
71	MP1A	Z	-9.377	6
72	MP1A	Mx	-.009	6
73	MP1A	X	-5.414	7
74	MP1A	Z	-9.377	7
75	MP1A	Mx	-.009	7
76	MP1B	X	-5.41	6
77	MP1B	Z	-9.37	6
78	MP1B	Mx	.004	6
79	MP1B	X	-5.41	7
80	MP1B	Z	-9.37	7
81	MP1B	Mx	.004	7
82	M1	X	-35.728	8.5
83	M1	Z	-61.883	8.5
84	M1	Mx	-.071	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	0	5
38	MP1A	Z	0	5
39	MP1A	Mx	0	5
40	MP1B	X	0	5
41	MP1B	Z	0	5
42	MP1B	Mx	0	5
43	MP1C	X	0	5
44	MP1C	Z	0	5
45	MP1C	Mx	0	5
46	MP1A	X	0	5
47	MP1A	Z	0	5
48	MP1A	Mx	0	5
49	MP1B	X	0	5
50	MP1B	Z	0	5
51	MP1B	Mx	0	5
52	MP1C	X	0	5
53	MP1C	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP1C	Mx	0	5
55	M1	X	0	7
56	M1	Z	0	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	0	6
60	MP1A	Mx	0	6
61	MP1A	X	0	7
62	MP1A	Z	0	7
63	MP1A	Mx	0	7
64	MP1B	X	0	6
65	MP1B	Z	0	6
66	MP1B	Mx	0	6
67	MP1B	X	0	7
68	MP1B	Z	0	7
69	MP1B	Mx	0	7
70	MP1A	X	0	6
71	MP1A	Z	0	6
72	MP1A	Mx	0	6
73	MP1A	X	0	7
74	MP1A	Z	0	7
75	MP1A	Mx	0	7
76	MP1B	X	0	6
77	MP1B	Z	0	6
78	MP1B	Mx	0	6
79	MP1B	X	0	7
80	MP1B	Z	0	7
81	MP1B	Mx	0	7
82	M1	X	0	8.5
83	M1	Z	0	8.5
84	M1	Mx	0	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	-8.643	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	-8.643	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	-7.495	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	-7.495	4.5
12	MP1B	Mx	.002	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	-4.05	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	-4.05	4.5
18	MP1C	Mx	-.002	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	-2.761	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	-2.761	3.5
24	MP2A	Mx	0	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	0	1.5
26	MP2B	Z	-2.309	1.5
27	MP2B	Mx	.000577	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	-2.309	3.5
30	MP2B	Mx	.000577	3.5
31	MP2C	X	0	1.5
32	MP2C	Z	-.951	1.5
33	MP2C	Mx	-.000475	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	-.951	3.5
36	MP2C	Mx	-.000475	3.5
37	MP1A	X	0	5
38	MP1A	Z	-2.184	5
39	MP1A	Mx	.002	5
40	MP1B	X	0	5
41	MP1B	Z	-1.937	5
42	MP1B	Mx	-.002	5
43	MP1C	X	0	5
44	MP1C	Z	-1.198	5
45	MP1C	Mx	.000799	5
46	MP1A	X	0	5
47	MP1A	Z	-2.184	5
48	MP1A	Mx	-.002	5
49	MP1B	X	0	5
50	MP1B	Z	-2.004	5
51	MP1B	Mx	.001	5
52	MP1C	X	0	5
53	MP1C	Z	-1.465	5
54	MP1C	Mx	.000977	5
55	M1	X	0	7
56	M1	Z	-4.466	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	-.676	6
60	MP1A	Mx	.000225	6
61	MP1A	X	0	7
62	MP1A	Z	-.676	7
63	MP1A	Mx	.000225	7
64	MP1B	X	0	6
65	MP1B	Z	-.677	6
66	MP1B	Mx	-.000534	6
67	MP1B	X	0	7
68	MP1B	Z	-.677	7
69	MP1B	Mx	-.000534	7
70	MP1A	X	0	6
71	MP1A	Z	-.676	6
72	MP1A	Mx	-.000225	6
73	MP1A	X	0	7
74	MP1A	Z	-.676	7
75	MP1A	Mx	-.000225	7
76	MP1B	X	0	6
77	MP1B	Z	-.677	6
78	MP1B	Mx	-.000143	6
79	MP1B	X	0	7
80	MP1B	Z	-.677	7
81	MP1B	Mx	-.000143	7
82	M1	X	0	8.5
83	M1	Z	-4.198	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	M1	Mx	-.004	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.748	1.5
2	MP1A	Z	-6.491	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	3.748	4.5
5	MP1A	Z	-6.491	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	2.599	1.5
8	MP1B	Z	-4.502	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	2.599	4.5
11	MP1B	Z	-4.502	4.5
12	MP1B	Mx	.002	4.5
13	MP1C	X	2.599	1.5
14	MP1C	Z	-4.502	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	2.599	4.5
17	MP1C	Z	-4.502	4.5
18	MP1C	Mx	-.002	4.5
19	MP2A	X	1.154	1.5
20	MP2A	Z	-1.999	1.5
21	MP2A	Mx	-.000577	1.5
22	MP2A	X	1.154	3.5
23	MP2A	Z	-1.999	3.5
24	MP2A	Mx	-.000577	3.5
25	MP2B	X	.702	1.5
26	MP2B	Z	-1.216	1.5
27	MP2B	Mx	.000608	1.5
28	MP2B	X	.702	3.5
29	MP2B	Z	-1.216	3.5
30	MP2B	Mx	.000608	3.5
31	MP2C	X	.702	1.5
32	MP2C	Z	-1.216	1.5
33	MP2C	Mx	-.000608	1.5
34	MP2C	X	.702	3.5
35	MP2C	Z	-1.216	3.5
36	MP2C	Mx	-.000608	3.5
37	MP1A	X	.969	5
38	MP1A	Z	-1.678	5
39	MP1A	Mx	.002	5
40	MP1B	X	.722	5
41	MP1B	Z	-1.251	5
42	MP1B	Mx	-.002	5
43	MP1C	X	.722	5
44	MP1C	Z	-1.251	5
45	MP1C	Mx	.000112	5
46	MP1A	X	1.002	5
47	MP1A	Z	-1.736	5
48	MP1A	Mx	-.001	5
49	MP1B	X	.822	5
50	MP1B	Z	-1.424	5
51	MP1B	Mx	-.000127	5
52	MP1C	X	.822	5
53	MP1C	Z	-1.424	5
54	MP1C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	M1	X	2.099	7
56	M1	Z	-3.636	7
57	M1	Mx	.002	7
58	MP1A	X	.338	6
59	MP1A	Z	-.586	6
60	MP1A	Mx	.000533	6
61	MP1A	X	.338	7
62	MP1A	Z	-.586	7
63	MP1A	Mx	.000533	7
64	MP1B	X	.339	6
65	MP1B	Z	-.587	6
66	MP1B	Mx	-.0007	6
67	MP1B	X	.339	7
68	MP1B	Z	-.587	7
69	MP1B	Mx	-.0007	7
70	MP1A	X	.338	6
71	MP1A	Z	-.586	6
72	MP1A	Mx	.000143	6
73	MP1A	X	.338	7
74	MP1A	Z	-.586	7
75	MP1A	Mx	.000143	7
76	MP1B	X	.339	6
77	MP1B	Z	-.587	6
78	MP1B	Mx	-.000474	6
79	MP1B	X	.339	7
80	MP1B	Z	-.587	7
81	MP1B	Mx	-.000474	7
82	M1	X	1.831	8.5
83	M1	Z	-3.172	8.5
84	M1	Mx	-.002	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.502	1.5
2	MP1A	Z	-2.599	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	4.502	4.5
5	MP1A	Z	-2.599	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	3.508	1.5
8	MP1B	Z	-2.025	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	3.508	4.5
11	MP1B	Z	-2.025	4.5
12	MP1B	Mx	.002	4.5
13	MP1C	X	6.491	1.5
14	MP1C	Z	-3.748	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	6.491	4.5
17	MP1C	Z	-3.748	4.5
18	MP1C	Mx	-.002	4.5
19	MP2A	X	1.216	1.5
20	MP2A	Z	-.702	1.5
21	MP2A	Mx	-.000608	1.5
22	MP2A	X	1.216	3.5
23	MP2A	Z	-.702	3.5
