Robinson+Cole

KENNETH C. BALDWIN

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kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts and New York

November 21, 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**
785 Park Avenue, Bloomfield, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility (the "Facility") at the Bloomfield Police Station at 785 Park Avenue in Bloomfield. The facility consists of antennas and remote radio heads attached to a monopole telecommunications tower and associated equipment on the ground near the base of the tower. The existing tower was approved by the Town of Bloomfield ("Town") in October of 2002. Cellco's use of the tower was approved by the Council in November of 2002 (EM-VER-011-021017). Copies of the Town's approval and the Council's EM-VER-011-021017 approval are included in Attachment 1.

Recently, in EM-VER-011-220726, the Council approved certain facility modifications including the installation of new antennas and remote radio heads (RRHs). Construction of these modifications has not yet been completed. Cellco recently learned that the original RRHs approved in EM-VER-011-220726 are no longer available. In their place, Cellco will install three (3) model RF-4439d-25A RRHs and three (3) model RF4440d-13A RRHs. Cellco also intends to install two (2) interference mitigation filters (Filters) on its existing antenna platform. Specifications for Cellco's new RRHs and Filters are included in Attachment 2.

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

The planned modifications to the facility fall squarely within those activities explicitly

provided for in R.C.S.A. § 16-50j-72(b)(2).

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

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 RRHs and Filters will not increase radio frequency (RF) emissions at the facility and therefore a new RF emissions report has not been produced.

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 ("SA") dated August 25, 2023 and Mount Analysis ("MA") dated June 9, 2023, the existing tower, tower foundation and antenna platform and mounts, with certain modifications, can support Cellco's new RRHs and Filters. Copies of the updated 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 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:
Danielle C. Wong, Bloomfield Mayor
Lynda Laureano, Zoning Enforcement Officer
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@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

November 8, 2002

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

RE: **EM-VER-011-021017** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 785 Park Avenue, Bloomfield, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on November 7, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated October 17, 2002. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Mortimer A. Gelston
Chairman

MAG/laf

c: Honorable Faith McMahon, Mayor, Town of Bloomfield
Thomas B. Hooper, Director of Planning, Town of Bloomfield
Christopher B. Fisher, Esq., Cuddy & Feder & Worby LLP

TOWN OF BLOOMFIELD

800 Bloomfield Avenue - P.O. Box 337
Bloomfield, CT 06002
(860) 769-3516

BUILDING PERMIT APPLICATION

Job Location: 785 Park Ave, Bloomfield, CT	Lot #:	Zone:
Purpose of Permit: To construct a wireless communications facility consisting of a 140' monopole structure, it is designed to accomadate town police + rescue communications and four wireless carriers.		

Building Permit No: 21872	Use Group: U	Code:
Type of Construction:		

Property Owner - Name/Address	Contractor - Name/Address	Arch/Eng/Agent - Name/Address
Town of Bloomfield 800 Bloomfield Ave Bloomfield, CT, 06002 Phone:	Construction Services of Branford, Inc, 63-3 North Branford Rd, Branford, CT, 06405 Phone: (203) 488-0712	Vatcomm, Inc 63-2 North Branford Rd, Branford, CT, 06405 Phone: (203) 488-0580

USE:

☐ Residential Use	☐ Public Assembly	☐ Industrial
☐ Single Family	☐ Business	☐ Storage
☐ Multi Family	☐ Educational	☐ Utility

FEE INCLUDES:	ESTIMATED COST	FEE
☑ General Contractor	$ 110,000	$
☐ Plumbing Permit #:	$	$
☐ Heating Permit #:	$	$
☐ A/C Permit #:	$	$
☐ Electric Permit #:	$	$
☐ Sprinkler Permit #:	$	$
☐ #:	$	$
	TOTAL $ 110,000	TOTAL $ 1,540.00

CERTIFICATION: I hereby certify that: ☐ I am the owner of record of the named property or ☑ that the proposed work is authorized by the owner of record and/or I have been authorized to make this application as an agent, and we agree to conform to all applicable laws, regulations and ordinances. All information contained within is true and accurate to the best of my knowledge and belief.

Signed: ☐ Owner ☐ Contractor ☑ Agent	Date: 10/25/02	Contractor's License #: mco.900576

ATTACHMENT 2

SAMSUNG

AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code	RF4439d-25A

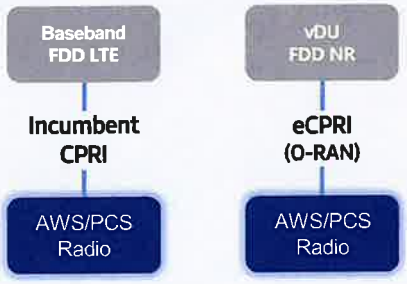
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

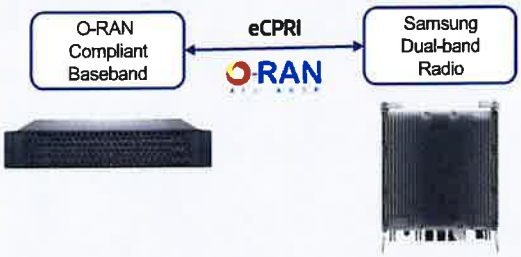
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-effective networks, which are capable of sending more data without compromising additional investments.

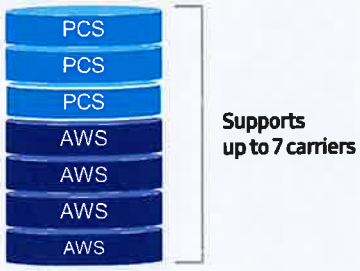
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Brand New Features in a Compact Size

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.

\+

- **2 FH connectivity**
- **O-RAN capability**
- **More carriers and spectrum**

Same as an incumbent radio volume

Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb

SAMSUNG

700/850MHZ MACRO RADIO

DUAL-BAND AND HIGH POWER FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This 700/850MHz 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code	RF4440d-13A

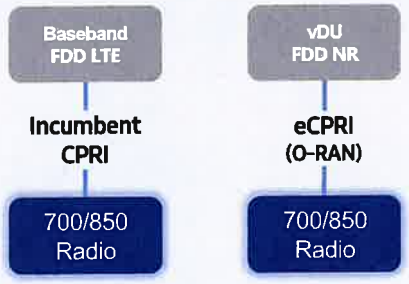
Homepage
samsungnetworks.com

Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

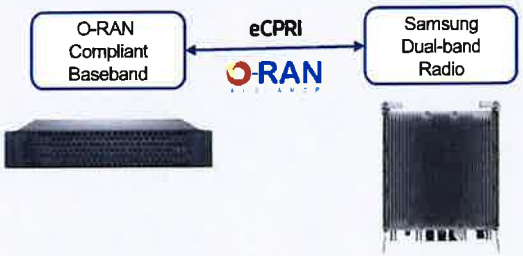
Samsung's 700/850MHz macro radio can support each incumbent CPRI interface as well as an advanced eCPRI interface. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help when implementing cost-effective networks because it is capable of sending more data without compromising additional investments.

Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

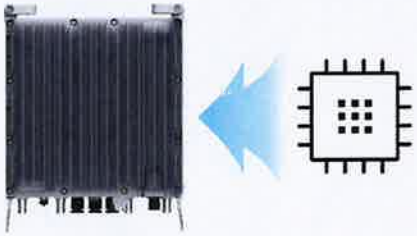
The number of required carriers varies according to site (region). The ability to support many carriers is essential for using all frequencies that the operator has available.

The new 700/850MHz dual-band radio can support up to 2 carriers in the B13 (700MHz) band and 3 carriers in the B5 (850MHz) band, respectively.

Secured Integrity

Access to sensitive data is allowed only to authorized software.

The Samsung radio's CPU can protect root of trust, which is credential information to verify SW integrity, and secure storage provides access control to sensitive data by using dedicated hardware (TPM).



Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B13(700MHz), B5(850MHz)
Frequency Band	DL: 746 – 756MHz, UL: 777 – 787MHz DL: 869 – 894MHz, UL: 824 – 849MHz
RF Power	(B13) 4 × 40W or 2 × 60W (B5) 4 × 40W or 2 × 60W
IBW/OBW	(B13) 10MHz / 10MHz (B5) 25MHz / 25MHz
Installation	Pole, Wall
Size/ Weight	14.96 x 14.96 x 9.05inch (33.2L) / 70.33 lb

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

FEATURES

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

TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	
ELECTRICAL		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
DC / AISG		
Passband	0 - 13MHz	
Insertion loss	0.3dB maximum	
Return loss	15dB minimum	
Input voltage range	± 33V	
DC current rating	2A continuous, 4A peak	
Compliance	3GPP TS 25.461	
ENVIRONMENTAL		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-20°C to +60°C | -4°F to +140°F	
Ingress protection	IP67	
Altitude	2600m | 8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.	
MTBF	>1,000,000 hours	
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE	

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

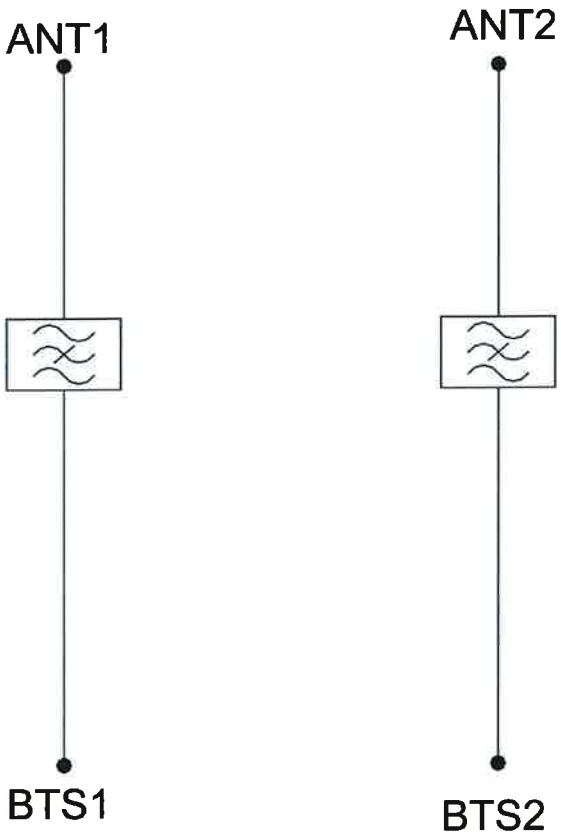
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

ORDERING INFORMATION

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

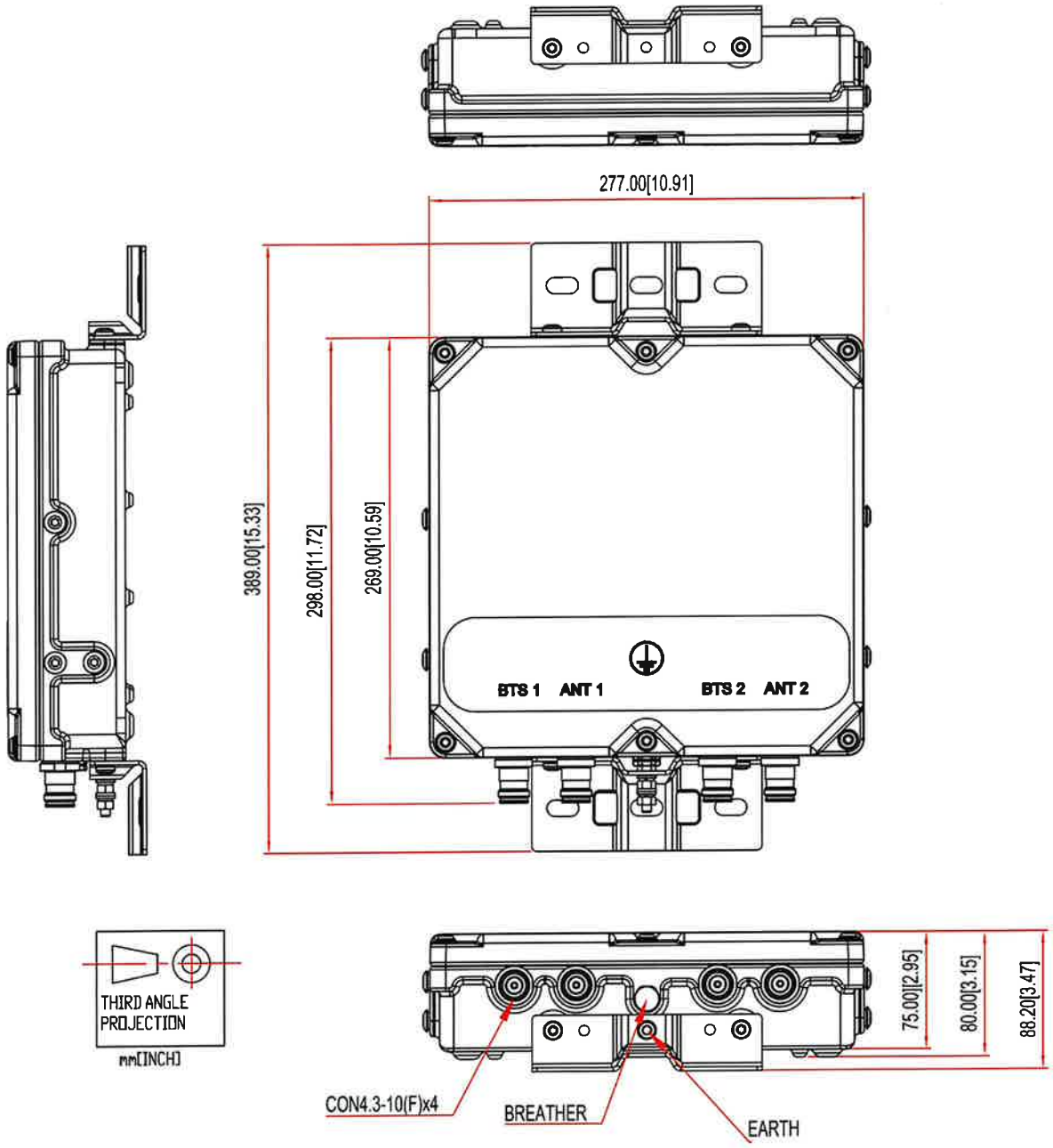
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ELECTRICAL BLOCK DIAGRAM



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

MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3

ALL-POINTS
TECHNOLOGY CORPORATION

CONDITION ASSESSMENT & STRUCTURAL ANALYSIS REPORT
136'± MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT

Prepared for
Verizon Wireless

verizon

Verizon Wireless Site Ref:
468782; Bloomfield 3 CT

Site Address: 785 Park Avenue, Bloomfield, Connecticut 06002
FUZE ID: 16272375
Project Type: Modification

APT Filing No. CT141_12570

~~Rev. 0 January 25, 2022~~
~~Rev. 1 January 26, 2022~~
~~Rev. 2 June 14, 2023~~
~~Rev. 3 August 10, 2023~~
Rev 4. August 25, 2023

ALL-POINTS TECHNOLOGY CORPORATION, P.C.
567 VAUXHALL STREET EXTENSION · SUITE 311 · WATERFORD, CT 06385 · PHONE 860-663-1697

CONDITION ASSESSMENT & STRUCTURAL ANALYSIS REPORT
136'± MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
prepared for
Verizon Wireless

EXECUTIVE SUMMARY:

All-Points Technology Corporation, P.C. (APT) performed a condition assessment and structural evaluation of an existing 136'± monopole tower structure to support a proposed Verizon equipment modification.

Details of the proposed equipment configuration are included within the table on the following page.

Equipment shall be installed on the existing 14' low-profile platform. The existing platform requires modification prior to the installation of the new Verizon equipment.

The results of this analysis indicate that the monopole tower structure meets the requirements of the 2021 International Building Code (IBC), as amended by the 2022 Connecticut State Building Code, and the ANSI/TIA-222-H standard with proposed equipment modification.

The existing foundation system consists of a 7-ft dia. x 32-ft long reinforced concrete caisson. An evaluation of the existing caisson was performed utilizing caisson design data and subsoil characteristics noted within a previous structural analysis report prepared by Centek Engineering dated September 10, 2018. The Centek caisson analysis was based on original tower manufacturer design information prepared by Paul J. Ford & Company on behalf of PennSummit Tubular, LLC dated September 17, 2002. The existing foundation was determined to be adequately sized to support the proposed equipment modification.

The steel component structure usage is summarized in the table below:

Elevation/Component	Capacity
Pole (88.75'-137')	61%
Anchor Bolts	58%
Base Plate	58%

INTRODUCTION:

A condition assessment and structural analysis was performed on the above-mentioned communications tower by APT for Verizon Wireless. The subject tower is located at 785 Park Avenue in Bloomfield, Connecticut.

The following information was utilized in the preparation of this analysis:

- Construction Drawings prepared by APT (APT Project No. CT141_12570), marked Rev. 5 dated 08/25/23.
- Antenna Mount Analysis Report and PMI Requirements prepared by Colliers Engineering & Design CT, P.C. (Project No. 23777171), dated 07/20/23.

- Post-Modification Antenna Mount Analysis Report and PMI Requirements prepared by Colliers Engineering & Design (Project No. 21777224), marked Rev. 1, dated 06/09/23.
- Mount Modification Drawings prepared by Colliers Engineering & Design (Project No. 21777224), marked Rev. 1, dated 06/09/23.
- RFDS provided by Verizon Wireless, latest version.
- Field observations compiled during a site visit conducted by APT on 06/23/21.
- Structural Analysis Report prepared by Centek Engineering, Inc. (Project No. 18098.03) marked Rev 1, dated 09/10/18.
- Structural Analysis Report prepared by Maser Consulting Connecticut, (Maser Project No. 17924009A) dated 10/23/17.
- Structural Analysis Report prepared by Hudson Design Group, LLC, dated 05/31/17.

The analysis was conducted with the following antenna inventory (proposed equipment shown in **bold** text):

Carrier	Antenna and Appurtenance Make/Model	Elevation [1]	Status [2]	Mount Type	Coax/Feed-Line
	Cambium PTP400, Transtector box	140'	ETR	4' x 2-3/8" Pipe Mount	1/4"
	20' 8-Bay Dipole	137'	ETR	Center Pole	(2) 7/8"
T-Mobile	(3) Ericsson AIR32, (3) Ericsson AIR 6449 B41 & (3) RFS APXVAARR24-43 panels, (3) Radio 4449 B71+B12 RRHs, (3) Radio 4415 B25 RRHs, (3) Twin TMAs	136'	ETR	15' Platform w/ Rails	(18) 1-5/8" [3]
Sprint	(3) Andrew NNVV-65B-R4 & (3) Commscope LLPX-310 R panels, (6) FD-RRH 2x50 800 RRHs, (3) FD-RRH 4x45 1900 RRHs, 14" Microwave Dish w/ ODU	115'	ETR	(3) 6' T-Arms	(4) 1-1/4", (2) 2" conduit, 1/2"
Verizon	(6) Andrew SBNHH-1D65A, (1) Amphenol BXA-80080/4, (1) Amphenol BXA-80080/6, (1) Amphenol BXA-80063/4 & **(3) Samsung MT6407-77A antennas w/ integrated RRHs, (3) Samsung B2/B66A RRH ORAN (RF4439d-25A) RRHs, (3) Samsung B5/B13 RRH ORAN (RF4440d-13A) RRHs, (2) Raycap RVZDC-3315-PF-48 OVPs, (2) Kaelus KA-6030 mitigation filters (Alpha only)**	105'	ETR ETR ETR ETR **P** **P** **P** **P** **P**	14' Low-Profile Platform **w/ reinforcements**	**(6)** 1-5/8", **(1) 6x12 LI hybrid,** (1) 6x12 hybrid
	(3) DB Spectra DS7C09P36U (14' Omnidirectional Whip)	85'	ETR	(3) 3' Standoffs	(3) 1-5/8"
	(3) Cambium PTP400, (2) Transtector boxes	80'	ETR	(3) 4' x 2-3/8" Pipe Mounts	(3) 1/4"
	3' Microwave Dish	75'	ETR	Chain Mount	1/2"
	14" dish w/ ODU	72'	ETR	Chain Mount, 4' x 2-3/8" Pipe Mount	1/2"

Notes:

1. Elevations refer to AGL.
2. ETR = Existing to remain; **P** = Proposed.
3. APT observed eight of T-Mobile's existing feed lines were inactive.

CONDITION ASSESSMENT:

- **General Observations:** The tower, an 18-sided tapered steel monopole, appeared to be in sound condition. No signs of movement or overstress of the tower were observed.
- **Antenna Connections:** Antenna mounting hardware was in good condition, with corrosion resistant hardware and galvanized members prevalent. APT observed eight of T-Mobile's existing feed lines were inactive.
- **Base Plate:** Base plate and anchor bolts appeared to be in good condition. No loose or missing nuts were observed.
- **Foundation:** Visible concrete appeared to be in good condition.

STRUCTURAL ANALYSIS:

Methodology:

This structural analysis has been prepared in accordance with the ANSI/TIA-222-H standard entitled "Structural Standard for Antenna Supporting Structures, Antennas and Small Wind Turbine Support Structures"; American Institute of Steel Construction (AISC) Manual of Steel Construction, and the 2021 International Building Code (IBC), as amended by the 2022 Connecticut State Building Code.

Antenna, appurtenance and mount assembly loads were evaluated utilizing the ANSI/TIA-222-H standard.

- Load Case 1: 130 mph (3-second gust), 0" ice (Ultimate Wind Speed)
- Load Case 2: 50 mph (3-second gust) w/ 1.5" ice thickness
- Load Case 3: 60 mph (3-second gust) (Service Load)
- Risk Category: III
- Exposure Category: B
- Topographic Category: 1

ANALYSIS RESULTS:

The analysis was conducted in accordance with the criteria outlined above with the aforementioned loading. The following table summarizes the results of the analysis:

Elevation	Pole Capacity [4,5]
88.75'-137'	61%
47.75'-88.75'	55%
1'-47.75'	59%
Anchor Bolts	58%
Base Plate	58%

Notes:
4. Based on ASTM A572 Gr. 65 tapered pole. Pole diameter and thickness vary.
5. Based on ASTM A572 Gr. 55 base plate. Base plate is 3.25" thick.

Foundation:

The existing foundation system consists of a 7-ft dia. x 32-ft long reinforced concrete caisson. An evaluation of the existing caisson was performed utilizing caisson design data and subsoil characteristics noted within a previous structural analysis report prepared by Centek Engineering dated September 10, 2018. The Centek caisson analysis was based on original tower manufacturer design information prepared by Paul J. Ford & Company on behalf of PennSummit Tubular, LLC dated September 17, 2002.

The calculated base reactions are indicated within the table below:

Load Effect	Calculated Reaction
Axial	38 k
Max Shear	30 k
Overturning Moment	2,590 ft-k

The caisson foundation was found to be structurally adequate:

Design Limit	Proposed Loading	Result
Moment Capacity	70%	PASS
Lateral Deflection	0.09" [7]	PASS

Notes:
6. Based on ASTM A572 Gr. 65 tapered pole. Pole diameter and thickness vary.
7. Lateral deflection limited to 0.75in under service load combination per ANSI/TIA-222-H Section 9.4

CONCLUSIONS AND SUGGESTIONS:

In conclusion, our analysis indicates that the existing 136'± monopole tower structure, located at 785 Park Avenue in Bloomfield, Connecticut meets the requirements of 2021 International Building Code (IBC), as amended by the 2022 Connecticut State Building Code, and the ANSI/TIA-222-H standard with Verizon's proposed equipment modification.

Sincerely,
All-Points Technology Corp. P.C.

Michael S. Trodden, P.E.
Senior Structural Engineer

Prepared By:
All-Points Technology Corp. P.C.

Ali Adair
Project Scientist

LIMITATIONS:

This report is based on the following:

1. Tower/structure is properly installed and maintained.
2. All members are in a non-deteriorated condition.
3. All required members are in place.
4. All bolts are in place and are properly tightened.
5. Tower/structure is in plumb condition.
6. All tower members were properly designed, detailed, fabricated, and installed and have been properly maintained since erection.
7. Material yield stress values as follows:
   Monopole: ASTM A607 Gr. 65
   Base Plate: ASTM A572 Gr. 55
   Anchor Bolts: ASTM A615 Gr. 75

All-Points Technology Corporation, P.C. (APT) is not responsible for any modifications completed prior to or hereafter which APT is not or was not directly involved. Modifications include but are not limited to:

1. Replacing for reinforcing bracing members.
2. Reinforcing members in any manner.
3. Adding or relocating antennas.
4. Installing antenna mounts or waveguide cables.
5. Extending tower.

APT hereby states that this document represents the entire report and that it assumes no liability for any factual changes that may occur after the date of this report. All representations, recommendations, and conclusions are based upon the information contained and set forth herein. If you are aware of any information which conflicts with that which is contained herein, or you are aware of any defects arising from original design, material, fabrication, or erection deficiencies, you should disregard this report and immediately contact APT. APT disclaims all liability for any representation, recommendation, or conclusion not expressly stated herein.

Appendix A

Design Criteria

(Add) **APPENDIX P MUNICIPALITY – SPECIFIC STRUCTURAL DESIGN PARAMETERS**

Municipality	Basic Design Wind Speeds, V (mph)				Allowable Stress Design Wind Speeds, V_{asd} (mph)				Ground Snow Load p_g (psf)	MCE Ground Accelerations		Wind-Borne Debris Region[1]		Hurricane-Prone Region
	Risk Cat. I	Risk Cat. II	Risk Cat. III	Risk Cat. IV	Risk Cat. I	Risk Cat. II	Risk Cat. III	Risk Cat. IV		S_S (g)	S_1 (g)	Risk Cat. III Occup. I-2	Risk Cat. IV	
Andover	110	120	130	135	85	93	101	105	30	0.193	0.055			Yes
Ansonia	110	120	130	135	85	93	101	105	30	0.202	0.054			Yes
Ashford	110	120	130	135	85	93	101	105	35	0.181	0.055			Yes
Avon	110	120	125	130	85	93	97	101	35	0.180	0.054			Yes
Barkamsted	110	115	125	130	85	89	97	101	35	0.170	0.054			
Beacon Falls	110	120	130	135	85	93	101	105	30	0.199	0.054			Yes
Berlin	110	120	130	135	85	93	101	105	30	0.201	0.055			Yes
Bethany	110	120	130	135	85	93	101	105	30	0.199	0.054			Yes
Bethel	110	120	125	130	85	93	97	101	30	0.223	0.056			Yes
Bethlehem	110	120	125	130	85	93	97	101	35	0.186	0.054			Yes
Bloomfield	110	120	130	135	85	93	101	105	30	0.182	0.055			Yes
Bolton	110	120	130	135	85	93	101	105	30	0.191	0.055			Yes
Bozrah	115	125	135	140	89	97	105	108	30	0.197	0.054			Yes
Branford	115	125	135	135	89	97	105	105	30	0.201	0.053	Type B	Type B	Yes
Bridgeport	110	120	130	135	85	93	101	105	30	0.211	0.054		Type B	Yes
Bridgewater	110	120	125	130	85	93	97	101	35	0.201	0.055			
Bristol	110	120	130	130	85	93	101	101	35	0.188	0.054			Yes
Brookfield	110	120	125	130	85	93	97	101	30	0.210	0.055			Yes
Brooklyn	115	125	135	135	89	97	105	105	35	0.184	0.054			Yes
Burlington	110	120	125	130	85	93	97	101	35	0.180	0.054			Yes
Canaan	105	115	125	130	81	89	97	101	40	0.166	0.054			
Canterbury	115	125	135	140	89	97	105	108	30	0.187	0.054			Yes
Canton	110	120	125	130	85	93	97	101	35	0.177	0.054			Yes
Chaplin	115	125	130	135	89	97	101	105	35	0.184	0.055			Yes
Cheshire	110	120	130	135	85	93	101	105	30	0.200	0.055			Yes
Chester	115	125	135	140	89	97	105	108	30	0.213	0.055			Yes
Clinton	115	125	135	140	89	97	105	108	30	0.205	0.054	Type B	Type B	Yes
Colchester	115	125	135	135	89	97	105	105	30	0.205	0.055			Yes
Colebrook	105	115	125	130	81	89	97	101	40	0.165	0.054			
Columbia	115	125	130	135	89	97	101	105	30	0.195	0.055			Yes

ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

Ice

Results:

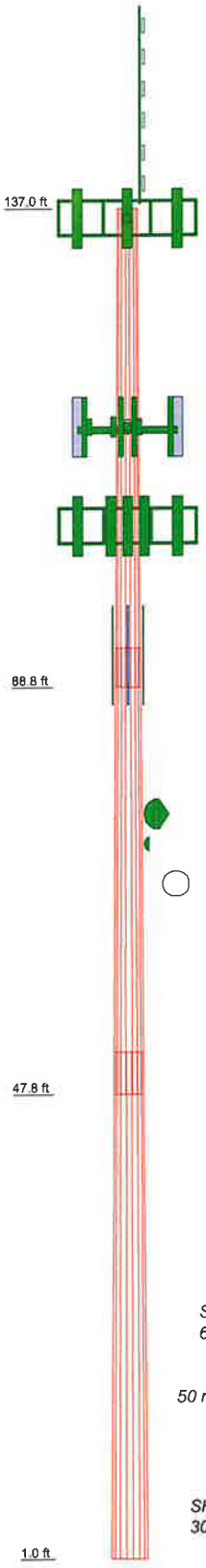
Ice Thickness:	1.50 in.
Concurrent Temperature:	5 F
Gust Speed	50 mph
Data Source:	Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8
Date Accessed:	Mon May 15 2023

Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 500-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Appendix B

Tower Schematic



Section	1	2	3
Length (ft)	48.25	45.00	51.00
Number of Sides	18	18	18
Thickness (in)	0.1875	0.3750	0.5000
Sockel Length (ft)	4.00	4.25	
Top Dia (in)	23.0000	29.2465	34.9382
Bot Dia (in)	30.2200	36.3600	43.3600
Grade		A607-65	
Weight (K)	2.6	5.9	10.6

ALL REACTIONS ARE FACTORED

AXIAL 71 K
SHEAR 6 K
MOMENT 607 kip-ft
TORQUE 0 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 38 K
SHEAR 30 K
MOMENT 2590 kip-ft
TORQUE 0 kip-ft
REACTIONS - 130 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
PTP400	137	BXA-80080/4 (Verizon)	105
Transtector (1101-778 ALPU-ORT)	137	MT6407-77A (Verizon)	105
4'x2 3/8" Pipe Mount	137	MT6407-77A (Verizon)	105
20' 8 Bay Dipole	137	MT6407-77A (Verizon)	105
AIR32 B66Aa/B2a (T-Mobile)	136	Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	105
AIR32 B66Aa/B2a (T-Mobile)	136		
AIR32 B66Aa/B2a (T-Mobile)	136	Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	105
AIR 6449 B41 (T-Mobile)	136		
AIR 6449 B41 (T-Mobile)	136	Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	105
AIR 6449 B41 (T-Mobile)	136		
APXVAARR 24_43 (T-Mobile)	136	Samsung B5/B13 ORAN RRH (RF4440d-13A) (Verizon)	105
APXVAARR 24_43 (T-Mobile)	136		
APXVAARR 24_43 (T-Mobile)	136	Samsung B5/B13 ORAN RRH (RF4440d-13A) (Verizon)	105
Radio 4449 (T-Mobile)	136		
Radio 4449 (T-Mobile)	136	RVZDC-3315-PF-48 OVP (Verizon)	105
Radio 4449 (T-Mobile)	136	RVZDC-3315-PF-48 OVP (Verizon)	105
Radio 4415 (T-Mobile)	136	14' low-profile platform (Verizon)	105
Radio 4415 (T-Mobile)	136	3.5' L3x3 angle (Verizon)	105
Radio 4415 (T-Mobile)	136	3.5' L3x3 angle (Verizon)	105
Twin TMA (T-Mobile)	136	3.5' L3x3 angle (Verizon)	105
Twin TMA (T-Mobile)	136	SitePro1 VZWSMART-PLK5 kicker kit (Verizon)	105
Twin TMA (T-Mobile)	136	(2) 6'x2 3/8" Pipe Mount (Verizon)	105
15' platform w/rails (T-Mobile)	136	13.5' x 2-7/8" pipe mount (Verizon)	105
NNVV-65B-R4 (Sprint)	115	13.5' x 2-7/8" pipe mount (Verizon)	105
NNVV-65B-R4 (Sprint)	115	13.5' x 2-7/8" pipe mount (Verizon)	105
NNVV-65B-R4 (Sprint)	115	(2) KA-6030 mitigation filter (Verizon)	105
LLPX310R-V1 (Sprint)	115	db Spectra DS7C09P36U-D	85
LLPX310R-V1 (Sprint)	115	db Spectra DS7C09P36U-D	85
LLPX310R-V1 (Sprint)	115	3' standoffs w/ HSS arms	85
(2) FD-RRH-2x50-800 (Sprint)	115	3' standoffs w/ HSS arms	85
(2) FD-RRH-2x50-800 (Sprint)	115	3' standoffs w/ HSS arms	85
(2) FD-RRH-2x50-800 (Sprint)	115	db Spectra DS7C09P36U-D	85
FD-RRH-4x45-1900 (Sprint)	115	PTP400	80
FD-RRH-4x45-1900 (Sprint)	115	PTP400	80
FD-RRH-4x45-1900 (Sprint)	115	Transtector (1101-778 ALPU-ORT)	80
6' T-arm (Sprint)	115	Transtector (1101-778 ALPU-ORT)	80
6' T-arm (Sprint)	115	4'x2 3/8" Pipe Mount	80
6' T-arm (Sprint)	115	4'x2 3/8" Pipe Mount	80
DragonWave Horizon Compact + ODU	115	4'x2 3/8" Pipe Mount	80
14" dish	115	PTP400	80
(2) 3.5' L3x3 angle (Sprint)	112	3' dish with radome	76
(2) 3.5' L3x3 angle (Sprint)	112	14" dish	73
(2) 3.5' L3x3 angle (Sprint)	112	DragonWave Horizon Compact + ODU	72
(2) SBNHH-1D65A (Verizon)	105	4'x2 3/8" Pipe Mount	72
(2) SBNHH-1D65A (Verizon)	105		
(2) SBNHH-1D65A (Verizon)	105		
BXA-80080/6 (Verizon)	105		
BXA-80063/4 (Verizon)	105		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

All Points Technology
567 Vauxhall St. Ext., Suite 311
Waterford, CT 06385
Phone: (860) 663-1697
FAX: (860) 663-0935

Job: 136' Monopole Tower			
Project: CT141_12570 Bloomfield 3			
Client: VzW Site #468782; Bloomfield 3 CT	Drawn by: AMA	App'd:	
Code: TIA-222-H	Date: 08/25/23	Scale: NTS	
Path:		Dwg No. E-1	

Appendix C

Site Images

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Overview photo of the existing 136' monopole tower.

Overview photos of existing equipment and mounts.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Photo of existing hatch plates and ground bar at shelter.

Photo of existing feed lines and ground bars at tower.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Additional photos of existing feed lines and ground bars at tower.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Photos of existing feed lines and ice bridges.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Photos of Verizon Wireless's typical existing equipment and mounts at 105'.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

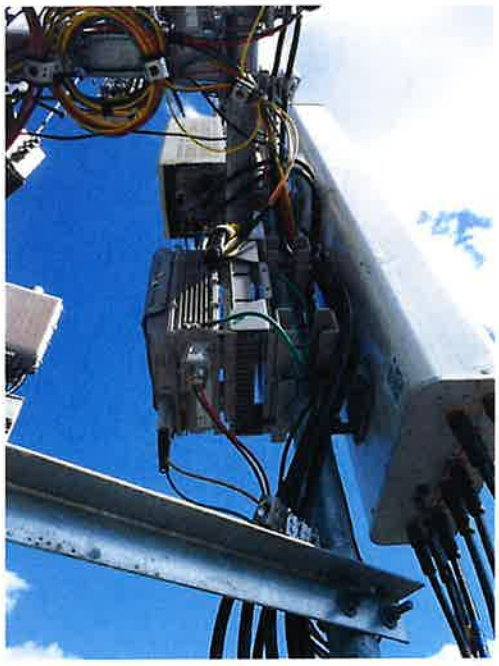
VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Additional photos of Verizon Wireless's typical existing equipment and mounts at 105'.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Photos of Sprint's typical existing equipment and mounts at 115'.



Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Additional photos of Sprint's typical existing equipment and mounts at 115'.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Photos of T-Mobile's typical existing equipment and mounts at 136'.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Additional photos of T-Mobile's typical existing equipment and mounts at 136'.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Photos of typical existing equipment and mounts.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Additional photos of typical existing equipment and mounts.

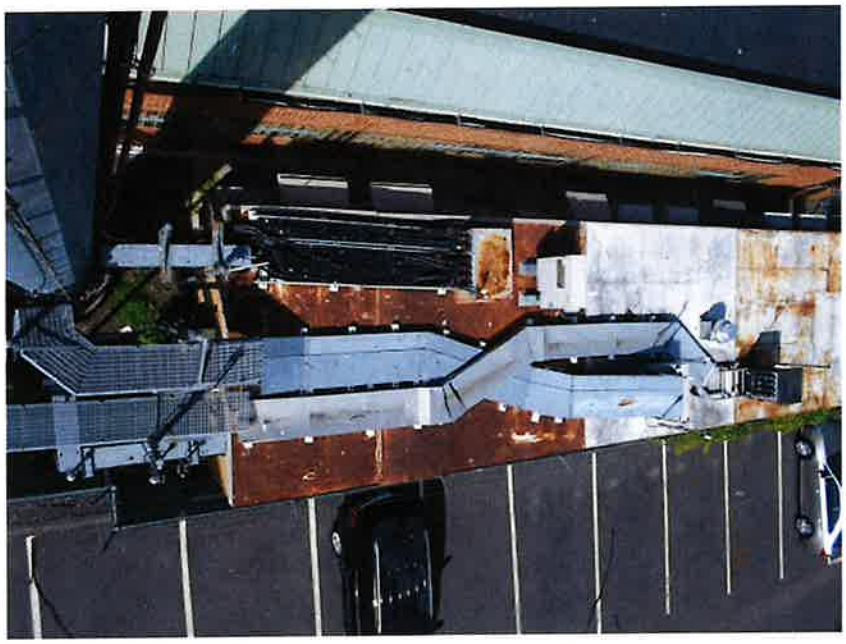
Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Photos of existing top mount.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT



Overview photos of existing ice bridges from tower.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

VERIZON WIRELESS
136' MONOPOLE TOWER
BLOOMFIELD, CONNECTICUT
VERIZON SITE #468782; BLOOMFIELD 3 CT

Photos of typical existing base foundation.

Photos taken by All-Points Technology Corporation, P.C. on June 23, 2021.

Appendix D

Calculations

tnxTower	Job	Page
	136' Monopole Tower	1 of 10
All Points Technology 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	**Project** CT141_12570 Bloomfield 3	**Date** 12:17:04 08/25/23
	Client VzW Site #468782; Bloomfield 3 CT	**Designed by** AMA

Tower Input Data

The tower is a monopole.
This tower is designed using the TIA-222-H standard.
The following design criteria apply:

Tower base elevation above sea level: 1.00 ft.
Basic wind speed of 130 mph.
Risk Category III.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.5000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Feed Line/Linear Appurtenances

Description	*Sector*	*Exclude From Torque Calculation*	*Component Type*	*Placement* *ft*	*Total Number*	*Number Per Row*	*Start/End Position*	*Width or Diameter* *in*	*Perimeter* *in*	*Weight* *plf*
1 1/4 (Clearwire)	C	Yes	Surface Ar (CaAa)	115.00 - 6.00	4	4	0.000 0.000	0.7500		0.66
1 5/8 (T-Mobile)	C	Yes	Surface Ar (CaAa)	136.00 - 6.00	6	6	0.000 0.000	1.9800		1.04

Description	*Face or Leg*	*Allow Shield*	*Exclude From Torque Calculation*	*Component Type*	*Placement* *ft*	*Total Number*		*C_AA_A* *ft²/ft*	*Weight* *plf*
1 5/8	C	No	Yes	Inside Pole	85.00 - 6.00	3	No Ice	0.00	1.04
							1/2" Ice	0.00	1.04
							1" Ice	0.00	1.04
							2" Ice	0.00	1.04
7/8	C	No	Yes	Inside Pole	137.00 - 6.00	2	No Ice	0.00	0.54
							1/2" Ice	0.00	0.54
							1" Ice	0.00	0.54
							2" Ice	0.00	0.54
1/2	C	No	Yes	Inside Pole	75.00 - 6.00	1	No Ice	0.00	0.25
							1/2" Ice	0.00	0.25
							1" Ice	0.00	0.25
							2" Ice	0.00	0.25
1/2	C	No	Yes	Inside Pole	72.00 - 6.00	1	No Ice	0.00	0.25
							1/2" Ice	0.00	0.25

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
							1" Ice	0.00	0.25
							2" Ice	0.00	0.25
1/4	C	No	Yes	Inside Pole	80.00 - 6.00	3	No Ice	0.00	0.05
							1/2" Ice	0.00	0.05
							1" Ice	0.00	0.05
							2" Ice	0.00	0.05
1/4	C	No	Yes	Inside Pole	137.00 - 6.00	1	No Ice	0.00	0.05
							1/2" Ice	0.00	0.05
							1" Ice	0.00	0.05
							2" Ice	0.00	0.05
1/2 (Clearwire)	C	No	Yes	Inside Pole	115.00 - 6.00	1	No Ice	0.00	0.25
							1/2" Ice	0.00	0.25
							1" Ice	0.00	0.25
							2" Ice	0.00	0.25
2" conduit (Clearwire)	C	No	Yes	Inside Pole	115.00 - 6.00	2	No Ice	0.00	2.00
							1/2" Ice	0.00	2.00
							1" Ice	0.00	2.00
							2" Ice	0.00	2.00
1 5/8 (T-Mobile)	C	No	Yes	Inside Pole	136.00 - 6.00	12	No Ice	0.00	1.04
							1/2" Ice	0.00	1.04
							1" Ice	0.00	1.04
							2" Ice	0.00	1.04
1 5/8 (Verizon)	C	No	Yes	Inside Pole	104.00 - 6.00	6	No Ice	0.00	1.04
							1/2" Ice	0.00	1.04
							1" Ice	0.00	1.04
							2" Ice	0.00	1.04
6x12 hybrid (Verizon)	C	No	Yes	Inside Pole	104.00 - 6.00	1	No Ice	0.00	1.88
							1/2" Ice	0.00	1.88
							1" Ice	0.00	1.88
							2" Ice	0.00	1.88
6x12 LI hybrid (Verizon)	C	No	Yes	Inside Pole	104.00 - 6.00	1	No Ice	0.00	1.88
							1/2" Ice	0.00	1.88
							1" Ice	0.00	1.88
							2" Ice	0.00	1.88

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
PTP400	B	From Leg	0.50 0.00 4.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.75 1.92 2.09 2.46	0.48 0.58 0.69 0.92	0.02 0.03 0.04 0.08
Transtector (1101-778 ALPU-ORT)	B	From Leg	0.50 0.00 4.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.25 0.31 0.39 0.56	0.13 0.19 0.25 0.39	0.00 0.00 0.01 0.02
4'x2 3/8" Pipe Mount	B	From Leg	0.00 0.00 4.00	0.0000	137.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.11 1.36 1.90	0.87 1.11 1.36 1.90	0.01 0.02 0.03 0.06
20' 8 Bay Dipole	B	From Leg	0.50 0.00	0.0000	137.00	No Ice 1/2" Ice	4.00 6.00	4.00 6.00	0.06 0.10

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			10.50			1" Ice	8.00	8.00	0.14
						2" Ice	12.00	12.00	0.23
AIR32 B66Aa/B2a (T-Mobile)	A	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.51 6.89 7.27 8.06	4.71 5.07 5.43 6.18	0.13 0.18 0.23 0.35
AIR32 B66Aa/B2a (T-Mobile)	B	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.51 6.89 7.27 8.06	4.71 5.07 5.43 6.18	0.13 0.18 0.23 0.35
AIR32 B66Aa/B2a (T-Mobile)	C	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	6.51 6.89 7.27 8.06	4.71 5.07 5.43 6.18	0.13 0.18 0.23 0.35
AIR 6449 B41 (T-Mobile)	A	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.68 5.98 6.29 6.88	2.49 2.72 2.95 3.41	0.13 0.17 0.21 0.28
AIR 6449 B41 (T-Mobile)	B	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.68 5.98 6.29 6.88	2.49 2.72 2.95 3.41	0.13 0.17 0.21 0.28
AIR 6449 B41 (T-Mobile)	C	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.68 5.98 6.29 6.88	2.49 2.72 2.95 3.41	0.13 0.17 0.21 0.28
APXVAARR 24_43 (T-Mobile)	A	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	20.24 20.89 21.54 22.87	8.89 9.49 10.09 11.33	0.15 0.27 0.39 0.66
APXVAARR 24_43 (T-Mobile)	B	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	20.24 20.89 21.54 22.87	8.89 9.49 10.09 11.33	0.15 0.27 0.39 0.66
APXVAARR 24_43 (T-Mobile)	C	From Face	4.00 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	20.24 20.89 21.54 22.87	8.89 9.49 10.09 11.33	0.15 0.27 0.39 0.66
Radio 4449 (T-Mobile)	A	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.29	1.16 1.30 1.45 1.72	0.08 0.10 0.11 0.14
Radio 4449 (T-Mobile)	B	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.29	1.16 1.30 1.45 1.72	0.08 0.10 0.11 0.14
Radio 4449 (T-Mobile)	C	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.29	1.16 1.30 1.45 1.72	0.08 0.10 0.11 0.14
Radio 4415 (T-Mobile)	A	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.28	0.68 0.79 0.91 1.12	0.05 0.06 0.08 0.10
Radio 4415 (T-Mobile)	B	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice	1.64 1.80 1.97	0.68 0.79 0.91	0.05 0.06 0.08

tnxTower	Job: 136' Monopole Tower	Page: 4 of 10
All Points Technology 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	Project: CT141_12570 Bloomfield 3	Date: 12:17:04 08/25/23
	Client: VzW Site #468782; Bloomfield 3 CT	Designed by: AMA

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	2.28	1.12	0.10
Radio 4415 (T-Mobile)	C	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.64 1.80 1.97 2.28	0.68 0.79 0.91 1.12	0.05 0.06 0.08 0.10
Twin TMA (T-Mobile)	A	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.57 0.67 0.77 1.00	0.28 0.35 0.43 0.62	0.02 0.02 0.03 0.04
Twin TMA (T-Mobile)	B	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.57 0.67 0.77 1.00	0.28 0.35 0.43 0.62	0.02 0.02 0.03 0.04
Twin TMA (T-Mobile)	C	From Face	3.50 0.00 0.00	0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.57 0.67 0.77 1.00	0.28 0.35 0.43 0.62	0.02 0.02 0.03 0.04
15' platform w/rails (T-Mobile)	A	None		0.0000	136.00	No Ice 1/2" Ice 1" Ice 2" Ice	13.50 14.55 15.61 17.76	11.69 12.61 13.54 15.42	1.40 2.42 3.46 5.61
NNVV-65B-R4 (Sprint)	A	From Leg	1.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.27 12.77 13.27 14.29	5.75 6.21 6.67 7.62	0.08 0.15 0.23 0.41
NNVV-65B-R4 (Sprint)	B	From Leg	1.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.27 12.77 13.27 14.29	5.75 6.21 6.67 7.62	0.08 0.15 0.23 0.41
NNVV-65B-R4 (Sprint)	C	From Leg	1.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	12.27 12.77 13.27 14.29	5.75 6.21 6.67 7.62	0.08 0.15 0.23 0.41
LLPX310R-V1 (Sprint)	A	From Leg	1.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.34 4.64 4.94 5.56	1.97 2.24 2.52 3.08	0.03 0.06 0.09 0.16
LLPX310R-V1 (Sprint)	B	From Leg	1.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.34 4.64 4.94 5.56	1.97 2.24 2.52 3.08	0.03 0.06 0.09 0.16
LLPX310R-V1 (Sprint)	C	From Leg	1.00 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.34 4.64 4.94 5.56	1.97 2.24 2.52 3.08	0.03 0.06 0.09 0.16
(2) FD-RRH-2x50-800 (Sprint)	A	From Leg	0.50 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.79 1.96 2.14 2.53	0.05 0.07 0.10 0.16
(2) FD-RRH-2x50-800 (Sprint)	B	From Leg	0.50 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.79 1.96 2.14 2.53	0.05 0.07 0.10 0.16
(2) FD-RRH-2x50-800 (Sprint)	C	From Leg	0.50 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.79 1.96 2.14 2.53	0.05 0.07 0.10 0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
FD-RRH-4x45-1900 (Sprint)	A	From Leg	0.50 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.42 2.62 2.84 3.29	2.42 2.62 2.84 3.29	0.06 0.08 0.11 0.18
FD-RRH-4x45-1900 (Sprint)	B	From Leg	0.50 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.42 2.62 2.84 3.29	2.42 2.62 2.84 3.29	0.06 0.08 0.11 0.18
FD-RRH-4x45-1900 (Sprint)	C	From Leg	0.50 0.00 0.00	0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.42 2.62 2.84 3.29	2.42 2.62 2.84 3.29	0.06 0.08 0.11 0.18
6' T-arm (Sprint)	A	None		0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.30 1.54 1.79 2.31	0.90 1.08 1.26 1.65	0.07 0.12 0.17 0.28
6' T-arm (Sprint)	B	None		0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.50 4.85 6.33 8.90	1.75 2.43 3.67 4.47	0.07 0.10 0.13 0.19
6' T-arm (Sprint)	C	None		0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.30 1.54 1.79 2.31	0.90 1.08 1.26 1.65	0.07 0.12 0.17 0.28
(2) 3.5' L3x3 angle (Sprint)	A	None		0.0000	112.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.57 2.00 2.43 3.29	1.57 2.00 2.43 3.29	0.02 0.03 0.04 0.06
(2) 3.5' L3x3 angle (Sprint)	B	None		0.0000	112.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.57 2.00 2.43 3.29	1.57 2.00 2.43 3.29	0.02 0.03 0.04 0.06
(2) 3.5' L3x3 angle (Sprint)	C	None		0.0000	112.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.57 2.00 2.43 3.29	1.57 2.00 2.43 3.29	0.02 0.03 0.04 0.06
DragonWave Horizon Compact + ODU	C	None		0.0000	115.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.69 0.80 0.91 1.16	0.32 0.40 0.48 0.68	0.01 0.02 0.02 0.04
(2) KA-6030 mitigation filter (Verizon)	A	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.96 1.09 1.22 1.50	0.29 0.36 0.45 0.64	0.02 0.02 0.03 0.06
(2) SBNHH-1D65A (Verizon)	A	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.88 6.25 6.62 7.38	3.86 4.22 4.57 5.29	0.04 0.08 0.13 0.23
(2) SBNHH-1D65A (Verizon)	B	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.88 6.25 6.62 7.38	3.86 4.22 4.57 5.29	0.04 0.08 0.13 0.23
(2) SBNHH-1D65A (Verizon)	C	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.88 6.25 6.62 7.38	3.86 4.22 4.57 5.29	0.04 0.08 0.13 0.23
BXA-80080/6	A	From Face	4.00	0.0000	105.00	No Ice	7.57	3.76	0.03

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(Verizon)			0.00 0.00			1/2" Ice 1" Ice 2" Ice	8.02 8.47 9.40	4.19 4.63 5.53	0.07 0.11 0.22
BXA-80063/4 (Verizon)	B	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.71 5.03 5.35 6.02	2.25 2.55 2.85 3.49	0.02 0.05 0.08 0.16
BXA-80080/4 (Verizon)	C	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.80 5.12 5.45 6.13	2.84 3.15 3.47 4.09	0.02 0.05 0.09 0.17
MT6407-77A (Verizon)	A	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.69 4.98 5.28 5.89	1.84 2.06 2.29 2.77	0.08 0.11 0.14 0.22
MT6407-77A (Verizon)	B	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.69 4.98 5.28 5.89	1.84 2.06 2.29 2.77	0.08 0.11 0.14 0.22
MT6407-77A (Verizon)	C	From Face	4.00 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.69 4.98 5.28 5.89	1.84 2.06 2.29 2.77	0.08 0.11 0.14 0.22
Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	A	From Face	3.50 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	B	From Face	3.50 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	C	From Face	3.50 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.25 1.39 1.54 1.87	0.07 0.09 0.11 0.17
Samsung B5/B13 ORAN RRH (RF4440d-13A) (Verizon)	A	From Face	3.50 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
Samsung B5/B13 ORAN RRH (RF4440d-13A) (Verizon)	B	From Face	3.50 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
Samsung B5/B13 ORAN RRH (RF4440d-13A) (Verizon)	C	From Face	3.50 0.00 0.00	0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.87 2.03 2.21 2.59	1.13 1.27 1.41 1.72	0.07 0.09 0.11 0.16
RVZDC-3315-PF-48 OVP (Verizon)	A	None		0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.04 4.30 4.84	2.51 2.72 2.94 3.41	0.03 0.06 0.10 0.18
RVZDC-3315-PF-48 OVP (Verizon)	C	None		0.0000	105.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.79 4.04 4.30 4.84	2.51 2.72 2.94 3.41	0.03 0.06 0.10 0.18
14' low-profile platform (Verizon)	A	None		0.0000	105.00	No Ice 1/2" Ice	26.71 31.39	26.71 31.39	1.36 1.64

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						1" Ice	36.34	36.34	2.00
						2" Ice	45.43	45.43	2.48
3.5' L3x3 angle (Verizon)	A	None		0.0000	105.00	No Ice	1.57	1.57	0.02
						1/2" Ice	2.00	2.00	0.03
						1" Ice	2.43	2.43	0.04
						2" Ice	3.29	3.29	0.06
3.5' L3x3 angle (Verizon)	B	None		0.0000	105.00	No Ice	1.57	1.57	0.02
						1/2" Ice	2.00	2.00	0.03
						1" Ice	2.43	2.43	0.04
						2" Ice	3.29	3.29	0.06
3.5' L3x3 angle (Verizon)	C	None		0.0000	105.00	No Ice	1.57	1.57	0.02
						1/2" Ice	2.00	2.00	0.03
						1" Ice	2.43	2.43	0.04
						2" Ice	3.29	3.29	0.06
SitePro1 VZWSMART-PLK5 kicker kit (Verizon)	A	None		0.0000	105.00	No Ice	3.38	3.38	0.47
						1/2" Ice	5.06	5.06	0.62
						1" Ice	6.75	6.75	0.77
						2" Ice	10.13	10.13	1.07
(2) 6'x2 3/8" Pipe Mount (Verizon)	C	None		0.0000	105.00	No Ice	1.43	1.43	0.02
						1/2" Ice	1.92	1.92	0.03
						1" Ice	2.29	2.29	0.05
						2" Ice	3.06	3.06	0.09
13.5' x 2-7/8" pipe mount (Verizon)	A	None		0.0000	105.00	No Ice	4.03	4.03	0.11
						1/2" Ice	5.46	5.46	0.14
						1" Ice	6.91	6.91	0.17
						2" Ice	9.85	9.85	0.28
13.5' x 2-7/8" pipe mount (Verizon)	B	None		0.0000	105.00	No Ice	4.03	4.03	0.11
						1/2" Ice	5.46	5.46	0.14
						1" Ice	6.91	6.91	0.17
						2" Ice	9.85	9.85	0.28
13.5' x 2-7/8" pipe mount (Verizon)	C	None		0.0000	105.00	No Ice	4.03	4.03	0.11
						1/2" Ice	5.46	5.46	0.14
						1" Ice	6.91	6.91	0.17
						2" Ice	9.85	9.85	0.28
db Spectra DS7C09P36U-D	A	From Leg	0.50 0.00 7.00	0.0000	85.00	No Ice	3.55	3.55	0.07
						1/2" Ice	5.00	5.00	0.10
						1" Ice	6.46	6.46	0.13
						2" Ice	9.45	9.45	0.23
db Spectra DS7C09P36U-D	B	From Leg	0.50 0.00 7.00	0.0000	85.00	No Ice	3.55	3.55	0.07
						1/2" Ice	5.00	5.00	0.10
						1" Ice	6.46	6.46	0.13
						2" Ice	9.45	9.45	0.23
db Spectra DS7C09P36U-D	C	From Leg	0.50 0.00 7.00	0.0000	85.00	No Ice	3.55	3.55	0.07
						1/2" Ice	5.00	5.00	0.10
						1" Ice	6.46	6.46	0.13
						2" Ice	9.45	9.45	0.23
3' standoffs w/ HSS arms	A	None		0.0000	85.00	No Ice	1.30	1.30	0.03
						1/2" Ice	1.57	1.57	0.05
						1" Ice	1.86	1.86	0.06
						2" Ice	2.38	2.38	0.08
3' standoffs w/ HSS arms	B	None		0.0000	85.00	No Ice	1.30	1.30	0.03
						1/2" Ice	1.57	1.57	0.05
						1" Ice	1.86	1.86	0.06
						2" Ice	2.38	2.38	0.08
3' standoffs w/ HSS arms	C	None		0.0000	85.00	No Ice	1.30	1.30	0.03
						1/2" Ice	1.57	1.57	0.05
						1" Ice	1.86	1.86	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
						2" Ice	2.38	2.38	0.08
PTP400	A	From Leg	0.50 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.75 1.92 2.09 2.46	0.48 0.58 0.69 0.92	0.02 0.03 0.04 0.08
PTP400	B	From Leg	0.50 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.75 1.92 2.09 2.46	0.48 0.58 0.69 0.92	0.02 0.03 0.04 0.08
PTP400	C	From Leg	0.50 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.75 1.92 2.09 2.46	0.48 0.58 0.69 0.92	0.02 0.03 0.04 0.08
Transtector (1101-778 ALPU-ORT)	A	From Leg	0.50 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.25 0.31 0.39 0.56	0.13 0.19 0.25 0.39	0.00 0.00 0.01 0.02
Transtector (1101-778 ALPU-ORT)	C	From Leg	0.50 0.00 0.00	0.0000	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.25 0.31 0.39 0.56	0.13 0.19 0.25 0.39	0.00 0.00 0.01 0.02
4'x2 3/8" Pipe Mount	A	None		0.0000	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.11 1.36 1.90	0.87 1.11 1.36 1.90	0.01 0.02 0.03 0.06
4'x2 3/8" Pipe Mount	B	None		0.0000	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.11 1.36 1.90	0.87 1.11 1.36 1.90	0.01 0.02 0.03 0.06
4'x2 3/8" Pipe Mount	C	None		0.0000	80.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.11 1.36 1.90	0.87 1.11 1.36 1.90	0.01 0.02 0.03 0.06
4'x2 3/8" Pipe Mount	B	None		0.0000	72.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.87 1.11 1.36 1.90	0.87 1.11 1.36 1.90	0.01 0.02 0.03 0.06
DragonWave Horizon Compact + ODU	B	None		0.0000	72.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.69 0.80 0.91 1.16	0.32 0.40 0.48 0.68	0.01 0.02 0.02 0.04

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft^2	Weight K
14" dish	A	Paraboloid w/o Radome	From Leg	0.50 0.00 0.00	Worst		115.00	1.50	No Ice 1/2" Ice 1" Ice 2" Ice	1.77 1.97 2.18 2.64	0.03 0.05 0.06 0.09
3' dish with radome	B	Paraboloid w/Radome	From Leg	0.50 0.00	Worst		76.00	3.00	No Ice 1/2" Ice	7.07 7.47	0.08 0.11

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral / Vert (ft)	Azimuth Adjustment (°)	3 dB Beam Width (°)	Elevation (ft)	Outside Diameter (ft)		Aperture Area (ft^2)	Weight (K)
				0.00					1" Ice	7.86	0.15
									2" Ice	8.66	0.23
14" dish	B	Paraboloid w/o Radome	From Leg	0.50	Worst		73.00	1.50	No Ice	1.77	0.03
				0.00					1/2" Ice	1.97	0.05
				0.00					1" Ice	2.18	0.06
									2" Ice	2.64	0.09

Solution Summary

Maximum Tower Deflections - Service Wind

Section No.	Elevation (ft)	Horz. Deflection (in)	Gov. Load Comb.	Tilt (°)	Twist (°)
L1	137 - 88.75	15.925	55	0.9735	0.0008
L2	92.75 - 47.75	7.552	55	0.7527	0.0003
L3	52 - 1	2.377	55	0.4246	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation (ft)	Appurtenance	Gov. Load Comb.	Deflection (in)	Tilt (°)	Twist (°)	Radius of Curvature (ft)
137.00	PTP400	55	15.925	0.9735	0.0008	64186
136.00	AIR32 B66Aa/B2a	55	15.724	0.9693	0.0008	64186
115.00	14" dish	55	11.560	0.8774	0.0005	14587
112.00	(2) 3.5' L3x3 angle	55	10.987	0.8628	0.0005	12837
105.00	(2) KA-6030 mitigation filter	55	9.684	0.8265	0.0004	10028
85.00	db Spectra DS7C09P36U-D	55	6.325	0.6982	0.0002	6780
80.00	PTP400	55	5.590	0.6601	0.0002	6507
76.00	3' dish with radome	55	5.035	0.6283	0.0002	6304
73.00	14" dish	55	4.638	0.6038	0.0002	6159
72.00	4'x2 3/8" Pipe Mount	55	4.510	0.5955	0.0002	6113

Maximum Tower Deflections - Design Wind

Section No.	Elevation (ft)	Horz. Deflection (in)	Gov. Load Comb.	Tilt (°)	Twist (°)
L1	137 - 88.75	84.079	10	5.1447	0.0041
L2	92.75 - 47.75	39.867	10	3.9777	0.0014
L3	52 - 1	12.547	10	2.2420	0.0008

Critical Deflections and Radius of Curvature - Design Wind

Elevation (ft)	Appurtenance	Gov. Load Comb.	Deflection (in)	Tilt (°)	Twist (°)	Radius of Curvature (ft)
137.00	PTP400	10	84.079	5.1447	0.0041	12293

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
136.00	AIR32 B66Aa/B2a	10	83.016	5.1227	0.0040	12293
115.00	14" dish	10	61.030	4.6370	0.0026	2791
112.00	(2) 3.5' L3x3 angle	10	58.004	4.5599	0.0024	2456
105.00	(2) KA-6030 mitigation filter	10	51.123	4.3676	0.0020	1917
85.00	db Spectra DS7C09P36U-D	10	33.391	3.6890	0.0012	1292
80.00	PTP400	10	29.509	3.4874	0.0011	1239
76.00	3' dish with radome	10	26.578	3.3192	0.0010	1200
73.00	14" dish	10	24.485	3.1897	0.0010	1172
72.00	4'x2 3/8" Pipe Mount	10	23.808	3.1460	0.0010	1163

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	**137 - 88.75**	**Pole**	**TP30.22x23x0.1875**	**1**	**-12.26**	**1024.74**	**61.4**	**Pass**
L2	**88.75 - 47.75**	**Pole**	**TP36.36x29.2465x0.375**	**2**	**-21.65**	**2458.84**	**55.3**	**Pass**
L3	**47.75 - 1**	**Pole**	**TP43.36x34.9382x0.5**	**3**	**-38.29**	**3979.10**	**59.4**	**Pass**
							Summary	
						Pole (L1)	61.4	Pass
						RATING =	**61.4**	**Pass**

Program Version 8.1.1.0 - 6/3/2021 File:Z:/Shared/CT office/APT Files/VZ NE - 141 All Sites (fka CT)/Bloomfield 3 CT/Bloomfield 3 CT - CT141_12570/Engineering/Resources/Structure/Tower SA/REV 3 - Copy/tnxtower/CT141_12570 Bloomfield 3.ERI

Anchor Bolt and Base Plate Analysis (Grouped Bolts - Non-Grouted Base Plate):

Input Data:

Tower Reactions (1.2DL +1.0WL):

Overturning Moment =	$M_u := 2590 \cdot ft \cdot kips$	(Input From tnxTower)
Axial Force =	$R_u := 38 \cdot kips$	(Input From tnxTower)
Shear Force =	$V_u := 30 \cdot kips$	(Input From tnxTower)

Anchor Bolt Data:

Anchor Bolt Grade =	ASTM A615 Gr. 75	(User Input)
Number of Anchor Bolts =	$N := 16$	(User Input)
Bolt "Column" Distance =	$l_{ar} := 0.75\ in$	(Defined as anchor rod projection from supporting structure to bottom of leveling nut)
Bolt Ultimate Stress =	$F_{ub} := 100 \cdot ksi$	(User Input)
Bolt Yield Stress =	$F_{yb} := 75 \cdot ksi$	(User Input)
Bolt Modulus of Elasticity =	$E := 29000 \cdot ksi$	(User Input)
Nominal Diameter of Anchor Bolts =	$D := 2.25\ in$	(User Input)
Threads per Inch =	$n := 4.5$	(User Input)

Base Plate Data:

Base Plate Grade =	ASTM A572 Gr. 55	(User Input)
Plate Yield Strength =	$F_{yf} := 55 \cdot ksi$	(User Input)
Base Plate Thickness =	$t_{TP} := 3.00\ in$	(User Input)

Geometric Layout Data:

Distance from Bolts to Centroid of Pole:

$d_1 := 24.875 \cdot in$ (User Input)

$d_2 := 23.383 \cdot in$ (User Input)

$d_3 := 9.000 \cdot in$ (User Input)

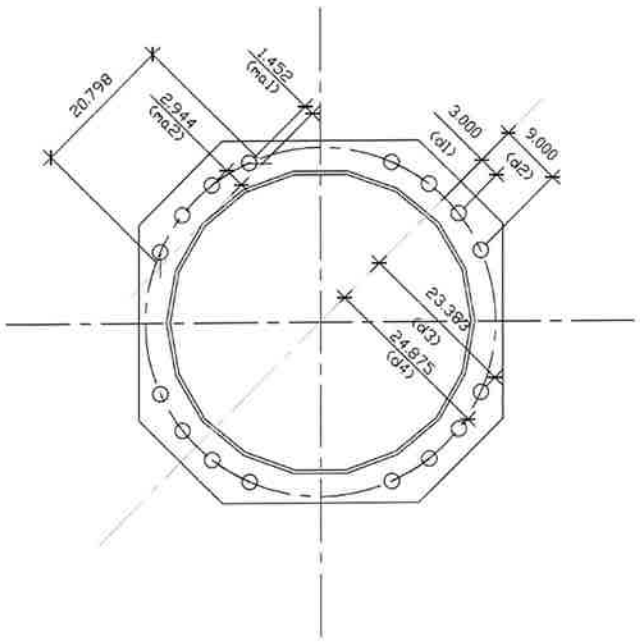
$d_4 := 3.000 \cdot in$ (User Input)

Critical Distances For Bending in Plate:

$ma_1 := 2.944 \cdot in$ (User Input)

$ma_2 := 1.452 \cdot in$ (User Input)

Base Plate Effective Bend Line Width = $B_{eff} := 20.798 \cdot in$ (User Input)



ANCHOR BOLT AND PLATE GEOMETRY

Anchor Bolt Analysis:

Calculated Anchor Bolt Properties:

Polar Moment of Inertia = $I_p := (d_1)^2 \cdot 4 + (d_2)^2 \cdot 4 + (d_3)^2 \cdot 4 + (d_4)^2 \cdot 4 = (5.022 \cdot 10^3)\ in^2$

Nominal Unthreaded Area of Bolt = $A_g := \frac{\pi}{4} \cdot D^2 = 3.976\ in^2$

Net Area of Bolt = $A_n := \frac{\pi}{4} \cdot \left(D - \frac{0.9743 \cdot in}{n}\right)^2 = 3.248\ in^2$

Tensile Root Diameter = $D_{rt} := D - \frac{0.9743 \cdot in}{n} = 2.033\ in$

Plastic Section Modulus of Bolt = $Z_x := \frac{D_{rt}^3}{6} = 1.401\ in^3$

Rod Radius of Gyration = $r := \frac{D_{rt}}{4} = 0.508\ in$

Rod Critical Compression Stress = $F_{cr} = 74.97\ ksi$

Check Anchor Bolt Tension Force:

Maximum Bolt Tension Force = $P_{ut} := \left(M_u \cdot \frac{d_1}{I_p} - \frac{R_u}{N}\right) = 151.6\ kips$

Maximum Bolt Compression Force = $P_{uc} := \left(M_u \cdot \frac{d_1}{I_p} + \frac{R_u}{N}\right) = 156.32\ kip$

Maximum Bolt Shear Force = $V_{ub} := \frac{V_u}{N} = 1.88\ kip$

Bolt Bending Moment = $M_{ub} := 0.65 \cdot V_{ub} \cdot l_{ar} = 0.914\ in \cdot kip$

Anchor Bolt Strengths:

Bolt Design Tension Strength = $\phi_t R_{nt} := 0.75 \cdot F_{ub} \cdot A_n = 243.58\ kip$

Bolt Design Compression Yield Strength = $\phi_c R_{nc} := 0.90 \cdot F_{yb} \cdot A_g = 268.39\ kip$

Bolt Design Shear Rupture Strength = $\phi_v R_{nv} := 0.75 \cdot 0.5 \cdot F_{ub} \cdot A_g = 149.1\ kip$

Bolt Design Shear Yield Strength = $\phi_c R_{nvc} := 0.90 \cdot 0.6 \cdot 0.75 \cdot F_{yb} \cdot A_g = 120.77\ kip$

Bolt Design Buckling Strength = $\phi_c R_{nb} := 0.90 \cdot F_{cr} \cdot A_g = 268.29\ kip$

Bolt Design Flexural Strength = $\phi_f M_n := 0.90\ F_{yb} \cdot Z_x = 94.6\ in \cdot kip$

Anchor Rod Usage =

$$Usage1 := \begin{cases} \text{if } l_{ar} \le 1.0 \cdot D \\ \quad \max\left[\left(\left(\frac{P_{ut}}{\phi_t R_{nt}}\right)^2 + \left(\frac{V_{ub}}{\phi_v R_{nv}}\right)^2\right), \left(\left(\frac{P_{uc}}{\phi_c R_{nc}}\right) + \left(\frac{V_{ub}}{\phi_c R_{nvc}}\right)^2\right)\right] \\ \text{also if } 1.0 \cdot D < l_{ar} \le 4.0 \cdot D \\ \quad \max\left[\left(\left(\left(\frac{P_{ut}}{\phi_t R_{nt}}\right) + \left(\frac{M_{ub}}{\phi_f M_n}\right)\right)^2 + \left(\frac{V_{ub}}{\phi_v R_{nv}}\right)^2\right), \left(\left(\frac{P_{uc}}{\phi_c R_{nc}}\right) + \left(\frac{M_{ub}}{\phi_f M_n}\right) + \left(\frac{V_{ub}}{\phi_c R_{nvc}}\right)^2\right)\right] \\ \text{else} \\ \quad \max\left[\left(\left(\left(\frac{P_{ut}}{\phi_t R_{nt}}\right) + \left(\frac{M_{ub}}{\phi_f M_n}\right)\right)^2 + \left(\frac{V_{ub}}{\phi_v R_{nv}}\right)^2\right), \left(\left(\frac{P_{uc}}{\phi_c R_{nb}}\right) + \left(\frac{M_{ub}}{\phi_f M_n}\right) + \left(\frac{V_{ub}}{\phi_c R_{nvc}}\right)^2\right)\right] \end{cases} = 0.58$$

Note:
Per TIA-222-H Section 4.9.9 when the anchor rod projection (lar) exceeds 1(d) but is not more than 3 in., it shall be permitted to consider (lar) less than or equal to 1(d) when 5,000 psi min. 7 day strength non shrink, non metallic grout is installed between the supporting structure and the leveling nuts, otherwise all interaction equations shall be investigated based on (lar).

Base Plate Analysis:

Force from Bolts =

$$P_{uc1} := \left(M_u \cdot \frac{d_1}{I_p} + \frac{R_u}{N}\right) = 156.32 \text{ kip}$$

$$P_{uc2} := \left(M_u \cdot \frac{d_2}{I_p} + \frac{R_u}{N}\right) = 147.08 \text{ kip}$$

Plate Plastic Section Modulus =

$$Z_p := \frac{B_{eff} \cdot t_{TP}^2}{4} = 46.8 \text{ in}^3$$

Plate Bending Moment =

$$M_p := 2 \cdot P_{uc1} \cdot ma_1 + 2 \cdot P_{uc2} \cdot ma_2 = 1347.52 \text{ in} \cdot \text{kip}$$

Available Plate Bending Strength =

$$\phi M_n := 0.90 \cdot F_{yf} \cdot Z_p = 2316.38 \text{ in} \cdot \text{kip}$$

Plate Flexural Usage =

$$Usage2 := \frac{M_p}{\phi M_n} = 0.58$$

Plate Thickness Required =

$$tTP := \sqrt{\frac{4 \cdot 2 \cdot P_{uc1} \cdot ma_1 + 2 \cdot P_{uc2} \cdot ma_2}{0.9 \cdot F_{yf} \cdot B_{eff}}} = 1.998 \text{ in}$$

Anchor Bolt and Base Plate Analysis Summary:

Anchor Bolt Usage (% of Capacity) = *Usage1* = 58%

Base Plate Bending Usage (% of Capacity) = *Usage2* = 58%

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LPile for Windows, Version 2022-12.009

Analysis of Individual Piles and Drilled Shafts
Subjected to Lateral Loading Using the p-y Method

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Files Used for Analysis

Path to file locations:
\Shared\CT office\APT Files\VZ NE - 141 All Sites (fka CT)\Bloomfield 3 CT\Bloomfield 3 CT - CT141_12570\Engineering\Resources\Structure\Tower SA\REV 3\Caisson\

Name of input data file:
Bloomfield 3 CT.lp12d

Name of output report file:
Bloomfield 3 CT.lp12o

Name of plot output file:
Bloomfield 3 CT.lp12p

Name of runtime message file:
Bloomfield 3 CT.lp12r

Date and Time of Analysis

Date: August 10, 2023 Time: 13:37:20

Problem Title

Project Name: Bloomfield 3 CT

Job Number: CT141_12570

Client: Verizon

Engineer: JRM

Description: Caisson Analysis

Program Options and Settings

Computational Options:
- Conventional Analysis

Engineering Units Used for Data Input and Computations:
- US Customary System Units (pounds, feet, inches)

Analysis Control Options:

- Maximum number of iterations allowed	=	999
- Deflection tolerance for convergence	=	1.0000E-05 in
- Maximum allowable deflection	=	100.0000 in
- Number of pile increments	=	100

Loading Type and Number of Cycles of Loading:
- Static loading specified

- Use of p-y modification factors for p-y curves not selected
- Analysis uses layering correction (Method of Georgiadis)
- No distributed lateral loads are entered
- Loading by lateral soil movements acting on pile not selected
- Input of shear resistance at the pile tip not selected
- Input of moment resistance at the pile tip not selected
- Computation of pile-head foundation stiffness matrix not selected
- Push-over analysis of pile not selected
- Buckling analysis of pile not selected

Output Options:
- Output files use decimal points to denote decimal symbols.
- Report only summary tables of pile-head deflection, maximum bending moment, and maximum shear force in output report file.
- No p-y curves to be computed and reported for user-specified depths
- Print using wide report formats

Pile Structural Properties and Geometry

Number of pile sections defined	=	1
Total length of pile	=	45.500 ft
Depth of ground surface below top of pile	=	5.5000 ft

Pile diameters used for p-y curve computations are defined using 2 points.

p-y curves are computed using pile diameter values interpolated with depth over the length of the pile. A summary of values of pile diameter vs. depth follows.