24	MP2A	Mx	-.000608	3.5
25	MP2B	X	.824	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP2B	Z	-.475	1.5
27	MP2B	Mx	.000476	1.5
28	MP2B	X	.824	3.5
29	MP2B	Z	-.475	3.5
30	MP2B	Mx	.000476	3.5
31	MP2C	X	1.999	1.5
32	MP2C	Z	-1.154	1.5
33	MP2C	Mx	-.000577	1.5
34	MP2C	X	1.999	3.5
35	MP2C	Z	-1.154	3.5
36	MP2C	Mx	-.000577	3.5
37	MP1A	X	1.251	5
38	MP1A	Z	-.722	5
39	MP1A	Mx	.002	5
40	MP1B	X	1.037	5
41	MP1B	Z	-.599	5
42	MP1B	Mx	-.000799	5
43	MP1C	X	1.678	5
44	MP1C	Z	-.969	5
45	MP1C	Mx	-.001	5
46	MP1A	X	1.424	5
47	MP1A	Z	-.822	5
48	MP1A	Mx	.000127	5
49	MP1B	X	1.269	5
50	MP1B	Z	-.733	5
51	MP1B	Mx	-.000977	5
52	MP1C	X	1.736	5
53	MP1C	Z	-1.002	5
54	MP1C	Mx	.002	5
55	M1	X	3.172	7
56	M1	Z	-1.831	7
57	M1	Mx	.003	7
58	MP1A	X	.587	6
59	MP1A	Z	-.339	6
60	MP1A	Mx	.0007	6
61	MP1A	X	.587	7
62	MP1A	Z	-.339	7
63	MP1A	Mx	.0007	7
64	MP1B	X	.587	6
65	MP1B	Z	-.339	6
66	MP1B	Mx	-.000678	6
67	MP1B	X	.587	7
68	MP1B	Z	-.339	7
69	MP1B	Mx	-.000678	7
70	MP1A	X	.587	6
71	MP1A	Z	-.339	6
72	MP1A	Mx	.000474	6
73	MP1A	X	.587	7
74	MP1A	Z	-.339	7
75	MP1A	Mx	.000474	7
76	MP1B	X	.587	6
77	MP1B	Z	-.339	6
78	MP1B	Mx	-.000678	6
79	MP1B	X	.587	7
80	MP1B	Z	-.339	7
81	MP1B	Mx	-.000678	7
82	M1	X	2.94	8.5
83	M1	Z	-1.698	8.5
84	M1	Mx	-1e-6	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.05	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	4.05	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	5.199	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	5.199	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	.002	4.5
13	MP1C	X	8.643	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	8.643	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	.951	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.000475	1.5
22	MP2A	X	.951	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	-.000475	3.5
25	MP2B	X	1.404	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	.000608	1.5
28	MP2B	X	1.404	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	.000608	3.5
31	MP2C	X	2.761	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	2.761	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	1.198	5
38	MP1A	Z	0	5
39	MP1A	Mx	.000799	5
40	MP1B	X	1.444	5
41	MP1B	Z	0	5
42	MP1B	Mx	-.000112	5
43	MP1C	X	2.184	5
44	MP1C	Z	0	5
45	MP1C	Mx	-.002	5
46	MP1A	X	1.465	5
47	MP1A	Z	0	5
48	MP1A	Mx	.000977	5
49	MP1B	X	1.645	5
50	MP1B	Z	0	5
51	MP1B	Mx	-.002	5
52	MP1C	X	2.184	5
53	MP1C	Z	0	5
54	MP1C	Mx	.002	5
55	M1	X	3.395	7
56	M1	Z	0	7
57	M1	Mx	.003	7
58	MP1A	X	.678	6
59	MP1A	Z	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.000678	6
61	MP1A	X	.678	7
62	MP1A	Z	0	7
63	MP1A	Mx	.000678	7
64	MP1B	X	.678	6
65	MP1B	Z	0	6
66	MP1B	Mx	-.000474	6
67	MP1B	X	.678	7
68	MP1B	Z	0	7
69	MP1B	Mx	-.000474	7
70	MP1A	X	.678	6
71	MP1A	Z	0	6
72	MP1A	Mx	.000678	6
73	MP1A	X	.678	7
74	MP1A	Z	0	7
75	MP1A	Mx	.000678	7
76	MP1B	X	.678	6
77	MP1B	Z	0	6
78	MP1B	Mx	-.0007	6
79	MP1B	X	.678	7
80	MP1B	Z	0	7
81	MP1B	Mx	-.0007	7
82	M1	X	3.663	8.5
83	M1	Z	0	8.5
84	M1	Mx	.002	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.502	1.5
2	MP1A	Z	2.599	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	4.502	4.5
5	MP1A	Z	2.599	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	6.491	1.5
8	MP1B	Z	3.748	1.5
9	MP1B	Mx	.002	1.5
10	MP1B	X	6.491	4.5
11	MP1B	Z	3.748	4.5
12	MP1B	Mx	.002	4.5
13	MP1C	X	6.491	1.5
14	MP1C	Z	3.748	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	6.491	4.5
17	MP1C	Z	3.748	4.5
18	MP1C	Mx	.002	4.5
19	MP2A	X	1.216	1.5
20	MP2A	Z	.702	1.5
21	MP2A	Mx	-.000608	1.5
22	MP2A	X	1.216	3.5
23	MP2A	Z	.702	3.5
24	MP2A	Mx	-.000608	3.5
25	MP2B	X	1.999	1.5
26	MP2B	Z	1.154	1.5
27	MP2B	Mx	.000577	1.5
28	MP2B	X	1.999	3.5
29	MP2B	Z	1.154	3.5
30	MP2B	Mx	.000577	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	1.999	1.5
32	MP2C	Z	1.154	1.5
33	MP2C	Mx	.000577	1.5
34	MP2C	X	1.999	3.5
35	MP2C	Z	1.154	3.5
36	MP2C	Mx	.000577	3.5
37	MP1A	X	1.251	5
38	MP1A	Z	.722	5
39	MP1A	Mx	.000112	5
40	MP1B	X	1.678	5
41	MP1B	Z	.969	5
42	MP1B	Mx	.001	5
43	MP1C	X	1.678	5
44	MP1C	Z	.969	5
45	MP1C	Mx	-.002	5
46	MP1A	X	1.424	5
47	MP1A	Z	.822	5
48	MP1A	Mx	.002	5
49	MP1B	X	1.736	5
50	MP1B	Z	1.002	5
51	MP1B	Mx	-.002	5
52	MP1C	X	1.736	5
53	MP1C	Z	1.002	5
54	MP1C	Mx	.001	5
55	M1	X	3.172	7
56	M1	Z	1.831	7
57	M1	Mx	.003	7
58	MP1A	X	.587	6
59	MP1A	Z	.339	6
60	MP1A	Mx	.000474	6
61	MP1A	X	.587	7
62	MP1A	Z	.339	7
63	MP1A	Mx	.000474	7
64	MP1B	X	.586	6
65	MP1B	Z	.338	6
66	MP1B	Mx	-.000143	6
67	MP1B	X	.586	7
68	MP1B	Z	.338	7
69	MP1B	Mx	-.000143	7
70	MP1A	X	.587	6
71	MP1A	Z	.339	6
72	MP1A	Mx	.0007	6
73	MP1A	X	.587	7
74	MP1A	Z	.339	7
75	MP1A	Mx	.0007	7
76	MP1B	X	.586	6
77	MP1B	Z	.338	6
78	MP1B	Mx	-.000534	6
79	MP1B	X	.586	7
80	MP1B	Z	.338	7
81	MP1B	Mx	-.000534	7
82	M1	X	3.636	8.5
83	M1	Z	2.099	8.5
84	M1	Mx	.004	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.748	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP1A	Z	6.491	1.5
3	MP1A	Mx	-.002	1.5
4	MP1A	X	3.748	4.5
5	MP1A	Z	6.491	4.5
6	MP1A	Mx	-.002	4.5
7	MP1B	X	4.322	1.5
8	MP1B	Z	7.485	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	4.322	4.5
11	MP1B	Z	7.485	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	2.599	1.5
14	MP1C	Z	4.502	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	2.599	4.5
17	MP1C	Z	4.502	4.5
18	MP1C	Mx	.002	4.5
19	MP2A	X	1.154	1.5
20	MP2A	Z	1.999	1.5