Point No.	Depth Below Pile Head feet	Pile Diameter inches
1	0.000	72.0000
2	45.500	72.0000

Input Structural Properties for Pile Sections:

Pile Section No. 1:

Section 1 is a round drilled shaft, bored pile, or CIDH pile

Length of section	=	45.500000 ft
Shaft Diameter	=	72.000000 in

Soil and Rock Layering Information

The soil profile is modelled using 2 layers

Layer 1 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer	=	5.500000 ft
Distance from top of pile to bottom of layer	=	10.500000 ft
Effective unit weight at top of layer	=	33.000000 pcf
Effective unit weight at bottom of layer	=	33.000000 pcf
Friction angle at top of layer	=	30.000000 deg.
Friction angle at bottom of layer	=	30.000000 deg.
Subgrade k at top of layer	=	60.000000 pci
Subgrade k at bottom of layer	=	60.000000 pci

Layer 2 is sand, p-y criteria by Reese et al., 1974

Distance from top of pile to top of layer	=	10.500000 ft
Distance from top of pile to bottom of layer	=	75.000000 ft
Effective unit weight at top of layer	=	39.000000 pcf
Effective unit weight at bottom of layer	=	39.000000 pcf
Friction angle at top of layer	=	22.000000 deg.
Friction angle at bottom of layer	=	22.000000 deg.
Subgrade k at top of layer	=	60.000000 pci
Subgrade k at bottom of layer	=	60.000000 pci

(Depth of the lowest soil layer extends 29.500 ft below the pile tip)

Summary of Input Soil Properties

Layer Num.	Soil Type Name (p-y Curve Type)	Layer Depth ft	Effective Unit Wt. pcf	Angle of Friction deg.	kpy pci
1	Sand	5.5000	33.0000	30.0000	60.0000
	(Reese, et al.)	10.5000	33.0000	30.0000	60.0000
2	Sand	10.5000	39.0000	22.0000	60.0000
	(Reese, et al.)	75.0000	39.0000	22.0000	60.0000

Static Loading Type

Static loading criteria were used when computing p-y curves for all analyses.

Pile-head Loading and Pile-head Fixity Conditions

Number of loads specified = 2

Load No.	Load Type	Condition 1	Condition 2	Axial Thrust Force, lbs	Compute Top y vs. Pile Length	Run Analysis
1	1	V = 29600. lbs	M = 31080000. in-lbs	38320.	Yes	Yes
2	1	V = 5640. lbs	M = 5891780. in-lbs	31930.	Yes	Yes

V = shear force applied normal to pile axis
M = bending moment applied to pile head
y = lateral deflection normal to pile axis
S = pile slope relative to original pile batter angle
R = rotational stiffness applied to pile head
Values of top y vs. pile lengths can be computed only for load types with specified shear loading (Load Types 1, 2, and 3).
Thrust force is assumed to be acting axially for all pile batter angles.

Computations of Nominal Moment Capacity and Nonlinear Bending Stiffness

Axial thrust force values were determined from pile-head loading conditions

Number of Pile Sections Analyzed = 1

Pile Section No. 1:

Dimensions and Properties of Drilled Shaft (Bored Pile):

Length of Section	=	45.500000 ft
Shaft Diameter	=	72.000000 in

Concrete Cover Thickness (to edge of long. rebar)	=	4.000000	in
Number of Reinforcing Bars	=	20	bars
Yield Stress of Reinforcing Bars	=	60000.	psi
Modulus of Elasticity of Reinforcing Bars	=	29000000.	psi
Gross Area of Shaft	=	4072.	sq. in.
Total Area of Reinforcing Steel	=	31.200000	sq. in.
Area Ratio of Steel Reinforcement	=	0.77	percent
Edge-to-Edge Bar Spacing	=	8.381233	in
Maximum Concrete Aggregate Size	=	0.750000	in
Ratio of Bar Spacing to Aggregate Size	=	11.17	
Offset of Center of Rebar Cage from Center of Pile	=	0.0000	in

Axial Structural Capacities:

Nom. Axial Structural Capacity = 0.85 Fc Ac + Fy As	=	12174.775	kips
Tensile Load for Cracking of Concrete	=	-1567.598	kips
Nominal Axial Tensile Capacity	=	-1872.000	kips

Reinforcing Bar Dimensions and Positions Used in Computations:

Bar Number	Bar Diam. inches	Bar Area sq. in.	X inches	Y inches
1	1.410000	1.560000	31.295000	0.00000
2	1.410000	1.560000	29.763314	9.670687
3	1.410000	1.560000	25.318187	18.394739
4	1.410000	1.560000	18.394739	25.318187
5	1.410000	1.560000	9.670687	29.763314
6	1.410000	1.560000	0.00000	31.295000
7	1.410000	1.560000	-9.67069	29.763314
8	1.410000	1.560000	-18.39474	25.318187
9	1.410000	1.560000	-25.31819	18.394739
10	1.410000	1.560000	-29.76331	9.670687
11	1.410000	1.560000	-31.29500	0.00000
12	1.410000	1.560000	-29.76331	-9.67069
13	1.410000	1.560000	-25.31819	-18.39474
14	1.410000	1.560000	-18.39474	-25.31819
15	1.410000	1.560000	-9.67069	-29.76331
16	1.410000	1.560000	0.00000	-31.29500
17	1.410000	1.560000	9.670687	-29.76331
18	1.410000	1.560000	18.394739	-25.31819
19	1.410000	1.560000	25.318187	-18.39474
20	1.410000	1.560000	29.763314	-9.67069

NOTE: The positions of the above rebars were computed by LPile

Minimum spacing between any two bars not equal to zero = 8.381 inches
between bars 17 and 18.

Ratio of bar spacing to maximum aggregate size = 11.17

Concrete Properties:

Compressive Strength of Concrete	=	3000. psi
Modulus of Elasticity of Concrete	=	3122019. psi
Modulus of Rupture of Concrete	=	-410.79192 psi
Compression Strain at Peak Stress	=	0.001634
Tensile Strain at Fracture of Concrete	=	-0.0001160
Maximum Coarse Aggregate Size	=	0.750000 in

Number of Axial Thrust Force Values Determined from Pile-head Loadings = 2

Number	Axial Thrust Force kips
1	31.930
2	38.320

Summary of Results for Nominal Moment Capacity for Section 1

Moment values interpolated at maximum compressive strain = 0.003
or maximum developed moment if pile fails at smaller strains.

Load No.	Axial Thrust kips	Nominal Mom. Cap. in-kip	Max. Comp. Strain	Max. Tens. Strain
1	31.930	54611.417	0.00300000	-0.01380582
2	38.320	54766.980	0.00300000	-0.01376112

Note that the values of moment capacity in the table above are not
factored by a strength reduction factor (phi-factor).

In ACI 318, the value of the strength reduction factor depends on whether
the transverse reinforcing steel bars are tied hoops (0.65) or spirals (0.75).

The above values should be multiplied by the appropriate strength reduction
factor to compute ultimate moment capacity according to ACI 318,
or the value required by the design standard being followed.

The following table presents factored moment capacities and corresponding bending stiffnesses computed for common resistance factor values used for reinforced concrete sections.

Axial Stiff. Load Ult Mom No. kip-in^2	Resist. Factor	Nominal Ax. Thrust kips	Nominal Moment Cap in-kips	Ult. (Fac) Ax. Thrust kips	Ult. (Fac) Moment Cap in-kips	Bend. at
1	0.65	31.930000	54611.	20.754500	35497.	
942153165.						
2	0.65	38.320000	54767.	24.908000	35599.	
945228836.						
1	0.75	31.930000	54611.	23.947500	40959.	
919284542.						
2	0.75	38.320000	54767.	28.740000	41075.	
922301887.						
1	0.90	31.930000	54611.	28.737000	49150.	
649285195.						
2	0.90	38.320000	54767.	34.488000	49290.	
652090740.						

Layering Correction Equivalent Depths of Soil & Rock Layers

Layer No.	Top of Layer Below Pile Head ft	Equivalent Top Depth Below Grnd Surf ft	Same Layer Type As Layer Above	Layer is Rock or is Below Rock Layer	F0 Integral for Layer lbs	F1 Integral for Layer lbs
1	5.5000	0.00	N.A.	No	0.00	22040.
2	10.5000	6.3949	Yes	No	22040.	N.A.

Notes: The F0 integral of Layer n+1 equals the sum of the F0 and F1 integrals for Layer n. Layering correction equivalent depths are computed only for soil types with both shallow-depth and deep-depth expressions for peak lateral load transfer. These soil types are soft and stiff clays, non-liquefied sands, and cemented c-phi soil.

Pile-head Deflection vs. Pile Length for Load Case 1

Boundary Condition Type 1, Shear and Moment

Shear = 29600. lbs
Moment = 31080000. in-lbs
Axial Load = 38320. lbs

Pile Length feet	Pile Head Deflection inches	Maximum Moment ln-lbs	Maximum Shear lbs
45.50000	3.17534911	34614612.	-142486.
43.22500	3.70871983	34560701.	-154417.
40.95000	4.62384070	34514164.	-167504.
38.67500	6.35313185	34532644.	-183675.
36.40000	11.20094607	34621666.	-210297.

Computed Values of Pile Loading and Deflection
for Lateral Loading for Load Case Number 2

Pile-head conditions are Shear and Moment (Loading Type 1)

Shear force at pile head = 5640.0 lbs
Applied moment at pile head = 5891780.0 in-lbs
Axial thrust load on pile head = 31930.0 lbs

Depth X feet	Deflect. y inches	Bending Moment in-lbs	Shear Force lbs	Slope S radians	Total Stress psi*	Bending Stiffness lb-in^2	Soil Res. Es*H lb/inch	Soil Spr. Lat. Load lb/inch	Distrib. p lb/inch
0.00	0.09171	5891780.	5640.	-4.73E-04	0.00	5.19E+12	0.00	0.00	0.00

* This analysis computed pile response using nonlinear moment-curvature relationships. Values of total stress due to combined axial and bending stresses are computed only for elastic sections only and do not equal the actual stresses in concrete and steel. Stresses in concrete and steel may be interpolated from the output for nonlinear bending properties relative to the magnitude of bending moment developed in the pile.

Output Summary for Load Case No. 2:

Pile-head deflection	=	0.09171110	inches
Computed slope at pile head	=	-0.0004731	radians
Maximum bending moment	=	6493132.	inch-lbs
Maximum shear force	=	-24485.	lbs
Depth of maximum bending moment	=	10.92000000	feet below pile head
Depth of maximum shear force	=	27.30000000	feet below pile head
Number of iterations	=	9	
Number of zero deflection points	=	1	
Pile deflection at ground	=	0.06301207	inches

Pile-head Deflection vs. Pile Length for Load Case 2

Boundary Condition Type 1, Shear and Moment

Shear	=	5640.	lbs
Moment	=	5891780.	in-lbs
Axial Load	=	31930.	lbs

Pile Length feet	Pile Head Deflection inches	Maximum Moment ln-lbs	Maximum Shear lbs
45.50000	0.09171110	6493132.	-24485.
43.22500	0.09882887	6482774.	-26148.
40.95000	0.11064248	6471232.	-28162.
38.67500	0.13172877	6462097.	-30753.
36.40000	0.17587795	6454835.	-34284.
34.12500	0.25587916	6446402.	-38236.
31.85000	0.40626183	6437493.	-42688.
29.57500	0.69685230	6429742.	-47676.
27.30000	1.31594494	6426637.	-53282.
25.02500	3.01347251	6435894.	-60450.
22.75000	9.09628070	6522786.	-71848.

Summary of Pile-head Responses for Conventional Analyses

Definitions of Pile-head Loading Conditions:

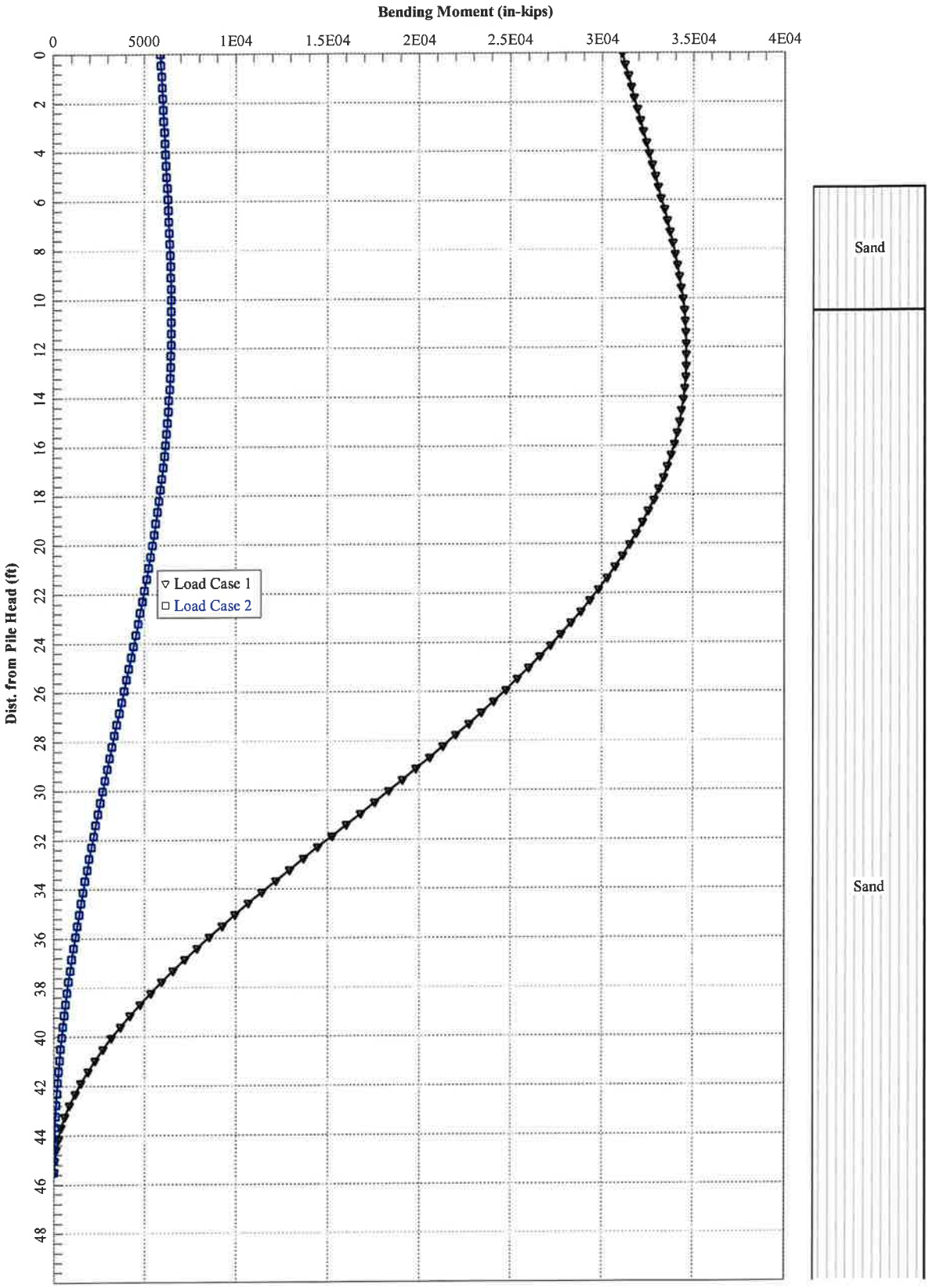
Load Type 1: Load 1 = Shear, V, lbs, and Load 2 = Moment, M, in-lbs
Load Type 2: Load 1 = Shear, V, lbs, and Load 2 = Slope, S, radians

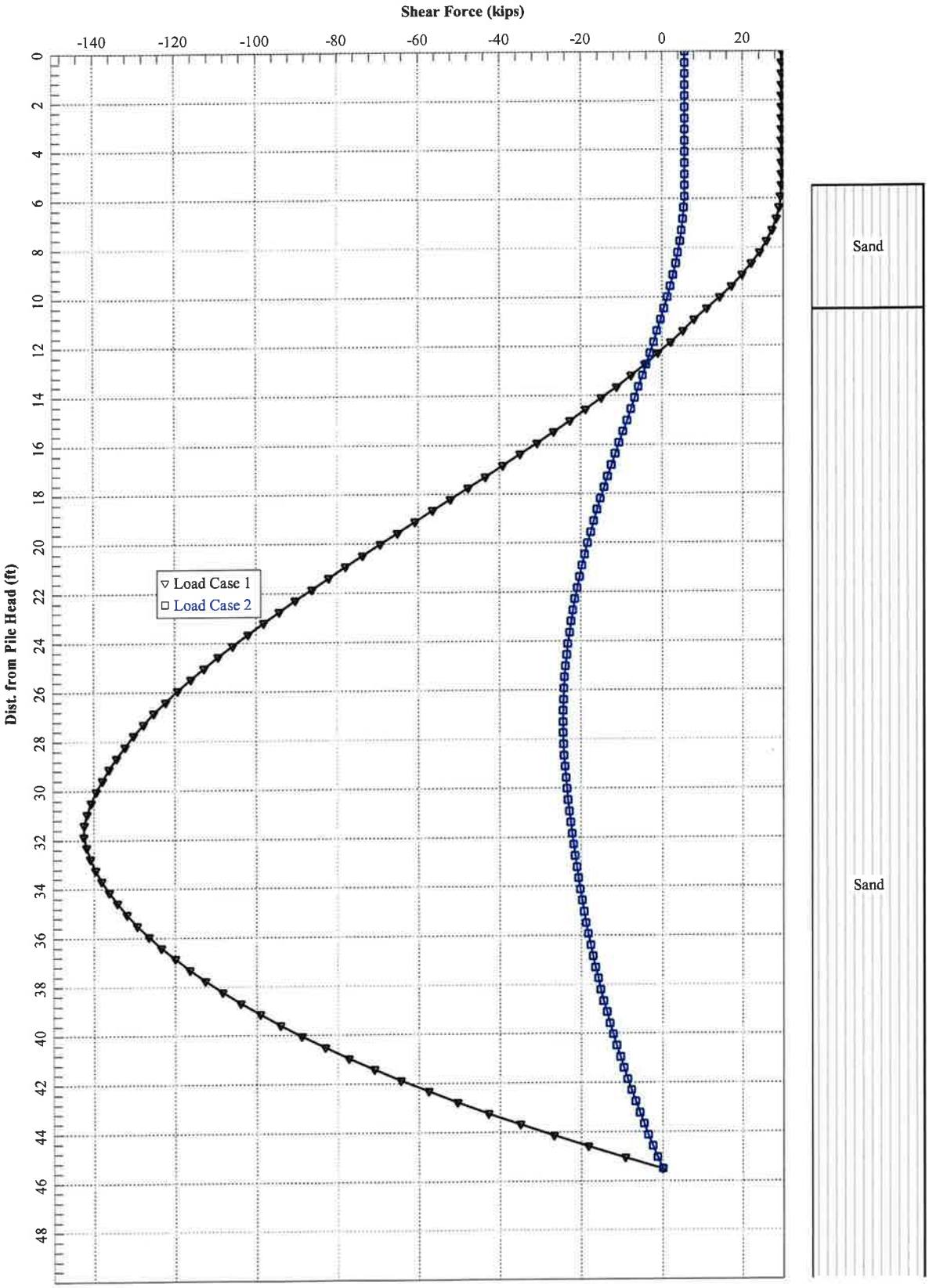
Load Type 3: Load 1 = Shear, V, lbs, and Load 2 = Rot. Stiffness, R, in-lbs/rad.
Load Type 4: Load 1 = Top Deflection, y, inches, and Load 2 = Moment, M, in-lbs
Load Type 5: Load 1 = Top Deflection, y, inches, and Load 2 = Slope, S, radians

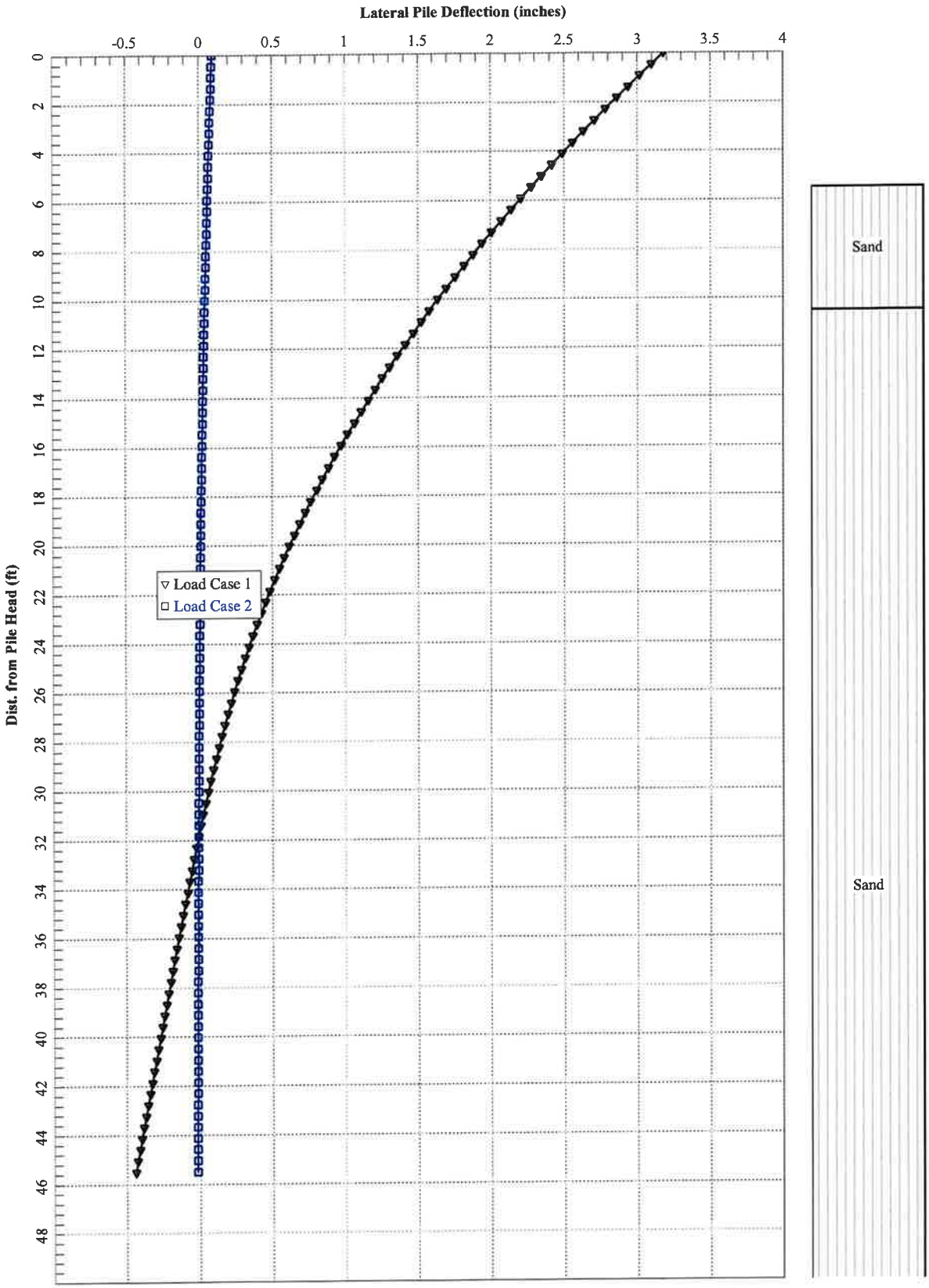
Load Case	Load Type	Load Pile-head	Load Type	Load Pile-head	Axial Loading	Pile-head Deflection	Pile-head Rotation	Max Shear in Pile	Max Moment in Pile
No.	1	Load 1	2	Load 2	lbs	inches	radians	lbs	in-lbs
1	V, lb	29600.	M, in-lb	3.11E+07	38320.	3.1753	-0.01484	-142486.	3.46E+07
2	V, lb	5640.	M, in-lb	5891780.	31930.	0.09171	-4.73E-04	-24485.	6493132.

Maximum pile-head deflection = 3.1753491064 inches
Maximum pile-head rotation = -0.0148374003 radians = -0.850120 deg.

The analysis ended normally.


Bending Moment (in-kips)
0
5000
1E04
1.5E04
2E04
2.5E04
3E04
3.5E04
4E04
Dist. from Pile Head (ft)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
Load Case 1
Load Case 2
Sand
Sand


Shear Force (kips)
-140
-120
-100
-80
-60
-40
-20
0
20
Dist. from Pile Head (ft)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
Load Case 1
Load Case 2
Sand
Sand


Lateral Pile Deflection (inches)
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
4
Dist. from Pile Head (ft)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
42
44
46
48
Load Case 1
Load Case 2
Sand
Sand

Colliers Engineering & Design
20 Alexander Drive, 2nd Floor
Wallingford, CT 06942
856.797.0412
peter.albano@collierseng.com

Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10203517
Colliers Engineering & Design Project #: 21777224 (Rev 1)

June 9, 2023

Site Information	*Site ID:*	*5000383112-VZW / BLOOMFIELD 3 CT*
	Site Name:	*BLOOMFIELD 3 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*785 New Park Ave* *Bloomfield, Connecticut 06002* *Hartford County*
	Latitude:	*41.828486°*
	Longitude:	*-72.733233°*
Structure Information	*Tower Type:*	*137-Ft Monopole*
	Mount Type:	*14.00-Ft Platform*

FUZE ID # 16272375

Analysis Results

Platform: **45.7% Pass w/ Modifications***

***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: Vincent DiGirolamo

Executive Summary:

The objective of this report is to summarize the analysis results of the antenna support mount including the proposed modifications at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards.

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS Site ID: 674845* *Dated April 20, 2023*
Construction Drawings	*All-Points Site Name: BLOOMFIELD 3 CT* *Dated August 6, 2021*
Mount Mapping Report	*RKS Design & Engineering, LLC Site ID: VZW:468782* *Dated October 24, 2021*
Previous Mount Analysis	*Maser Consulting Connecticut, Project #: 21777224A* *Dated November 3, 2021*
Mount Modification Drawings	*Colliers Engineering & Design Project #: 21777224* *Dated June 9, 2023*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.996
Seismic Parameters:	S_S:	0.181 g
	S_1:	0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

The following equipment has been considered for the analysis of the mount:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
105.00	105.00	1	Raycap	RVZDC-4520-RM-48	Added
		2	Raycap	RVZDC-3315-PF-48	
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Amphenol	BXA-80063-4BF-EDIN-0	Retained
		1	Amphenol Antel	BXA-80080-4CF-EDIN-0	
		1	Amphenol Antel	BXA-80080-6CF-EDIN-2	
		6	Andrew	SBNHH-1D65B	

Any proposed antennas note currently installed should be mounted such that the centerline of the antennas does not exceed 6 inches vertically from the center of the antenna mounts.

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
RC3DC-4750-PF-48	6	OVP-6
RHSDC-6627-PF-48	12	OVP-12

Standard Conditions:

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

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

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

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

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

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

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

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

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

8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

Analysis Results:

Component	Utilization %	Pass/Fail
Back Standoff HSS	*25.1*	*Pass*
Platform Angle	*45.7*	*Pass*
Mount Pipe	*37.2*	*Pass*
Front Standoff HSS	*16.4*	*Pass*
MOD Support Rail	*10.1*	*Pass*
MOD Corner Angle	*15.7*	*Pass*
MOD Kicker	*9.2*	*Pass*
Mount Connection	*14.5*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**45.7%**

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	37.6	37.6	52.6	52.6
0.5	47.3	47.3	68.5	68.5
1	56.2	56.2	83.7	83.7

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 4 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mounts will be **SUFFICIENT** for the final loading configuration (attachment 2) after the modifications detailed in attachment 3 are successfully completed.

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 PMI Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Modification Drawings
4. Mount Photos
5. Mount Mapping Report (for reference only)
6. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

PSLC #: 5000383112 SMART Project #: 10203517 Fuze Project ID: 16272375

Purpose – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor 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 modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

Base Requirements:

- If installation of the modification 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 drawings" showing contractor's name, 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 post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is 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 of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation of modifications. Each entire sector must 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.
- Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by the SMART Tool vendor.
    - If the materials are as specified on the drawings
        - The contractor shall provide the packing list, or the materials certifications for the materials utilized to perform the mount modification
        - Commscope, Metrosite, Perfect Vision, Sabre, and Site Pro have all agreed to support Verizon vendors with the necessary material certifications
    - If seeking permission to use an equivalent
        - It is required that the SMART Tool engineering vendor approval of such is included in the contractor submission package. There may be an additional charge for approval if the equivalent submission doesn't meet specifications as prescribed in the drawings.

☐ All hardware has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings 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.

Antenna & Equipment Placement and Geometry Confirmation:

☐ 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.

Comments:

Was the mount modification completed in conjunction with the equipment change / installation?

☐ Yes ☐ No

Special Instructions / Validation as required from the MA or Mod Drawings:

Issue:

Contractor shall inspect climbing facilities and safety climb and ensure they are in good condition. Contractor shall install safety climb wire rope guides in locations where wire rope is rubbing against the mount or mount-to-tower connection steel. Wire brush clean any observed corrosion and protect with two (2) coats of cold galvanization (Zinga or Zinc Kote). Contractor shall provide photos of wire rope guide installation as part of PMI documents. Contact EOR if additional guidance is required.

Contractor shall inspect all mount bolts and replace any damaged or missing members as needed.

Response:

Special Instruction Confirmation:

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

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

Comments:

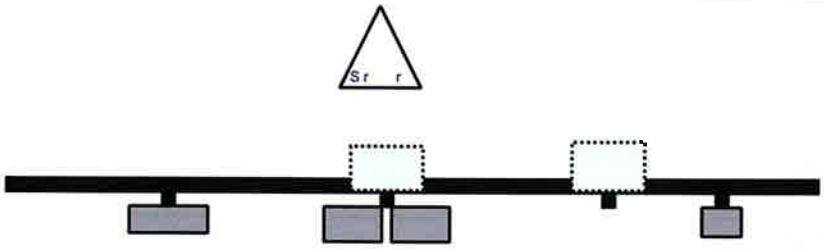
Certifying Individual:

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

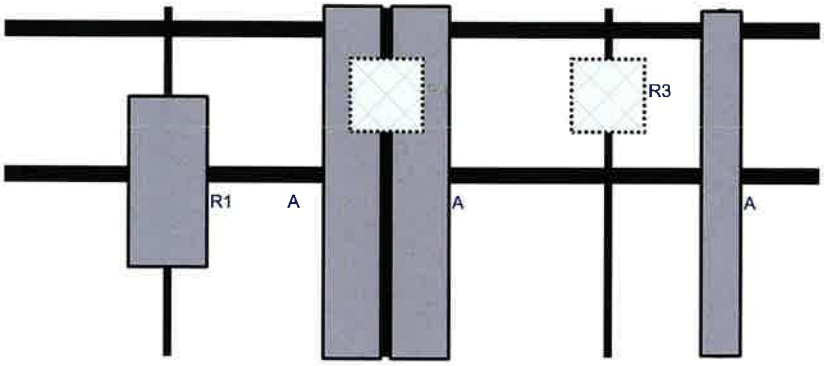
Structure: 5000383112-VZW - BLOOMFIELD 3 CT

S r	**A**	2 23
Sr r T	M	1 2 351
M E	1 5.	P 1

Plan View



Front View - L Sr r



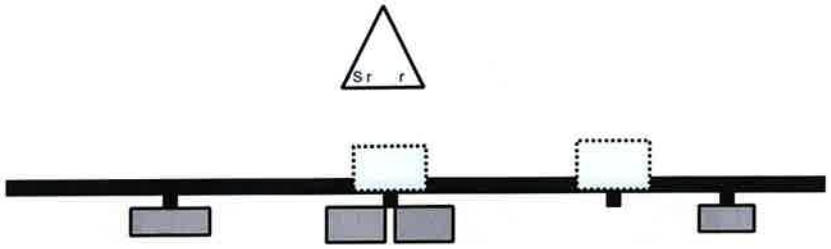
4 3 2 1

R	M d		d	D r L.	P P	P P	A r T.	.A O	A S	d
A	B A ED 2	1		14 . 5	1	r	3		R d	1 24 2 21
R3	**R 443 d 25A**	**15**	**15**	**124.5**	**2**	**B d**	**1**		**Add d**	
A	SB 1D 5B	2.	11.	. 5	3	r	3		R d	1 24 2 21
A	SB 1D 5B	2.	11.	. 5	3	r	3		R d	1 24 2 21
R4	R 444 d 13A	15	15	. 5	3	B d	1		Add d	
R1	**MT 4 A**	**35.1**	**1 .1**	**33. 5**	**4**	**r**	**3**		**Add d**	

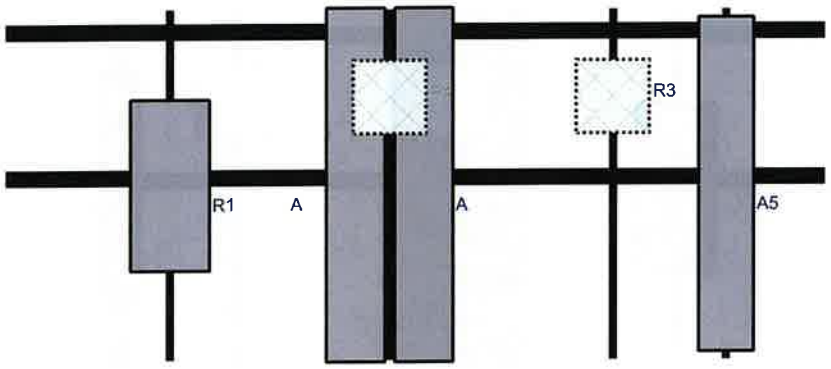
Structure: 5000383112-VZW - BLOOMFIELD 3 CT

S r	**B**		2 23
Sr r T	M	1 2 351	
M E	1 5.		P 2

Plan View



Front View - L Sr r



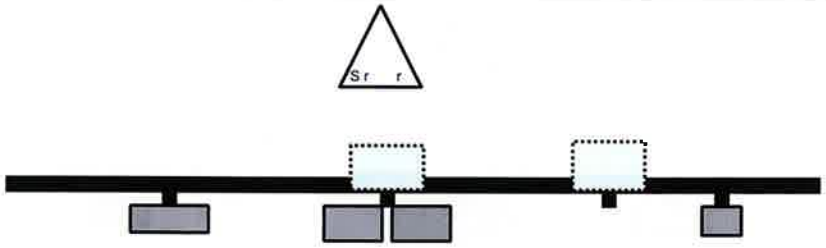
4 3 2 1

R	M d		d	D r L.	P P	P P	A r T.	.A O	A S	d
A5	B A 3 4B ED	.	11.2	14 . 5	1	r	3		R d	1 24 2 21
R3	**R 443 d 25A**	**15**	**15**	**124.5**	**2**	**B d**	**1**		**Add d**	
A	SB 1D 5B	2.	11.	. 5	3	r	3		R d	1 24 2 21
A	SB 1D 5B	2.	11.	. 5	3	r	3		R d	1 24 2 21
R4	R 444 d 13A	15	15	. 5	3	B d	1		Add d	
R1	**MT 4 A**	**35.1**	**1 .1**	**33. 5**	**4**	**r**	**3**		**Add d**	

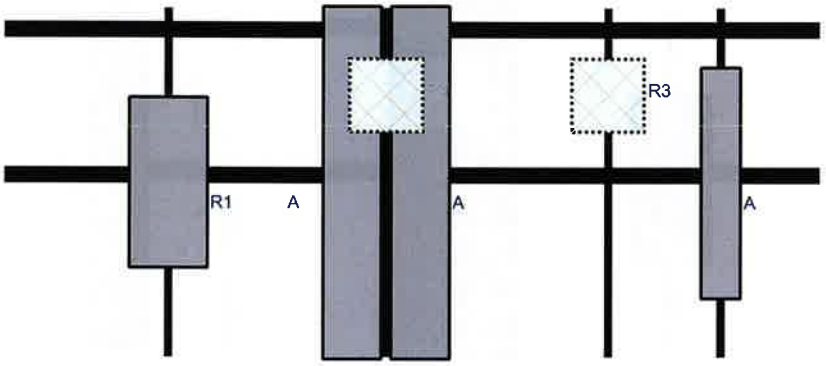
Structure: 5000383112-VZW - BLOOMFIELD 3 CT

S r	C		2 23
Sr r T	M	1 2 351	
M E	1 5.		P 3

Plan View



Front View - L Sr r



4 3 2 1

R	M d		d	D r L.	P P	P P	A r T.	.A O	A S	d
A	B A 4 ED	4 .5		14 . 5	1	r	3		R d	1 24 2 21
R3	**R 443 d 25A**	**15**	**15**	**124.5**	**2**	**B d**	**1**		**Add d**	
A	SB 1D 5B	2.	11.	. 5	3	r	3		R d	1 24 2 21
A	SB 1D 5B	2.	11.	. 5	3	r	3		R d	1 24 2 21
R4	R 444 d 13A	15	15	. 5	3	B d	1		Add d	
R1	**MT 4 A**	**35.1**	**1 .1**	**33. 5**	**4**	**r**	**3**		**Add d**	

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 14.00' PLATFORM

TOWER OWNER: N/A
TOWER OWNER SITE NUMBER: N/A

CARRIER SITE NAME: BLOOMFIELD 3 CT
CARRIER SITE NUMBER: 5000383112
FUZE ID: 16272375

785 NEW PARK AVE
BLOOMFIELD, CT 06002
HARTFORD COUNTY

LATITUDE: 41.828486° N
LONGITUDE: 72.733233° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 118.67'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.50 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_s = 0.181
LONG TERM MCER GROUND MOTION, S_1 = 0.055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856.797.0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10203517
VZW LOCATION CODE (PSLC): 5000383112
ANALYSIS DATE: 6/9/2023

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SGN-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTOS
	SPECIFICATION SHEETS

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SCALE: AS SHOWN
DRAWING NO: 21777224

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	6/9/23	ISSUED FOR CONSTRUCTION	MD	PMA
0	11/10/21	ISSUED FOR CONSTRUCTION	MT	PMA

COLLIERS ENGINEERING & DESIGN CT, P.C.
CT PC 0001151

SITE NAME:

BLOOMFIELD 3 CT
5000383112
785 NEW PARK AVE
BLOOMFIELD, CT 06002
HARTFORD COUNTY

Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.2000
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

TITLE SHEET

ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
2		VZWSMART-MSK3D	PIPE TO PIPE CLAMPS		42	84
2		VZWSMART-P40-238X072	72" LONG, PIPE 2 STD (2.375"OD X 0.154" THK)		22	44
12		VZWSMART-MSK1	CROSSOVER PLATE		14	168
3		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	102
3		VZWSMART-P40-238X048	48" LONG, PIPE 2 SCH40 (2.375"OD X 0.154" THK)		15	45

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	162" LONG, P2 1/2 STD PIPE	GALVANIZED.	79	237
3	-	-	30" LONG, L3x3x1/4 ANGLE	GALVANIZED. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	13	39
6	-	-	6" LONG, HSS3x3x1/4 SHIM	GALVANIZED.	5	30
					TOTAL:	1280

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

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BLOOMFIELD 3 CT
5000383112

785 NEW PARK AVE
BLOOMFIELD, CT 06002
HARTFORD COUNTY

BILL OF MATERIALS

SBOM-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
   PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

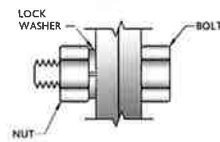
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8

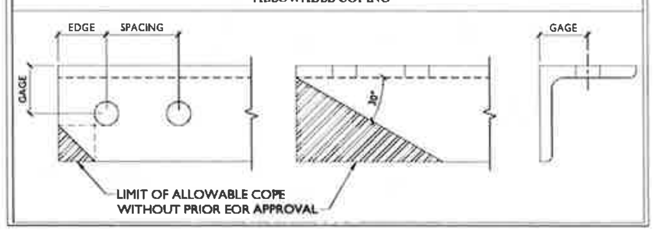


TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.