21	MP2A	Mx	-.000577	1.5
22	MP2A	X	1.154	3.5
23	MP2A	Z	1.999	3.5
24	MP2A	Mx	-.000577	3.5
25	MP2B	X	1.381	1.5
26	MP2B	Z	2.391	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	1.381	3.5
29	MP2B	Z	2.391	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	.702	1.5
32	MP2C	Z	1.216	1.5
33	MP2C	Mx	.000608	1.5
34	MP2C	X	.702	3.5
35	MP2C	Z	1.216	3.5
36	MP2C	Mx	.000608	3.5
37	MP1A	X	.969	5
38	MP1A	Z	1.678	5
39	MP1A	Mx	-.001	5
40	MP1B	X	1.092	5
41	MP1B	Z	1.891	5
42	MP1B	Mx	.002	5
43	MP1C	X	.722	5
44	MP1C	Z	1.251	5
45	MP1C	Mx	-.002	5
46	MP1A	X	1.002	5
47	MP1A	Z	1.736	5
48	MP1A	Mx	.002	5
49	MP1B	X	1.092	5
50	MP1B	Z	1.891	5
51	MP1B	Mx	-.002	5
52	MP1C	X	.822	5
53	MP1C	Z	1.424	5
54	MP1C	Mx	-.000127	5
55	M1	X	2.099	7
56	M1	Z	3.636	7
57	M1	Mx	.002	7
58	MP1A	X	.338	6
59	MP1A	Z	.586	6
60	MP1A	Mx	.000143	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1A	X	.338	7
62	MP1A	Z	.586	7
63	MP1A	Mx	.000143	7
64	MP1B	X	.338	6
65	MP1B	Z	.586	6
66	MP1B	Mx	.000226	6
67	MP1B	X	.338	7
68	MP1B	Z	.586	7
69	MP1B	Mx	.000226	7
70	MP1A	X	.338	6
71	MP1A	Z	.586	6
72	MP1A	Mx	.000533	6
73	MP1A	X	.338	7
74	MP1A	Z	.586	7
75	MP1A	Mx	.000533	7
76	MP1B	X	.338	6
77	MP1B	Z	.586	6
78	MP1B	Mx	-.000225	6
79	MP1B	X	.338	7
80	MP1B	Z	.586	7
81	MP1B	Mx	-.000225	7
82	M1	X	2.233	8.5
83	M1	Z	3.868	8.5
84	M1	Mx	.004	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1.5
2	MP1A	Z	8.643	1.5
3	MP1A	Mx	0	1.5
4	MP1A	X	0	4.5
5	MP1A	Z	8.643	4.5
6	MP1A	Mx	0	4.5
7	MP1B	X	0	1.5
8	MP1B	Z	7.495	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	0	4.5
11	MP1B	Z	7.495	4.5
12	MP1B	Mx	-.002	4.5
13	MP1C	X	0	1.5
14	MP1C	Z	4.05	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	0	4.5
17	MP1C	Z	4.05	4.5
18	MP1C	Mx	.002	4.5
19	MP2A	X	0	1.5
20	MP2A	Z	2.761	1.5
21	MP2A	Mx	0	1.5
22	MP2A	X	0	3.5
23	MP2A	Z	2.761	3.5
24	MP2A	Mx	0	3.5
25	MP2B	X	0	1.5
26	MP2B	Z	2.309	1.5
27	MP2B	Mx	-.000577	1.5
28	MP2B	X	0	3.5
29	MP2B	Z	2.309	3.5
30	MP2B	Mx	-.000577	3.5
31	MP2C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	.951	1.5
33	MP2C	Mx	.000475	1.5
34	MP2C	X	0	3.5
35	MP2C	Z	.951	3.5
36	MP2C	Mx	.000475	3.5
37	MP1A	X	0	5
38	MP1A	Z	2.184	5
39	MP1A	Mx	-.002	5
40	MP1B	X	0	5
41	MP1B	Z	1.937	5
42	MP1B	Mx	.002	5
43	MP1C	X	0	5
44	MP1C	Z	1.198	5
45	MP1C	Mx	-.000799	5
46	MP1A	X	0	5
47	MP1A	Z	2.184	5
48	MP1A	Mx	.002	5
49	MP1B	X	0	5
50	MP1B	Z	2.004	5
51	MP1B	Mx	-.001	5
52	MP1C	X	0	5
53	MP1C	Z	1.465	5
54	MP1C	Mx	-.000977	5
55	M1	X	0	7
56	M1	Z	4.466	7
57	M1	Mx	0	7
58	MP1A	X	0	6
59	MP1A	Z	.676	6
60	MP1A	Mx	-.000225	6
61	MP1A	X	0	7
62	MP1A	Z	.676	7
63	MP1A	Mx	-.000225	7
64	MP1B	X	0	6
65	MP1B	Z	.677	6
66	MP1B	Mx	.000534	6
67	MP1B	X	0	7
68	MP1B	Z	.677	7
69	MP1B	Mx	.000534	7
70	MP1A	X	0	6
71	MP1A	Z	.676	6
72	MP1A	Mx	.000225	6
73	MP1A	X	0	7
74	MP1A	Z	.676	7
75	MP1A	Mx	.000225	7
76	MP1B	X	0	6
77	MP1B	Z	.677	6
78	MP1B	Mx	.000143	6
79	MP1B	X	0	7
80	MP1B	Z	.677	7
81	MP1B	Mx	.000143	7
82	M1	X	0	8.5
83	M1	Z	4.198	8.5
84	M1	Mx	.004	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.748	1.5
2	MP1A	Z	6.491	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP1A	Mx	.002	1.5
4	MP1A	X	-3.748	4.5
5	MP1A	Z	6.491	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	-2.599	1.5
8	MP1B	Z	4.502	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	-2.599	4.5
11	MP1B	Z	4.502	4.5
12	MP1B	Mx	-.002	4.5
13	MP1C	X	-2.599	1.5
14	MP1C	Z	4.502	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	-2.599	4.5
17	MP1C	Z	4.502	4.5
18	MP1C	Mx	.002	4.5
19	MP2A	X	-1.154	1.5
20	MP2A	Z	1.999	1.5
21	MP2A	Mx	.000577	1.5
22	MP2A	X	-1.154	3.5
23	MP2A	Z	1.999	3.5
24	MP2A	Mx	.000577	3.5
25	MP2B	X	-.702	1.5
26	MP2B	Z	1.216	1.5
27	MP2B	Mx	-.000608	1.5
28	MP2B	X	-.702	3.5
29	MP2B	Z	1.216	3.5
30	MP2B	Mx	-.000608	3.5
31	MP2C	X	-.702	1.5
32	MP2C	Z	1.216	1.5
33	MP2C	Mx	.000608	1.5
34	MP2C	X	-.702	3.5
35	MP2C	Z	1.216	3.5
36	MP2C	Mx	.000608	3.5
37	MP1A	X	-.969	5
38	MP1A	Z	1.678	5
39	MP1A	Mx	-.002	5
40	MP1B	X	-.722	5
41	MP1B	Z	1.251	5
42	MP1B	Mx	.002	5
43	MP1C	X	-.722	5
44	MP1C	Z	1.251	5
45	MP1C	Mx	-.000112	5
46	MP1A	X	-1.002	5
47	MP1A	Z	1.736	5
48	MP1A	Mx	.001	5
49	MP1B	X	-.822	5
50	MP1B	Z	1.424	5
51	MP1B	Mx	.000127	5
52	MP1C	X	-.822	5
53	MP1C	Z	1.424	5
54	MP1C	Mx	-.002	5
55	M1	X	-2.099	7
56	M1	Z	3.636	7
57	M1	Mx	-.002	7
58	MP1A	X	-.338	6
59	MP1A	Z	.586	6
60	MP1A	Mx	-.000533	6
61	MP1A	X	-.338	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP1A	Z	.586	7
63	MP1A	Mx	-.000533	7
64	MP1B	X	-.339	6
65	MP1B	Z	.587	6
66	MP1B	Mx	.0007	6
67	MP1B	X	-.339	7
68	MP1B	Z	.587	7
69	MP1B	Mx	.0007	7
70	MP1A	X	-.338	6
71	MP1A	Z	.586	6
72	MP1A	Mx	-.000143	6
73	MP1A	X	-.338	7
74	MP1A	Z	.586	7
75	MP1A	Mx	-.000143	7
76	MP1B	X	-.339	6
77	MP1B	Z	.587	6
78	MP1B	Mx	.000474	6
79	MP1B	X	-.339	7
80	MP1B	Z	.587	7
81	MP1B	Mx	.000474	7
82	M1	X	-1.831	8.5
83	M1	Z	3.172	8.5
84	M1	Mx	.002	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.502	1.5
2	MP1A	Z	2.599	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-4.502	4.5
5	MP1A	Z	2.599	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	-3.508	1.5
8	MP1B	Z	2.025	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	-3.508	4.5
11	MP1B	Z	2.025	4.5
12	MP1B	Mx	-.002	4.5
13	MP1C	X	-6.491	1.5
14	MP1C	Z	3.748	1.5
15	MP1C	Mx	.002	1.5
16	MP1C	X	-6.491	4.5
17	MP1C	Z	3.748	4.5
18	MP1C	Mx	.002	4.5
19	MP2A	X	-1.216	1.5
20	MP2A	Z	.702	1.5
21	MP2A	Mx	.000608	1.5
22	MP2A	X	-1.216	3.5
23	MP2A	Z	.702	3.5
24	MP2A	Mx	.000608	3.5
25	MP2B	X	-.824	1.5
26	MP2B	Z	.475	1.5
27	MP2B	Mx	-.000476	1.5
28	MP2B	X	-.824	3.5
29	MP2B	Z	.475	3.5
30	MP2B	Mx	-.000476	3.5
31	MP2C	X	-1.999	1.5
32	MP2C	Z	1.154	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP2C	Mx	.000577	1.5
34	MP2C	X	-1.999	3.5
35	MP2C	Z	1.154	3.5
36	MP2C	Mx	.000577	3.5
37	MP1A	X	-1.251	5
38	MP1A	Z	.722	5
39	MP1A	Mx	-.002	5
40	MP1B	X	-1.037	5
41	MP1B	Z	.599	5
42	MP1B	Mx	.000799	5
43	MP1C	X	-1.678	5
44	MP1C	Z	.969	5
45	MP1C	Mx	.001	5
46	MP1A	X	-1.424	5
47	MP1A	Z	.822	5
48	MP1A	Mx	-.000127	5
49	MP1B	X	-1.269	5
50	MP1B	Z	.733	5
51	MP1B	Mx	.000977	5
52	MP1C	X	-1.736	5
53	MP1C	Z	1.002	5
54	MP1C	Mx	-.002	5
55	M1	X	-3.172	7
56	M1	Z	1.831	7
57	M1	Mx	-.003	7
58	MP1A	X	-.587	6
59	MP1A	Z	.339	6
60	MP1A	Mx	-.0007	6
61	MP1A	X	-.587	7
62	MP1A	Z	.339	7
63	MP1A	Mx	-.0007	7
64	MP1B	X	-.587	6
65	MP1B	Z	.339	6
66	MP1B	Mx	.000678	6
67	MP1B	X	-.587	7
68	MP1B	Z	.339	7
69	MP1B	Mx	.000678	7
70	MP1A	X	-.587	6
71	MP1A	Z	.339	6
72	MP1A	Mx	-.000474	6
73	MP1A	X	-.587	7
74	MP1A	Z	.339	7
75	MP1A	Mx	-.000474	7
76	MP1B	X	-.587	6
77	MP1B	Z	.339	6
78	MP1B	Mx	.000678	6
79	MP1B	X	-.587	7
80	MP1B	Z	.339	7
81	MP1B	Mx	.000678	7
82	M1	X	-2.94	8.5
83	M1	Z	1.698	8.5
84	M1	Mx	1e-6	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.05	1.5
2	MP1A	Z	0	1.5
3	MP1A	Mx	.002	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-4.05	4.5
5	MP1A	Z	0	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	-5.199	1.5
8	MP1B	Z	0	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	-5.199	4.5
11	MP1B	Z	0	4.5
12	MP1B	Mx	-.002	4.5
13	MP1C	X	-8.643	1.5
14	MP1C	Z	0	1.5
15	MP1C	Mx	0	1.5
16	MP1C	X	-8.643	4.5
17	MP1C	Z	0	4.5
18	MP1C	Mx	0	4.5
19	MP2A	X	-.951	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.000475	1.5
22	MP2A	X	-.951	3.5
23	MP2A	Z	0	3.5
24	MP2A	Mx	.000475	3.5
25	MP2B	X	-1.404	1.5
26	MP2B	Z	0	1.5
27	MP2B	Mx	-.000608	1.5
28	MP2B	X	-1.404	3.5
29	MP2B	Z	0	3.5
30	MP2B	Mx	-.000608	3.5
31	MP2C	X	-2.761	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP2C	X	-2.761	3.5
35	MP2C	Z	0	3.5
36	MP2C	Mx	0	3.5
37	MP1A	X	-1.198	5
38	MP1A	Z	0	5
39	MP1A	Mx	-.000799	5
40	MP1B	X	-1.444	5
41	MP1B	Z	0	5
42	MP1B	Mx	.000112	5
43	MP1C	X	-2.184	5
44	MP1C	Z	0	5
45	MP1C	Mx	.002	5
46	MP1A	X	-1.465	5
47	MP1A	Z	0	5
48	MP1A	Mx	-.000977	5
49	MP1B	X	-1.645	5
50	MP1B	Z	0	5
51	MP1B	Mx	.002	5
52	MP1C	X	-2.184	5
53	MP1C	Z	0	5
54	MP1C	Mx	-.002	5
55	M1	X	-3.395	7
56	M1	Z	0	7
57	M1	Mx	-.003	7
58	MP1A	X	-.678	6
59	MP1A	Z	0	6
60	MP1A	Mx	-.000678	6
61	MP1A	X	-.678	7
62	MP1A	Z	0	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP1A	Mx	-.000678	7
64	MP1B	X	-.678	6
65	MP1B	Z	0	6
66	MP1B	Mx	.000474	6
67	MP1B	X	-.678	7
68	MP1B	Z	0	7
69	MP1B	Mx	.000474	7
70	MP1A	X	-.678	6
71	MP1A	Z	0	6
72	MP1A	Mx	-.000678	6
73	MP1A	X	-.678	7
74	MP1A	Z	0	7
75	MP1A	Mx	-.000678	7
76	MP1B	X	-.678	6
77	MP1B	Z	0	6
78	MP1B	Mx	.0007	6
79	MP1B	X	-.678	7
80	MP1B	Z	0	7
81	MP1B	Mx	.0007	7
82	M1	X	-3.663	8.5
83	M1	Z	0	8.5
84	M1	Mx	-.002	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.502	1.5
2	MP1A	Z	-2.599	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-4.502	4.5
5	MP1A	Z	-2.599	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	-6.491	1.5
8	MP1B	Z	-3.748	1.5
9	MP1B	Mx	-.002	1.5
10	MP1B	X	-6.491	4.5
11	MP1B	Z	-3.748	4.5
12	MP1B	Mx	-.002	4.5
13	MP1C	X	-6.491	1.5
14	MP1C	Z	-3.748	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-6.491	4.5
17	MP1C	Z	-3.748	4.5
18	MP1C	Mx	-.002	4.5
19	MP2A	X	-1.216	1.5
20	MP2A	Z	-.702	1.5
21	MP2A	Mx	.000608	1.5
22	MP2A	X	-1.216	3.5
23	MP2A	Z	-.702	3.5
24	MP2A	Mx	.000608	3.5
25	MP2B	X	-1.999	1.5
26	MP2B	Z	-1.154	1.5
27	MP2B	Mx	-.000577	1.5
28	MP2B	X	-1.999	3.5
29	MP2B	Z	-1.154	3.5
30	MP2B	Mx	-.000577	3.5
31	MP2C	X	-1.999	1.5
32	MP2C	Z	-1.154	1.5
33	MP2C	Mx	-.000577	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	X	-1.999	3.5
35	MP2C	Z	-1.154	3.5
36	MP2C	Mx	-.000577	3.5
37	MP1A	X	-1.251	5
38	MP1A	Z	-.722	5
39	MP1A	Mx	-.000112	5
40	MP1B	X	-1.678	5
41	MP1B	Z	-.969	5
42	MP1B	Mx	-.001	5
43	MP1C	X	-1.678	5
44	MP1C	Z	-.969	5
45	MP1C	Mx	.002	5
46	MP1A	X	-1.424	5
47	MP1A	Z	-.822	5
48	MP1A	Mx	-.002	5
49	MP1B	X	-1.736	5
50	MP1B	Z	-1.002	5
51	MP1B	Mx	.002	5
52	MP1C	X	-1.736	5
53	MP1C	Z	-1.002	5
54	MP1C	Mx	-.001	5
55	M1	X	-3.172	7
56	M1	Z	-1.831	7
57	M1	Mx	-.003	7
58	MP1A	X	-.587	6
59	MP1A	Z	-.339	6
60	MP1A	Mx	-.000474	6
61	MP1A	X	-.587	7
62	MP1A	Z	-.339	7
63	MP1A	Mx	-.000474	7
64	MP1B	X	-.586	6
65	MP1B	Z	-.338	6
66	MP1B	Mx	.000143	6
67	MP1B	X	-.586	7
68	MP1B	Z	-.338	7
69	MP1B	Mx	.000143	7
70	MP1A	X	-.587	6
71	MP1A	Z	-.339	6
72	MP1A	Mx	-.0007	6
73	MP1A	X	-.587	7
74	MP1A	Z	-.339	7
75	MP1A	Mx	-.0007	7
76	MP1B	X	-.586	6
77	MP1B	Z	-.338	6
78	MP1B	Mx	.000534	6
79	MP1B	X	-.586	7
80	MP1B	Z	-.338	7
81	MP1B	Mx	.000534	7
82	M1	X	-3.636	8.5
83	M1	Z	-2.099	8.5
84	M1	Mx	-.004	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.748	1.5
2	MP1A	Z	-6.491	1.5
3	MP1A	Mx	.002	1.5
4	MP1A	X	-3.748	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP1A	Z	-6.491	4.5
6	MP1A	Mx	.002	4.5
7	MP1B	X	-4.322	1.5
8	MP1B	Z	-7.485	1.5
9	MP1B	Mx	0	1.5
10	MP1B	X	-4.322	4.5
11	MP1B	Z	-7.485	4.5
12	MP1B	Mx	0	4.5
13	MP1C	X	-2.599	1.5
14	MP1C	Z	-4.502	1.5
15	MP1C	Mx	-.002	1.5
16	MP1C	X	-2.599	4.5
17	MP1C	Z	-4.502	4.5