ALLOWABLE COPING



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BLOOMFIELD, CT 06002
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Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901

MODIFICATION NOTES

SGN-1

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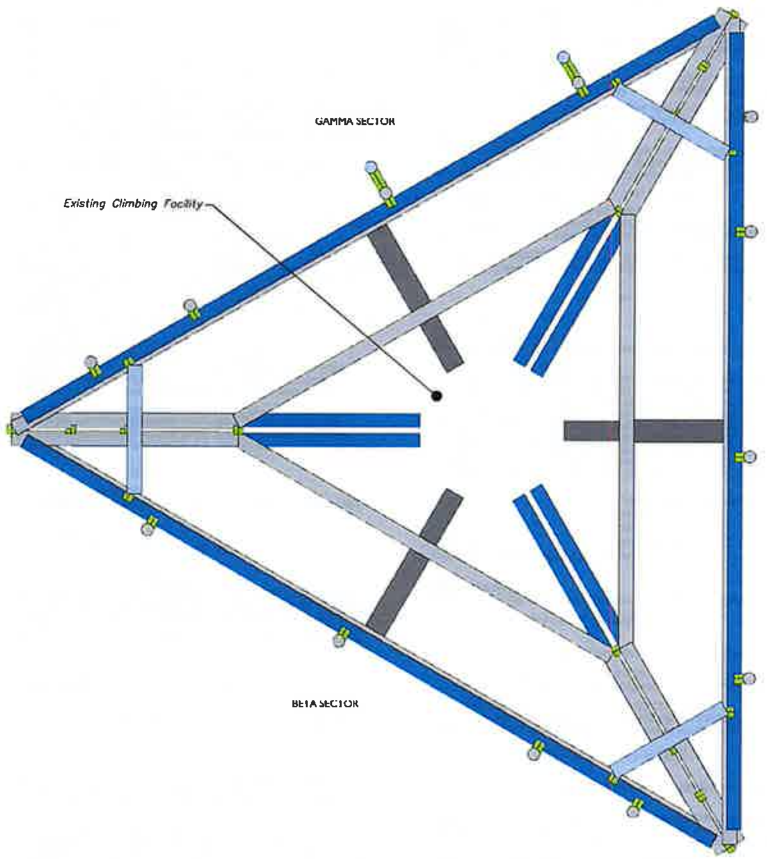
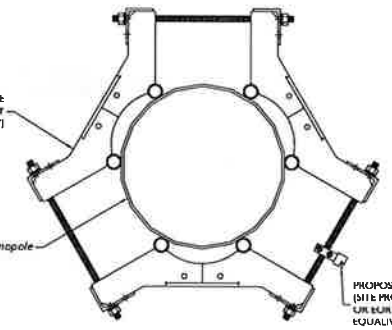


(1) CLIMBING FACILITY LOCATION
SCALE : N.T.S.



(2) PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW
SCALE : N.T.S.

CLIMBING FACILITY PHOTO

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING, LLC ON 10/24/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (104'-0") ARE IN GOOD CONDITION. MASER CONSULTING DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

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STAMFORD
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Phone: 203.324.0800

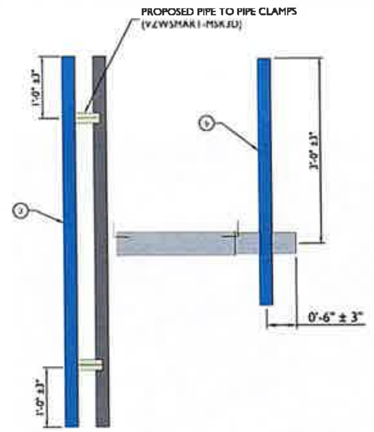
CLIMBING FACILITY DETAIL

SCF-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

LEGEND:

- PROPOSED
- RELOCATED
- EXISTING



1 PROPOSED PIPE TO PIPE CLAMP DETAIL

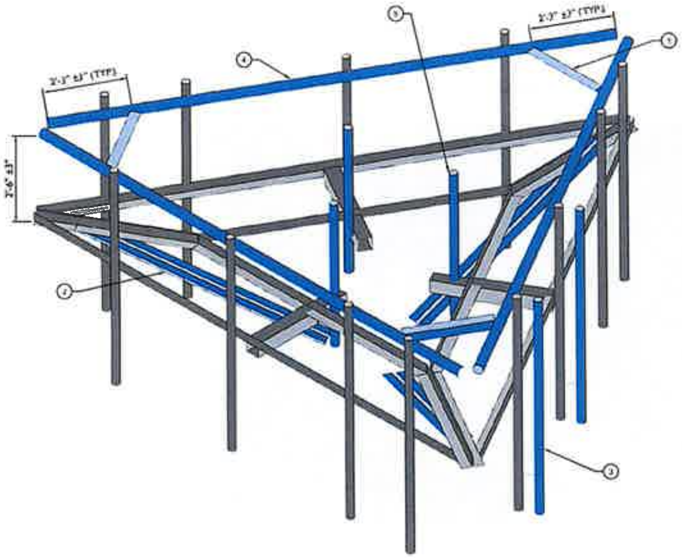
SCALE : N.T.S.

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	105'-0"	3	PROPOSED SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) WITH PROPOSED L3X3X1/4 ANGLE.	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5))	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). CONNECT KICKER KIT TO THE PLATFORM ANGLES USING 6" LONG, HSS3x3x1/4 SHIM. REFER TO DETAIL 4 ON SHEET SS-1.
3		2	PROPOSED 72" LONG, P2 STD (PART #: VZWSMART-P40-23BX072)	CONNECT NEW MOUNT PIPE TO THE EXISTING MOUNT PIPES IN POSITION 3 AND 4 ON GAMMA SECTOR WITH PROPOSED PIPE TO PIPE CLAMPS (VZWSMART-MSK3D). REFER TO DETAIL 1 ON SHEET SS-1.
4		3	30" LONG, L3x3x1/4 ANGLE	RADIO AND/OR THE POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
5		3	48" LONG, PIPE 2 SCH40	CONNECT NEW OVP PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).

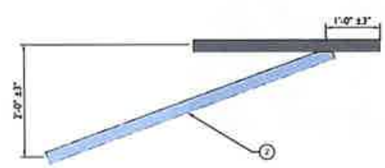
NOTES:

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
CONTRACTOR SHALL INSPECT ALL MOUNT BOLTS AND REPLACE ANY MISSING OR DAMAGED MEMBERS.



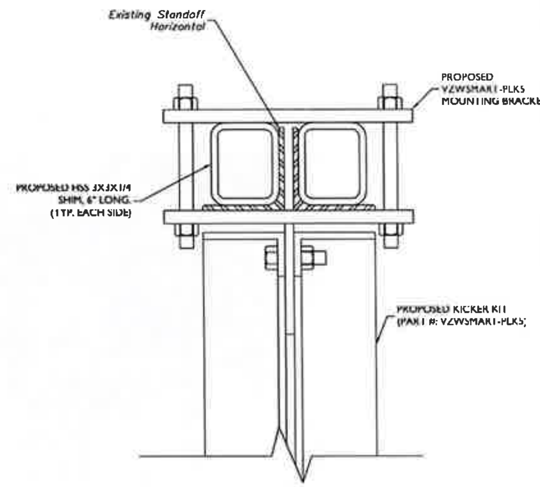
2 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



3 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.



4 KICKER TO STANDOFF CONNECTION DETAIL

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MODIFICATION DETAILS

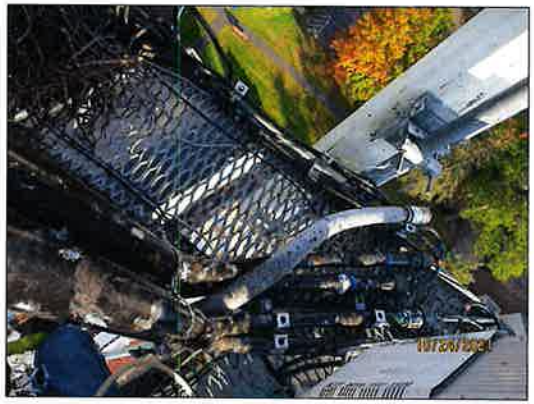
SS-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3



MOUNT PHOTO 4

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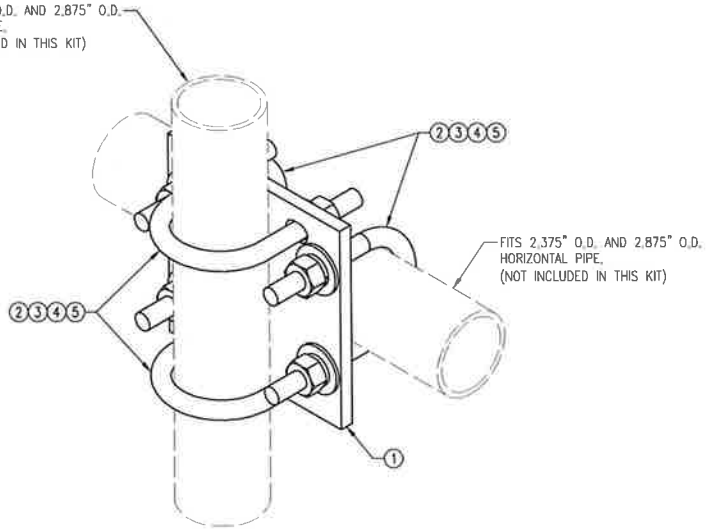
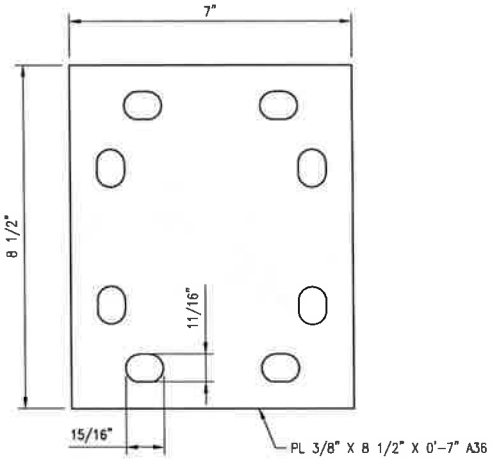
MOUNT PHOTOS

SS-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.





PL375-857

VZWSMART-MSK1 (CROSSOVER PLATE)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

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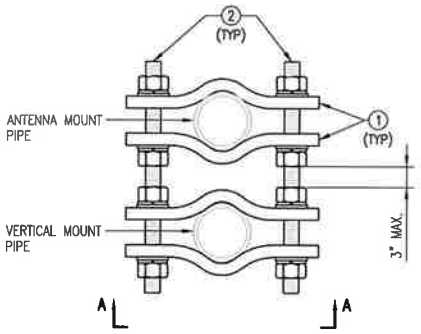
verizon

DRAWN BY H.R	CHECKED BY: HMA

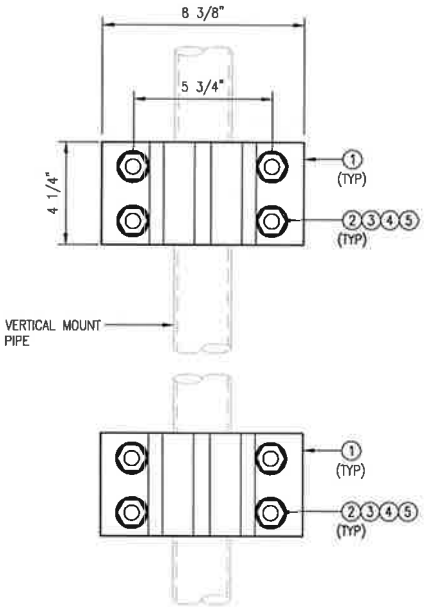
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-MSK1
CROSSOVER PLATE

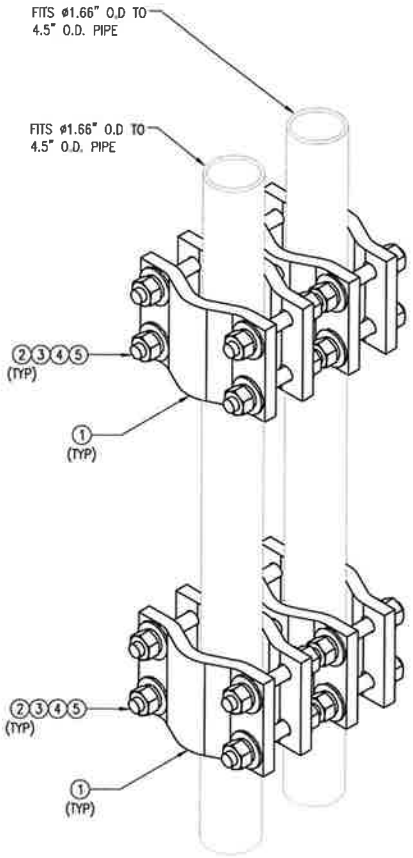
SHEET NUMBER:	REV #
VZWSMART-MSK1	0



PIPE TO PIPE CLAMPS
PLAN VIEW



SECTION "A-A"



PIPE TO PIPE CLAMPS
ISOMETRIC VIEW

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 4.5" O.D. PIPE

VZWSMART-MSK3D (PIPE TO PIPE CLAMPS)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	8	V-CLAMP	PL 1/2" X 4 1/4" X 8 5/8" A36 BEND PLATE	MSK3D-F1	42
2	8	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	--
3	32	FW-625	5/8" HDG USS FLAT WASHER	---	3
4	32	LW-625	5/8" HDG LOCK WASHER	---	1
5	32	NUT-625	5/8" HDG HEX NUT	---	4
				GALVANIZED WT	42

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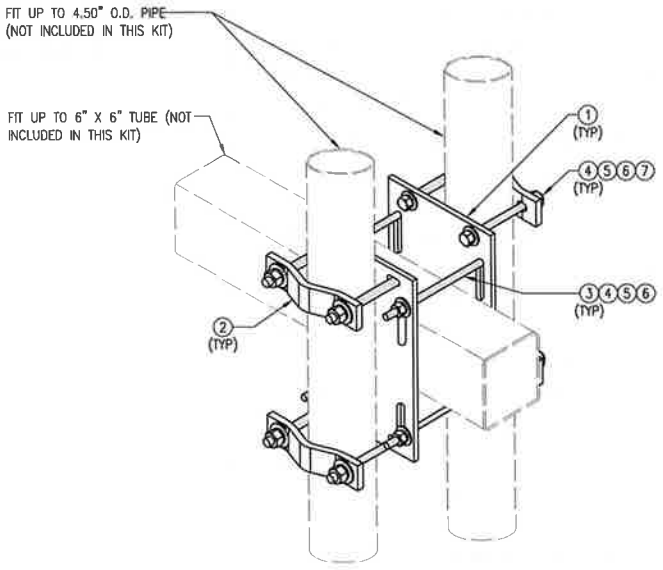
DRAWN BY BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/08/20

SHEET TITLE:
VZWSMART-MSK3D
PIPE TO PIPE CLAMPS

SHEET NUMBER: VZWSMART-MSK3D

REV #: 0



ISOMETRIC VIEW
BACK TO BACK CROSSOVER

VZWSMART–MSK6 (VZWSMART–MSK6 – BACK TO BACK CROSSOVER)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	PL375–8512	PL 3/8" X 8 1/2" X 1'–0" A36	MSK6–F2	20.7
2	4	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6–F1	9.6
3	4	---	THREADED ROD 5/8" DIA. X 10" F1554–36 HDG	---	---
4	16	NUT–625	5/8" HDG HEX NUT	---	2
5	16	FW–625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW–625	5/8" HDG LOCK WASHER	---	0
7	8	---	BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD	---	1
				GALVANIZED WT	34

NOTES:
1. HOT–DIPPED GALVANIZED PER ASTM A123.

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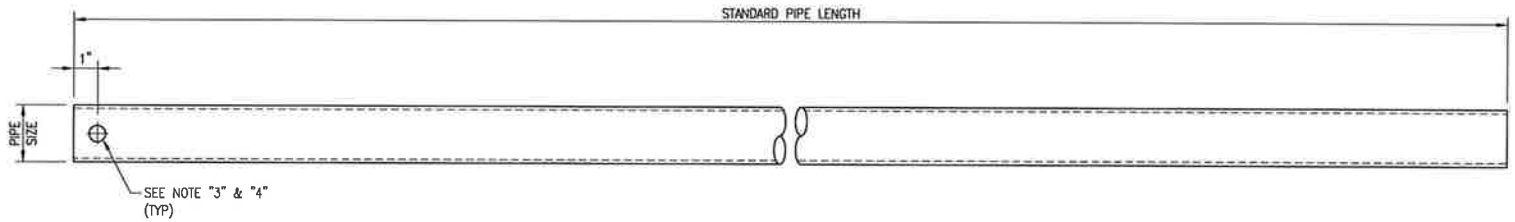
DRAWN BY: SK | CHECKED BY: BT/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	SK	05/08/20
1			
2			
3			
4			

SHEET TITLE:
VZWSMART–MSK6
BACK TO BACK
CROSSOVER

SHEET NUMBER: VZWSMART–MSK6 | REV # 0



VZWSMART Standard Pipe		
VZWSMART Number	**Size**	**Length**
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

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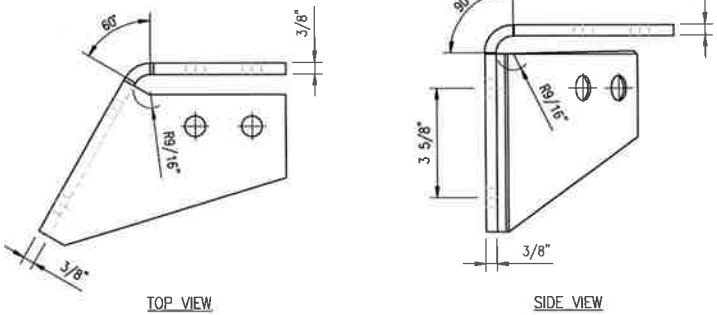
DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

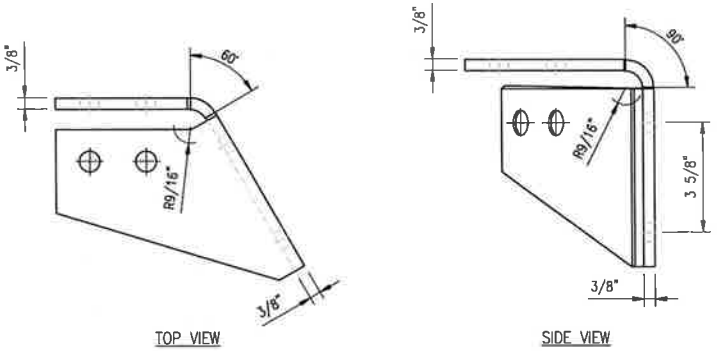
SHEET TITLE:
VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE | REV #: 0



TOP VIEW — SIDE VIEW

CBP–L



TOP VIEW — SIDE VIEW

CBP–R

NOTES:
1. HOT–DIPPED GALVANIZED PER ASTM A123.

VZWSMART–PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP–L	CORNER BENT PLATE BRACKET	PLK3–F1	9
2	1	CBP–R	CORNER BENT PLATE BRACKET	PLK3–F1	9
3	4	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW–625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW–625	5/8" HDG LOCK WASHER	---	0
7	16	NUT–625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

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DRAWN BY: H.R | CHECKED BY: HMA

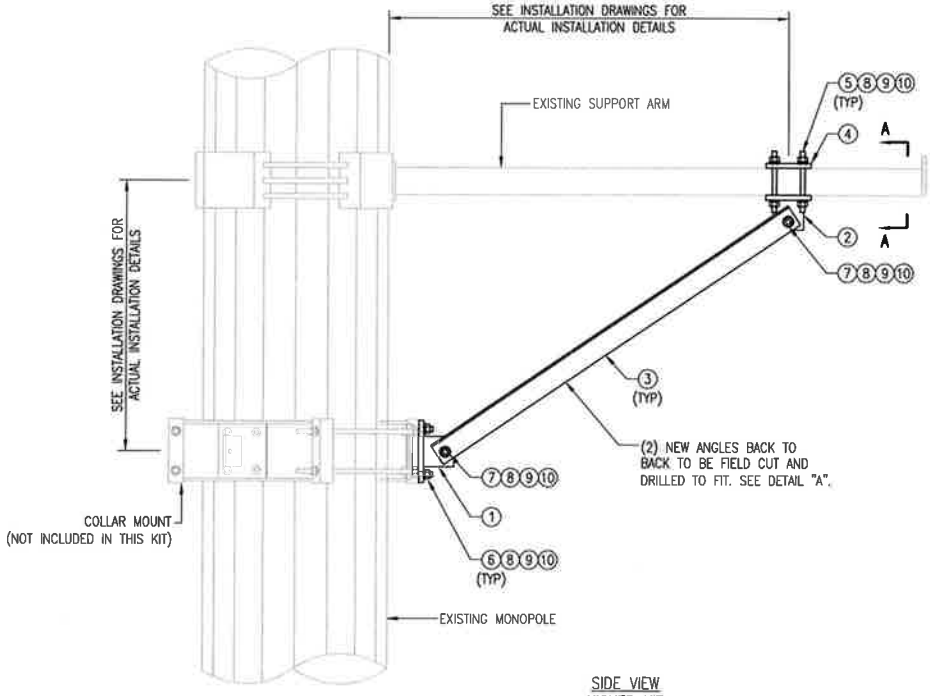
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART–PLK3
SUPPORT RAIL CORNER
BRACKET

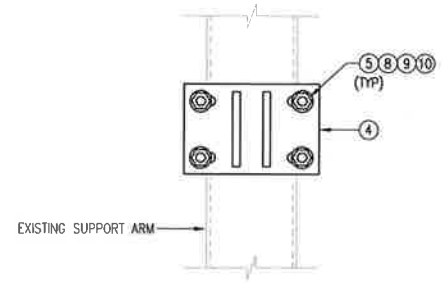
SHEET NUMBER: VZWSMART–PLK3

REV #: 0

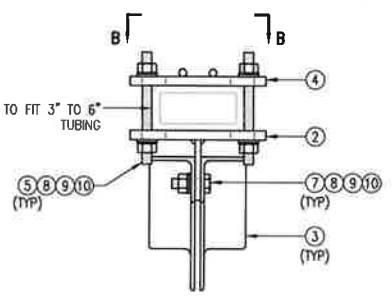
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



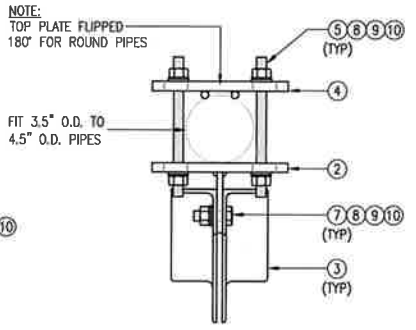
SIDE VIEW
KICKER KIT



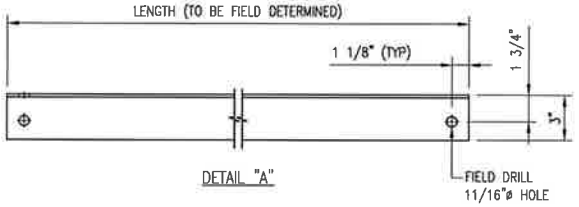
SECTION "B–B"



SECTION "A–A"
RECT. HSS MOUNTING



SECTION "A–A"
ROUND PIPE MOUNTING



VZWSMART–PLK5 (KICKER KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW–XXX	BRACKET WELDMENT A36	PLK5–F3	43.8
2	3	BRKW–XXXX	BRACKET WELDMENT A36	PLK5–F2	35.7
3	6	L331875–8	L 3" X 3" X 3/16" X 8'–0" A36	PLK5–F4	182.9
4	3	PL–KI	PL 5/8" X 6" X 9" A36	PLK5–F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW–625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW–625	5/8" HDG LOCK WASHER	---	1
10	42	NUT–625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

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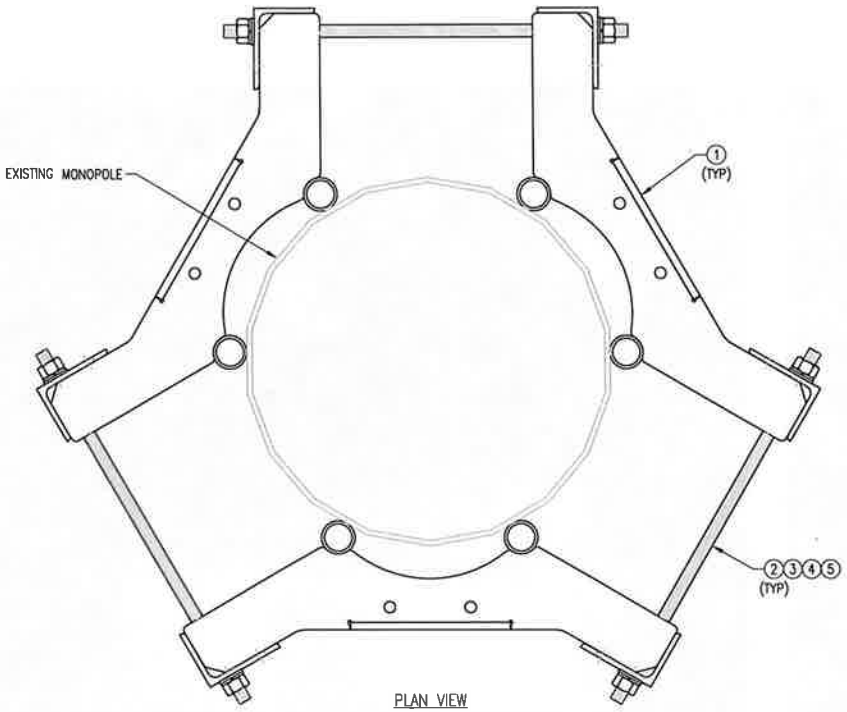
DRAWN BY: MN | CHECKED BY: HMA/KW

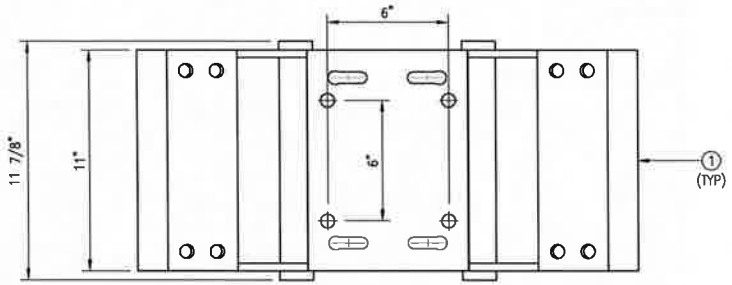
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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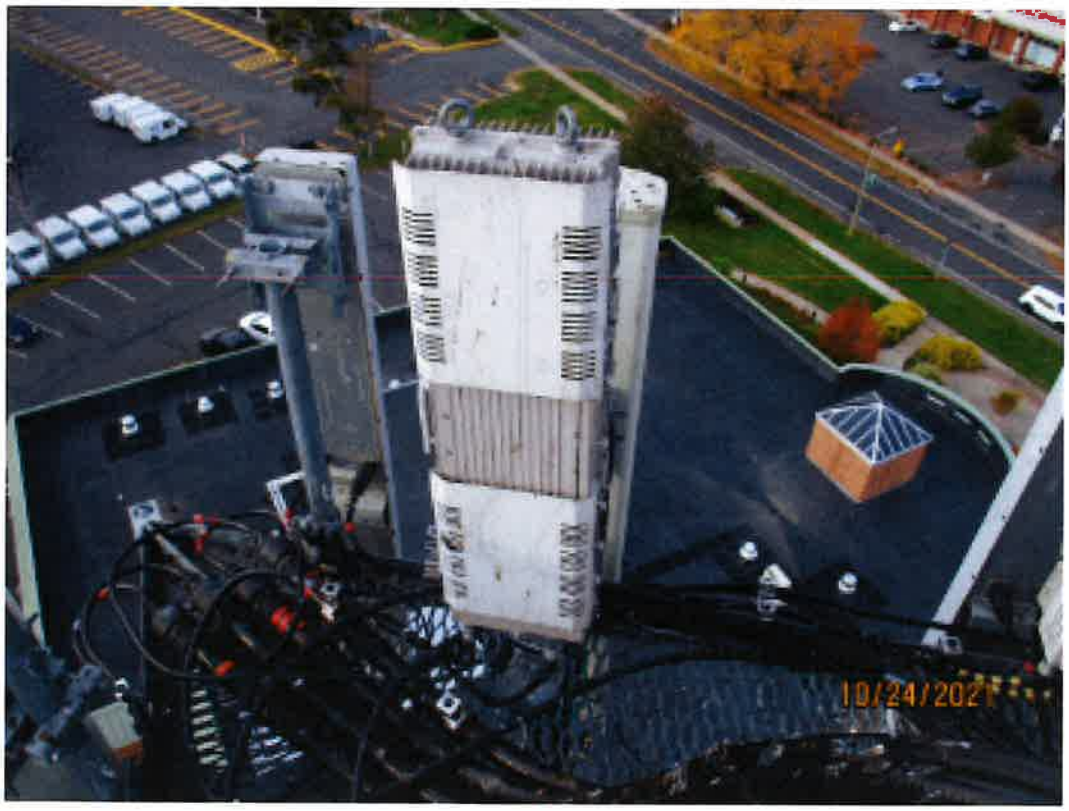
DRAWN BY BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7 | REV # 0


10/24/2021

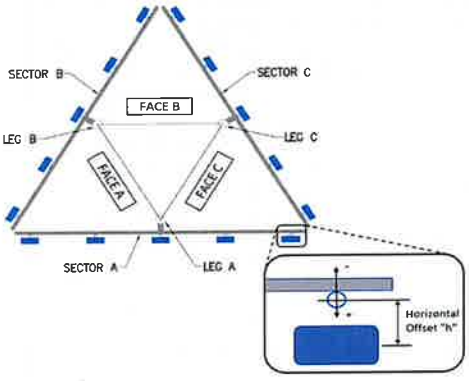
V4.0 Updated on 3-31-2021

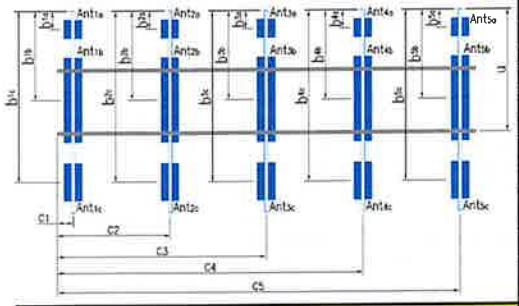
Antenna Mount Mapping Form (PATENT PENDING)

FCC #: UNKNOWN

Tower Owner:	UNKNOWN	Mapping Date:	10/24/2021
Site Name:	VZW: Bloomfield 3 CT	Tower Type:	Monopole
Site Number or ID:	VZW: 468782	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	104

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	20.25	C1	PIPE 2.875"Ø X 0.15" X 72" LONG	34.50	20.25
A2	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	43.50	C2	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	43.50
A3	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	89.25	C3	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	89.25
A4	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	134.25	C4	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	134.25
A5				C5			
A6				C6			
B1	PIPE 2.875"Ø X 0.15" X 72" LONG	34.50	20.25	D1			
B2	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	43.50	D2			
B3	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	89.25	D3			
B4	PIPE 2.375"Ø X 0.15" X 72" LONG	34.50	134.25	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	4.75
Please enter additional infomation or comments below.	

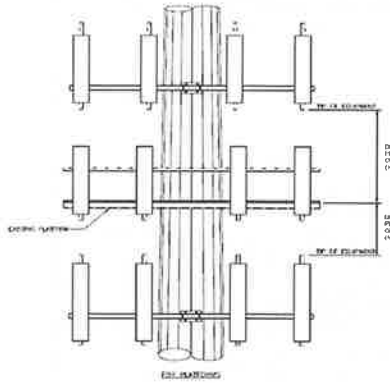
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	27.75
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			

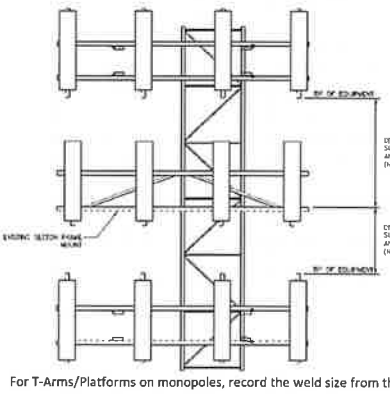
	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances "b_{1a}, b_{2a}, b_{3a}, b_{1b} ..." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	BXA-80080-6CF-EDIN	8.00	6.00	71.00		103.583	39.50	10.00	0.00	141
Ant_{1c}										
Ant_{2a}	B4 RRH2X60-4R	10.50	5.75	36.50		105.167	20.50	-7.00		141
Ant_{2b}	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	0.00	141
Ant_{2c}										
Ant_{3a}	3JR53386AAAL 3	12.00	7.50	21.00		104.625	27.00	-5.00		142
Ant_{3b}	BXA-70063-6CF-EDIN	11.00	5.00	71.00		103.917	35.50	8.00	0.00	142
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	0.00	143
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	16.00	10.50	26.00						142
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	0.00	Deg	Leg A:		Deg
Sector B:	120.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

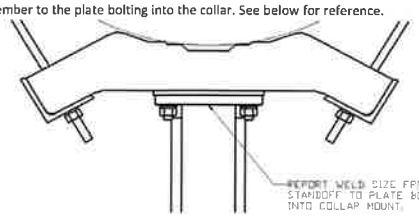
Climbing Facility Information			
Location:	240.00	Deg	Sector C
Climbing Facility	Corrosion Type:		N/A
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.





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



Sector B											
Ant_{1a}											
Ant_{1b}	BXA-80063-4BF-EDIN	11.00	5.50	45.00		104.042	34.00	9.00	120.00	145
Ant_{1c}											
Ant_{2a}	B4 RRH2X60-4R	10.50	5.75	36.50		105.167	20.50	-7.00		145
Ant_{2b}	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	120.00	145
Ant_{2c}										
Ant_{3a}	3JR53386AAAL 3	12.00	7.50	21.00		104.625	27.00	-5.00		146
Ant_{3b}	SLCP 2X6014	14.00	11.00	53.00		104.208	32.00	10.00	120.00	146
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	120.00	147
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C											
Ant_{1a}											
Ant_{1b}	BXA-80080-4CF-EDIN	8.00	6.00	47.50		104.042	34.00	9.00	280.00	149
Ant_{1c}											
Ant_{2a}	B4 RRH2X60-4R	10.50	5.75	36.50		105.167	20.50	-7.00		149
Ant_{2b}	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	280.00	149
Ant_{2c}										
Ant_{3a}	3JR53386AAAL 3	12.00	7.50	21.00		104.625	27.00	-5.00		150
Ant_{3b}	SLCP 2X6014	14.00	11.00	53.00		104.208	32.00	10.00	280.00	150
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	280.00	152
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D											
Ant_{1a}											
Ant_{1b}											
Ant_{1c}											
Ant_{2a}											
Ant_{2b}											
Ant_{2c}											
Ant_{3a}											
Ant_{3b}											
Ant_{3c}											
Ant_{4a}											
Ant_{4b}											
Ant_{4c}											
Ant_{5a}											
Ant_{5b}											
Ant_{5c}											
Ant on Standoff											
Ant on Standoff											
Ant on Tower											
Ant on Tower											

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	COAX TOTAL (13): (12) FH 1-5/8, (1) 1.5"Ø HYB	
2	BOLT MISSING ON MOUNT	91
3		
4		
5		
6		
7		
8		

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

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

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

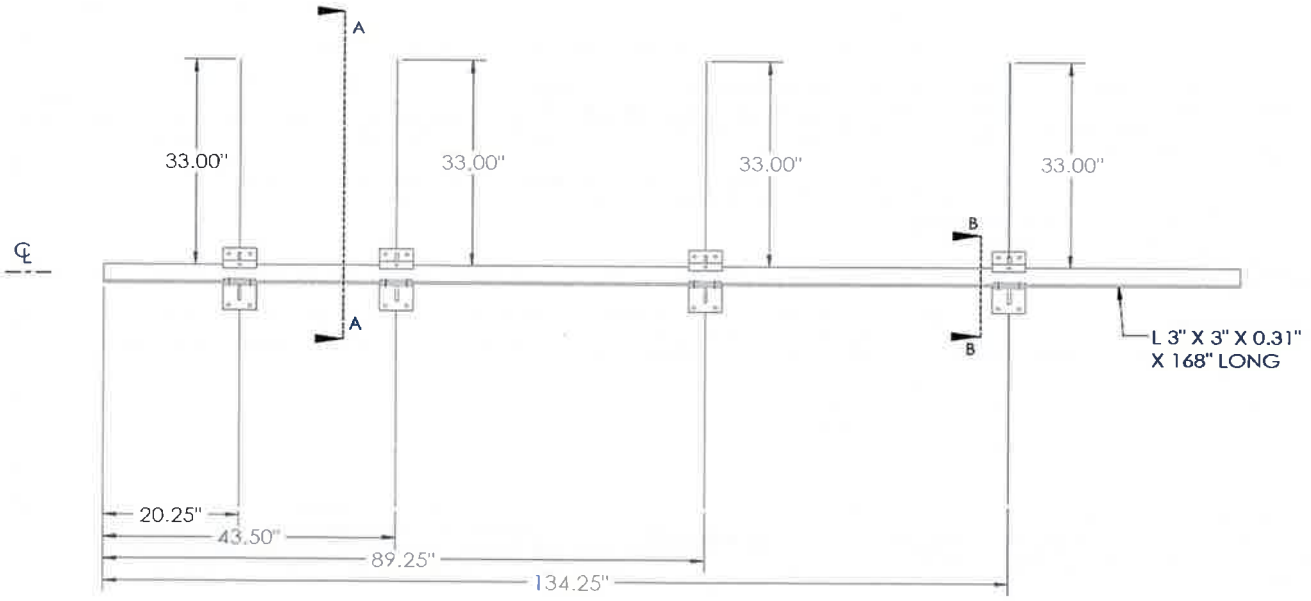
V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

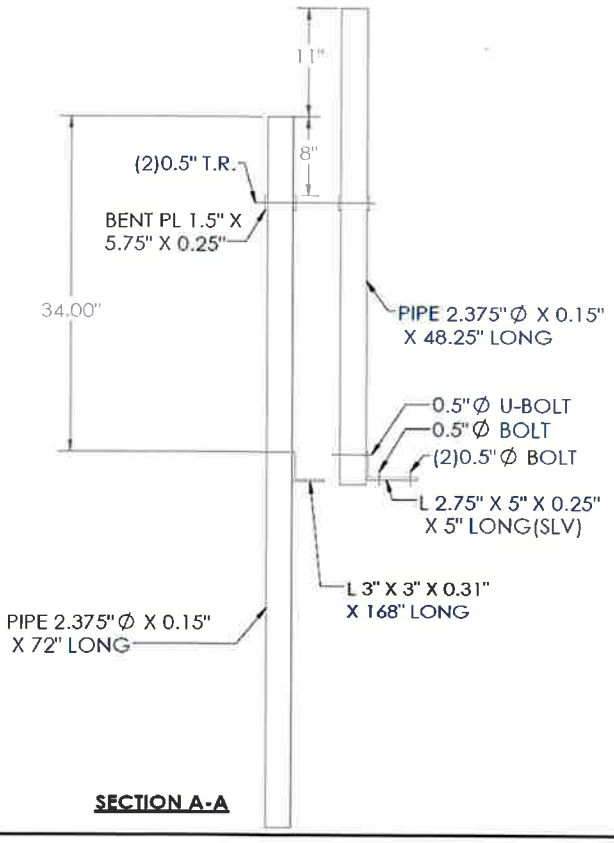
FCC #: UNKNOWN

Tower Owner:	UNKNOWN	Mapping Date:	10/24/2021
Site Name:	VZW: Bloomfield 3 CT	Tower Type:	Monopole
Site Number or ID:	VZW: 468782	Tower Height (FL):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	104

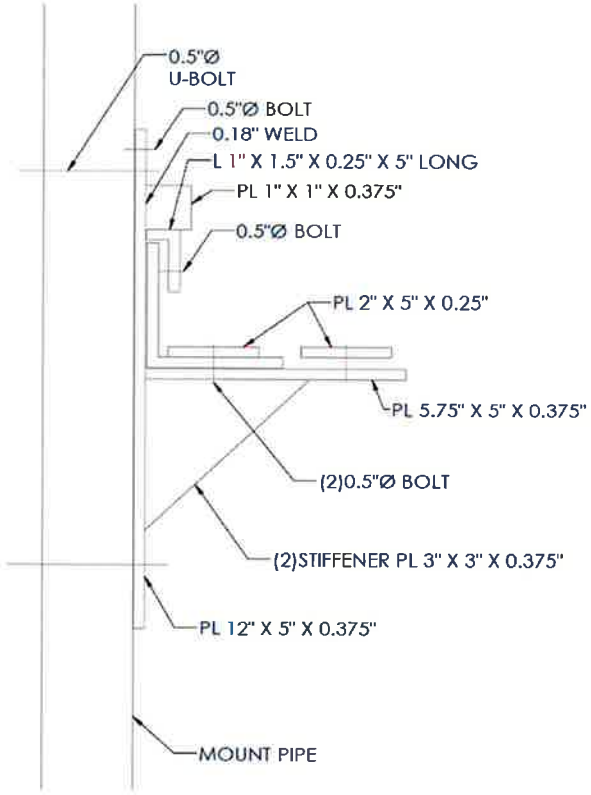
Please Insert Sketches of the Antenna Mount



SECTOR A,B & C

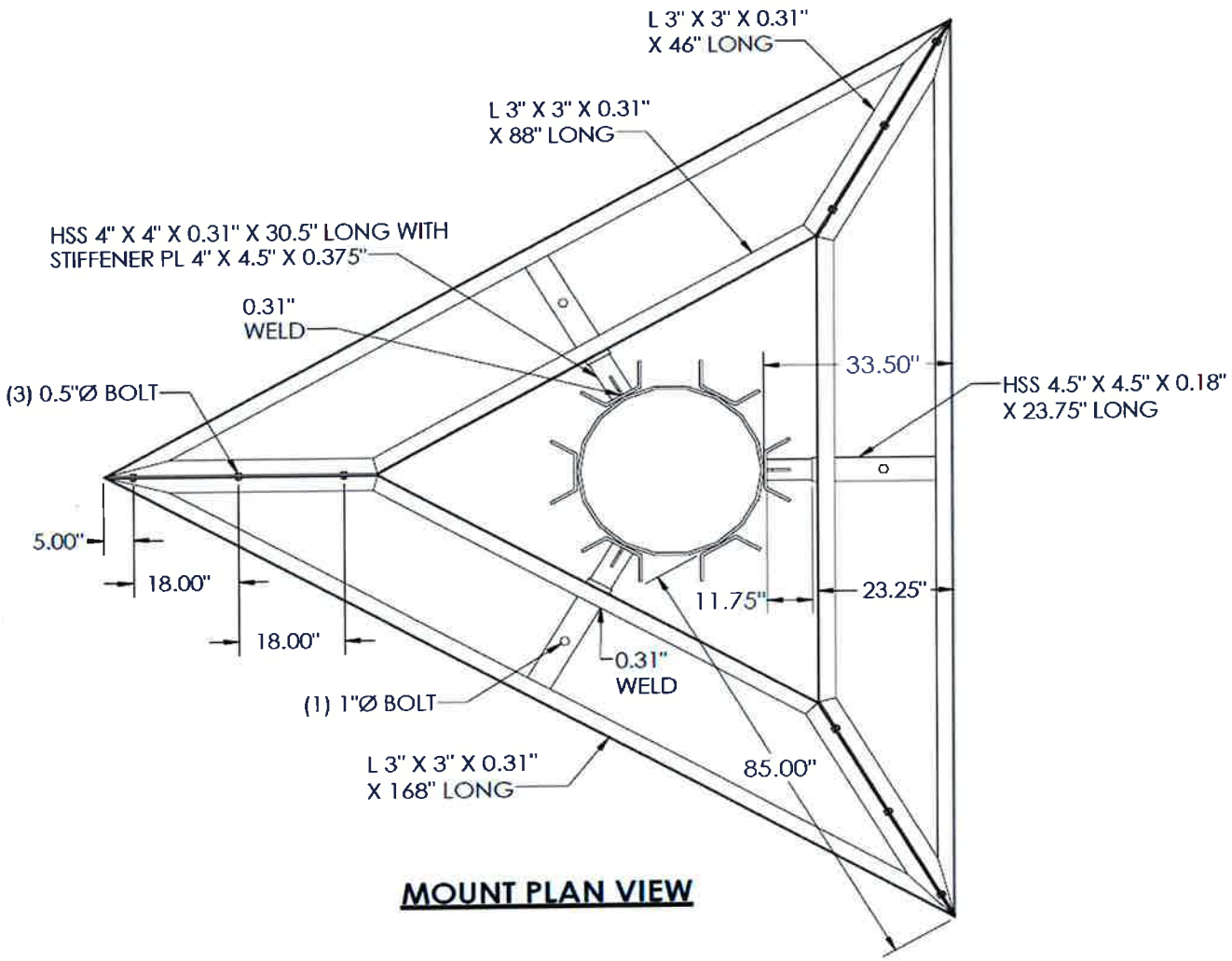


SECTION A-A



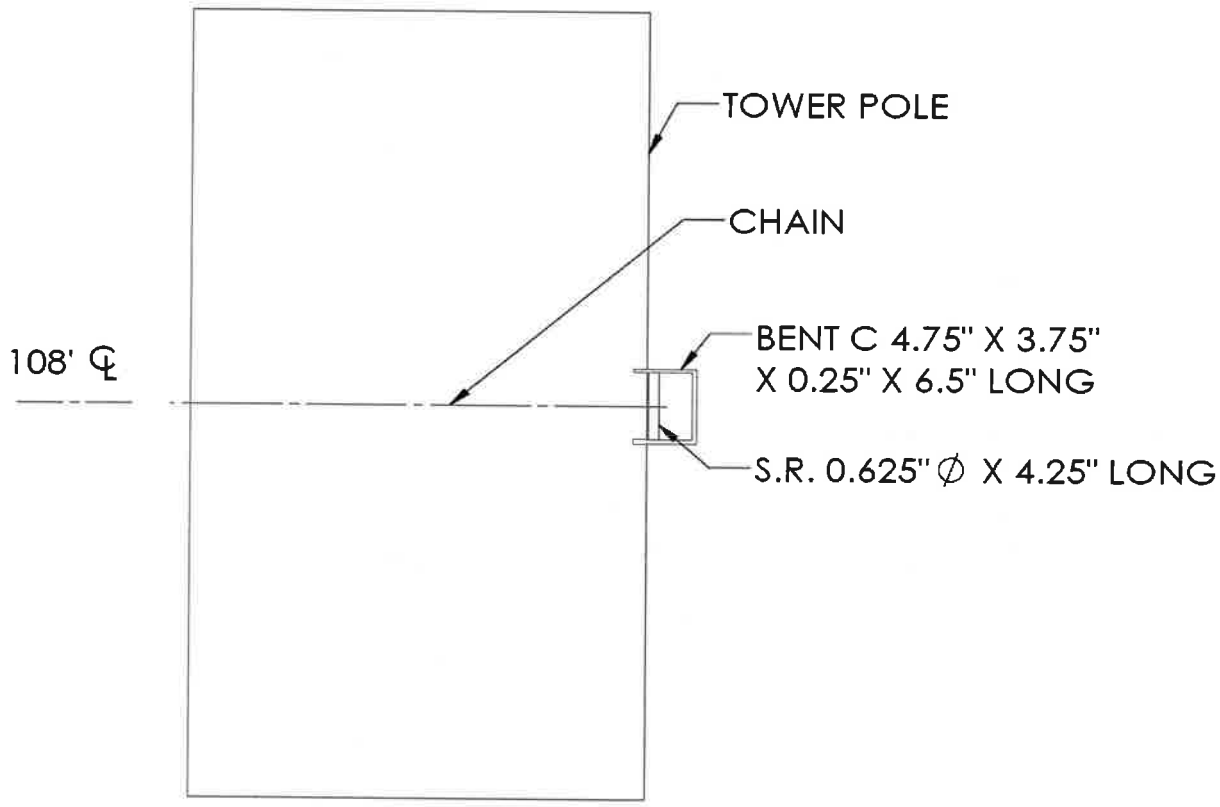
SECTION B-B

Please Insert Sketches of the Antenna Mount, cont'd



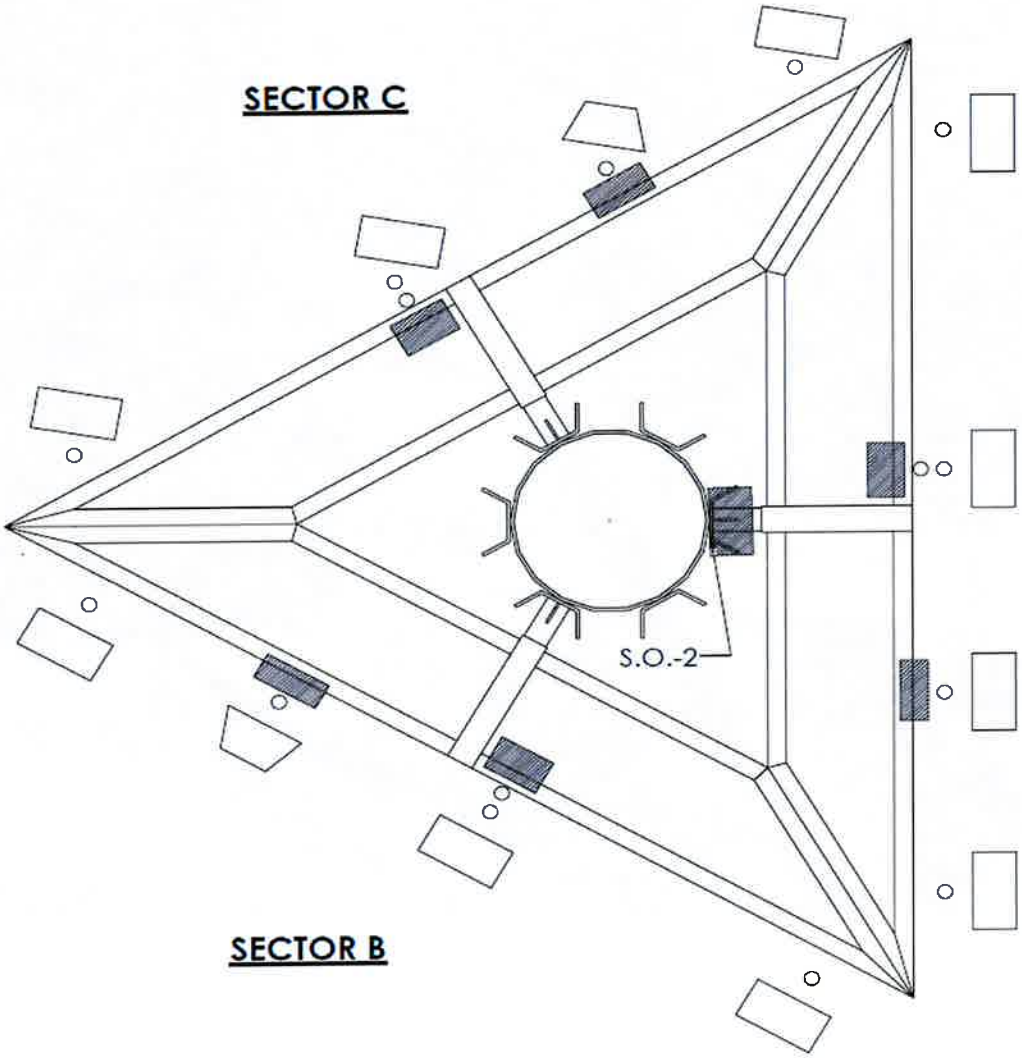
MOUNT PLAN VIEW

Please Insert Sketches of the Antenna Mount, cont'd



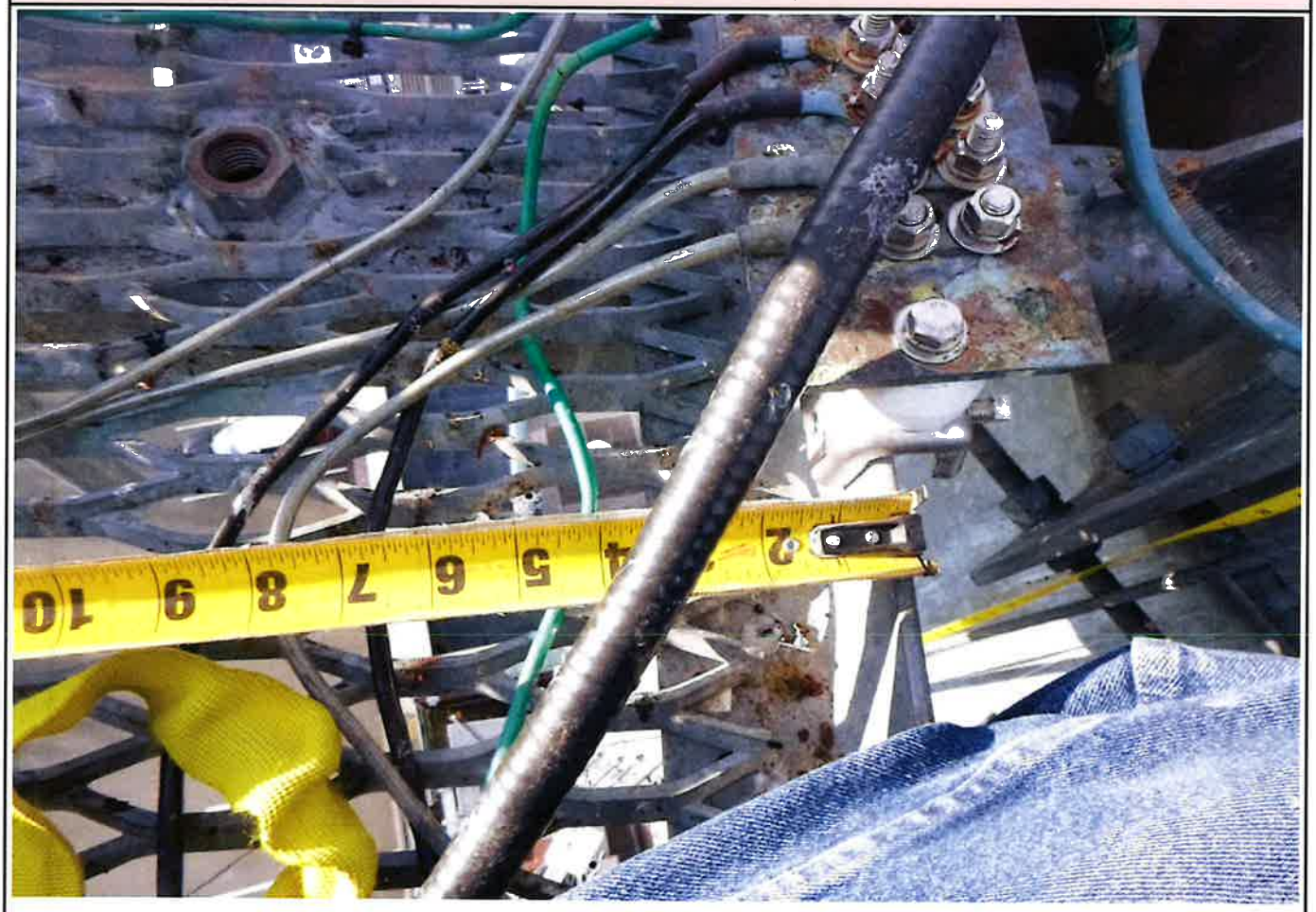
S.O.-2

Please Insert Sketches of the Antenna Mount, cont'd



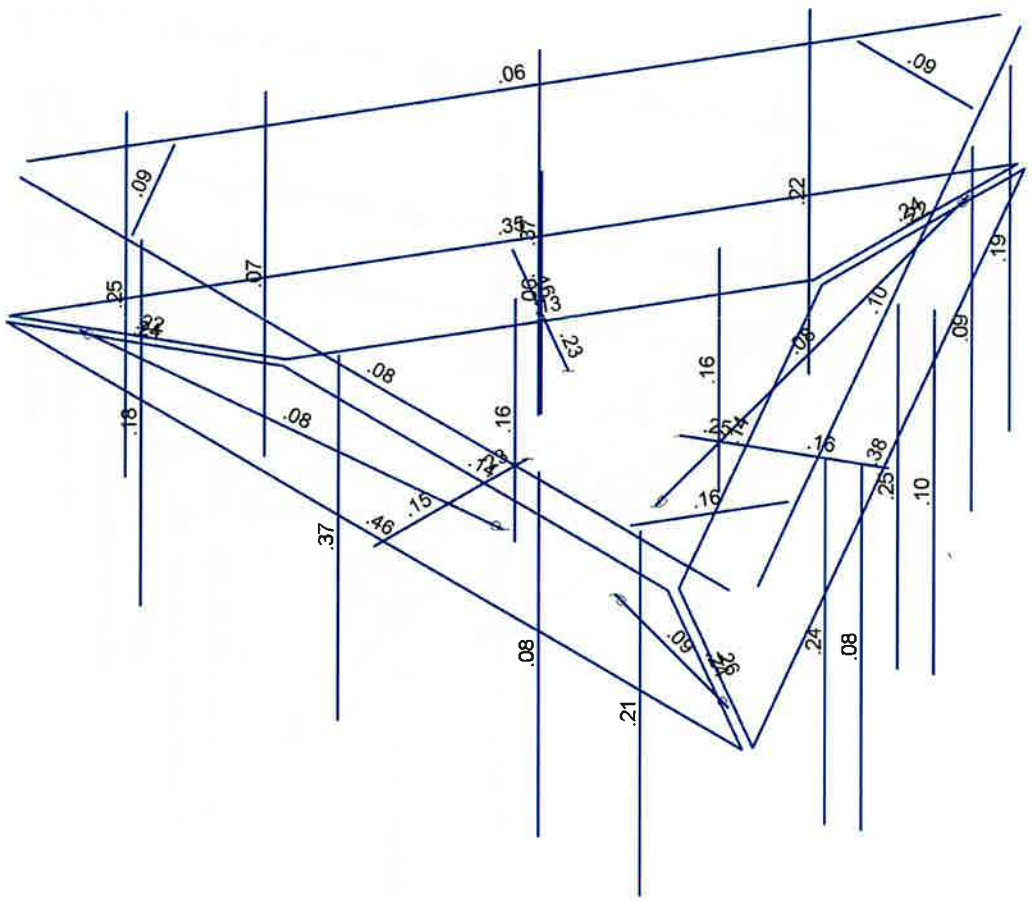
ANTENNA PLAN VIEW

Please Insert Sketches of the Antenna Mount, cont'd



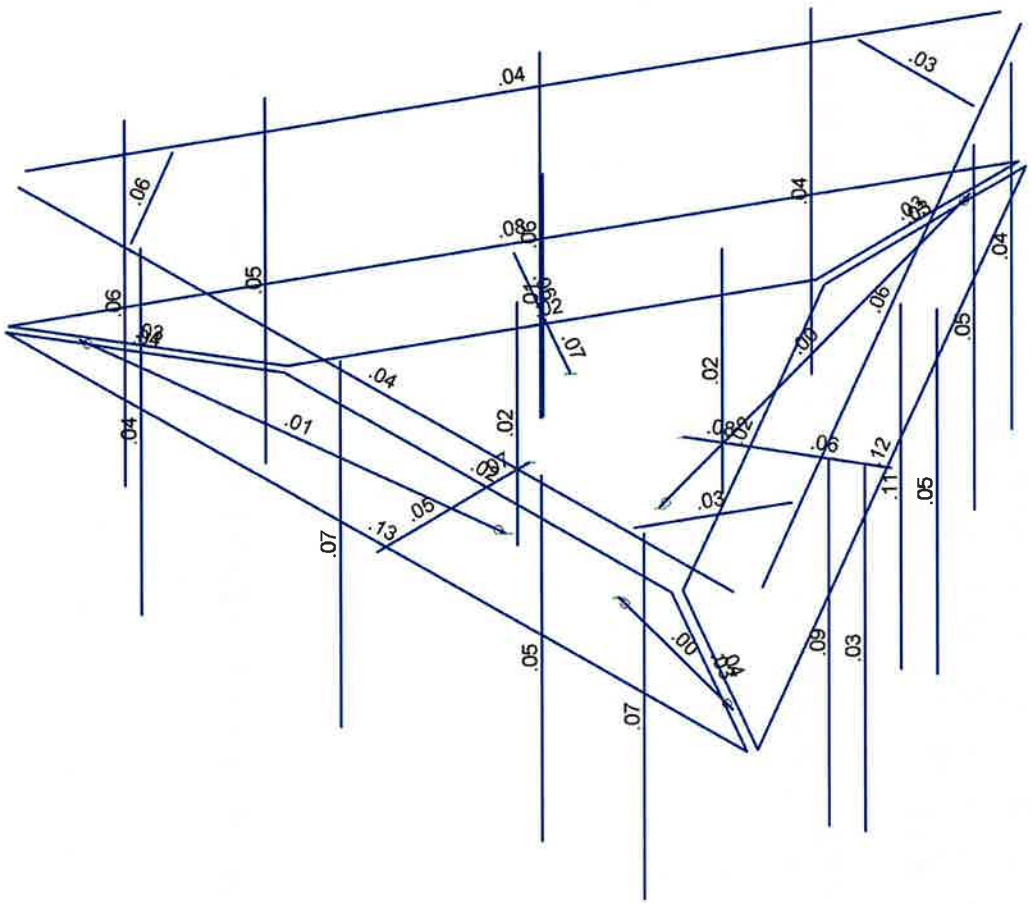
Envelope Only Solution

	Rendered Model	SK - 1
		June 9, 2023 at 3:41 PM
		5000383112-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		June 9, 2023 at 3:41 PM
	Bending Check	5000383112-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		June 9, 2023 at 3:41 PM
	Shear Check	5000383112-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					99			
2	Antenna Di	None					99			
3	Antenna Wo (0 Deg)	None					99			
4	Antenna Wo (30 Deg)	None					99			
5	Antenna Wo (60 Deg)	None					99			
6	Antenna Wo (90 Deg)	None					99			
7	Antenna Wo (120 Deg)	None					99			
8	Antenna Wo (150 Deg)	None					99			
9	Antenna Wo (180 Deg)	None					99			
10	Antenna Wo (210 Deg)	None					99			
11	Antenna Wo (240 Deg)	None					99			
12	Antenna Wo (270 Deg)	None					99			
13	Antenna Wo (300 Deg)	None					99			
14	Antenna Wo (330 Deg)	None					99			
15	Antenna Wi (0 Deg)	None					99			
16	Antenna Wi (30 Deg)	None					99			
17	Antenna Wi (60 Deg)	None					99			
18	Antenna Wi (90 Deg)	None					99			
19	Antenna Wi (120 Deg)	None					99			
20	Antenna Wi (150 Deg)	None					99			
21	Antenna Wi (180 Deg)	None					99			
22	Antenna Wi (210 Deg)	None					99			
23	Antenna Wi (240 Deg)	None					99			
24	Antenna Wi (270 Deg)	None					99			
25	Antenna Wi (300 Deg)	None					99			
26	Antenna Wi (330 Deg)	None					99			
27	Antenna Wm (0 Deg)	None					99			
28	Antenna Wm (30 Deg)	None					99			
29	Antenna Wm (60 Deg)	None					99			
30	Antenna Wm (90 Deg)	None					99			
31	Antenna Wm (120 Deg)	None					99			
32	Antenna Wm (150 Deg)	None					99			
33	Antenna Wm (180 Deg)	None					99			
34	Antenna Wm (210 Deg)	None					99			
35	Antenna Wm (240 Deg)	None					99			
36	Antenna Wm (270 Deg)	None					99			
37	Antenna Wm (300 Deg)	None					99			
38	Antenna Wm (330 Deg)	None					99			
39	Structure D	None		-1					3	
40	Structure Di	None						44	3	
41	Structure Wo (0 Deg)	None						88		
42	Structure Wo (30 Deg)	None						88		
43	Structure Wo (60 Deg)	None						88		
44	Structure Wo (90 Deg)	None						88		
45	Structure Wo (120 D...	None						88		
46	Structure Wo (150 D...	None						88		
47	Structure Wo (180 D...	None						88		
48	Structure Wo (210 D...	None						88		
49	Structure Wo (240 D...	None						88		
50	Structure Wo (270 D...	None						88		
51	Structure Wo (300 D...	None						88		
52	Structure Wo (330 D...	None						88		
53	Structure Wi (0 Deg)	None						88		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						88		
55	Structure Wi (60 Deg)	None						88		
56	Structure Wi (90 Deg)	None						88		
57	Structure Wi (120 De..	None						88		
58	Structure Wi (150 De..	None						88		
59	Structure Wi (180 De..	None						88		
60	Structure Wi (210 De..	None						88		
61	Structure Wi (240 De..	None						88		
62	Structure Wi (270 De..	None						88		
63	Structure Wi (300 De..	None						88		
64	Structure Wi (330 De..	None						88		
65	Structure Wm (0 Deg)	None						88		
66	Structure Wm (30 De..	None						88		
67	Structure Wm (60 De..	None						88		
68	Structure Wm (90 De..	None						88		
69	Structure Wm (120 D..	None						88		
70	Structure Wm (150 D..	None						88		
71	Structure Wm (180 D..	None						88		
72	Structure Wm (210 D..	None						88		
73	Structure Wm (240 D..	None						88		
74	Structure Wm (270 D..	None						88		
75	Structure Wm (300 D..	None						88		
76	Structure Wm (330 D..	None						88		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					99			
82	Antenna Eh (0 Deg)	None					66			
83	Antenna Eh (90 Deg)	None					66			
84	Structure Ev	ELY		-.039					3	
85	Structure Eh (0 Deg)	ELZ			-.097				3	
86	Structure Eh (90 Deg)	ELX	.097						3	
87	BLC 39 Transient Are..	None						34		
88	BLC 40 Transient Are..	None						34		
89	BLC 84 Transient Are..	None						34		
90	BLC 85 Transient Are..	None						34		
91	BLC 86 Transient Are..	None						34		

Load Combinations

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

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
15	1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1.0Wm (120 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1.0Wm (150 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1.0Wm (180 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1.0Wm (210 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1.0Wm (240 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1.0Wm (270 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1.0Wm (300 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1.0Wm (330 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5Lm2 + 1.0Wm (120 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5Lm2 + 1.0Wm (150 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5Lm2 + 1.0Wm (180 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5Lm2 + 1.0Wm (210 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5Lm2 + 1.0Wm (240 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5Lm2 + 1.0Wm (270 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5Lm2 + 1.0Wm (300 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5Lm2 + 1.0Wm (330 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1												
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5																
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5																
51	1.4D	Yes	Y		1	1.4	39	1.4																		
52	1.2D + 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		E...	1	E...							
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	E...	.866	E...	.5						
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	E...	.5	E...	.866						
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	E...		E...	1						
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	E...	-.5	E...	.866						
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	.5	E...	-.8...	E...	.5						
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		E...	-1	E...							
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.8...	83	-.5	E...	-.8...	E...	-.5						
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.8...	E...	-.5	E...	-.8...						
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	E...		E...	-1						
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.8...	E...	.5	E...	-.8...						
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	E...	.866	E...	-.5						
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		E...	1	E...							
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	E...	.866	E...	.5						
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	E...	.5	E...	.866						
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	E...		E...	1						
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	E...	-.5	E...	.866						
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	.5	E...	-.8...	E...	.5						
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		E...	-1	E...							
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.8...	83	-.5	E...	-.8...	E...	-.5						

Load Combinations (Continued)

	Description	S...	P...	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.8...	E...	-.5	E...	-.8...				
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	E...		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.8...	E...	.5	E...	-.8...				
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	E...	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0	-0.166667	0.291667	0	
2	N2	7	0	0.291667	0	
3	N3	-7	0	0.291667	0	
4	N4	0	0	-1.625	0	
5	N5	3.666667	0	-1.625	0	
6	N6	-3.666667	0	-1.625	0	
7	N7	0	-0.166667	-2.604167	0	
8	N8	0	0	-3.833333	0	
9	N23A	0	0	0.291667	0	
10	N26	0	-0.166667	-1.625	0	
11	N11	3.572355	-0.166667	-5.895833	0	
12	N12	0.072355	0	-11.958011	0	
13	N13	7.072355	0	0.166344	0	
14	N14	1.912473	0	-4.9375	0	
15	N15	0.079139	0	-8.112926	0	
16	N16	3.745806	0	-1.762074	0	
17	N17	1.06449	-0.166667	-4.447917	0	
18	N19	3.572355	0	-5.895833	0	
19	N20	1.912473	-0.166667	-4.9375	0	
20	N21	-3.572355	-0.166667	-5.895833	0	
21	N22	-7.072355	0	0.166344	0	
22	N23	-0.072355	0	-11.958011	0	
23	N24	-1.912473	0	-4.9375	0	
24	N25	-3.745806	0	-1.762074	0	
25	N26A	-0.079139	0	-8.112926	0	
26	N27	-1.06449	-0.166667	-4.447917	0	
27	N29	-3.572355	0	-5.895833	0	
28	N30	-1.912473	-0.166667	-4.9375	0	
29	N29A	0.075747	0	-10.035469	0	
30	N30A	-0.075747	0	-10.035469	0	
31	N36	-5.40908	0	-0.797865	0	
32	N37	-5.333333	0	-0.666667	0	
33	N43	5.333333	0	-0.666667	0	
34	N44	5.40908	0	-0.797865	0	
35	N35	5.3125	0	0.291667	0	
36	N36A	5.3125	0	0.541667	0	
37	N37A	5.3125	2.875	0.541667	0	
38	N38	5.3125	-3.125	0.541667	0	
39	N39	3.375	0	0.291667	0	
40	N40	3.375	0	0.541667	0	
41	N41	3.375	2.875	0.541667	0	
42	N42	3.375	-3.125	0.541667	0	
43	N43A	-0.4375	0	0.291667	0	
44	N44A	-0.4375	0	0.541667	0	
45	N45	-0.4375	2.875	0.541667	0	
46	N46	-0.4375	-3.125	0.541667	0	
47	N47	-4.1875	0	0.291667	0	
48	N48	-4.1875	0	0.541667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N49	-4.1875	2.875	0.541667	0	
50	N50	-4.1875	-3.125	0.541667	0	
51	N52	0.916105	0	-10.496593	0	
52	N53	1.132611	0	-10.621593	0	
53	N54	1.132611	2.875	-10.621593	0	
54	N55	1.132611	-3.125	-10.621593	0	
55	N56	1.884855	0	-8.818669	0	
56	N57	2.101361	0	-8.943669	0	
57	N58	2.101361	2.875	-8.943669	0	
58	N59	2.101361	-3.125	-8.943669	0	
59	N60	3.791105	0	-5.516947	0	
60	N61	4.007611	0	-5.641947	0	
61	N62	4.007611	2.875	-5.641947	0	
62	N63	4.007611	-3.125	-5.641947	0	
63	N64	5.666105	0	-2.269352	0	
64	N65	5.882611	0	-2.394352	0	
65	N66	5.882611	2.875	-2.394352	0	
66	N67	5.882611	-3.125	-2.394352	0	
67	N69	-6.228605	0	-1.295073	0	
68	N70	-6.445111	0	-1.420073	0	
69	N71	-6.445111	2.875	-1.420073	0	
70	N72	-6.445111	-3.125	-1.420073	0	
71	N73	-5.259855	0	-2.972998	0	
72	N74	-5.476361	0	-3.097998	0	
73	N75	-5.476361	2.875	-3.097998	0	
74	N76	-5.476361	-3.125	-3.097998	0	
75	N77	-3.353605	0	-6.274719	0	
76	N78	-3.570111	0	-6.399719	0	
77	N79	-3.570111	2.875	-6.399719	0	
78	N80	-3.570111	-3.125	-6.399719	0	
79	N81	-1.478605	0	-9.522315	0	
80	N82	-1.695111	0	-9.647315	0	
81	N83	-1.695111	2.875	-9.647315	0	
82	N84	-1.695111	-3.125	-9.647315	0	
83	N83A	4.007611	1.875	-5.641947	0	
84	N84A	4.007611	-2.125	-5.641947	0	
85	N85	4.440624	1.875	-5.891947	0	
86	N86	4.440624	-2.125	-5.891947	0	
87	N87	4.440624	2.875	-5.891947	0	
88	N88	4.440624	-3.125	-5.891947	0	
89	N89	6.75	2.5	0.291667	0	
90	N90	-6.75	2.5	0.291667	0	
91	N91	5.3125	2.5	0.291667	0	
92	N92	5.3125	2.5	0.541667	0	
93	N93	3.375	2.5	0.291667	0	
94	N94	3.375	2.5	0.541667	0	
95	N95	-0.4375	2.5	0.291667	0	
96	N96	-0.4375	2.5	0.541667	0	
97	N97	-4.1875	2.5	0.291667	0	
98	N98	-4.1875	2.5	0.541667	0	
99	N100	0.197355	2.5	-11.741505	0	
100	N101	6.947355	2.5	-0.050162	0	
101	N102	0.916105	2.5	-10.496593	0	
102	N103	1.132611	2.5	-10.621593	0	
103	N104	1.884855	2.5	-8.818669	0	
104	N105	2.101361	2.5	-8.943669	0	
105	N106	3.791105	2.5	-5.516947	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N107	4.007611	2.5	-5.641947	0	
107	N108	5.666105	2.5	-2.269352	0	
108	N109	5.882611	2.5	-2.394352	0	
109	N111	-6.947355	2.5	-0.050162	0	
110	N112	-0.197355	2.5	-11.741505	0	
111	N113	-6.228605	2.5	-1.295073	0	
112	N114	-6.445111	2.5	-1.420073	0	
113	N115	-5.259855	2.5	-2.972998	0	
114	N116	-5.476361	2.5	-3.097998	0	
115	N117	-3.353605	2.5	-6.274719	0	
116	N118	-3.570111	2.5	-6.399719	0	
117	N119	-1.478605	2.5	-9.522315	0	
118	N120	-1.695111	2.5	-9.647315	0	
119	N119A	-4.75	2.5	0.291667	0	
120	N120A	4.75	2.5	0.291667	0	
121	N121	-4.75	2.5	0.166667	0	
122	N122	4.75	2.5	0.166667	0	
123	N124	5.947355	2.5	-1.782213	0	
124	N125	1.197355	2.5	-10.009454	0	
125	N126	5.839102	2.5	-1.719713	0	
126	N127	1.089102	2.5	-9.946954	0	
127	N129	-1.197355	2.5	-10.009454	0	
128	N130	-5.947355	2.5	-1.782213	0	
129	N131	-1.089102	2.5	-9.946954	0	
130	N132	-5.839102	2.5	-1.719713	0	
131	N131A	0.072355	0	-10.958011	0	
132	N132A	-0.072355	0	-10.958011	0	
133	N133	-0.	0	-10.958011	0	
134	N134	-0.	-2.166667	-5.0625	0	
135	N135	0	-2	-3.833333	0	
136	N136	-1.06449	-2.166667	-3.21875	0	
137	N137	1.06449	-2.166667	-3.21875	0	
138	N139	-6.206329	0	-0.333656	0	
139	N140	-6.133975	0	-0.208333	0	
140	N141	-6.170152	0	-0.270994	0	
141	N144	6.133975	0	-0.208333	0	
142	N145	6.206329	0	-0.333656	0	
143	N146	6.170152	0	-0.270994	0	
144	N146A	5.882611	1.875	-2.394352	0	
145	N147	5.882611	-2.125	-2.394352	0	
146	N148	6.315624	1.875	-2.644352	0	
147	N149	6.315624	-2.125	-2.644352	0	
148	N150	6.315624	2.875	-2.644352	0	
149	N151	6.315624	-3.125	-2.644352	0	
150	N150A	0	-0.166667	-2.125	0	
151	N151A	.25	-0.166667	-2.125	0	
152	N152	.25	-1.166667	-2.125	0	
153	N153	.25	2.833333	-2.125	0	
154	N155	1.47946	-0.166667	-4.6875	0	
155	N156	1.35446	-0.166667	-4.904006	0	
156	N157	1.35446	-1.166667	-4.904006	0	
157	N158	1.35446	2.833333	-4.904006	0	
158	N160	-1.47946	-0.166667	-4.6875	0	
159	N161	-1.60446	-0.166667	-4.470994	0	
160	N162	-1.60446	-1.166667	-4.470994	0	
161	N163	-1.60446	2.833333	-4.470994	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Back Standoff HSS	HSS4X4X5	Beam	Tube	A500 Gr. B 46	Typical	4.1	9.14	9.14	15.3
2	Platform Angle	L3X3X5	Beam	Single Angle	A36 Gr.36	Typical	1.78	1.5	1.5	.06
3	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
4	Front Standoff HSS	HSS4.5X4.5X3	Beam	Tube	A500 Gr. B 46	Typical	2.93	9.02	9.02	14.4
5	MOD Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
6	MOD Corner Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
7	MOD Kicker	LL3x3x3x6	Column	Double Angle (3/8 ...	A36 Gr.36	Typical	2.18	4.97	1.9	.027