18	MP1C	Mx	-.002	4.5
19	MP2A	X	-1.154	1.5
20	MP2A	Z	-1.999	1.5
21	MP2A	Mx	.000577	1.5
22	MP2A	X	-1.154	3.5
23	MP2A	Z	-1.999	3.5
24	MP2A	Mx	.000577	3.5
25	MP2B	X	-1.381	1.5
26	MP2B	Z	-2.391	1.5
27	MP2B	Mx	0	1.5
28	MP2B	X	-1.381	3.5
29	MP2B	Z	-2.391	3.5
30	MP2B	Mx	0	3.5
31	MP2C	X	-.702	1.5
32	MP2C	Z	-1.216	1.5
33	MP2C	Mx	-.000608	1.5
34	MP2C	X	-.702	3.5
35	MP2C	Z	-1.216	3.5
36	MP2C	Mx	-.000608	3.5
37	MP1A	X	-.969	5
38	MP1A	Z	-1.678	5
39	MP1A	Mx	.001	5
40	MP1B	X	-1.092	5
41	MP1B	Z	-1.891	5
42	MP1B	Mx	-.002	5
43	MP1C	X	-.722	5
44	MP1C	Z	-1.251	5
45	MP1C	Mx	.002	5
46	MP1A	X	-1.002	5
47	MP1A	Z	-1.736	5
48	MP1A	Mx	-.002	5
49	MP1B	X	-1.092	5
50	MP1B	Z	-1.891	5
51	MP1B	Mx	.002	5
52	MP1C	X	-.822	5
53	MP1C	Z	-1.424	5
54	MP1C	Mx	.000127	5
55	M1	X	-2.099	7
56	M1	Z	-3.636	7
57	M1	Mx	-.002	7
58	MP1A	X	-.338	6
59	MP1A	Z	-.586	6
60	MP1A	Mx	-.000143	6
61	MP1A	X	-.338	7
62	MP1A	Z	-.586	7
63	MP1A	Mx	-.000143	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
64	MP1B	X	-.338	6
65	MP1B	Z	-.586	6
66	MP1B	Mx	-.000226	6
67	MP1B	X	-.338	7
68	MP1B	Z	-.586	7
69	MP1B	Mx	-.000226	7
70	MP1A	X	-.338	6
71	MP1A	Z	-.586	6
72	MP1A	Mx	-.000533	6
73	MP1A	X	-.338	7
74	MP1A	Z	-.586	7
75	MP1A	Mx	-.000533	7
76	MP1B	X	-.338	6
77	MP1B	Z	-.586	6
78	MP1B	Mx	.000225	6
79	MP1B	X	-.338	7
80	MP1B	Z	-.586	7
81	MP1B	Mx	.000225	7
82	M1	X	-2.233	8.5
83	M1	Z	-3.868	8.5
84	M1	Mx	-.004	8.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-6.89	1.5
2	MP1A	My	-.003	1.5
3	MP1A	Mz	0	1.5
4	MP1A	Y	-6.89	4.5
5	MP1A	My	-.003	4.5
6	MP1A	Mz	0	4.5
7	MP1B	Y	-6.89	1.5
8	MP1B	My	.003	1.5
9	MP1B	Mz	-.002	1.5
10	MP1B	Y	-6.89	4.5
11	MP1B	My	.003	4.5
12	MP1B	Mz	-.002	4.5
13	MP1C	Y	-6.89	1.5
14	MP1C	My	0	1.5
15	MP1C	Mz	.003	1.5
16	MP1C	Y	-6.89	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP1C	My	0	4.5
18	MP1C	Mz	.003	4.5
19	MP2A	Y	-6.773	1.5
20	MP2A	My	-.003	1.5
21	MP2A	Mz	0	1.5
22	MP2A	Y	-6.773	3.5
23	MP2A	My	-.003	3.5
24	MP2A	Mz	0	3.5
25	MP2B	Y	-6.773	1.5
26	MP2B	My	.003	1.5
27	MP2B	Mz	-.002	1.5
28	MP2B	Y	-6.773	3.5
29	MP2B	My	.003	3.5
30	MP2B	Mz	-.002	3.5
31	MP2C	Y	-6.773	1.5
32	MP2C	My	0	1.5
33	MP2C	Mz	.003	1.5
34	MP2C	Y	-6.773	3.5
35	MP2C	My	0	3.5
36	MP2C	Mz	.003	3.5
37	MP1A	Y	-10.933	5
38	MP1A	My	.007	5
39	MP1A	Mz	-.011	5
40	MP1B	Y	-10.933	5
41	MP1B	My	-.000846	5
42	MP1B	Mz	.013	5
43	MP1C	Y	-10.933	5
44	MP1C	My	-.011	5
45	MP1C	Mz	-.007	5
46	MP1A	Y	-13.126	5
47	MP1A	My	.009	5
48	MP1A	Mz	.013	5
49	MP1B	Y	-13.126	5
50	MP1B	My	-.014	5
51	MP1B	Mz	-.007	5
52	MP1C	Y	-13.126	5
53	MP1C	My	.013	5
54	MP1C	Mz	-.009	5
55	M1	Y	-4.977	7
56	M1	My	.005	7
57	M1	Mz	0	7
58	MP1A	Y	-1.369	6
59	MP1A	My	.001	6
60	MP1A	Mz	-.000456	6
61	MP1A	Y	-1.369	7
62	MP1A	My	.001	7
63	MP1A	Mz	-.000456	7
64	MP1B	Y	-1.369	6
65	MP1B	My	-.000957	6
66	MP1B	Mz	.001	6
67	MP1B	Y	-1.369	7
68	MP1B	My	-.000957	7
69	MP1B	Mz	.001	7
70	MP1A	Y	-1.369	6
71	MP1A	My	.001	6
72	MP1A	Mz	.000456	6
73	MP1A	Y	-1.369	7
74	MP1A	My	.001	7
75	MP1A	Mz	.000456	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP1B	Y	-1.369	6
77	MP1B	My	-.001	6
78	MP1B	Mz	.000289	6
79	MP1B	Y	-1.369	7
80	MP1B	My	-.001	7
81	MP1B	Mz	.000289	7
82	M1	Y	-4.977	8.5
83	M1	My	.002	8.5
84	M1	Mz	.004	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-17.224	1.5
2	MP1A	Mx	0	1.5
3	MP1A	Z	-17.224	4.5
4	MP1A	Mx	0	4.5
5	MP1B	Z	-17.224	1.5
6	MP1B	Mx	.004	1.5
7	MP1B	Z	-17.224	4.5
8	MP1B	Mx	.004	4.5
9	MP1C	Z	-17.224	1.5
10	MP1C	Mx	-.009	1.5
11	MP1C	Z	-17.224	4.5
12	MP1C	Mx	-.009	4.5
13	MP2A	Z	-16.932	1.5
14	MP2A	Mx	0	1.5
15	MP2A	Z	-16.932	3.5
16	MP2A	Mx	0	3.5
17	MP2B	Z	-16.932	1.5
18	MP2B	Mx	.004	1.5
19	MP2B	Z	-16.932	3.5
20	MP2B	Mx	.004	3.5
21	MP2C	Z	-16.932	1.5
22	MP2C	Mx	-.008	1.5
23	MP2C	Z	-16.932	3.5
24	MP2C	Mx	-.008	3.5
25	MP1A	Z	-27.333	5
26	MP1A	Mx	.027	5
27	MP1B	Z	-27.333	5
28	MP1B	Mx	-.033	5
29	MP1C	Z	-27.333	5
30	MP1C	Mx	.018	5
31	MP1A	Z	-32.815	5
32	MP1A	Mx	-.033	5
33	MP1B	Z	-32.815	5
34	MP1B	Mx	.017	5
35	MP1C	Z	-32.815	5
36	MP1C	Mx	.022	5
37	M1	Z	-12.442	7
38	M1	Mx	0	7
39	MP1A	Z	-3.421	6
40	MP1A	Mx	.001	6
41	MP1A	Z	-3.421	7
42	MP1A	Mx	.001	7
43	MP1B	Z	-3.421	6
44	MP1B	Mx	-.003	6
45	MP1B	Z	-3.421	7
46	MP1B	Mx	-.003	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
47	MP1A	Z	-3.421	6
48	MP1A	Mx	-.001	6
49	MP1A	Z	-3.421	7
50	MP1A	Mx	-.001	7
51	MP1B	Z	-3.421	6
52	MP1B	Mx	-.000723	6
53	MP1B	Z	-3.421	7
54	MP1B	Mx	-.000723	7
55	M1	Z	-12.442	8.5
56	M1	Mx	-.011	8.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	17.224	1.5
2	MP1A	Mx	-.009	1.5
3	MP1A	X	17.224	4.5
4	MP1A	Mx	-.009	4.5
5	MP1B	X	17.224	1.5
6	MP1B	Mx	.007	1.5
7	MP1B	X	17.224	4.5
8	MP1B	Mx	.007	4.5
9	MP1C	X	17.224	1.5
10	MP1C	Mx	0	1.5
11	MP1C	X	17.224	4.5
12	MP1C	Mx	0	4.5
13	MP2A	X	16.932	1.5
14	MP2A	Mx	-.008	1.5
15	MP2A	X	16.932	3.5
16	MP2A	Mx	-.008	3.5
17	MP2B	X	16.932	1.5
18	MP2B	Mx	.007	1.5
19	MP2B	X	16.932	3.5
20	MP2B	Mx	.007	3.5
21	MP2C	X	16.932	1.5
22	MP2C	Mx	0	1.5
23	MP2C	X	16.932	3.5
24	MP2C	Mx	0	3.5
25	MP1A	X	27.333	5
26	MP1A	Mx	.018	5
27	MP1B	X	27.333	5
28	MP1B	Mx	-.002	5
29	MP1C	X	27.333	5
30	MP1C	Mx	-.027	5
31	MP1A	X	32.815	5
32	MP1A	Mx	.022	5
33	MP1B	X	32.815	5
34	MP1B	Mx	-.035	5
35	MP1C	X	32.815	5
36	MP1C	Mx	.033	5
37	M1	X	12.442	7
38	M1	Mx	.012	7
39	MP1A	X	3.421	6
40	MP1A	Mx	.003	6
41	MP1A	X	3.421	7
42	MP1A	Mx	.003	7
43	MP1B	X	3.421	6
44	MP1B	Mx	-.002	6
45	MP1B	X	3.421	7