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N3	N2		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
2	M2	N2	N5		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N5	N6		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N6	N3		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N7	N26			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
6	M22	N23A	N1			RIGID	None	None	RIGID	Typical
7	M23	N4	N26			RIGID	None	None	RIGID	Typical
8	M8	N26	N1			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
9	M9	N13	N12		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
10	M10	N12	N15		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
11	M11	N15	N16		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
12	M12	N16	N13		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
13	M13	N17	N20			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
14	M14	N19	N11			RIGID	None	None	RIGID	Typical
15	M15	N14	N20			RIGID	None	None	RIGID	Typical
16	M16	N20	N11			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
17	M17	N23	N22		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
18	M18	N22	N25		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
19	M19	N25	N26A		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
20	M20	N26A	N23		270	Platform Angle	Beam	Single Angle	A36 Gr.36	Typical
21	M21	N27	N30			Back Standoff ...	Beam	Tube	A500 Gr. ...	Typical
22	M22A	N29	N21			RIGID	None	None	RIGID	Typical
23	M23A	N24	N30			RIGID	None	None	RIGID	Typical
24	M24	N30	N21			Front Standoff ...	Beam	Tube	A500 Gr. ...	Typical
25	M25	N26A	N15			RIGID	None	None	RIGID	Typical
26	M26	N30A	N29A			RIGID	None	None	RIGID	Typical
27	M27	N23	N12			RIGID	None	None	RIGID	Typical
28	M28	N6	N25			RIGID	None	None	RIGID	Typical
29	M29	N37	N36			RIGID	None	None	RIGID	Typical
30	M30	N3	N22			RIGID	None	None	RIGID	Typical
31	M31	N16	N5			RIGID	None	None	RIGID	Typical
32	M32	N44	N43			RIGID	None	None	RIGID	Typical
33	M33	N13	N2			RIGID	None	None	RIGID	Typical
34	M34	N35	N36A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
35	MP1A	N37A	N38			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
36	M36	N39	N40			RIGID	None	None	RIGID	Typical
37	MP2A	N41	N42			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
38	M38	N43A	N44A			RIGID	None	None	RIGID	Typical
39	MP3A	N45	N46			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
40	M40	N47	N48			RIGID	None	None	RIGID	Typical
41	MP4A	N49	N50			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
42	M42	N52	N53			RIGID	None	None	RIGID	Typical
43	MP1C	N54	N55			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
44	M44	N56	N57			RIGID	None	None	RIGID	Typical
45	MP2C	N58	N59			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
46	M46	N60	N61			RIGID	None	None	RIGID	Typical
47	MP3CA	N62	N63			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
48	M48	N64	N65			RIGID	None	None	RIGID	Typical
49	MP4CA	N66	N67			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
50	M50	N69	N70			RIGID	None	None	RIGID	Typical
51	MP1B	N71	N72			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
52	M52	N73	N74			RIGID	None	None	RIGID	Typical
53	MP2B	N75	N76			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
54	M54	N77	N78			RIGID	None	None	RIGID	Typical
55	MP3B	N79	N80			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
56	M56	N81	N82			RIGID	None	None	RIGID	Typical
57	MP4B	N83	N84			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
58	M58	N83A	N85			RIGID	None	None	RIGID	Typical
59	M59	N84A	N86			RIGID	None	None	RIGID	Typical
60	MP3C	N87	N88			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
61	M61	N90	N89		270	MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
62	M62	N91	N92			RIGID	None	None	RIGID	Typical
63	M63	N93	N94			RIGID	None	None	RIGID	Typical
64	M64	N95	N96			RIGID	None	None	RIGID	Typical
65	M65	N97	N98			RIGID	None	None	RIGID	Typical
66	M66	N101	N100		270	MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
67	M67	N102	N103			RIGID	None	None	RIGID	Typical
68	M68	N104	N105			RIGID	None	None	RIGID	Typical
69	M69	N106	N107			RIGID	None	None	RIGID	Typical
70	M70	N108	N109			RIGID	None	None	RIGID	Typical
71	M71	N112	N111		270	MOD Support ...	Beam	Pipe	A53 Gr. B	Typical
72	M72	N113	N114			RIGID	None	None	RIGID	Typical
73	M73	N115	N116			RIGID	None	None	RIGID	Typical
74	M74	N117	N118			RIGID	None	None	RIGID	Typical
75	M75	N119	N120			RIGID	None	None	RIGID	Typical
76	M76	N119A	N121			RIGID	None	None	RIGID	Typical
77	M77	N120A	N122			RIGID	None	None	RIGID	Typical
78	M78	N124	N126			RIGID	None	None	RIGID	Typical
79	M79	N125	N127			RIGID	None	None	RIGID	Typical
80	M80	N129	N131			RIGID	None	None	RIGID	Typical
81	M81	N130	N132			RIGID	None	None	RIGID	Typical
82	M82	N121	N132		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
83	M83	N126	N122		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
84	M84	N131	N127		90	MOD Corner A...	Beam	Single Angle	A36 Gr.36	Typical
85	M85	N132A	N131A			RIGID	None	None	RIGID	Typical
86	M86	N133	N134			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
87	M87	N140	N139			RIGID	None	None	RIGID	Typical
88	M88	N141	N136			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
89	M89	N145	N144			RIGID	None	None	RIGID	Typical
90	M90	N146	N137			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
91	M91	N146A	N148			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
92	M92	N147	N149			RIGID	None	None	RIGID	Typical
93	MP4C	N150	N151			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
94	M94	N150A	N151A			RIGID	None	None	RIGID	Typical
95	M95	N153	N152			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
96	M96	N155	N156			RIGID	None	None	RIGID	Typical
97	M97	N158	N157			Mount Pipe	Column	Pipe	A53 Gr. B	Typical
98	M98	N160	N161			RIGID	None	None	RIGID	Typical
99	M99	N163	N162			Mount Pipe	Column	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat..	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M3						Yes				None
4	M4						Yes				None
5	M5						Yes				None
6	M22						Yes	** NA **			None
7	M23						Yes	** NA **			None
8	M8						Yes				None
9	M9						Yes				None
10	M10						Yes				None
11	M11						Yes				None
12	M12						Yes				None
13	M13						Yes				None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes				None
17	M17						Yes				None
18	M18						Yes				None
19	M19						Yes				None
20	M20						Yes				None
21	M21						Yes				None
22	M22A						Yes	** NA **			None
23	M23A						Yes	** NA **			None
24	M24						Yes				None
25	M25	OOOXOO					Yes	** NA **			None
26	M26	OOOXOO					Yes	** NA **			None
27	M27	OOOXOO					Yes	** NA **			None
28	M28	OOOXOO					Yes	** NA **			None
29	M29	OOOXOO					Yes	** NA **			None
30	M30	OOOXOO					Yes	** NA **			None
31	M31	OOOXOO					Yes	** NA **			None
32	M32	OOOXOO					Yes	** NA **			None
33	M33	OOOXOO					Yes	** NA **			None
34	M34						Yes	** NA **			None
35	MP1A						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	MP2A						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	MP3A						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	MP4A						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	MP1C						Yes	** NA **			None
44	M44						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...
45	MP2C						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	MP3CA						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	MP4CA						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	MP1B						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	MP2B						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	MP3B						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	MP4B						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	MP3C						Yes	** NA **			None
61	M61						Yes				None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes				None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes				None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76		OOOOOO				Yes	** NA **			None
77	M77		OOOOOO				Yes	** NA **			None
78	M78		OOOOOO				Yes	** NA **			None
79	M79		OOOOOO				Yes	** NA **			None
80	M80		OOOOOO				Yes	** NA **			None
81	M81		OOOOOO				Yes	** NA **			None
82	M82						Yes				None
83	M83						Yes				None
84	M84						Yes				None
85	M85						Yes	** NA **			None
86	M86	BenPIN	BenPIN				Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88	BenPIN	BenPIN				Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90	BenPIN	BenPIN				Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	MP4C						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M99						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-43.55	2
2	MP4A	My	-.022	2
3	MP4A	Mz	0	2
4	MP4A	Y	-43.55	4
5	MP4A	My	-.022	4
6	MP4A	Mz	0	4
7	MP4B	Y	-43.55	2
8	MP4B	My	.011	2
9	MP4B	Mz	-.019	2
10	MP4B	Y	-43.55	4
11	MP4B	My	.011	4
12	MP4B	Mz	-.019	4
13	MP4C	Y	-43.55	2
14	MP4C	My	0	2
15	MP4C	Mz	.022	2
16	MP4C	Y	-43.55	4
17	MP4C	My	0	4
18	MP4C	Mz	.022	4
19	MP2A	Y	-74.7	1.5
20	MP2A	My	.037	1.5
21	MP2A	Mz	0	1.5
22	MP2B	Y	-74.7	1.5
23	MP2B	My	-.019	1.5
24	MP2B	Mz	.032	1.5
25	MP2C	Y	-74.7	1.5
26	MP2C	My	0	1.5
27	MP2C	Mz	-.037	1.5
28	MP3A	Y	-70.3	1.5
29	MP3A	My	.035	1.5
30	MP3A	Mz	0	1.5
31	MP3B	Y	-70.3	1.5
32	MP3B	My	-.018	1.5
33	MP3B	Mz	.03	1.5
34	MP3C	Y	-70.3	1.5
35	MP3C	My	0	1.5
36	MP3C	Mz	-.035	1.5
37	MP1B	Y	-9.6	.5
38	MP1B	My	.002	.5
39	MP1B	Mz	-.004	.5
40	MP1B	Y	-9.6	5.5
41	MP1B	My	.002	5.5
42	MP1B	Mz	-.004	5.5
43	MP1C	Y	-6	1.5
44	MP1C	My	0	1.5
45	MP1C	Mz	.003	1.5
46	MP1C	Y	-6	4.5
47	MP1C	My	0	4.5
48	MP1C	Mz	.003	4.5
49	MP1A	Y	-9	.5
50	MP1A	My	-.004	.5
51	MP1A	Mz	0	.5
52	MP1A	Y	-9	5.5
53	MP1A	My	-.004	5.5
54	MP1A	Mz	0	5.5
55	MP3A	Y	-20	.5
56	MP3A	My	-.01	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP3A	Mz	.012	.5
58	MP3A	Y	-20	5.5
59	MP3A	My	-.01	5.5
60	MP3A	Mz	.012	5.5
61	MP3B	Y	-20	.5
62	MP3B	My	-.005	.5
63	MP3B	Mz	-.014	.5
64	MP3B	Y	-20	5.5
65	MP3B	My	-.005	5.5
66	MP3B	Mz	-.014	5.5
67	MP3C	Y	-20	.5
68	MP3C	My	.012	.5
69	MP3C	Mz	.01	.5
70	MP3C	Y	-20	5.5
71	MP3C	My	.012	5.5
72	MP3C	Mz	.01	5.5
73	MP3A	Y	-20	.5
74	MP3A	My	-.01	.5
75	MP3A	Mz	-.012	.5
76	MP3A	Y	-20	5.5
77	MP3A	My	-.01	5.5
78	MP3A	Mz	-.012	5.5
79	MP3B	Y	-20	.5
80	MP3B	My	.015	.5
81	MP3B	Mz	-.003	.5
82	MP3B	Y	-20	5.5
83	MP3B	My	.015	5.5
84	MP3B	Mz	-.003	5.5
85	MP3C	Y	-20	.5
86	MP3C	My	-.012	.5
87	MP3C	Mz	.01	.5
88	MP3C	Y	-20	5.5
89	MP3C	My	-.012	5.5
90	MP3C	Mz	.01	5.5
91	M99	Y	-22.1	1
92	M99	My	0	1
93	M99	Mz	0	1
94	M97	Y	-32	1
95	M97	My	0	1
96	M97	Mz	0	1
97	M95	Y	-32	1
98	M95	My	0	1
99	M95	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-54.72	2
2	MP4A	My	-.027	2
3	MP4A	Mz	0	2
4	MP4A	Y	-54.72	4
5	MP4A	My	-.027	4
6	MP4A	Mz	0	4
7	MP4B	Y	-54.72	2
8	MP4B	My	.014	2
9	MP4B	Mz	-.024	2
10	MP4B	Y	-54.72	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP4B	My	.014	4
12	MP4B	Mz	-.024	4
13	MP4C	Y	-54.72	2
14	MP4C	My	0	2
15	MP4C	Mz	.027	2
16	MP4C	Y	-54.72	4
17	MP4C	My	0	4
18	MP4C	Mz	.027	4
19	MP2A	Y	-69.503	1.5
20	MP2A	My	.035	1.5
21	MP2A	Mz	0	1.5
22	MP2B	Y	-69.503	1.5
23	MP2B	My	-.017	1.5
24	MP2B	Mz	.03	1.5
25	MP2C	Y	-69.503	1.5
26	MP2C	My	0	1.5
27	MP2C	Mz	-.035	1.5
28	MP3A	Y	-66.296	1.5
29	MP3A	My	.033	1.5
30	MP3A	Mz	0	1.5
31	MP3B	Y	-66.296	1.5
32	MP3B	My	-.017	1.5
33	MP3B	Mz	.029	1.5
34	MP3C	Y	-66.296	1.5
35	MP3C	My	0	1.5
36	MP3C	Mz	-.033	1.5
37	MP1B	Y	-77.625	.5
38	MP1B	My	.019	.5
39	MP1B	Mz	-.034	.5
40	MP1B	Y	-77.625	5.5
41	MP1B	My	.019	5.5
42	MP1B	Mz	-.034	5.5
43	MP1C	Y	-47.799	1.5
44	MP1C	My	0	1.5
45	MP1C	Mz	.024	1.5
46	MP1C	Y	-47.799	4.5
47	MP1C	My	0	4.5
48	MP1C	Mz	.024	4.5
49	MP1A	Y	-69.019	.5
50	MP1A	My	-.035	.5
51	MP1A	Mz	0	.5
52	MP1A	Y	-69.019	5.5
53	MP1A	My	-.035	5.5
54	MP1A	Mz	0	5.5
55	MP3A	Y	-93.442	.5
56	MP3A	My	-.047	.5
57	MP3A	Mz	.055	.5
58	MP3A	Y	-93.442	5.5
59	MP3A	My	-.047	5.5
60	MP3A	Mz	.055	5.5
61	MP3B	Y	-93.442	.5
62	MP3B	My	-.024	.5
63	MP3B	Mz	-.068	.5
64	MP3B	Y	-93.442	5.5
65	MP3B	My	-.024	5.5
66	MP3B	Mz	-.068	5.5
67	MP3C	Y	-93.442	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3C	My	.055	.5
69	MP3C	Mz	.047	.5
70	MP3C	Y	-93.442	5.5
71	MP3C	My	.055	5.5
72	MP3C	Mz	.047	5.5
73	MP3A	Y	-93.442	.5
74	MP3A	My	-.047	.5
75	MP3A	Mz	-.055	.5
76	MP3A	Y	-93.442	5.5
77	MP3A	My	-.047	5.5
78	MP3A	Mz	-.055	5.5
79	MP3B	Y	-93.442	.5
80	MP3B	My	.071	.5
81	MP3B	Mz	-.013	.5
82	MP3B	Y	-93.442	5.5
83	MP3B	My	.071	5.5
84	MP3B	Mz	-.013	5.5
85	MP3C	Y	-93.442	.5
86	MP3C	My	-.055	.5
87	MP3C	Mz	.047	.5
88	MP3C	Y	-93.442	5.5
89	MP3C	My	-.055	5.5
90	MP3C	Mz	.047	5.5
91	M99	Y	-74.681	1
92	M99	My	0	1
93	M99	Mz	0	1
94	M97	Y	-133.963	1
95	M97	My	0	1
96	M97	Mz	0	1
97	M95	Y	-133.963	1
98	M95	My	0	1
99	M95	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	-78.654	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	-78.654	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	-39.979	2
9	MP4B	Mx	.017	2
10	MP4B	X	0	4
11	MP4B	Z	-39.979	4
12	MP4B	Mx	.017	4
13	MP4C	X	0	2
14	MP4C	Z	-27.088	2
15	MP4C	Mx	-.014	2
16	MP4C	X	0	4
17	MP4C	Z	-27.088	4
18	MP4C	Mx	-.014	4
19	MP2A	X	0	1.5
20	MP2A	Z	-62.201	1.5
21	MP2A	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	X	0	1.5
23	MP2B	Z	-46.852	1.5
24	MP2B	Mx	-.02	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-41.735	1.5
27	MP2C	Mx	.021	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-62.201	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	-43.842	1.5
33	MP3B	Mx	-.019	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	-37.722	1.5
36	MP3C	Mx	.019	1.5
37	MP1B	X	0	.5
38	MP1B	Z	-97.139	.5
39	MP1B	Mx	.042	.5
40	MP1B	X	0	5.5
41	MP1B	Z	-97.139	5.5
42	MP1B	Mx	.042	5.5
43	MP1C	X	0	1.5
44	MP1C	Z	-56.038	1.5
45	MP1C	Mx	-.028	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	-56.038	4.5
48	MP1C	Mx	-.028	4.5
49	MP1A	X	0	.5
50	MP1A	Z	-115.574	.5
51	MP1A	Mx	0	.5
52	MP1A	X	0	5.5
53	MP1A	Z	-115.574	5.5
54	MP1A	Mx	0	5.5
55	MP3A	X	0	.5
56	MP3A	Z	-110.558	.5
57	MP3A	Mx	-.064	.5
58	MP3A	X	0	5.5
59	MP3A	Z	-110.558	5.5
60	MP3A	Mx	-.064	5.5
61	MP3B	X	0	.5
62	MP3B	Z	-63.305	.5
63	MP3B	Mx	.046	.5
64	MP3B	X	0	5.5
65	MP3B	Z	-63.305	5.5
66	MP3B	Mx	.046	5.5
67	MP3C	X	0	.5
68	MP3C	Z	-47.554	.5
69	MP3C	Mx	-.024	.5
70	MP3C	X	0	5.5
71	MP3C	Z	-47.554	5.5
72	MP3C	Mx	-.024	5.5
73	MP3A	X	0	.5
74	MP3A	Z	-110.558	.5
75	MP3A	Mx	.064	.5
76	MP3A	X	0	5.5
77	MP3A	Z	-110.558	5.5
78	MP3A	Mx	.064	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP3B	X	0	.5
80	MP3B	Z	-63.305	.5
81	MP3B	Mx	.009	.5
82	MP3B	X	0	5.5
83	MP3B	Z	-63.305	5.5
84	MP3B	Mx	.009	5.5
85	MP3C	X	0	.5
86	MP3C	Z	-47.554	.5
87	MP3C	Mx	-.024	.5
88	MP3C	X	0	5.5
89	MP3C	Z	-47.554	5.5
90	MP3C	Mx	-.024	5.5
91	M99	X	0	1
92	M99	Z	-32.906	1
93	M99	Mx	0	1
94	M97	X	0	1
95	M97	Z	-127.211	1
96	M97	Mx	0	1
97	M95	X	0	1
98	M95	Z	-127.211	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	32.881	2
2	MP4A	Z	-56.952	2
3	MP4A	Mx	-.016	2
4	MP4A	X	32.881	4
5	MP4A	Z	-56.952	4
6	MP4A	Mx	-.016	4
7	MP4B	X	13.544	2
8	MP4B	Z	-23.459	2
9	MP4B	Mx	.014	2
10	MP4B	X	13.544	4
11	MP4B	Z	-23.459	4
12	MP4B	Mx	.014	4
13	MP4C	X	19.99	2
14	MP4C	Z	-34.623	2
15	MP4C	Mx	-.017	2
16	MP4C	X	19.99	4
17	MP4C	Z	-34.623	4
18	MP4C	Mx	-.017	4
19	MP2A	X	28.542	1.5
20	MP2A	Z	-49.437	1.5
21	MP2A	Mx	.014	1.5
22	MP2B	X	20.867	1.5
23	MP2B	Z	-36.144	1.5
24	MP2B	Mx	-.021	1.5
25	MP2C	X	23.426	1.5
26	MP2C	Z	-40.575	1.5
27	MP2C	Mx	.02	1.5
28	MP3A	X	28.041	1.5
29	MP3A	Z	-48.568	1.5
30	MP3A	Mx	.014	1.5
31	MP3B	X	18.861	1.5
32	MP3B	Z	-32.668	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3B	Mx	-.019	1.5
34	MP3C	X	21.921	1.5
35	MP3C	Z	-37.968	1.5
36	MP3C	Mx	.019	1.5
37	MP1B	X	40.481	.5
38	MP1B	Z	-70.115	.5
39	MP1B	Mx	.04	.5
40	MP1B	X	40.481	5.5
41	MP1B	Z	-70.115	5.5
42	MP1B	Mx	.04	5.5
43	MP1C	X	29.943	1.5
44	MP1C	Z	-51.863	1.5
45	MP1C	Mx	-.026	1.5
46	MP1C	X	29.943	4.5
47	MP1C	Z	-51.863	4.5
48	MP1C	Mx	-.026	4.5
49	MP1A	X	54.779	.5
50	MP1A	Z	-94.88	.5
51	MP1A	Mx	-.027	.5
52	MP1A	X	54.779	5.5
53	MP1A	Z	-94.88	5.5
54	MP1A	Mx	-.027	5.5
55	MP3A	X	47.403	.5
56	MP3A	Z	-82.105	.5
57	MP3A	Mx	-.072	.5
58	MP3A	X	47.403	5.5
59	MP3A	Z	-82.105	5.5
60	MP3A	Mx	-.072	5.5
61	MP3B	X	23.777	.5
62	MP3B	Z	-41.183	.5
63	MP3B	Mx	.024	.5
64	MP3B	X	23.777	5.5
65	MP3B	Z	-41.183	5.5
66	MP3B	Mx	.024	5.5
67	MP3C	X	31.652	.5
68	MP3C	Z	-54.823	.5
69	MP3C	Mx	-.009	.5
70	MP3C	X	31.652	5.5
71	MP3C	Z	-54.823	5.5
72	MP3C	Mx	-.009	5.5
73	MP3A	X	47.403	.5
74	MP3A	Z	-82.105	.5
75	MP3A	Mx	.024	.5
76	MP3A	X	47.403	5.5
77	MP3A	Z	-82.105	5.5
78	MP3A	Mx	.024	5.5
79	MP3B	X	23.777	.5
80	MP3B	Z	-41.183	.5
81	MP3B	Mx	.024	.5
82	MP3B	X	23.777	5.5
83	MP3B	Z	-41.183	5.5
84	MP3B	Mx	.024	5.5
85	MP3C	X	31.652	.5
86	MP3C	Z	-54.823	.5
87	MP3C	Mx	-.046	.5
88	MP3C	X	31.652	5.5
89	MP3C	Z	-54.823	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3C	Mx	-.046	5.5
91	M99	X	16.513	1
92	M99	Z	-28.602	1
93	M99	Mx	0	1
94	M97	X	59.793	1
95	M97	Z	-103.565	1
96	M97	Mx	0	1
97	M95	X	59.793	1
98	M95	Z	-103.565	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	34.623	2
2	MP4A	Z	-19.99	2
3	MP4A	Mx	-.017	2
4	MP4A	X	34.623	4
5	MP4A	Z	-19.99	4
6	MP4A	Mx	-.017	4
7	MP4B	X	34.623	2
8	MP4B	Z	-19.99	2
9	MP4B	Mx	.017	2
10	MP4B	X	34.623	4
11	MP4B	Z	-19.99	4
12	MP4B	Mx	.017	4
13	MP4C	X	56.952	2
14	MP4C	Z	-32.881	2
15	MP4C	Mx	-.016	2
16	MP4C	X	56.952	4
17	MP4C	Z	-32.881	4
18	MP4C	Mx	-.016	4
19	MP2A	X	40.575	1.5
20	MP2A	Z	-23.426	1.5
21	MP2A	Mx	.02	1.5
22	MP2B	X	40.575	1.5
23	MP2B	Z	-23.426	1.5
24	MP2B	Mx	-.02	1.5
25	MP2C	X	49.437	1.5
26	MP2C	Z	-28.542	1.5
27	MP2C	Mx	.014	1.5
28	MP3A	X	37.968	1.5
29	MP3A	Z	-21.921	1.5
30	MP3A	Mx	.019	1.5
31	MP3B	X	37.968	1.5
32	MP3B	Z	-21.921	1.5
33	MP3B	Mx	-.019	1.5
34	MP3C	X	48.568	1.5
35	MP3C	Z	-28.041	1.5
36	MP3C	Mx	.014	1.5
37	MP1B	X	84.125	.5
38	MP1B	Z	-48.57	.5
39	MP1B	Mx	.042	.5
40	MP1B	X	84.125	5.5
41	MP1B	Z	-48.57	5.5
42	MP1B	Mx	.042	5.5
43	MP1C	X	58.528	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP1C	Z	-33.791	1.5
45	MP1C	Mx	-.017	1.5
46	MP1C	X	58.528	4.5
47	MP1C	Z	-33.791	4.5
48	MP1C	Mx	-.017	4.5
49	MP1A	X	84.461	.5
50	MP1A	Z	-48.763	.5
51	MP1A	Mx	-.042	.5
52	MP1A	X	84.461	5.5
53	MP1A	Z	-48.763	5.5
54	MP1A	Mx	-.042	5.5
55	MP3A	X	54.823	.5
56	MP3A	Z	-31.652	.5
57	MP3A	Mx	-.046	.5
58	MP3A	X	54.823	5.5
59	MP3A	Z	-31.652	5.5
60	MP3A	Mx	-.046	5.5
61	MP3B	X	54.823	.5
62	MP3B	Z	-31.652	.5
63	MP3B	Mx	.009	.5
64	MP3B	X	54.823	5.5
65	MP3B	Z	-31.652	5.5
66	MP3B	Mx	.009	5.5
67	MP3C	X	82.105	.5
68	MP3C	Z	-47.403	.5
69	MP3C	Mx	.024	.5
70	MP3C	X	82.105	5.5
71	MP3C	Z	-47.403	5.5
72	MP3C	Mx	.024	5.5
73	MP3A	X	54.823	.5
74	MP3A	Z	-31.652	.5
75	MP3A	Mx	-.009	.5
76	MP3A	X	54.823	5.5
77	MP3A	Z	-31.652	5.5
78	MP3A	Mx	-.009	5.5
79	MP3B	X	54.823	.5
80	MP3B	Z	-31.652	.5
81	MP3B	Mx	.046	.5
82	MP3B	X	54.823	5.5
83	MP3B	Z	-31.652	5.5
84	MP3B	Mx	.046	5.5
85	MP3C	X	82.105	.5
86	MP3C	Z	-47.403	.5
87	MP3C	Mx	-.072	.5
88	MP3C	X	82.105	5.5
89	MP3C	Z	-47.403	5.5
90	MP3C	Mx	-.072	5.5
91	M99	X	28.811	1
92	M99	Z	-16.634	1
93	M99	Mx	0	1
94	M97	X	90.359	1
95	M97	Z	-52.169	1
96	M97	Mx	0	1
97	M95	X	90.359	1
98	M95	Z	-52.169	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	27.088	2
2	MP4A	Z	0	2
3	MP4A	Mx	-.014	2
4	MP4A	X	27.088	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.014	4
7	MP4B	X	65.763	2
8	MP4B	Z	0	2
9	MP4B	Mx	.016	2
10	MP4B	X	65.763	4
11	MP4B	Z	0	4
12	MP4B	Mx	.016	4
13	MP4C	X	78.654	2
14	MP4C	Z	0	2
15	MP4C	Mx	0	2
16	MP4C	X	78.654	4
17	MP4C	Z	0	4
18	MP4C	Mx	0	4
19	MP2A	X	41.735	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.021	1.5
22	MP2B	X	57.085	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.014	1.5
25	MP2C	X	62.201	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	37.722	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.019	1.5
31	MP3B	X	56.081	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.014	1.5
34	MP3C	X	62.201	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	0	1.5
37	MP1B	X	129.494	.5
38	MP1B	Z	0	.5
39	MP1B	Mx	.032	.5
40	MP1B	X	129.494	5.5
41	MP1B	Z	0	5.5
42	MP1B	Mx	.032	5.5
43	MP1C	X	71.431	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	0	1.5
46	MP1C	X	71.431	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	0	4.5
49	MP1A	X	91.511	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	-.046	.5
52	MP1A	X	91.511	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	-.046	5.5
55	MP3A	X	47.554	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	-.024	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	47.554	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	-.024	5.5
61	MP3B	X	94.807	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	-.024	.5
64	MP3B	X	94.807	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	-.024	5.5
67	MP3C	X	110.558	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	.064	.5
70	MP3C	X	110.558	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	.064	5.5
73	MP3A	X	47.554	.5
74	MP3A	Z	0	.5
75	MP3A	Mx	-.024	.5
76	MP3A	X	47.554	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	-.024	5.5
79	MP3B	X	94.807	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	.072	.5
82	MP3B	X	94.807	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	.072	5.5
85	MP3C	X	110.558	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.064	.5
88	MP3C	X	110.558	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	-.064	5.5
91	M99	X	33.388	1
92	M99	Z	0	1
93	M99	Mx	0	1
94	M97	X	96.713	1
95	M97	Z	0	1
96	M97	Mx	0	1
97	M95	X	96.713	1
98	M95	Z	0	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	34.623	2
2	MP4A	Z	19.99	2
3	MP4A	Mx	-.017	2
4	MP4A	X	34.623	4
5	MP4A	Z	19.99	4
6	MP4A	Mx	-.017	4
7	MP4B	X	68.117	2
8	MP4B	Z	39.327	2
9	MP4B	Mx	0	2
10	MP4B	X	68.117	4
11	MP4B	Z	39.327	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	0	4
13	MP4C	X	56.952	2
14	MP4C	Z	32.881	2
15	MP4C	Mx	.016	2
16	MP4C	X	56.952	4
17	MP4C	Z	32.881	4
18	MP4C	Mx	.016	4
19	MP2A	X	40.575	1.5
20	MP2A	Z	23.426	1.5
21	MP2A	Mx	.02	1.5
22	MP2B	X	53.868	1.5
23	MP2B	Z	31.101	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	49.437	1.5
26	MP2C	Z	28.542	1.5
27	MP2C	Mx	-.014	1.5
28	MP3A	X	37.968	1.5
29	MP3A	Z	21.921	1.5
30	MP3A	Mx	.019	1.5
31	MP3B	X	53.868	1.5
32	MP3B	Z	31.101	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	48.568	1.5
35	MP3C	Z	28.041	1.5
36	MP3C	Mx	-.014	1.5
37	MP1B	X	126.155	.5
38	MP1B	Z	72.836	.5
39	MP1B	Mx	0	.5
40	MP1B	X	126.155	5.5
41	MP1B	Z	72.836	5.5
42	MP1B	Mx	0	5.5
43	MP1C	X	58.528	1.5
44	MP1C	Z	33.791	1.5
45	MP1C	Mx	.017	1.5
46	MP1C	X	58.528	4.5
47	MP1C	Z	33.791	4.5
48	MP1C	Mx	.017	4.5
49	MP1A	X	84.461	.5
50	MP1A	Z	48.763	.5
51	MP1A	Mx	-.042	.5
52	MP1A	X	84.461	5.5
53	MP1A	Z	48.763	5.5
54	MP1A	Mx	-.042	5.5
55	MP3A	X	54.823	.5
56	MP3A	Z	31.652	.5
57	MP3A	Mx	-.009	.5
58	MP3A	X	54.823	5.5
59	MP3A	Z	31.652	5.5
60	MP3A	Mx	-.009	5.5
61	MP3B	X	95.746	.5
62	MP3B	Z	55.279	.5
63	MP3B	Mx	-.064	.5
64	MP3B	X	95.746	5.5
65	MP3B	Z	55.279	5.5
66	MP3B	Mx	-.064	5.5
67	MP3C	X	82.105	.5
68	MP3C	Z	47.403	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	.072	.5
70	MP3C	X	82.105	5.5
71	MP3C	Z	47.403	5.5
72	MP3C	Mx	.072	5.5
73	MP3A	X	54.823	.5
74	MP3A	Z	31.652	.5
75	MP3A	Mx	-.046	.5
76	MP3A	X	54.823	5.5
77	MP3A	Z	31.652	5.5
78	MP3A	Mx	-.046	5.5
79	MP3B	X	95.746	.5
80	MP3B	Z	55.279	.5
81	MP3B	Mx	.064	.5
82	MP3B	X	95.746	5.5
83	MP3B	Z	55.279	5.5
84	MP3B	Mx	.064	5.5
85	MP3C	X	82.105	.5
86	MP3C	Z	47.403	.5
87	MP3C	Mx	-.024	.5
88	MP3C	X	82.105	5.5
89	MP3C	Z	47.403	5.5
90	MP3C	Mx	-.024	5.5
91	M99	X	28.811	1
92	M99	Z	16.634	1
93	M99	Mx	0	1
94	M97	X	90.359	1
95	M97	Z	52.169	1
96	M97	Mx	0	1
97	M95	X	90.359	1
98	M95	Z	52.169	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	32.881	2
2	MP4A	Z	56.952	2
3	MP4A	Mx	-.016	2
4	MP4A	X	32.881	4
5	MP4A	Z	56.952	4
6	MP4A	Mx	-.016	4
7	MP4B	X	32.881	2
8	MP4B	Z	56.952	2
9	MP4B	Mx	-.016	2
10	MP4B	X	32.881	4
11	MP4B	Z	56.952	4
12	MP4B	Mx	-.016	4
13	MP4C	X	19.99	2
14	MP4C	Z	34.623	2
15	MP4C	Mx	.017	2