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1B	Mx	-.002	7
47	MP1A	X	3.421	6
48	MP1A	Mx	.003	6
49	MP1A	X	3.421	7
50	MP1A	Mx	.003	7
51	MP1B	X	3.421	6
52	MP1B	Mx	-.004	6
53	MP1B	X	3.421	7
54	MP1B	Mx	-.004	7
55	M1	X	12.442	8.5
56	M1	Mx	.006	8.5

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.766	-6.766	0	%100
2	M2	Y	-8.188	-8.188	0	%100
3	M3	Y	-8.188	-8.188	0	%100
4	M4	Y	-8.188	-8.188	0	%100
5	M5	Y	-5.537	-5.537	0	%100
6	M6	Y	-5.537	-5.537	0	%100
7	M7	Y	-5.537	-5.537	0	%100
8	MP1A	Y	-4.769	-4.769	0	%100
9	MP2A	Y	-4.769	-4.769	0	%100
10	MP1B	Y	-4.769	-4.769	0	%100
11	MP2B	Y	-4.769	-4.769	0	%100
12	MP1C	Y	-4.769	-4.769	0	%100
13	MP2C	Y	-4.769	-4.769	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-10.144	-10.144	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-4.994	-4.994	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-4.994	-4.994	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-6.157	-6.157	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-1.539	-1.539	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-1.539	-1.539	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-6.481	-6.481	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	-6.481	-6.481	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	-6.481	-6.481	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	-6.481	-6.481	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	-6.481	-6.481	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-6.481	-6.481	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.072	5.072	0	%100
2	M1	Z	-8.785	-8.785	0	%100
3	M2	X	.832	.832	0	%100
4	M2	Z	-1.442	-1.442	0	%100
5	M3	X	3.329	3.329	0	%100
6	M3	Z	-5.766	-5.766	0	%100
7	M4	X	.832	.832	0	%100
8	M4	Z	-1.442	-1.442	0	%100
9	M5	X	2.309	2.309	0	%100
10	M5	Z	-3.999	-3.999	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	2.309	2.309	0	%100
14	M7	Z	-3.999	-3.999	0	%100
15	MP1A	X	3.24	3.24	0	%100
16	MP1A	Z	-5.612	-5.612	0	%100
17	MP2A	X	3.24	3.24	0	%100
18	MP2A	Z	-5.612	-5.612	0	%100
19	MP1B	X	3.24	3.24	0	%100
20	MP1B	Z	-5.612	-5.612	0	%100
21	MP2B	X	3.24	3.24	0	%100
22	MP2B	Z	-5.612	-5.612	0	%100
23	MP1C	X	3.24	3.24	0	%100
24	MP1C	Z	-5.612	-5.612	0	%100
25	MP2C	X	3.24	3.24	0	%100
26	MP2C	Z	-5.612	-5.612	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	8.785	8.785	0	%100
2	M1	Z	-5.072	-5.072	0	%100
3	M2	X	4.325	4.325	0	%100
4	M2	Z	-2.497	-2.497	0	%100
5	M3	X	4.325	4.325	0	%100
6	M3	Z	-2.497	-2.497	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	1.333	1.333	0	%100
10	M5	Z	-.77	-.77	0	%100
11	M6	X	1.333	1.333	0	%100
12	M6	Z	-.77	-.77	0	%100
13	M7	X	5.332	5.332	0	%100
14	M7	Z	-3.079	-3.079	0	%100
15	MP1A	X	5.612	5.612	0	%100
16	MP1A	Z	-3.24	-3.24	0	%100
17	MP2A	X	5.612	5.612	0	%100
18	MP2A	Z	-3.24	-3.24	0	%100
19	MP1B	X	5.612	5.612	0	%100
20	MP1B	Z	-3.24	-3.24	0	%100
21	MP2B	X	5.612	5.612	0	%100
22	MP2B	Z	-3.24	-3.24	0	%100
23	MP1C	X	5.612	5.612	0	%100
24	MP1C	Z	-3.24	-3.24	0	%100
25	MP2C	X	5.612	5.612	0	%100
26	MP2C	Z	-3.24	-3.24	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	10.144	10.144	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	6.658	6.658	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.665	1.665	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.665	1.665	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	4.618	4.618	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	4.618	4.618	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	6.481	6.481	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	6.481	6.481	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	6.481	6.481	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	6.481	6.481	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	6.481	6.481	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	6.481	6.481	0	%100
26	MP2C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	8.785	8.785	0	%100
2	M1	Z	5.072	5.072	0	%100
3	M2	X	4.325	4.325	0	%100
4	M2	Z	2.497	2.497	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	4.325	4.325	0	%100
8	M4	Z	2.497	2.497	0	%100
9	M5	X	1.333	1.333	0	%100
10	M5	Z	.77	.77	0	%100
11	M6	X	5.332	5.332	0	%100
12	M6	Z	3.079	3.079	0	%100
13	M7	X	1.333	1.333	0	%100
14	M7	Z	.77	.77	0	%100
15	MP1A	X	5.612	5.612	0	%100
16	MP1A	Z	3.24	3.24	0	%100
17	MP2A	X	5.612	5.612	0	%100
18	MP2A	Z	3.24	3.24	0	%100
19	MP1B	X	5.612	5.612	0	%100
20	MP1B	Z	3.24	3.24	0	%100
21	MP2B	X	5.612	5.612	0	%100
22	MP2B	Z	3.24	3.24	0	%100
23	MP1C	X	5.612	5.612	0	%100
24	MP1C	Z	3.24	3.24	0	%100
25	MP2C	X	5.612	5.612	0	%100
26	MP2C	Z	3.24	3.24	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	5.072	5.072	0	%100
2	M1	Z	8.785	8.785	0	%100
3	M2	X	.832	.832	0	%100
4	M2	Z	1.442	1.442	0	%100
5	M3	X	.832	.832	0	%100
6	M3	Z	1.442	1.442	0	%100
7	M4	X	3.329	3.329	0	%100
8	M4	Z	5.766	5.766	0	%100
9	M5	X	2.309	2.309	0	%100
10	M5	Z	3.999	3.999	0	%100
11	M6	X	2.309	2.309	0	%100
12	M6	Z	3.999	3.999	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	3.24	3.24	0	%100
16	MP1A	Z	5.612	5.612	0	%100
17	MP2A	X	3.24	3.24	0	%100
18	MP2A	Z	5.612	5.612	0	%100
19	MP1B	X	3.24	3.24	0	%100
20	MP1B	Z	5.612	5.612	0	%100
21	MP2B	X	3.24	3.24	0	%100
22	MP2B	Z	5.612	5.612	0	%100
23	MP1C	X	3.24	3.24	0	%100
24	MP1C	Z	5.612	5.612	0	%100
25	MP2C	X	3.24	3.24	0	%100
26	MP2C	Z	5.612	5.612	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	10.144	10.144	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	4.994	4.994	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	4.994	4.994	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	6.157	6.157	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	1.539	1.539	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	1.539	1.539	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	6.481	6.481	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	6.481	6.481	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	6.481	6.481	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	6.481	6.481	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	6.481	6.481	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	6.481	6.481	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.072	-5.072	0	%100
2	M1	Z	8.785	8.785	0	%100
3	M2	X	-.832	-.832	0	%100
4	M2	Z	1.442	1.442	0	%100
5	M3	X	-3.329	-3.329	0	%100
6	M3	Z	5.766	5.766	0	%100
7	M4	X	-.832	-.832	0	%100
8	M4	Z	1.442	1.442	0	%100
9	M5	X	-2.309	-2.309	0	%100
10	M5	Z	3.999	3.999	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-2.309	-2.309	0	%100
14	M7	Z	3.999	3.999	0	%100
15	MP1A	X	-3.24	-3.24	0	%100
16	MP1A	Z	5.612	5.612	0	%100
17	MP2A	X	-3.24	-3.24	0	%100
18	MP2A	Z	5.612	5.612	0	%100
19	MP1B	X	-3.24	-3.24	0	%100
20	MP1B	Z	5.612	5.612	0	%100
21	MP2B	X	-3.24	-3.24	0	%100
22	MP2B	Z	5.612	5.612	0	%100
23	MP1C	X	-3.24	-3.24	0	%100
24	MP1C	Z	5.612	5.612	0	%100
25	MP2C	X	-3.24	-3.24	0	%100
26	MP2C	Z	5.612	5.612	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-8.785	-8.785	0	%100
2	M1	Z	5.072	5.072	0	%100
3	M2	X	-4.325	-4.325	0	%100
4	M2	Z	2.497	2.497	0	%100
5	M3	X	-4.325	-4.325	0	%100
6	M3	Z	2.497	2.497	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-1.333	-1.333	0	%100
10	M5	Z	.77	.77	0	%100
11	M6	X	-1.333	-1.333	0	%100
12	M6	Z	.77	.77	0	%100
13	M7	X	-5.332	-5.332	0	%100
14	M7	Z	3.079	3.079	0	%100
15	MP1A	X	-5.612	-5.612	0	%100
16	MP1A	Z	3.24	3.24	0	%100
17	MP2A	X	-5.612	-5.612	0	%100
18	MP2A	Z	3.24	3.24	0	%100
19	MP1B	X	-5.612	-5.612	0	%100
20	MP1B	Z	3.24	3.24	0	%100
21	MP2B	X	-5.612	-5.612	0	%100
22	MP2B	Z	3.24	3.24	0	%100
23	MP1C	X	-5.612	-5.612	0	%100
24	MP1C	Z	3.24	3.24	0	%100
25	MP2C	X	-5.612	-5.612	0	%100
26	MP2C	Z	3.24	3.24	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-10.144	-10.144	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-6.658	-6.658	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.665	-1.665	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.665	-1.665	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-4.618	-4.618	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-4.618	-4.618	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	-6.481	-6.481	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	-6.481	-6.481	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	-6.481	-6.481	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	-6.481	-6.481	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	-6.481	-6.481	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	-6.481	-6.481	0	%100
26	MP2C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-8.785	-8.785	0	%100
2	M1	Z	-5.072	-5.072	0	%100
3	M2	X	-4.325	-4.325	0	%100
4	M2	Z	-2.497	-2.497	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-4.325	-4.325	0	%100
8	M4	Z	-2.497	-2.497	0	%100
9	M5	X	-1.333	-1.333	0	%100
10	M5	Z	-.77	-.77	0	%100
11	M6	X	-5.332	-5.332	0	%100
12	M6	Z	-3.079	-3.079	0	%100
13	M7	X	-1.333	-1.333	0	%100
14	M7	Z	-.77	-.77	0	%100
15	MP1A	X	-5.612	-5.612	0	%100
16	MP1A	Z	-3.24	-3.24	0	%100
17	MP2A	X	-5.612	-5.612	0	%100
18	MP2A	Z	-3.24	-3.24	0	%100
19	MP1B	X	-5.612	-5.612	0	%100
20	MP1B	Z	-3.24	-3.24	0	%100
21	MP2B	X	-5.612	-5.612	0	%100
22	MP2B	Z	-3.24	-3.24	0	%100
23	MP1C	X	-5.612	-5.612	0	%100
24	MP1C	Z	-3.24	-3.24	0	%100
25	MP2C	X	-5.612	-5.612	0	%100
26	MP2C	Z	-3.24	-3.24	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-5.072	-5.072	0	%100
2	M1	Z	-8.785	-8.785	0	%100
3	M2	X	-.832	-.832	0	%100
4	M2	Z	-1.442	-1.442	0	%100
5	M3	X	-.832	-.832	0	%100
6	M3	Z	-1.442	-1.442	0	%100
7	M4	X	-3.329	-3.329	0	%100
8	M4	Z	-5.766	-5.766	0	%100
9	M5	X	-2.309	-2.309	0	%100
10	M5	Z	-3.999	-3.999	0	%100
11	M6	X	-2.309	-2.309	0	%100
12	M6	Z	-3.999	-3.999	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	-3.24	-3.24	0	%100
16	MP1A	Z	-5.612	-5.612	0	%100
17	MP2A	X	-3.24	-3.24	0	%100
18	MP2A	Z	-5.612	-5.612	0	%100
19	MP1B	X	-3.24	-3.24	0	%100
20	MP1B	Z	-5.612	-5.612	0	%100
21	MP2B	X	-3.24	-3.24	0	%100
22	MP2B	Z	-5.612	-5.612	0	%100
23	MP1C	X	-3.24	-3.24	0	%100
24	MP1C	Z	-5.612	-5.612	0	%100
25	MP2C	X	-3.24	-3.24	0	%100
26	MP2C	Z	-5.612	-5.612	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-.634	-.634	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.312	-.312	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.312	-.312	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.385	-.385	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-.096	-.096	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.096	-.096	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	-.405	-.405	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	-.405	-.405	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	-.405	-.405	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	-.405	-.405	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	-.405	-.405	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-.405	-.405	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.317	.317	0	%100
2	M1	Z	-.549	-.549	0	%100
3	M2	X	.052	.052	0	%100
4	M2	Z	-.09	-.09	0	%100
5	M3	X	.208	.208	0	%100
6	M3	Z	-.36	-.36	0	%100
7	M4	X	.052	.052	0	%100
8	M4	Z	-.09	-.09	0	%100
9	M5	X	.144	.144	0	%100
10	M5	Z	-.25	-.25	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.144	.144	0	%100
14	M7	Z	-.25	-.25	0	%100
15	MP1A	X	.203	.203	0	%100
16	MP1A	Z	-.351	-.351	0	%100
17	MP2A	X	.203	.203	0	%100
18	MP2A	Z	-.351	-.351	0	%100
19	MP1B	X	.203	.203	0	%100
20	MP1B	Z	-.351	-.351	0	%100
21	MP2B	X	.203	.203	0	%100
22	MP2B	Z	-.351	-.351	0	%100
23	MP1C	X	.203	.203	0	%100
24	MP1C	Z	-.351	-.351	0	%100
25	MP2C	X	.203	.203	0	%100
26	MP2C	Z	-.351	-.351	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.549	.549	0	%100
2	M1	Z	-.317	-.317	0	%100
3	M2	X	.27	.27	0	%100
4	M2	Z	-.156	-.156	0	%100
5	M3	X	.27	.27	0	%100
6	M3	Z	-.156	-.156	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.083	.083	0	%100
10	M5	Z	-.048	-.048	0	%100
11	M6	X	.083	.083	0	%100
12	M6	Z	-.048	-.048	0	%100
13	M7	X	.333	.333	0	%100
14	M7	Z	-.192	-.192	0	%100
15	MP1A	X	.351	.351	0	%100
16	MP1A	Z	-.203	-.203	0	%100
17	MP2A	X	.351	.351	0	%100
18	MP2A	Z	-.203	-.203	0	%100
19	MP1B	X	.351	.351	0	%100
20	MP1B	Z	-.203	-.203	0	%100
21	MP2B	X	.351	.351	0	%100
22	MP2B	Z	-.203	-.203	0	%100
23	MP1C	X	.351	.351	0	%100
24	MP1C	Z	-.203	-.203	0	%100
25	MP2C	X	.351	.351	0	%100
26	MP2C	Z	-.203	-.203	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.634	.634	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.416	.416	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.104	.104	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.104	.104	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.289	.289	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.289	.289	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	.405	.405	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	.405	.405	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	.405	.405	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	.405	.405	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	.405	.405	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	.405	.405	0	%100
26	MP2C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.549	.549	0	%100
2	M1	Z	.317	.317	0	%100
3	M2	X	.27	.27	0	%100
4	M2	Z	.156	.156	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.27	.27	0	%100
8	M4	Z	.156	.156	0	%100
9	M5	X	.083	.083	0	%100
10	M5	Z	.048	.048	0	%100
11	M6	X	.333	.333	0	%100
12	M6	Z	.192	.192	0	%100
13	M7	X	.083	.083	0	%100
14	M7	Z	.048	.048	0	%100
15	MP1A	X	.351	.351	0	%100
16	MP1A	Z	.203	.203	0	%100
17	MP2A	X	.351	.351	0	%100
18	MP2A	Z	.203	.203	0	%100
19	MP1B	X	.351	.351	0	%100
20	MP1B	Z	.203	.203	0	%100
21	MP2B	X	.351	.351	0	%100
22	MP2B	Z	.203	.203	0	%100
23	MP1C	X	.351	.351	0	%100
24	MP1C	Z	.203	.203	0	%100
25	MP2C	X	.351	.351	0	%100
26	MP2C	Z	.203	.203	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.317	.317	0	%100
2	M1	Z	.549	.549	0	%100
3	M2	X	.052	.052	0	%100
4	M2	Z	.09	.09	0	%100
5	M3	X	.052	.052	0	%100
6	M3	Z	.09	.09	0	%100
7	M4	X	.208	.208	0	%100
8	M4	Z	.36	.36	0	%100
9	M5	X	.144	.144	0	%100
10	M5	Z	.25	.25	0	%100
11	M6	X	.144	.144	0	%100
12	M6	Z	.25	.25	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	.203	.203	0	%100
16	MP1A	Z	.351	.351	0	%100
17	MP2A	X	.203	.203	0	%100
18	MP2A	Z	.351	.351	0	%100
19	MP1B	X	.203	.203	0	%100
20	MP1B	Z	.351	.351	0	%100
21	MP2B	X	.203	.203	0	%100
22	MP2B	Z	.351	.351	0	%100
23	MP1C	X	.203	.203	0	%100
24	MP1C	Z	.351	.351	0	%100
25	MP2C	X	.203	.203	0	%100
26	MP2C	Z	.351	.351	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	.634	.634	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.312	.312	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.312	.312	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.385	.385	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.096	.096	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.096	.096	0	%100
15	MP1A	X	0	0	0	%100
16	MP1A	Z	.405	.405	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	.405	.405	0	%100
19	MP1B	X	0	0	0	%100
20	MP1B	Z	.405	.405	0	%100
21	MP2B	X	0	0	0	%100
22	MP2B	Z	.405	.405	0	%100
23	MP1C	X	0	0	0	%100
24	MP1C	Z	.405	.405	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	.405	.405	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.317	-.317	0	%100
2	M1	Z	.549	.549	0	%100
3	M2	X	-.052	-.052	0	%100
4	M2	Z	.09	.09	0	%100
5	M3	X	-.208	-.208	0	%100
6	M3	Z	.36	.36	0	%100
7	M4	X	-.052	-.052	0	%100
8	M4	Z	.09	.09	0	%100
9	M5	X	-.144	-.144	0	%100
10	M5	Z	.25	.25	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.144	-.144	0	%100
14	M7	Z	.25	.25	0	%100
15	MP1A	X	-.203	-.203	0	%100
16	MP1A	Z	.351	.351	0	%100
17	MP2A	X	-.203	-.203	0	%100
18	MP2A	Z	.351	.351	0	%100
19	MP1B	X	-.203	-.203	0	%100
20	MP1B	Z	.351	.351	0	%100
21	MP2B	X	-.203	-.203	0	%100
22	MP2B	Z	.351	.351	0	%100
23	MP1C	X	-.203	-.203	0	%100
24	MP1C	Z	.351	.351	0	%100
25	MP2C	X	-.203	-.203	0	%100
26	MP2C	Z	.351	.351	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.549	-.549	0	%100
2	M1	Z	.317	.317	0	%100
3	M2	X	-.27	-.27	0	%100
4	M2	Z	.156	.156	0	%100
5	M3	X	-.27	-.27	0	%100
6	M3	Z	.156	.156	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.083	-.083	0	%100
10	M5	Z	.048	.048	0	%100
11	M6	X	-.083	-.083	0	%100
12	M6	Z	.048	.048	0	%100
13	M7	X	-.333	-.333	0	%100
14	M7	Z	.192	.192	0	%100
15	MP1A	X	-.351	-.351	0	%100
16	MP1A	Z	.203	.203	0	%100
17	MP2A	X	-.351	-.351	0	%100
18	MP2A	Z	.203	.203	0	%100
19	MP1B	X	-.351	-.351	0	%100
20	MP1B	Z	.203	.203	0	%100
21	MP2B	X	-.351	-.351	0	%100
22	MP2B	Z	.203	.203	0	%100
23	MP1C	X	-.351	-.351	0	%100
24	MP1C	Z	.203	.203	0	%100
25	MP2C	X	-.351	-.351	0	%100
26	MP2C	Z	.203	.203	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.634	-.634	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.416	-.416	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.104	-.104	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.104	-.104	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-.289	-.289	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-.289	-.289	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	-.405	-.405	0	%100
16	MP1A	Z	0	0	0	%100
17	MP2A	X	-.405	-.405	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1B	X	-.405	-.405	0	%100
20	MP1B	Z	0	0	0	%100
21	MP2B	X	-.405	-.405	0	%100
22	MP2B	Z	0	0	0	%100
23	MP1C	X	-.405	-.405	0	%100
24	MP1C	Z	0	0	0	%100
25	MP2C	X	-.405	-.405	0	%100
26	MP2C	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,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.549	-.549	0	%100
2	M1	Z	-.317	-.317	0	%100
3	M2	X	-.27	-.27	0	%100
4	M2	Z	-.156	-.156	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.27	-.27	0	%100
8	M4	Z	-.156	-.156	0	%100
9	M5	X	-.083	-.083	0	%100
10	M5	Z	-.048	-.048	0	%100
11	M6	X	-.333	-.333	0	%100
12	M6	Z	-.192	-.192	0	%100
13	M7	X	-.083	-.083	0	%100
14	M7	Z	-.048	-.048	0	%100
15	MP1A	X	-.351	-.351	0	%100
16	MP1A	Z	-.203	-.203	0	%100
17	MP2A	X	-.351	-.351	0	%100
18	MP2A	Z	-.203	-.203	0	%100
19	MP1B	X	-.351	-.351	0	%100
20	MP1B	Z	-.203	-.203	0	%100
21	MP2B	X	-.351	-.351	0	%100
22	MP2B	Z	-.203	-.203	0	%100
23	MP1C	X	-.351	-.351	0	%100
24	MP1C	Z	-.203	-.203	0	%100
25	MP2C	X	-.351	-.351	0	%100
26	MP2C	Z	-.203	-.203	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.317	-.317	0	%100
2	M1	Z	-.549	-.549	0	%100
3	M2	X	-.052	-.052	0	%100
4	M2	Z	-.09	-.09	0	%100
5	M3	X	-.052	-.052	0	%100
6	M3	Z	-.09	-.09	0	%100
7	M4	X	-.208	-.208	0	%100
8	M4	Z	-.36	-.36	0	%100
9	M5	X	-.144	-.144	0	%100
10	M5	Z	-.25	-.25	0	%100
11	M6	X	-.144	-.144	0	%100
12	M6	Z	-.25	-.25	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	MP1A	X	-.203	-.203	0	%100
16	MP1A	Z	-.351	-.351	0	%100
17	MP2A	X	-.203	-.203	0	%100
18	MP2A	Z	-.351	-.351	0	%100
19	MP1B	X	-.203	-.203	0	%100
20	MP1B	Z	-.351	-.351	0	%100
21	MP2B	X	-.203	-.203	0	%100
22	MP2B	Z	-.351	-.351	0	%100
23	MP1C	X	-.203	-.203	0	%100
24	MP1C	Z	-.351	-.351	0	%100
25	MP2C	X	-.203	-.203	0	%100
26	MP2C	Z	-.351	-.351	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 C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE 4.0	.419	0	60	.059	7.104		62	66261.926	93240	10.631	10.631	2....	H1-1b
2	M2	HSS4X4X4	.170	0	24	.100	0	y	24	104920.4...	106155	12.311	12.311	1....	H1-1b
3	M3	HSS4X4X4	.172	0	24	.101	0	y	24	104920.4...	106155	12.311	12.311	1....	H1-1b
4	M4	HSS4X4X4	.164	0	24	.085	0	y	24	104920.4...	106155	12.311	12.311	1....	H1-1b
5	M5	PIPE 3.0	.191	1.917	24	.086	1.917		58	60272.456	65205	5.749	5.749	1....	H1-1b
6	M6	PIPE 3.0	.200	1.917	24	.070	1.917		56	60272.456	65205	5.749	5.749	1....	H1-1b
7	M7	PIPE 3.0	.175	1.917	24	.059	1.917		24	60272.456	65205	5.749	5.749	1....	H1-1b
8	MP1A	PIPE 2.5	.135	2.042	58	.022	4.521		55	33961.614	50715	3.596	3.596	1....	H1-1b
9	MP2A	PIPE 2.5	.024	2.042	52	.005	2.042		61	33961.614	50715	3.596	3.596	1....	H1-1b
10	MP1B	PIPE 2.5	.116	2.698	63	.022	4.521		60	33961.614	50715	3.596	3.596	1....	H1-1b
11	MP2B	PIPE 2.5	.019	2.698	57	.004	2.698		60	33961.614	50715	3.596	3.596	2....	H1-1b
12	MP1C	PIPE 2.5	.074	3.281	55	.017	4.521		52	33961.614	50715	3.596	3.596	1...	H1-1b
13	MP2C	PIPE 2.5	.021	3.208	55	.004	3.281		52	33961.614	50715	3.596	3.596	2....	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	N3	max	624.625	73	3368.886	24	624.669	64	4.167	52	.051	74	4.119	55
2		min	-624.627	67	1196.147	70	-624.669	70	-4.227	58	-.051	56	-4.276	61
3	Totals:	max	624.625	73	3368.886	24	624.669	64						
4		min	-624.627	67	1196.147	70	-624.669	70						