16	MP4C	X	19.99	4
17	MP4C	Z	34.623	4
18	MP4C	Mx	.017	4
19	MP2A	X	28.542	1.5
20	MP2A	Z	49.437	1.5
21	MP2A	Mx	.014	1.5
22	MP2B	X	28.542	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	49.437	1.5
24	MP2B	Mx	.014	1.5
25	MP2C	X	23.426	1.5
26	MP2C	Z	40.575	1.5
27	MP2C	Mx	-.02	1.5
28	MP3A	X	28.041	1.5
29	MP3A	Z	48.568	1.5
30	MP3A	Mx	.014	1.5
31	MP3B	X	28.041	1.5
32	MP3B	Z	48.568	1.5
33	MP3B	Mx	.014	1.5
34	MP3C	X	21.921	1.5
35	MP3C	Z	37.968	1.5
36	MP3C	Mx	-.019	1.5
37	MP1B	X	64.747	.5
38	MP1B	Z	112.145	.5
39	MP1B	Mx	-.032	.5
40	MP1B	X	64.747	5.5
41	MP1B	Z	112.145	5.5
42	MP1B	Mx	-.032	5.5
43	MP1C	X	29.943	1.5
44	MP1C	Z	51.863	1.5
45	MP1C	Mx	.026	1.5
46	MP1C	X	29.943	4.5
47	MP1C	Z	51.863	4.5
48	MP1C	Mx	.026	4.5
49	MP1A	X	54.779	.5
50	MP1A	Z	94.88	.5
51	MP1A	Mx	-.027	.5
52	MP1A	X	54.779	5.5
53	MP1A	Z	94.88	5.5
54	MP1A	Mx	-.027	5.5
55	MP3A	X	47.403	.5
56	MP3A	Z	82.105	.5
57	MP3A	Mx	.024	.5
58	MP3A	X	47.403	5.5
59	MP3A	Z	82.105	5.5
60	MP3A	Mx	.024	5.5
61	MP3B	X	47.403	.5
62	MP3B	Z	82.105	.5
63	MP3B	Mx	-.072	.5
64	MP3B	X	47.403	5.5
65	MP3B	Z	82.105	5.5
66	MP3B	Mx	-.072	5.5
67	MP3C	X	31.652	.5
68	MP3C	Z	54.823	.5
69	MP3C	Mx	.046	.5
70	MP3C	X	31.652	5.5
71	MP3C	Z	54.823	5.5
72	MP3C	Mx	.046	5.5
73	MP3A	X	47.403	.5
74	MP3A	Z	82.105	.5
75	MP3A	Mx	-.072	.5
76	MP3A	X	47.403	5.5
77	MP3A	Z	82.105	5.5
78	MP3A	Mx	-.072	5.5
79	MP3B	X	47.403	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	82.105	.5
81	MP3B	Mx	.024	.5
82	MP3B	X	47.403	5.5
83	MP3B	Z	82.105	5.5
84	MP3B	Mx	.024	5.5
85	MP3C	X	31.652	.5
86	MP3C	Z	54.823	.5
87	MP3C	Mx	.009	.5
88	MP3C	X	31.652	5.5
89	MP3C	Z	54.823	5.5
90	MP3C	Mx	.009	5.5
91	M99	X	16.513	1
92	M99	Z	28.602	1
93	M99	Mx	0	1
94	M97	X	59.793	1
95	M97	Z	103.565	1
96	M97	Mx	0	1
97	M95	X	59.793	1
98	M95	Z	103.565	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	78.654	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	78.654	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	39.979	2
9	MP4B	Mx	-.017	2
10	MP4B	X	0	4
11	MP4B	Z	39.979	4
12	MP4B	Mx	-.017	4
13	MP4C	X	0	2
14	MP4C	Z	27.088	2
15	MP4C	Mx	.014	2
16	MP4C	X	0	4
17	MP4C	Z	27.088	4
18	MP4C	Mx	.014	4
19	MP2A	X	0	1.5
20	MP2A	Z	62.201	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	46.852	1.5
24	MP2B	Mx	.02	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	41.735	1.5
27	MP2C	Mx	-.021	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	62.201	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	43.842	1.5
33	MP3B	Mx	.019	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	0	1.5
35	MP3C	Z	37.722	1.5
36	MP3C	Mx	-.019	1.5
37	MP1B	X	0	.5
38	MP1B	Z	97.139	.5
39	MP1B	Mx	-.042	.5
40	MP1B	X	0	5.5
41	MP1B	Z	97.139	5.5
42	MP1B	Mx	-.042	5.5
43	MP1C	X	0	1.5
44	MP1C	Z	56.038	1.5
45	MP1C	Mx	.028	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	56.038	4.5
48	MP1C	Mx	.028	4.5
49	MP1A	X	0	.5
50	MP1A	Z	115.574	.5
51	MP1A	Mx	0	.5
52	MP1A	X	0	5.5
53	MP1A	Z	115.574	5.5
54	MP1A	Mx	0	5.5
55	MP3A	X	0	.5
56	MP3A	Z	110.558	.5
57	MP3A	Mx	.064	.5
58	MP3A	X	0	5.5
59	MP3A	Z	110.558	5.5
60	MP3A	Mx	.064	5.5
61	MP3B	X	0	.5
62	MP3B	Z	63.305	.5
63	MP3B	Mx	-.046	.5
64	MP3B	X	0	5.5
65	MP3B	Z	63.305	5.5
66	MP3B	Mx	-.046	5.5
67	MP3C	X	0	.5
68	MP3C	Z	47.554	.5
69	MP3C	Mx	.024	.5
70	MP3C	X	0	5.5
71	MP3C	Z	47.554	5.5
72	MP3C	Mx	.024	5.5
73	MP3A	X	0	.5
74	MP3A	Z	110.558	.5
75	MP3A	Mx	-.064	.5
76	MP3A	X	0	5.5
77	MP3A	Z	110.558	5.5
78	MP3A	Mx	-.064	5.5
79	MP3B	X	0	.5
80	MP3B	Z	63.305	.5
81	MP3B	Mx	-.009	.5
82	MP3B	X	0	5.5
83	MP3B	Z	63.305	5.5
84	MP3B	Mx	-.009	5.5
85	MP3C	X	0	.5
86	MP3C	Z	47.554	.5
87	MP3C	Mx	.024	.5
88	MP3C	X	0	5.5
89	MP3C	Z	47.554	5.5
90	MP3C	Mx	.024	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M99	X	0	1
92	M99	Z	32.906	1
93	M99	Mx	0	1
94	M97	X	0	1
95	M97	Z	127.211	1
96	M97	Mx	0	1
97	M95	X	0	1
98	M95	Z	127.211	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-32.881	2
2	MP4A	Z	56.952	2
3	MP4A	Mx	.016	2
4	MP4A	X	-32.881	4
5	MP4A	Z	56.952	4
6	MP4A	Mx	.016	4
7	MP4B	X	-13.544	2
8	MP4B	Z	23.459	2
9	MP4B	Mx	-.014	2
10	MP4B	X	-13.544	4
11	MP4B	Z	23.459	4
12	MP4B	Mx	-.014	4
13	MP4C	X	-19.99	2
14	MP4C	Z	34.623	2
15	MP4C	Mx	.017	2
16	MP4C	X	-19.99	4
17	MP4C	Z	34.623	4
18	MP4C	Mx	.017	4
19	MP2A	X	-28.542	1.5
20	MP2A	Z	49.437	1.5
21	MP2A	Mx	-.014	1.5
22	MP2B	X	-20.867	1.5
23	MP2B	Z	36.144	1.5
24	MP2B	Mx	.021	1.5
25	MP2C	X	-23.426	1.5
26	MP2C	Z	40.575	1.5
27	MP2C	Mx	-.02	1.5
28	MP3A	X	-28.041	1.5
29	MP3A	Z	48.568	1.5
30	MP3A	Mx	-.014	1.5
31	MP3B	X	-18.861	1.5
32	MP3B	Z	32.668	1.5
33	MP3B	Mx	.019	1.5
34	MP3C	X	-21.921	1.5
35	MP3C	Z	37.968	1.5
36	MP3C	Mx	-.019	1.5
37	MP1B	X	-40.481	.5
38	MP1B	Z	70.115	.5
39	MP1B	Mx	-.04	.5
40	MP1B	X	-40.481	5.5
41	MP1B	Z	70.115	5.5
42	MP1B	Mx	-.04	5.5
43	MP1C	X	-29.943	1.5
44	MP1C	Z	51.863	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	.026	1.5
46	MP1C	X	-29.943	4.5
47	MP1C	Z	51.863	4.5
48	MP1C	Mx	.026	4.5
49	MP1A	X	-54.779	.5
50	MP1A	Z	94.88	.5
51	MP1A	Mx	.027	.5
52	MP1A	X	-54.779	5.5
53	MP1A	Z	94.88	5.5
54	MP1A	Mx	.027	5.5
55	MP3A	X	-47.403	.5
56	MP3A	Z	82.105	.5
57	MP3A	Mx	.072	.5
58	MP3A	X	-47.403	5.5
59	MP3A	Z	82.105	5.5
60	MP3A	Mx	.072	5.5
61	MP3B	X	-23.777	.5
62	MP3B	Z	41.183	.5
63	MP3B	Mx	-.024	.5
64	MP3B	X	-23.777	5.5
65	MP3B	Z	41.183	5.5
66	MP3B	Mx	-.024	5.5
67	MP3C	X	-31.652	.5
68	MP3C	Z	54.823	.5
69	MP3C	Mx	.009	.5
70	MP3C	X	-31.652	5.5
71	MP3C	Z	54.823	5.5
72	MP3C	Mx	.009	5.5
73	MP3A	X	-47.403	.5
74	MP3A	Z	82.105	.5
75	MP3A	Mx	-.024	.5
76	MP3A	X	-47.403	5.5
77	MP3A	Z	82.105	5.5
78	MP3A	Mx	-.024	5.5
79	MP3B	X	-23.777	.5
80	MP3B	Z	41.183	.5
81	MP3B	Mx	-.024	.5
82	MP3B	X	-23.777	5.5
83	MP3B	Z	41.183	5.5
84	MP3B	Mx	-.024	5.5
85	MP3C	X	-31.652	.5
86	MP3C	Z	54.823	.5
87	MP3C	Mx	.046	.5
88	MP3C	X	-31.652	5.5
89	MP3C	Z	54.823	5.5
90	MP3C	Mx	.046	5.5
91	M99	X	-16.513	1
92	M99	Z	28.602	1
93	M99	Mx	0	1
94	M97	X	-59.793	1
95	M97	Z	103.565	1
96	M97	Mx	0	1
97	M95	X	-59.793	1
98	M95	Z	103.565	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-34.623	2
2	MP4A	Z	19.99	2
3	MP4A	Mx	.017	2
4	MP4A	X	-34.623	4
5	MP4A	Z	19.99	4
6	MP4A	Mx	.017	4
7	MP4B	X	-34.623	2
8	MP4B	Z	19.99	2
9	MP4B	Mx	-.017	2
10	MP4B	X	-34.623	4
11	MP4B	Z	19.99	4
12	MP4B	Mx	-.017	4
13	MP4C	X	-56.952	2
14	MP4C	Z	32.881	2
15	MP4C	Mx	.016	2
16	MP4C	X	-56.952	4
17	MP4C	Z	32.881	4
18	MP4C	Mx	.016	4
19	MP2A	X	-40.575	1.5
20	MP2A	Z	23.426	1.5
21	MP2A	Mx	-.02	1.5
22	MP2B	X	-40.575	1.5
23	MP2B	Z	23.426	1.5
24	MP2B	Mx	.02	1.5
25	MP2C	X	-49.437	1.5
26	MP2C	Z	28.542	1.5
27	MP2C	Mx	-.014	1.5
28	MP3A	X	-37.968	1.5
29	MP3A	Z	21.921	1.5
30	MP3A	Mx	-.019	1.5
31	MP3B	X	-37.968	1.5
32	MP3B	Z	21.921	1.5
33	MP3B	Mx	.019	1.5
34	MP3C	X	-48.568	1.5
35	MP3C	Z	28.041	1.5
36	MP3C	Mx	-.014	1.5
37	MP1B	X	-84.125	.5
38	MP1B	Z	48.57	.5
39	MP1B	Mx	-.042	.5
40	MP1B	X	-84.125	5.5
41	MP1B	Z	48.57	5.5
42	MP1B	Mx	-.042	5.5
43	MP1C	X	-58.528	1.5
44	MP1C	Z	33.791	1.5
45	MP1C	Mx	.017	1.5
46	MP1C	X	-58.528	4.5
47	MP1C	Z	33.791	4.5
48	MP1C	Mx	.017	4.5
49	MP1A	X	-84.461	.5
50	MP1A	Z	48.763	.5
51	MP1A	Mx	.042	.5
52	MP1A	X	-84.461	5.5
53	MP1A	Z	48.763	5.5
54	MP1A	Mx	.042	5.5
55	MP3A	X	-54.823	.5
56	MP3A	Z	31.652	.5
57	MP3A	Mx	.046	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-54.823	5.5
59	MP3A	Z	31.652	5.5
60	MP3A	Mx	.046	5.5
61	MP3B	X	-54.823	.5
62	MP3B	Z	31.652	.5
63	MP3B	Mx	-.009	.5
64	MP3B	X	-54.823	5.5
65	MP3B	Z	31.652	5.5
66	MP3B	Mx	-.009	5.5
67	MP3C	X	-82.105	.5
68	MP3C	Z	47.403	.5
69	MP3C	Mx	-.024	.5
70	MP3C	X	-82.105	5.5
71	MP3C	Z	47.403	5.5
72	MP3C	Mx	-.024	5.5
73	MP3A	X	-54.823	.5
74	MP3A	Z	31.652	.5
75	MP3A	Mx	.009	.5
76	MP3A	X	-54.823	5.5
77	MP3A	Z	31.652	5.5
78	MP3A	Mx	.009	5.5
79	MP3B	X	-54.823	.5
80	MP3B	Z	31.652	.5
81	MP3B	Mx	-.046	.5
82	MP3B	X	-54.823	5.5
83	MP3B	Z	31.652	5.5
84	MP3B	Mx	-.046	5.5
85	MP3C	X	-82.105	.5
86	MP3C	Z	47.403	.5
87	MP3C	Mx	.072	.5
88	MP3C	X	-82.105	5.5
89	MP3C	Z	47.403	5.5
90	MP3C	Mx	.072	5.5
91	M99	X	-28.811	1
92	M99	Z	16.634	1
93	M99	Mx	0	1
94	M97	X	-90.359	1
95	M97	Z	52.169	1
96	M97	Mx	0	1
97	M95	X	-90.359	1
98	M95	Z	52.169	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-27.088	2
2	MP4A	Z	0	2
3	MP4A	Mx	.014	2
4	MP4A	X	-27.088	4
5	MP4A	Z	0	4
6	MP4A	Mx	.014	4
7	MP4B	X	-65.763	2
8	MP4B	Z	0	2
9	MP4B	Mx	-.016	2
10	MP4B	X	-65.763	4
11	MP4B	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	-.016	4
13	MP4C	X	-78.654	2
14	MP4C	Z	0	2
15	MP4C	Mx	0	2
16	MP4C	X	-78.654	4
17	MP4C	Z	0	4
18	MP4C	Mx	0	4
19	MP2A	X	-41.735	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.021	1.5
22	MP2B	X	-57.085	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.014	1.5
25	MP2C	X	-62.201	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	-37.722	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.019	1.5
31	MP3B	X	-56.081	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.014	1.5
34	MP3C	X	-62.201	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	0	1.5
37	MP1B	X	-129.494	.5
38	MP1B	Z	0	.5
39	MP1B	Mx	-.032	.5
40	MP1B	X	-129.494	5.5
41	MP1B	Z	0	5.5
42	MP1B	Mx	-.032	5.5
43	MP1C	X	-71.431	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	0	1.5
46	MP1C	X	-71.431	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	0	4.5
49	MP1A	X	-91.511	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	.046	.5
52	MP1A	X	-91.511	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	.046	5.5
55	MP3A	X	-47.554	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	.024	.5
58	MP3A	X	-47.554	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	.024	5.5
61	MP3B	X	-94.807	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	.024	.5
64	MP3B	X	-94.807	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	.024	5.5
67	MP3C	X	-110.558	.5
68	MP3C	Z	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	-.064	.5
70	MP3C	X	-110.558	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	-.064	5.5
73	MP3A	X	-47.554	.5
74	MP3A	Z	0	.5
75	MP3A	Mx	.024	.5
76	MP3A	X	-47.554	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	.024	5.5
79	MP3B	X	-94.807	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	-.072	.5
82	MP3B	X	-94.807	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	-.072	5.5
85	MP3C	X	-110.558	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.064	.5
88	MP3C	X	-110.558	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	.064	5.5
91	M99	X	-33.388	1
92	M99	Z	0	1
93	M99	Mx	0	1
94	M97	X	-96.713	1
95	M97	Z	0	1
96	M97	Mx	0	1
97	M95	X	-96.713	1
98	M95	Z	0	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-34.623	2
2	MP4A	Z	-19.99	2
3	MP4A	Mx	.017	2
4	MP4A	X	-34.623	4
5	MP4A	Z	-19.99	4
6	MP4A	Mx	.017	4
7	MP4B	X	-68.117	2
8	MP4B	Z	-39.327	2
9	MP4B	Mx	0	2
10	MP4B	X	-68.117	4
11	MP4B	Z	-39.327	4
12	MP4B	Mx	0	4
13	MP4C	X	-56.952	2
14	MP4C	Z	-32.881	2
15	MP4C	Mx	-.016	2
16	MP4C	X	-56.952	4
17	MP4C	Z	-32.881	4
18	MP4C	Mx	-.016	4
19	MP2A	X	-40.575	1.5
20	MP2A	Z	-23.426	1.5
21	MP2A	Mx	-.02	1.5
22	MP2B	X	-53.868	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	-31.101	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-49.437	1.5
26	MP2C	Z	-28.542	1.5
27	MP2C	Mx	.014	1.5
28	MP3A	X	-37.968	1.5
29	MP3A	Z	-21.921	1.5
30	MP3A	Mx	-.019	1.5
31	MP3B	X	-53.868	1.5
32	MP3B	Z	-31.101	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	-48.568	1.5
35	MP3C	Z	-28.041	1.5
36	MP3C	Mx	.014	1.5
37	MP1B	X	-126.155	.5
38	MP1B	Z	-72.836	.5
39	MP1B	Mx	0	.5
40	MP1B	X	-126.155	5.5
41	MP1B	Z	-72.836	5.5
42	MP1B	Mx	0	5.5
43	MP1C	X	-58.528	1.5
44	MP1C	Z	-33.791	1.5
45	MP1C	Mx	-.017	1.5
46	MP1C	X	-58.528	4.5
47	MP1C	Z	-33.791	4.5
48	MP1C	Mx	-.017	4.5
49	MP1A	X	-84.461	.5
50	MP1A	Z	-48.763	.5
51	MP1A	Mx	.042	.5
52	MP1A	X	-84.461	5.5
53	MP1A	Z	-48.763	5.5
54	MP1A	Mx	.042	5.5
55	MP3A	X	-54.823	.5
56	MP3A	Z	-31.652	.5
57	MP3A	Mx	.009	.5
58	MP3A	X	-54.823	5.5
59	MP3A	Z	-31.652	5.5
60	MP3A	Mx	.009	5.5
61	MP3B	X	-95.746	.5
62	MP3B	Z	-55.279	.5
63	MP3B	Mx	.064	.5
64	MP3B	X	-95.746	5.5
65	MP3B	Z	-55.279	5.5
66	MP3B	Mx	.064	5.5
67	MP3C	X	-82.105	.5
68	MP3C	Z	-47.403	.5
69	MP3C	Mx	-.072	.5
70	MP3C	X	-82.105	5.5
71	MP3C	Z	-47.403	5.5
72	MP3C	Mx	-.072	5.5
73	MP3A	X	-54.823	.5
74	MP3A	Z	-31.652	.5
75	MP3A	Mx	.046	.5
76	MP3A	X	-54.823	5.5
77	MP3A	Z	-31.652	5.5
78	MP3A	Mx	.046	5.5
79	MP3B	X	-95.746	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	-55.279	.5
81	MP3B	Mx	-.064	.5
82	MP3B	X	-95.746	5.5
83	MP3B	Z	-55.279	5.5
84	MP3B	Mx	-.064	5.5
85	MP3C	X	-82.105	.5
86	MP3C	Z	-47.403	.5
87	MP3C	Mx	.024	.5
88	MP3C	X	-82.105	5.5
89	MP3C	Z	-47.403	5.5
90	MP3C	Mx	.024	5.5
91	M99	X	-28.811	1
92	M99	Z	-16.634	1
93	M99	Mx	0	1
94	M97	X	-90.359	1
95	M97	Z	-52.169	1
96	M97	Mx	0	1
97	M95	X	-90.359	1
98	M95	Z	-52.169	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-32.881	2
2	MP4A	Z	-56.952	2
3	MP4A	Mx	.016	2
4	MP4A	X	-32.881	4
5	MP4A	Z	-56.952	4
6	MP4A	Mx	.016	4
7	MP4B	X	-32.881	2
8	MP4B	Z	-56.952	2
9	MP4B	Mx	.016	2
10	MP4B	X	-32.881	4
11	MP4B	Z	-56.952	4
12	MP4B	Mx	.016	4
13	MP4C	X	-19.99	2
14	MP4C	Z	-34.623	2
15	MP4C	Mx	-.017	2
16	MP4C	X	-19.99	4
17	MP4C	Z	-34.623	4
18	MP4C	Mx	-.017	4
19	MP2A	X	-28.542	1.5
20	MP2A	Z	-49.437	1.5
21	MP2A	Mx	-.014	1.5
22	MP2B	X	-28.542	1.5
23	MP2B	Z	-49.437	1.5
24	MP2B	Mx	-.014	1.5
25	MP2C	X	-23.426	1.5
26	MP2C	Z	-40.575	1.5
27	MP2C	Mx	.02	1.5
28	MP3A	X	-28.041	1.5
29	MP3A	Z	-48.568	1.5
30	MP3A	Mx	-.014	1.5
31	MP3B	X	-28.041	1.5
32	MP3B	Z	-48.568	1.5
33	MP3B	Mx	-.014	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	-21.921	1.5
35	MP3C	Z	-37.968	1.5
36	MP3C	Mx	.019	1.5
37	MP1B	X	-64.747	.5
38	MP1B	Z	-112.145	.5
39	MP1B	Mx	.032	.5
40	MP1B	X	-64.747	5.5
41	MP1B	Z	-112.145	5.5
42	MP1B	Mx	.032	5.5
43	MP1C	X	-29.943	1.5
44	MP1C	Z	-51.863	1.5
45	MP1C	Mx	-.026	1.5
46	MP1C	X	-29.943	4.5
47	MP1C	Z	-51.863	4.5
48	MP1C	Mx	-.026	4.5
49	MP1A	X	-54.779	.5
50	MP1A	Z	-94.88	.5
51	MP1A	Mx	.027	.5
52	MP1A	X	-54.779	5.5
53	MP1A	Z	-94.88	5.5
54	MP1A	Mx	.027	5.5
55	MP3A	X	-47.403	.5
56	MP3A	Z	-82.105	.5
57	MP3A	Mx	-.024	.5
58	MP3A	X	-47.403	5.5
59	MP3A	Z	-82.105	5.5
60	MP3A	Mx	-.024	5.5
61	MP3B	X	-47.403	.5
62	MP3B	Z	-82.105	.5
63	MP3B	Mx	.072	.5
64	MP3B	X	-47.403	5.5
65	MP3B	Z	-82.105	5.5
66	MP3B	Mx	.072	5.5
67	MP3C	X	-31.652	.5
68	MP3C	Z	-54.823	.5
69	MP3C	Mx	-.046	.5
70	MP3C	X	-31.652	5.5
71	MP3C	Z	-54.823	5.5
72	MP3C	Mx	-.046	5.5
73	MP3A	X	-47.403	.5
74	MP3A	Z	-82.105	.5
75	MP3A	Mx	.072	.5
76	MP3A	X	-47.403	5.5
77	MP3A	Z	-82.105	5.5
78	MP3A	Mx	.072	5.5
79	MP3B	X	-47.403	.5
80	MP3B	Z	-82.105	.5
81	MP3B	Mx	-.024	.5
82	MP3B	X	-47.403	5.5
83	MP3B	Z	-82.105	5.5
84	MP3B	Mx	-.024	5.5
85	MP3C	X	-31.652	.5
86	MP3C	Z	-54.823	.5
87	MP3C	Mx	-.009	.5
88	MP3C	X	-31.652	5.5
89	MP3C	Z	-54.823	5.5
90	MP3C	Mx	-.009	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M99	X	-16.513	1
92	M99	Z	-28.602	1
93	M99	Mx	0	1
94	M97	X	-59.793	1
95	M97	Z	-103.565	1
96	M97	Mx	0	1
97	M95	X	-59.793	1
98	M95	Z	-103.565	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	-19.517	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	-19.517	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	-11.359	2
9	MP4B	Mx	.005	2
10	MP4B	X	0	4
11	MP4B	Z	-11.359	4
12	MP4B	Mx	.005	4
13	MP4C	X	0	2
14	MP4C	Z	-8.64	2
15	MP4C	Mx	-.004	2
16	MP4C	X	0	4
17	MP4C	Z	-8.64	4
18	MP4C	Mx	-.004	4
19	MP2A	X	0	1.5
20	MP2A	Z	-16.869	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	-13.176	1.5
24	MP2B	Mx	-.006	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-11.945	1.5
27	MP2C	Mx	.006	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-16.869	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	-12.511	1.5
33	MP3B	Mx	-.005	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	-11.058	1.5
36	MP3C	Mx	.006	1.5
37	MP1B	X	0	.5
38	MP1B	Z	-20.793	.5
39	MP1B	Mx	.009	.5
40	MP1B	X	0	5.5
41	MP1B	Z	-20.793	5.5
42	MP1B	Mx	.009	5.5
43	MP1C	X	0	1.5
44	MP1C	Z	-12.581	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	-.006	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	-12.581	4.5
48	MP1C	Mx	-.006	4.5
49	MP1A	X	0	.5
50	MP1A	Z	-24.257	.5
51	MP1A	Mx	0	.5
52	MP1A	X	0	5.5
53	MP1A	Z	-24.257	5.5
54	MP1A	Mx	0	5.5
55	MP3A	X	0	.5
56	MP3A	Z	-32.784	.5
57	MP3A	Mx	-.019	.5
58	MP3A	X	0	5.5
59	MP3A	Z	-32.784	5.5
60	MP3A	Mx	-.019	5.5
61	MP3B	X	0	.5
62	MP3B	Z	-25.459	.5
63	MP3B	Mx	.018	.5
64	MP3B	X	0	5.5
65	MP3B	Z	-25.459	5.5
66	MP3B	Mx	.018	5.5
67	MP3C	X	0	.5
68	MP3C	Z	-23.017	.5
69	MP3C	Mx	-.012	.5
70	MP3C	X	0	5.5
71	MP3C	Z	-23.017	5.5
72	MP3C	Mx	-.012	5.5
73	MP3A	X	0	.5
74	MP3A	Z	-32.784	.5
75	MP3A	Mx	.019	.5
76	MP3A	X	0	5.5
77	MP3A	Z	-32.784	5.5
78	MP3A	Mx	.019	5.5
79	MP3B	X	0	.5
80	MP3B	Z	-25.459	.5
81	MP3B	Mx	.004	.5
82	MP3B	X	0	5.5
83	MP3B	Z	-25.459	5.5
84	MP3B	Mx	.004	5.5
85	MP3C	X	0	.5
86	MP3C	Z	-23.017	.5
87	MP3C	Mx	-.012	.5
88	MP3C	X	0	5.5
89	MP3C	Z	-23.017	5.5
90	MP3C	Mx	-.012	5.5
91	M99	X	0	1
92	M99	Z	-8.881	1
93	M99	Mx	0	1
94	M97	X	0	1
95	M97	Z	-33.891	1
96	M97	Mx	0	1
97	M95	X	0	1
98	M95	Z	-33.891	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.399	2
2	MP4A	Z	-14.547	2
3	MP4A	Mx	-.004	2
4	MP4A	X	8.399	4
5	MP4A	Z	-14.547	4
6	MP4A	Mx	-.004	4
7	MP4B	X	4.32	2
8	MP4B	Z	-7.482	2
9	MP4B	Mx	.004	2
10	MP4B	X	4.32	4
11	MP4B	Z	-7.482	4
12	MP4B	Mx	.004	4
13	MP4C	X	5.679	2
14	MP4C	Z	-9.837	2
15	MP4C	Mx	-.005	2
16	MP4C	X	5.679	4
17	MP4C	Z	-9.837	4
18	MP4C	Mx	-.005	4
19	MP2A	X	7.819	1.5
20	MP2A	Z	-13.543	1.5
21	MP2A	Mx	.004	1.5
22	MP2B	X	5.972	1.5
23	MP2B	Z	-10.344	1.5
24	MP2B	Mx	-.006	1.5
25	MP2C	X	6.588	1.5
26	MP2C	Z	-11.411	1.5
27	MP2C	Mx	.006	1.5
28	MP3A	X	7.708	1.5
29	MP3A	Z	-13.351	1.5
30	MP3A	Mx	.004	1.5
31	MP3B	X	5.529	1.5
32	MP3B	Z	-9.577	1.5
33	MP3B	Mx	-.006	1.5
34	MP3C	X	6.255	1.5
35	MP3C	Z	-10.835	1.5
36	MP3C	Mx	.005	1.5
37	MP1B	X	8.957	.5
38	MP1B	Z	-15.514	.5
39	MP1B	Mx	.009	.5
40	MP1B	X	8.957	5.5
41	MP1B	Z	-15.514	5.5
42	MP1B	Mx	.009	5.5
43	MP1C	X	6.644	1.5
44	MP1C	Z	-11.507	1.5
45	MP1C	Mx	-.006	1.5
46	MP1C	X	6.644	4.5
47	MP1C	Z	-11.507	4.5
48	MP1C	Mx	-.006	4.5
49	MP1A	X	11.586	.5
50	MP1A	Z	-20.067	.5
51	MP1A	Mx	-.006	.5
52	MP1A	X	11.586	5.5
53	MP1A	Z	-20.067	5.5
54	MP1A	Mx	-.006	5.5
55	MP3A	X	15.171	.5
56	MP3A	Z	-26.277	.5
57	MP3A	Mx	-.023	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	15.171	5.5
59	MP3A	Z	-26.277	5.5
60	MP3A	Mx	-.023	5.5
61	MP3B	X	11.509	.5
62	MP3B	Z	-19.934	.5
63	MP3B	Mx	.012	.5
64	MP3B	X	11.509	5.5
65	MP3B	Z	-19.934	5.5
66	MP3B	Mx	.012	5.5
67	MP3C	X	12.73	.5
68	MP3C	Z	-22.048	.5
69	MP3C	Mx	-.004	.5
70	MP3C	X	12.73	5.5
71	MP3C	Z	-22.048	5.5
72	MP3C	Mx	-.004	5.5
73	MP3A	X	15.171	.5
74	MP3A	Z	-26.277	.5
75	MP3A	Mx	.008	.5
76	MP3A	X	15.171	5.5
77	MP3A	Z	-26.277	5.5
78	MP3A	Mx	.008	5.5
79	MP3B	X	11.509	.5
80	MP3B	Z	-19.934	.5
81	MP3B	Mx	.012	.5
82	MP3B	X	11.509	5.5
83	MP3B	Z	-19.934	5.5
84	MP3B	Mx	.012	5.5
85	MP3C	X	12.73	.5
86	MP3C	Z	-22.048	.5
87	MP3C	Mx	-.018	.5
88	MP3C	X	12.73	5.5
89	MP3C	Z	-22.048	5.5
90	MP3C	Mx	-.018	5.5
91	M99	X	4.451	1
92	M99	Z	-7.709	1
93	M99	Mx	0	1
94	M97	X	16.055	1
95	M97	Z	-27.808	1
96	M97	Mx	0	1
97	M95	X	16.055	1
98	M95	Z	-27.808	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	9.837	2
2	MP4A	Z	-5.679	2
3	MP4A	Mx	-.005	2
4	MP4A	X	9.837	4
5	MP4A	Z	-5.679	4
6	MP4A	Mx	-.005	4
7	MP4B	X	9.837	2
8	MP4B	Z	-5.679	2
9	MP4B	Mx	.005	2
10	MP4B	X	9.837	4
11	MP4B	Z	-5.679	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	.005	4
13	MP4C	X	14.547	2
14	MP4C	Z	-8.399	2
15	MP4C	Mx	-.004	2
16	MP4C	X	14.547	4
17	MP4C	Z	-8.399	4
18	MP4C	Mx	-.004	4
19	MP2A	X	11.411	1.5
20	MP2A	Z	-6.588	1.5
21	MP2A	Mx	.006	1.5
22	MP2B	X	11.411	1.5
23	MP2B	Z	-6.588	1.5
24	MP2B	Mx	-.006	1.5
25	MP2C	X	13.543	1.5
26	MP2C	Z	-7.819	1.5
27	MP2C	Mx	.004	1.5
28	MP3A	X	10.835	1.5
29	MP3A	Z	-6.255	1.5
30	MP3A	Mx	.005	1.5
31	MP3B	X	10.835	1.5
32	MP3B	Z	-6.255	1.5
33	MP3B	Mx	-.005	1.5
34	MP3C	X	13.351	1.5
35	MP3C	Z	-7.708	1.5
36	MP3C	Mx	.004	1.5
37	MP1B	X	18.007	.5
38	MP1B	Z	-10.397	.5
39	MP1B	Mx	.009	.5
40	MP1B	X	18.007	5.5
41	MP1B	Z	-10.397	5.5
42	MP1B	Mx	.009	5.5
43	MP1C	X	12.73	1.5
44	MP1C	Z	-7.35	1.5
45	MP1C	Mx	-.004	1.5
46	MP1C	X	12.73	4.5
47	MP1C	Z	-7.35	4.5
48	MP1C	Mx	-.004	4.5
49	MP1A	X	18.186	.5
50	MP1A	Z	-10.5	.5
51	MP1A	Mx	-.009	.5
52	MP1A	X	18.186	5.5
53	MP1A	Z	-10.5	5.5
54	MP1A	Mx	-.009	5.5
55	MP3A	X	22.048	.5
56	MP3A	Z	-12.73	.5
57	MP3A	Mx	-.018	.5
58	MP3A	X	22.048	5.5
59	MP3A	Z	-12.73	5.5
60	MP3A	Mx	-.018	5.5
61	MP3B	X	22.048	.5
62	MP3B	Z	-12.73	.5
63	MP3B	Mx	.004	.5
64	MP3B	X	22.048	5.5
65	MP3B	Z	-12.73	5.5
66	MP3B	Mx	.004	5.5
67	MP3C	X	26.277	.5
68	MP3C	Z	-15.171	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	.008	.5
70	MP3C	X	26.277	5.5
71	MP3C	Z	-15.171	5.5
72	MP3C	Mx	.008	5.5
73	MP3A	X	22.048	.5
74	MP3A	Z	-12.73	.5
75	MP3A	Mx	-.004	.5
76	MP3A	X	22.048	5.5
77	MP3A	Z	-12.73	5.5
78	MP3A	Mx	-.004	5.5
79	MP3B	X	22.048	.5
80	MP3B	Z	-12.73	.5
81	MP3B	Mx	.018	.5
82	MP3B	X	22.048	5.5
83	MP3B	Z	-12.73	5.5
84	MP3B	Mx	.018	5.5
85	MP3C	X	26.277	.5
86	MP3C	Z	-15.171	.5
87	MP3C	Mx	-.023	.5
88	MP3C	X	26.277	5.5
89	MP3C	Z	-15.171	5.5
90	MP3C	Mx	-.023	5.5
91	M99	X	7.745	1
92	M99	Z	-4.472	1
93	M99	Mx	0	1
94	M97	X	24.723	1
95	M97	Z	-14.274	1
96	M97	Mx	0	1
97	M95	X	24.723	1
98	M95	Z	-14.274	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.64	2
2	MP4A	Z	0	2
3	MP4A	Mx	-.004	2
4	MP4A	X	8.64	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.004	4
7	MP4B	X	16.798	2
8	MP4B	Z	0	2
9	MP4B	Mx	.004	2
10	MP4B	X	16.798	4
11	MP4B	Z	0	4
12	MP4B	Mx	.004	4
13	MP4C	X	19.517	2
14	MP4C	Z	0	2
15	MP4C	Mx	0	2
16	MP4C	X	19.517	4
17	MP4C	Z	0	4
18	MP4C	Mx	0	4
19	MP2A	X	11.945	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.006	1.5
22	MP2B	X	15.638	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.004	1.5
25	MP2C	X	16.869	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	11.058	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.006	1.5
31	MP3B	X	15.417	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.004	1.5
34	MP3C	X	16.869	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	0	1.5
37	MP1B	X	26.551	.5
38	MP1B	Z	0	.5
39	MP1B	Mx	.007	.5
40	MP1B	X	26.551	5.5
41	MP1B	Z	0	5.5
42	MP1B	Mx	.007	5.5
43	MP1C	X	15.406	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	0	1.5
46	MP1C	X	15.406	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	0	4.5
49	MP1A	X	19.914	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	-.01	.5
52	MP1A	X	19.914	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	-.01	5.5
55	MP3A	X	23.017	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	-.012	.5
58	MP3A	X	23.017	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	-.012	5.5
61	MP3B	X	30.343	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	-.008	.5
64	MP3B	X	30.343	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	-.008	5.5
67	MP3C	X	32.784	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	.019	.5
70	MP3C	X	32.784	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	.019	5.5
73	MP3A	X	23.017	.5
74	MP3A	Z	0	.5
75	MP3A	Mx	-.012	.5
76	MP3A	X	23.017	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	-.012	5.5
79	MP3B	X	30.343	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	0	.5
81	MP3B	Mx	.023	.5
82	MP3B	X	30.343	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	.023	5.5
85	MP3C	X	32.784	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.019	.5
88	MP3C	X	32.784	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	-.019	5.5
91	M99	X	8.964	1
92	M99	Z	0	1
93	M99	Mx	0	1
94	M97	X	26.767	1
95	M97	Z	0	1
96	M97	Mx	0	1
97	M95	X	26.767	1
98	M95	Z	0	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	9.837	2
2	MP4A	Z	5.679	2
3	MP4A	Mx	-.005	2
4	MP4A	X	9.837	4
5	MP4A	Z	5.679	4
6	MP4A	Mx	-.005	4
7	MP4B	X	16.902	2
8	MP4B	Z	9.758	2
9	MP4B	Mx	0	2
10	MP4B	X	16.902	4
11	MP4B	Z	9.758	4
12	MP4B	Mx	0	4
13	MP4C	X	14.547	2
14	MP4C	Z	8.399	2
15	MP4C	Mx	.004	2
16	MP4C	X	14.547	4
17	MP4C	Z	8.399	4
18	MP4C	Mx	.004	4
19	MP2A	X	11.411	1.5
20	MP2A	Z	6.588	1.5
21	MP2A	Mx	.006	1.5
22	MP2B	X	14.609	1.5
23	MP2B	Z	8.435	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	13.543	1.5