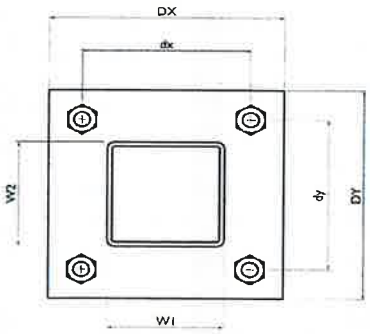
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	8/8/2023
Site Name:	Branford CT		
MDG #:	5000385364		
Fuze ID #:	17123777	Page:	1

Version 1.01

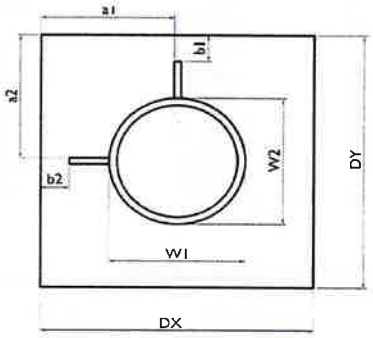
I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Vertical (bottom)



Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	3
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	0.0
Required Shear Strength / bolt (kips):	0.0
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	0.3%

Tower Connection Baseplate Checks	Yes



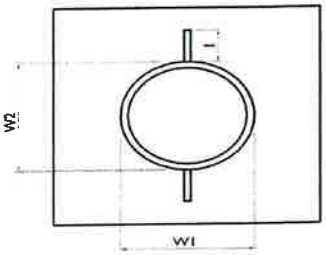
Connecting Standoff Member Shape:	Pipe
Weld Stiffener Configuration:	Has Stiffeners
Plate Width, D_x (in):	6
Plate Height, D_y (in):	12
W1 = Diameter (in):	4.5
W2 = N/A:	4
Member Thickness (in):	0.237
Stiffener location a_1 (in):	3
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.5
Length of Yield Line, L_y (in):	3.20
Bolt Eccentricity, e (in):	0.00
M_u (kip-in):	0.00
Phi*M_n (kip-in):	6.49
Plate Bending Utilization:	Sufficient

VzW SMART Tool© Vendor

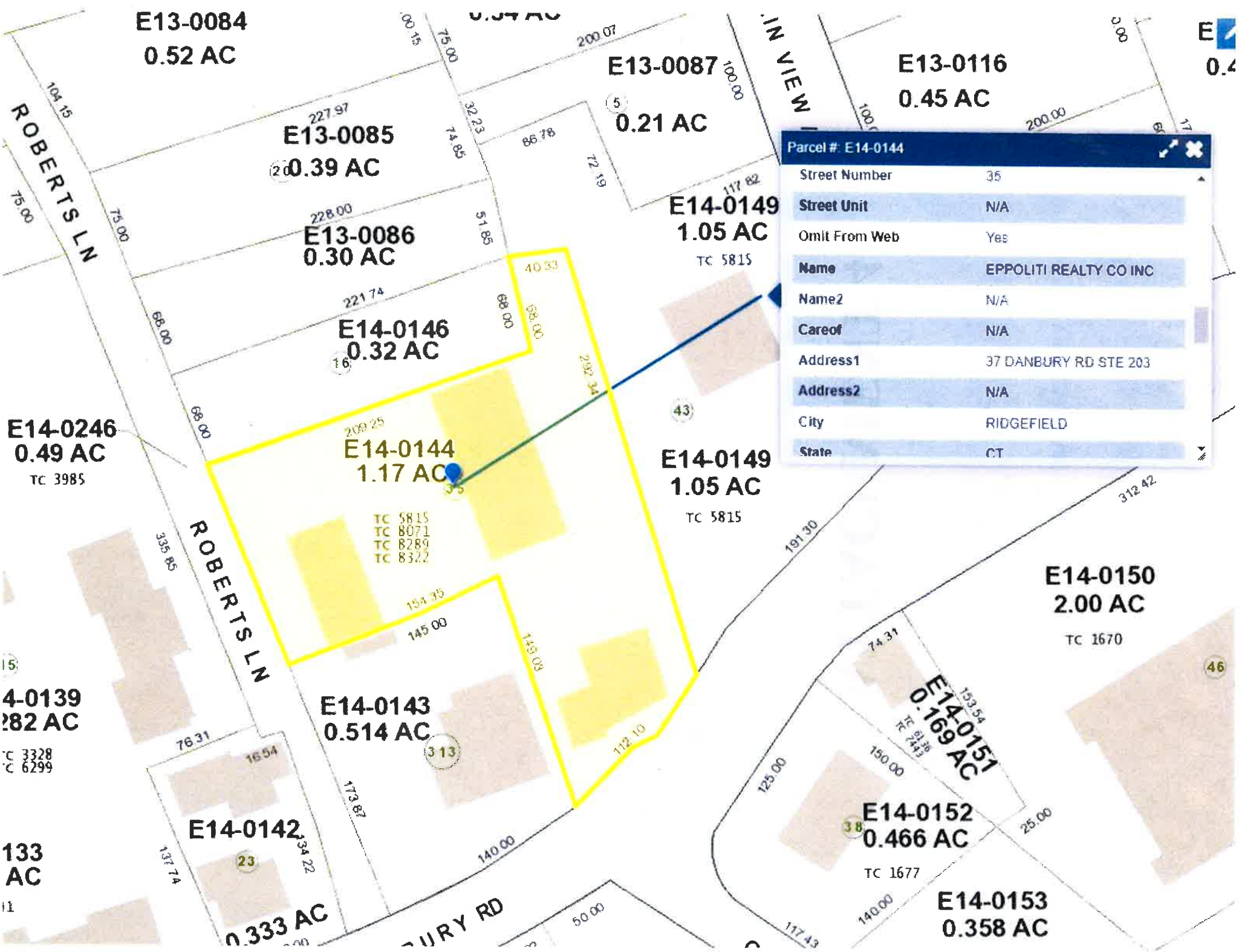
Client:	Verizon Wireless	Date:	8/8/2023
Site Name:	Branford CT		
PSLC #:	5000385364		
Fuze ID #:	17123777	Page:	2
			Version 1.01

Tower Connection Weld Checks

	Yes
Weld Shape:	Circle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Stiffener Notch Present?	
Stiffener Length, l (in):	3.75
Stiffener Spacing/Width, s (in):	
Stiffener Notch Length, n (in):	0
Weld Size (1/16 in):	4
W1 = Diameter (in):	4.5
W2 = Diameter (in):	4.5
Weld Total Length (in):	29.14
Z_x (in^3/in):	61.37
Z_y (in^3/in):	15.90
J_p (in^4/in):	344.38
c_x (in)	6
c_y (in)	6
Required combined strength (kip/in):	0.01
Weld Capacity (kip/in):	5.57
Weld Utilization:	**0.2%**



ATTACHMENT 4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0.52 AC
E13-0085
0.39 AC
E13-0086
0.30 AC
E13-0087
0.21 AC
E13-0116
0.45 AC
E14-0149
1.05 AC
TC 5815
E14-0146
0.32 AC
E14-0144
1.17 AC
TC 5815
TC 8071
TC 8289
TC 8322
E14-0246
0.49 AC
TC 3985
E14-0149
1.05 AC
TC 5815
E14-0150
2.00 AC
TC 1670
E14-0143
0.514 AC
E14-0142
0.333 AC
E14-0151
0.169 AC
E14-0152
0.466 AC
TC 1677
E14-0153
0.358 AC
ROBERTS LN
ROBERTS LN
IN VIEW
Parcel #: E14-0144
Street Number 35
Street Unit N/A
Omit From Web Yes
Name EPPOLITI REALTY CO INC
Name2 N/A
Careof N/A
Address1 37 DANBURY RD STE 203
Address2 N/A
City RIDGEFIELD
State CT

ATTACHMENT 5

Verizon/Ridgefield 5

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 10/11/2023 US POSTAGE $003.19⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Rudy Marconi, First Selectman Town of Ridgefield 400 Main Street Ridgefield, CT 06877				
2.	Alice Dew, Planning and Zoning Director Town of Ridgefield 400 Main Street Ridgefield, CT 06877				
3.	Eppoliti Realty Co., Inc. 37 Danbury Road, Suite 203 Ridgefield, CT 06877				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103 OCT 11 2023 USPS

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See Reverse for Instructions