26	MP2C	Z	7.819	1.5
27	MP2C	Mx	-.004	1.5
28	MP3A	X	10.835	1.5
29	MP3A	Z	6.255	1.5
30	MP3A	Mx	.005	1.5
31	MP3B	X	14.609	1.5
32	MP3B	Z	8.435	1.5
33	MP3B	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	13.351	1.5
35	MP3C	Z	7.708	1.5
36	MP3C	Mx	-.004	1.5
37	MP1B	X	25.487	.5
38	MP1B	Z	14.715	.5
39	MP1B	Mx	0	.5
40	MP1B	X	25.487	5.5
41	MP1B	Z	14.715	5.5
42	MP1B	Mx	0	5.5
43	MP1C	X	12.73	1.5
44	MP1C	Z	7.35	1.5
45	MP1C	Mx	.004	1.5
46	MP1C	X	12.73	4.5
47	MP1C	Z	7.35	4.5
48	MP1C	Mx	.004	4.5
49	MP1A	X	18.186	.5
50	MP1A	Z	10.5	.5
51	MP1A	Mx	-.009	.5
52	MP1A	X	18.186	5.5
53	MP1A	Z	10.5	5.5
54	MP1A	Mx	-.009	5.5
55	MP3A	X	22.048	.5
56	MP3A	Z	12.73	.5
57	MP3A	Mx	-.004	.5
58	MP3A	X	22.048	5.5
59	MP3A	Z	12.73	5.5
60	MP3A	Mx	-.004	5.5
61	MP3B	X	28.392	.5
62	MP3B	Z	16.392	.5
63	MP3B	Mx	-.019	.5
64	MP3B	X	28.392	5.5
65	MP3B	Z	16.392	5.5
66	MP3B	Mx	-.019	5.5
67	MP3C	X	26.277	.5
68	MP3C	Z	15.171	.5
69	MP3C	Mx	.023	.5
70	MP3C	X	26.277	5.5
71	MP3C	Z	15.171	5.5
72	MP3C	Mx	.023	5.5
73	MP3A	X	22.048	.5
74	MP3A	Z	12.73	.5
75	MP3A	Mx	-.018	.5
76	MP3A	X	22.048	5.5
77	MP3A	Z	12.73	5.5
78	MP3A	Mx	-.018	5.5
79	MP3B	X	28.392	.5
80	MP3B	Z	16.392	.5
81	MP3B	Mx	.019	.5
82	MP3B	X	28.392	5.5
83	MP3B	Z	16.392	5.5
84	MP3B	Mx	.019	5.5
85	MP3C	X	26.277	.5
86	MP3C	Z	15.171	.5
87	MP3C	Mx	-.008	.5
88	MP3C	X	26.277	5.5
89	MP3C	Z	15.171	5.5
90	MP3C	Mx	-.008	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M99	X	7.745	1
92	M99	Z	4.472	1
93	M99	Mx	0	1
94	M97	X	24.723	1
95	M97	Z	14.274	1
96	M97	Mx	0	1
97	M95	X	24.723	1
98	M95	Z	14.274	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.399	2
2	MP4A	Z	14.547	2
3	MP4A	Mx	-.004	2
4	MP4A	X	8.399	4
5	MP4A	Z	14.547	4
6	MP4A	Mx	-.004	4
7	MP4B	X	8.399	2
8	MP4B	Z	14.547	2
9	MP4B	Mx	-.004	2
10	MP4B	X	8.399	4
11	MP4B	Z	14.547	4
12	MP4B	Mx	-.004	4
13	MP4C	X	5.679	2
14	MP4C	Z	9.837	2
15	MP4C	Mx	.005	2
16	MP4C	X	5.679	4
17	MP4C	Z	9.837	4
18	MP4C	Mx	.005	4
19	MP2A	X	7.819	1.5
20	MP2A	Z	13.543	1.5
21	MP2A	Mx	.004	1.5
22	MP2B	X	7.819	1.5
23	MP2B	Z	13.543	1.5
24	MP2B	Mx	.004	1.5
25	MP2C	X	6.588	1.5
26	MP2C	Z	11.411	1.5
27	MP2C	Mx	-.006	1.5
28	MP3A	X	7.708	1.5
29	MP3A	Z	13.351	1.5
30	MP3A	Mx	.004	1.5
31	MP3B	X	7.708	1.5
32	MP3B	Z	13.351	1.5
33	MP3B	Mx	.004	1.5
34	MP3C	X	6.255	1.5
35	MP3C	Z	10.835	1.5
36	MP3C	Mx	-.005	1.5
37	MP1B	X	13.276	.5
38	MP1B	Z	22.994	.5
39	MP1B	Mx	-.007	.5
40	MP1B	X	13.276	5.5
41	MP1B	Z	22.994	5.5
42	MP1B	Mx	-.007	5.5
43	MP1C	X	6.644	1.5
44	MP1C	Z	11.507	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	.006	1.5
46	MP1C	X	6.644	4.5
47	MP1C	Z	11.507	4.5
48	MP1C	Mx	.006	4.5
49	MP1A	X	11.586	.5
50	MP1A	Z	20.067	.5
51	MP1A	Mx	-.006	.5
52	MP1A	X	11.586	5.5
53	MP1A	Z	20.067	5.5
54	MP1A	Mx	-.006	5.5
55	MP3A	X	15.171	.5
56	MP3A	Z	26.277	.5
57	MP3A	Mx	.008	.5
58	MP3A	X	15.171	5.5
59	MP3A	Z	26.277	5.5
60	MP3A	Mx	.008	5.5
61	MP3B	X	15.171	.5
62	MP3B	Z	26.277	.5
63	MP3B	Mx	-.023	.5
64	MP3B	X	15.171	5.5
65	MP3B	Z	26.277	5.5
66	MP3B	Mx	-.023	5.5
67	MP3C	X	12.73	.5
68	MP3C	Z	22.048	.5
69	MP3C	Mx	.018	.5
70	MP3C	X	12.73	5.5
71	MP3C	Z	22.048	5.5
72	MP3C	Mx	.018	5.5
73	MP3A	X	15.171	.5
74	MP3A	Z	26.277	.5
75	MP3A	Mx	-.023	.5
76	MP3A	X	15.171	5.5
77	MP3A	Z	26.277	5.5
78	MP3A	Mx	-.023	5.5
79	MP3B	X	15.171	.5
80	MP3B	Z	26.277	.5
81	MP3B	Mx	.008	.5
82	MP3B	X	15.171	5.5
83	MP3B	Z	26.277	5.5
84	MP3B	Mx	.008	5.5
85	MP3C	X	12.73	.5
86	MP3C	Z	22.048	.5
87	MP3C	Mx	.004	.5
88	MP3C	X	12.73	5.5
89	MP3C	Z	22.048	5.5
90	MP3C	Mx	.004	5.5
91	M99	X	4.451	1
92	M99	Z	7.709	1
93	M99	Mx	0	1
94	M97	X	16.055	1
95	M97	Z	27.808	1
96	M97	Mx	0	1
97	M95	X	16.055	1
98	M95	Z	27.808	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	19.517	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	19.517	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	11.359	2
9	MP4B	Mx	-.005	2
10	MP4B	X	0	4
11	MP4B	Z	11.359	4
12	MP4B	Mx	-.005	4
13	MP4C	X	0	2
14	MP4C	Z	8.64	2
15	MP4C	Mx	.004	2
16	MP4C	X	0	4
17	MP4C	Z	8.64	4
18	MP4C	Mx	.004	4
19	MP2A	X	0	1.5
20	MP2A	Z	16.869	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	13.176	1.5
24	MP2B	Mx	.006	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	11.945	1.5
27	MP2C	Mx	-.006	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	16.869	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	12.511	1.5
33	MP3B	Mx	.005	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	11.058	1.5
36	MP3C	Mx	-.006	1.5
37	MP1B	X	0	.5
38	MP1B	Z	20.793	.5
39	MP1B	Mx	-.009	.5
40	MP1B	X	0	5.5
41	MP1B	Z	20.793	5.5
42	MP1B	Mx	-.009	5.5
43	MP1C	X	0	1.5
44	MP1C	Z	12.581	1.5
45	MP1C	Mx	.006	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	12.581	4.5
48	MP1C	Mx	.006	4.5
49	MP1A	X	0	.5
50	MP1A	Z	24.257	.5
51	MP1A	Mx	0	.5
52	MP1A	X	0	5.5
53	MP1A	Z	24.257	5.5
54	MP1A	Mx	0	5.5
55	MP3A	X	0	.5
56	MP3A	Z	32.784	.5
57	MP3A	Mx	.019	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	0	5.5
59	MP3A	Z	32.784	5.5
60	MP3A	Mx	.019	5.5
61	MP3B	X	0	.5
62	MP3B	Z	25.459	.5
63	MP3B	Mx	-.018	.5
64	MP3B	X	0	5.5
65	MP3B	Z	25.459	5.5
66	MP3B	Mx	-.018	5.5
67	MP3C	X	0	.5
68	MP3C	Z	23.017	.5
69	MP3C	Mx	.012	.5
70	MP3C	X	0	5.5
71	MP3C	Z	23.017	5.5
72	MP3C	Mx	.012	5.5
73	MP3A	X	0	.5
74	MP3A	Z	32.784	.5
75	MP3A	Mx	-.019	.5
76	MP3A	X	0	5.5
77	MP3A	Z	32.784	5.5
78	MP3A	Mx	-.019	5.5
79	MP3B	X	0	.5
80	MP3B	Z	25.459	.5
81	MP3B	Mx	-.004	.5
82	MP3B	X	0	5.5
83	MP3B	Z	25.459	5.5
84	MP3B	Mx	-.004	5.5
85	MP3C	X	0	.5
86	MP3C	Z	23.017	.5
87	MP3C	Mx	.012	.5
88	MP3C	X	0	5.5
89	MP3C	Z	23.017	5.5
90	MP3C	Mx	.012	5.5
91	M99	X	0	1
92	M99	Z	8.881	1
93	M99	Mx	0	1
94	M97	X	0	1
95	M97	Z	33.891	1
96	M97	Mx	0	1
97	M95	X	0	1
98	M95	Z	33.891	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.399	2
2	MP4A	Z	14.547	2
3	MP4A	Mx	.004	2
4	MP4A	X	-8.399	4
5	MP4A	Z	14.547	4
6	MP4A	Mx	.004	4
7	MP4B	X	-4.32	2
8	MP4B	Z	7.482	2
9	MP4B	Mx	-.004	2
10	MP4B	X	-4.32	4
11	MP4B	Z	7.482	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	-.004	4
13	MP4C	X	-5.679	2
14	MP4C	Z	9.837	2
15	MP4C	Mx	.005	2
16	MP4C	X	-5.679	4
17	MP4C	Z	9.837	4
18	MP4C	Mx	.005	4
19	MP2A	X	-7.819	1.5
20	MP2A	Z	13.543	1.5
21	MP2A	Mx	-.004	1.5
22	MP2B	X	-5.972	1.5
23	MP2B	Z	10.344	1.5
24	MP2B	Mx	.006	1.5
25	MP2C	X	-6.588	1.5
26	MP2C	Z	11.411	1.5
27	MP2C	Mx	-.006	1.5
28	MP3A	X	-7.708	1.5
29	MP3A	Z	13.351	1.5
30	MP3A	Mx	-.004	1.5
31	MP3B	X	-5.529	1.5
32	MP3B	Z	9.577	1.5
33	MP3B	Mx	.006	1.5
34	MP3C	X	-6.255	1.5
35	MP3C	Z	10.835	1.5
36	MP3C	Mx	-.005	1.5
37	MP1B	X	-8.957	.5
38	MP1B	Z	15.514	.5
39	MP1B	Mx	-.009	.5
40	MP1B	X	-8.957	5.5
41	MP1B	Z	15.514	5.5
42	MP1B	Mx	-.009	5.5
43	MP1C	X	-6.644	1.5
44	MP1C	Z	11.507	1.5
45	MP1C	Mx	.006	1.5
46	MP1C	X	-6.644	4.5
47	MP1C	Z	11.507	4.5
48	MP1C	Mx	.006	4.5
49	MP1A	X	-11.586	.5
50	MP1A	Z	20.067	.5
51	MP1A	Mx	.006	.5
52	MP1A	X	-11.586	5.5
53	MP1A	Z	20.067	5.5
54	MP1A	Mx	.006	5.5
55	MP3A	X	-15.171	.5
56	MP3A	Z	26.277	.5
57	MP3A	Mx	.023	.5
58	MP3A	X	-15.171	5.5
59	MP3A	Z	26.277	5.5
60	MP3A	Mx	.023	5.5
61	MP3B	X	-11.509	.5
62	MP3B	Z	19.934	.5
63	MP3B	Mx	-.012	.5
64	MP3B	X	-11.509	5.5
65	MP3B	Z	19.934	5.5
66	MP3B	Mx	-.012	5.5
67	MP3C	X	-12.73	.5
68	MP3C	Z	22.048	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	.004	.5
70	MP3C	X	-12.73	5.5
71	MP3C	Z	22.048	5.5
72	MP3C	Mx	.004	5.5
73	MP3A	X	-15.171	.5
74	MP3A	Z	26.277	.5
75	MP3A	Mx	-.008	.5
76	MP3A	X	-15.171	5.5
77	MP3A	Z	26.277	5.5
78	MP3A	Mx	-.008	5.5
79	MP3B	X	-11.509	.5
80	MP3B	Z	19.934	.5
81	MP3B	Mx	-.012	.5
82	MP3B	X	-11.509	5.5
83	MP3B	Z	19.934	5.5
84	MP3B	Mx	-.012	5.5
85	MP3C	X	-12.73	.5
86	MP3C	Z	22.048	.5
87	MP3C	Mx	.018	.5
88	MP3C	X	-12.73	5.5
89	MP3C	Z	22.048	5.5
90	MP3C	Mx	.018	5.5
91	M99	X	-4.451	1
92	M99	Z	7.709	1
93	M99	Mx	0	1
94	M97	X	-16.055	1
95	M97	Z	27.808	1
96	M97	Mx	0	1
97	M95	X	-16.055	1
98	M95	Z	27.808	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-9.837	2
2	MP4A	Z	5.679	2
3	MP4A	Mx	.005	2
4	MP4A	X	-9.837	4
5	MP4A	Z	5.679	4
6	MP4A	Mx	.005	4
7	MP4B	X	-9.837	2
8	MP4B	Z	5.679	2
9	MP4B	Mx	-.005	2
10	MP4B	X	-9.837	4
11	MP4B	Z	5.679	4
12	MP4B	Mx	-.005	4
13	MP4C	X	-14.547	2
14	MP4C	Z	8.399	2
15	MP4C	Mx	.004	2
16	MP4C	X	-14.547	4
17	MP4C	Z	8.399	4
18	MP4C	Mx	.004	4
19	MP2A	X	-11.411	1.5
20	MP2A	Z	6.588	1.5
21	MP2A	Mx	-.006	1.5
22	MP2B	X	-11.411	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	6.588	1.5
24	MP2B	Mx	.006	1.5
25	MP2C	X	-13.543	1.5
26	MP2C	Z	7.819	1.5
27	MP2C	Mx	-.004	1.5
28	MP3A	X	-10.835	1.5
29	MP3A	Z	6.255	1.5
30	MP3A	Mx	-.005	1.5
31	MP3B	X	-10.835	1.5
32	MP3B	Z	6.255	1.5
33	MP3B	Mx	.005	1.5
34	MP3C	X	-13.351	1.5
35	MP3C	Z	7.708	1.5
36	MP3C	Mx	-.004	1.5
37	MP1B	X	-18.007	.5
38	MP1B	Z	10.397	.5
39	MP1B	Mx	-.009	.5
40	MP1B	X	-18.007	5.5
41	MP1B	Z	10.397	5.5
42	MP1B	Mx	-.009	5.5
43	MP1C	X	-12.73	1.5
44	MP1C	Z	7.35	1.5
45	MP1C	Mx	.004	1.5
46	MP1C	X	-12.73	4.5
47	MP1C	Z	7.35	4.5
48	MP1C	Mx	.004	4.5
49	MP1A	X	-18.186	.5
50	MP1A	Z	10.5	.5
51	MP1A	Mx	.009	.5
52	MP1A	X	-18.186	5.5
53	MP1A	Z	10.5	5.5
54	MP1A	Mx	.009	5.5
55	MP3A	X	-22.048	.5
56	MP3A	Z	12.73	.5
57	MP3A	Mx	.018	.5
58	MP3A	X	-22.048	5.5
59	MP3A	Z	12.73	5.5
60	MP3A	Mx	.018	5.5
61	MP3B	X	-22.048	.5
62	MP3B	Z	12.73	.5
63	MP3B	Mx	-.004	.5
64	MP3B	X	-22.048	5.5
65	MP3B	Z	12.73	5.5
66	MP3B	Mx	-.004	5.5
67	MP3C	X	-26.277	.5
68	MP3C	Z	15.171	.5
69	MP3C	Mx	-.008	.5
70	MP3C	X	-26.277	5.5
71	MP3C	Z	15.171	5.5
72	MP3C	Mx	-.008	5.5
73	MP3A	X	-22.048	.5
74	MP3A	Z	12.73	.5
75	MP3A	Mx	.004	.5
76	MP3A	X	-22.048	5.5
77	MP3A	Z	12.73	5.5
78	MP3A	Mx	.004	5.5
79	MP3B	X	-22.048	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	12.73	.5
81	MP3B	Mx	-.018	.5
82	MP3B	X	-22.048	5.5
83	MP3B	Z	12.73	5.5
84	MP3B	Mx	-.018	5.5
85	MP3C	X	-26.277	.5
86	MP3C	Z	15.171	.5
87	MP3C	Mx	.023	.5
88	MP3C	X	-26.277	5.5
89	MP3C	Z	15.171	5.5
90	MP3C	Mx	.023	5.5
91	M99	X	-7.745	1
92	M99	Z	4.472	1
93	M99	Mx	0	1
94	M97	X	-24.723	1
95	M97	Z	14.274	1
96	M97	Mx	0	1
97	M95	X	-24.723	1
98	M95	Z	14.274	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.64	2
2	MP4A	Z	0	2
3	MP4A	Mx	.004	2
4	MP4A	X	-8.64	4
5	MP4A	Z	0	4
6	MP4A	Mx	.004	4
7	MP4B	X	-16.798	2
8	MP4B	Z	0	2
9	MP4B	Mx	-.004	2
10	MP4B	X	-16.798	4
11	MP4B	Z	0	4
12	MP4B	Mx	-.004	4
13	MP4C	X	-19.517	2
14	MP4C	Z	0	2
15	MP4C	Mx	0	2
16	MP4C	X	-19.517	4
17	MP4C	Z	0	4
18	MP4C	Mx	0	4
19	MP2A	X	-11.945	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.006	1.5
22	MP2B	X	-15.638	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.004	1.5
25	MP2C	X	-16.869	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	-11.058	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.006	1.5
31	MP3B	X	-15.417	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	-16.869	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	0	1.5
37	MP1B	X	-26.551	.5
38	MP1B	Z	0	.5
39	MP1B	Mx	-.007	.5
40	MP1B	X	-26.551	5.5
41	MP1B	Z	0	5.5
42	MP1B	Mx	-.007	5.5
43	MP1C	X	-15.406	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	0	1.5
46	MP1C	X	-15.406	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	0	4.5
49	MP1A	X	-19.914	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	.01	.5
52	MP1A	X	-19.914	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	.01	5.5
55	MP3A	X	-23.017	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	.012	.5
58	MP3A	X	-23.017	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	.012	5.5
61	MP3B	X	-30.343	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	.008	.5
64	MP3B	X	-30.343	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	.008	5.5
67	MP3C	X	-32.784	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	-.019	.5
70	MP3C	X	-32.784	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	-.019	5.5
73	MP3A	X	-23.017	.5
74	MP3A	Z	0	.5
75	MP3A	Mx	.012	.5
76	MP3A	X	-23.017	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	.012	5.5
79	MP3B	X	-30.343	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	-.023	.5
82	MP3B	X	-30.343	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	-.023	5.5
85	MP3C	X	-32.784	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.019	.5
88	MP3C	X	-32.784	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	.019	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M99	X	-8.964	1
92	M99	Z	0	1
93	M99	Mx	0	1
94	M97	X	-26.767	1
95	M97	Z	0	1
96	M97	Mx	0	1
97	M95	X	-26.767	1
98	M95	Z	0	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-9.837	2
2	MP4A	Z	-5.679	2
3	MP4A	Mx	.005	2
4	MP4A	X	-9.837	4
5	MP4A	Z	-5.679	4
6	MP4A	Mx	.005	4
7	MP4B	X	-16.902	2
8	MP4B	Z	-9.758	2
9	MP4B	Mx	0	2
10	MP4B	X	-16.902	4
11	MP4B	Z	-9.758	4
12	MP4B	Mx	0	4
13	MP4C	X	-14.547	2
14	MP4C	Z	-8.399	2
15	MP4C	Mx	-.004	2
16	MP4C	X	-14.547	4
17	MP4C	Z	-8.399	4
18	MP4C	Mx	-.004	4
19	MP2A	X	-11.411	1.5
20	MP2A	Z	-6.588	1.5
21	MP2A	Mx	-.006	1.5
22	MP2B	X	-14.609	1.5
23	MP2B	Z	-8.435	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-13.543	1.5
26	MP2C	Z	-7.819	1.5
27	MP2C	Mx	.004	1.5
28	MP3A	X	-10.835	1.5
29	MP3A	Z	-6.255	1.5
30	MP3A	Mx	-.005	1.5
31	MP3B	X	-14.609	1.5
32	MP3B	Z	-8.435	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	-13.351	1.5
35	MP3C	Z	-7.708	1.5
36	MP3C	Mx	.004	1.5
37	MP1B	X	-25.487	.5
38	MP1B	Z	-14.715	.5
39	MP1B	Mx	0	.5
40	MP1B	X	-25.487	5.5
41	MP1B	Z	-14.715	5.5
42	MP1B	Mx	0	5.5
43	MP1C	X	-12.73	1.5
44	MP1C	Z	-7.35	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	-.004	1.5
46	MP1C	X	-12.73	4.5
47	MP1C	Z	-7.35	4.5
48	MP1C	Mx	-.004	4.5
49	MP1A	X	-18.186	.5
50	MP1A	Z	-10.5	.5
51	MP1A	Mx	.009	.5
52	MP1A	X	-18.186	5.5
53	MP1A	Z	-10.5	5.5
54	MP1A	Mx	.009	5.5
55	MP3A	X	-22.048	.5
56	MP3A	Z	-12.73	.5
57	MP3A	Mx	.004	.5
58	MP3A	X	-22.048	5.5
59	MP3A	Z	-12.73	5.5
60	MP3A	Mx	.004	5.5
61	MP3B	X	-28.392	.5
62	MP3B	Z	-16.392	.5
63	MP3B	Mx	.019	.5
64	MP3B	X	-28.392	5.5
65	MP3B	Z	-16.392	5.5
66	MP3B	Mx	.019	5.5
67	MP3C	X	-26.277	.5
68	MP3C	Z	-15.171	.5
69	MP3C	Mx	-.023	.5
70	MP3C	X	-26.277	5.5
71	MP3C	Z	-15.171	5.5
72	MP3C	Mx	-.023	5.5
73	MP3A	X	-22.048	.5
74	MP3A	Z	-12.73	.5
75	MP3A	Mx	.018	.5
76	MP3A	X	-22.048	5.5
77	MP3A	Z	-12.73	5.5
78	MP3A	Mx	.018	5.5
79	MP3B	X	-28.392	.5
80	MP3B	Z	-16.392	.5
81	MP3B	Mx	-.019	.5
82	MP3B	X	-28.392	5.5
83	MP3B	Z	-16.392	5.5
84	MP3B	Mx	-.019	5.5
85	MP3C	X	-26.277	.5
86	MP3C	Z	-15.171	.5
87	MP3C	Mx	.008	.5
88	MP3C	X	-26.277	5.5
89	MP3C	Z	-15.171	5.5
90	MP3C	Mx	.008	5.5
91	M99	X	-7.745	1
92	M99	Z	-4.472	1
93	M99	Mx	0	1
94	M97	X	-24.723	1
95	M97	Z	-14.274	1
96	M97	Mx	0	1
97	M95	X	-24.723	1
98	M95	Z	-14.274	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.399	2
2	MP4A	Z	-14.547	2
3	MP4A	Mx	.004	2
4	MP4A	X	-8.399	4
5	MP4A	Z	-14.547	4
6	MP4A	Mx	.004	4
7	MP4B	X	-8.399	2
8	MP4B	Z	-14.547	2
9	MP4B	Mx	.004	2
10	MP4B	X	-8.399	4
11	MP4B	Z	-14.547	4
12	MP4B	Mx	.004	4
13	MP4C	X	-5.679	2
14	MP4C	Z	-9.837	2
15	MP4C	Mx	-.005	2
16	MP4C	X	-5.679	4
17	MP4C	Z	-9.837	4
18	MP4C	Mx	-.005	4
19	MP2A	X	-7.819	1.5
20	MP2A	Z	-13.543	1.5
21	MP2A	Mx	-.004	1.5
22	MP2B	X	-7.819	1.5
23	MP2B	Z	-13.543	1.5
24	MP2B	Mx	-.004	1.5
25	MP2C	X	-6.588	1.5
26	MP2C	Z	-11.411	1.5
27	MP2C	Mx	.006	1.5
28	MP3A	X	-7.708	1.5
29	MP3A	Z	-13.351	1.5
30	MP3A	Mx	-.004	1.5
31	MP3B	X	-7.708	1.5
32	MP3B	Z	-13.351	1.5
33	MP3B	Mx	-.004	1.5
34	MP3C	X	-6.255	1.5
35	MP3C	Z	-10.835	1.5
36	MP3C	Mx	.005	1.5
37	MP1B	X	-13.276	.5
38	MP1B	Z	-22.994	.5
39	MP1B	Mx	.007	.5
40	MP1B	X	-13.276	5.5
41	MP1B	Z	-22.994	5.5
42	MP1B	Mx	.007	5.5
43	MP1C	X	-6.644	1.5
44	MP1C	Z	-11.507	1.5
45	MP1C	Mx	-.006	1.5
46	MP1C	X	-6.644	4.5
47	MP1C	Z	-11.507	4.5
48	MP1C	Mx	-.006	4.5
49	MP1A	X	-11.586	.5
50	MP1A	Z	-20.067	.5
51	MP1A	Mx	.006	.5
52	MP1A	X	-11.586	5.5
53	MP1A	Z	-20.067	5.5
54	MP1A	Mx	.006	5.5
55	MP3A	X	-15.171	.5
56	MP3A	Z	-26.277	.5
57	MP3A	Mx	-.008	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-15.171	5.5
59	MP3A	Z	-26.277	5.5
60	MP3A	Mx	-.008	5.5
61	MP3B	X	-15.171	.5
62	MP3B	Z	-26.277	.5
63	MP3B	Mx	.023	.5
64	MP3B	X	-15.171	5.5
65	MP3B	Z	-26.277	5.5
66	MP3B	Mx	.023	5.5
67	MP3C	X	-12.73	.5
68	MP3C	Z	-22.048	.5
69	MP3C	Mx	-.018	.5
70	MP3C	X	-12.73	5.5
71	MP3C	Z	-22.048	5.5
72	MP3C	Mx	-.018	5.5
73	MP3A	X	-15.171	.5
74	MP3A	Z	-26.277	.5
75	MP3A	Mx	.023	.5
76	MP3A	X	-15.171	5.5
77	MP3A	Z	-26.277	5.5
78	MP3A	Mx	.023	5.5
79	MP3B	X	-15.171	.5
80	MP3B	Z	-26.277	.5
81	MP3B	Mx	-.008	.5
82	MP3B	X	-15.171	5.5
83	MP3B	Z	-26.277	5.5
84	MP3B	Mx	-.008	5.5
85	MP3C	X	-12.73	.5
86	MP3C	Z	-22.048	.5
87	MP3C	Mx	-.004	.5
88	MP3C	X	-12.73	5.5
89	MP3C	Z	-22.048	5.5
90	MP3C	Mx	-.004	5.5
91	M99	X	-4.451	1
92	M99	Z	-7.709	1
93	M99	Mx	0	1
94	M97	X	-16.055	1
95	M97	Z	-27.808	1
96	M97	Mx	0	1
97	M95	X	-16.055	1
98	M95	Z	-27.808	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	-4.916	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	-4.916	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	-2.499	2
9	MP4B	Mx	.001	2
10	MP4B	X	0	4
11	MP4B	Z	-2.499	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	.001	4
13	MP4C	X	0	2
14	MP4C	Z	-1.693	2
15	MP4C	Mx	-.000847	2
16	MP4C	X	0	4
17	MP4C	Z	-1.693	4
18	MP4C	Mx	-.000847	4
19	MP2A	X	0	1.5
20	MP2A	Z	-3.888	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	-2.928	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-2.608	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	-3.888	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	-2.74	1.5
33	MP3B	Mx	-.001	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	-2.358	1.5
36	MP3C	Mx	.001	1.5
37	MP1B	X	0	.5
38	MP1B	Z	-6.071	.5
39	MP1B	Mx	.003	.5
40	MP1B	X	0	5.5
41	MP1B	Z	-6.071	5.5
42	MP1B	Mx	.003	5.5
43	MP1C	X	0	1.5
44	MP1C	Z	-3.502	1.5
45	MP1C	Mx	-.002	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	-3.502	4.5
48	MP1C	Mx	-.002	4.5
49	MP1A	X	0	.5
50	MP1A	Z	-7.223	.5
51	MP1A	Mx	0	.5
52	MP1A	X	0	5.5
53	MP1A	Z	-7.223	5.5
54	MP1A	Mx	0	5.5
55	MP3A	X	0	.5
56	MP3A	Z	-6.91	.5
57	MP3A	Mx	-.004	.5
58	MP3A	X	0	5.5
59	MP3A	Z	-6.91	5.5
60	MP3A	Mx	-.004	5.5
61	MP3B	X	0	.5
62	MP3B	Z	-3.957	.5
63	MP3B	Mx	.003	.5
64	MP3B	X	0	5.5
65	MP3B	Z	-3.957	5.5
66	MP3B	Mx	.003	5.5
67	MP3C	X	0	.5
68	MP3C	Z	-2.972	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	-.001	.5
70	MP3C	X	0	5.5
71	MP3C	Z	-2.972	5.5
72	MP3C	Mx	-.001	5.5
73	MP3A	X	0	.5
74	MP3A	Z	-6.91	.5
75	MP3A	Mx	.004	.5
76	MP3A	X	0	5.5
77	MP3A	Z	-6.91	5.5
78	MP3A	Mx	.004	5.5
79	MP3B	X	0	.5
80	MP3B	Z	-3.957	.5
81	MP3B	Mx	.000559	.5
82	MP3B	X	0	5.5
83	MP3B	Z	-3.957	5.5
84	MP3B	Mx	.000559	5.5
85	MP3C	X	0	.5
86	MP3C	Z	-2.972	.5
87	MP3C	Mx	-.001	.5
88	MP3C	X	0	5.5
89	MP3C	Z	-2.972	5.5
90	MP3C	Mx	-.001	5.5
91	M99	X	0	1
92	M99	Z	-2.057	1
93	M99	Mx	0	1
94	M97	X	0	1
95	M97	Z	-7.951	1
96	M97	Mx	0	1
97	M95	X	0	1
98	M95	Z	-7.951	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.055	2
2	MP4A	Z	-3.56	2
3	MP4A	Mx	-.001	2
4	MP4A	X	2.055	4
5	MP4A	Z	-3.56	4
6	MP4A	Mx	-.001	4
7	MP4B	X	.846	2
8	MP4B	Z	-1.466	2
9	MP4B	Mx	.000846	2
10	MP4B	X	.846	4
11	MP4B	Z	-1.466	4
12	MP4B	Mx	.000846	4
13	MP4C	X	1.249	2
14	MP4C	Z	-2.164	2
15	MP4C	Mx	-.001	2
16	MP4C	X	1.249	4
17	MP4C	Z	-2.164	4
18	MP4C	Mx	-.001	4
19	MP2A	X	1.784	1.5
20	MP2A	Z	-3.09	1.5
21	MP2A	Mx	.000892	1.5
22	MP2B	X	1.304	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	-2.259	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	1.464	1.5
26	MP2C	Z	-2.536	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	1.753	1.5
29	MP3A	Z	-3.035	1.5
30	MP3A	Mx	.000876	1.5
31	MP3B	X	1.179	1.5
32	MP3B	Z	-2.042	1.5
33	MP3B	Mx	-.001	1.5
34	MP3C	X	1.37	1.5
35	MP3C	Z	-2.373	1.5
36	MP3C	Mx	.001	1.5
37	MP1B	X	2.53	.5
38	MP1B	Z	-4.382	.5
39	MP1B	Mx	.003	.5
40	MP1B	X	2.53	5.5
41	MP1B	Z	-4.382	5.5
42	MP1B	Mx	.003	5.5
43	MP1C	X	1.871	1.5
44	MP1C	Z	-3.241	1.5
45	MP1C	Mx	-.002	1.5
46	MP1C	X	1.871	4.5
47	MP1C	Z	-3.241	4.5
48	MP1C	Mx	-.002	4.5
49	MP1A	X	3.424	.5
50	MP1A	Z	-5.93	.5
51	MP1A	Mx	-.002	.5
52	MP1A	X	3.424	5.5
53	MP1A	Z	-5.93	5.5
54	MP1A	Mx	-.002	5.5
55	MP3A	X	2.963	.5
56	MP3A	Z	-5.132	.5
57	MP3A	Mx	-.004	.5
58	MP3A	X	2.963	5.5
59	MP3A	Z	-5.132	5.5
60	MP3A	Mx	-.004	5.5
61	MP3B	X	1.486	.5
62	MP3B	Z	-2.574	.5
63	MP3B	Mx	.001	.5
64	MP3B	X	1.486	5.5
65	MP3B	Z	-2.574	5.5
66	MP3B	Mx	.001	5.5
67	MP3C	X	1.978	.5
68	MP3C	Z	-3.426	.5
69	MP3C	Mx	-.000559	.5
70	MP3C	X	1.978	5.5
71	MP3C	Z	-3.426	5.5
72	MP3C	Mx	-.000559	5.5
73	MP3A	X	2.963	.5
74	MP3A	Z	-5.132	.5
75	MP3A	Mx	.002	.5
76	MP3A	X	2.963	5.5
77	MP3A	Z	-5.132	5.5
78	MP3A	Mx	.002	5.5
79	MP3B	X	1.486	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	-2.574	.5
81	MP3B	Mx	.001	.5
82	MP3B	X	1.486	5.5
83	MP3B	Z	-2.574	5.5
84	MP3B	Mx	.001	5.5
85	MP3C	X	1.978	.5
86	MP3C	Z	-3.426	.5
87	MP3C	Mx	-.003	.5
88	MP3C	X	1.978	5.5
89	MP3C	Z	-3.426	5.5
90	MP3C	Mx	-.003	5.5
91	M99	X	1.032	1
92	M99	Z	-1.788	1
93	M99	Mx	0	1
94	M97	X	3.737	1
95	M97	Z	-6.473	1
96	M97	Mx	0	1
97	M95	X	3.737	1
98	M95	Z	-6.473	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.164	2
2	MP4A	Z	-1.249	2
3	MP4A	Mx	-.001	2
4	MP4A	X	2.164	4
5	MP4A	Z	-1.249	4
6	MP4A	Mx	-.001	4
7	MP4B	X	2.164	2
8	MP4B	Z	-1.249	2
9	MP4B	Mx	.001	2
10	MP4B	X	2.164	4
11	MP4B	Z	-1.249	4
12	MP4B	Mx	.001	4
13	MP4C	X	3.56	2
14	MP4C	Z	-2.055	2
15	MP4C	Mx	-.001	2
16	MP4C	X	3.56	4
17	MP4C	Z	-2.055	4
18	MP4C	Mx	-.001	4
19	MP2A	X	2.536	1.5
20	MP2A	Z	-1.464	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	2.536	1.5
23	MP2B	Z	-1.464	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	3.09	1.5
26	MP2C	Z	-1.784	1.5
27	MP2C	Mx	.000892	1.5
28	MP3A	X	2.373	1.5
29	MP3A	Z	-1.37	1.5
30	MP3A	Mx	.001	1.5
31	MP3B	X	2.373	1.5
32	MP3B	Z	-1.37	1.5
33	MP3B	Mx	-.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	3.035	1.5
35	MP3C	Z	-1.753	1.5
36	MP3C	Mx	.000876	1.5
37	MP1B	X	5.258	.5
38	MP1B	Z	-3.036	.5
39	MP1B	Mx	.003	.5
40	MP1B	X	5.258	5.5
41	MP1B	Z	-3.036	5.5
42	MP1B	Mx	.003	5.5
43	MP1C	X	3.658	1.5
44	MP1C	Z	-2.112	1.5
45	MP1C	Mx	-.001	1.5
46	MP1C	X	3.658	4.5
47	MP1C	Z	-2.112	4.5
48	MP1C	Mx	-.001	4.5
49	MP1A	X	5.279	.5
50	MP1A	Z	-3.048	.5
51	MP1A	Mx	-.003	.5
52	MP1A	X	5.279	5.5
53	MP1A	Z	-3.048	5.5
54	MP1A	Mx	-.003	5.5
55	MP3A	X	3.426	.5
56	MP3A	Z	-1.978	.5
57	MP3A	Mx	-.003	.5
58	MP3A	X	3.426	5.5
59	MP3A	Z	-1.978	5.5
60	MP3A	Mx	-.003	5.5
61	MP3B	X	3.426	.5
62	MP3B	Z	-1.978	.5
63	MP3B	Mx	.000559	.5
64	MP3B	X	3.426	5.5
65	MP3B	Z	-1.978	5.5
66	MP3B	Mx	.000559	5.5
67	MP3C	X	5.132	.5
68	MP3C	Z	-2.963	.5
69	MP3C	Mx	.002	.5
70	MP3C	X	5.132	5.5
71	MP3C	Z	-2.963	5.5
72	MP3C	Mx	.002	5.5
73	MP3A	X	3.426	.5
74	MP3A	Z	-1.978	.5
75	MP3A	Mx	-.000559	.5
76	MP3A	X	3.426	5.5
77	MP3A	Z	-1.978	5.5
78	MP3A	Mx	-.000559	5.5
79	MP3B	X	3.426	.5
80	MP3B	Z	-1.978	.5
81	MP3B	Mx	.003	.5
82	MP3B	X	3.426	5.5
83	MP3B	Z	-1.978	5.5
84	MP3B	Mx	.003	5.5
85	MP3C	X	5.132	.5
86	MP3C	Z	-2.963	.5
87	MP3C	Mx	-.004	.5
88	MP3C	X	5.132	5.5
89	MP3C	Z	-2.963	5.5
90	MP3C	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M99	X	1.801	1
92	M99	Z	-1.04	1
93	M99	Mx	0	1
94	M97	X	5.647	1
95	M97	Z	-3.261	1
96	M97	Mx	0	1
97	M95	X	5.647	1
98	M95	Z	-3.261	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.693	2
2	MP4A	Z	0	2
3	MP4A	Mx	-.000847	2
4	MP4A	X	1.693	4
5	MP4A	Z	0	4
6	MP4A	Mx	-.000847	4
7	MP4B	X	4.11	2
8	MP4B	Z	0	2
9	MP4B	Mx	.001	2
10	MP4B	X	4.11	4
11	MP4B	Z	0	4
12	MP4B	Mx	.001	4
13	MP4C	X	4.916	2
14	MP4C	Z	0	2
15	MP4C	Mx	0	2
16	MP4C	X	4.916	4
17	MP4C	Z	0	4
18	MP4C	Mx	0	4
19	MP2A	X	2.608	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	3.568	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.000892	1.5
25	MP2C	X	3.888	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	2.358	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	.001	1.5
31	MP3B	X	3.505	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	-.000876	1.5
34	MP3C	X	3.888	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	0	1.5
37	MP1B	X	8.093	.5
38	MP1B	Z	0	.5
39	MP1B	Mx	.002	.5
40	MP1B	X	8.093	5.5
41	MP1B	Z	0	5.5
42	MP1B	Mx	.002	5.5
43	MP1C	X	4.464	1.5
44	MP1C	Z	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	0	1.5
46	MP1C	X	4.464	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	0	4.5
49	MP1A	X	5.719	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	-.003	.5
52	MP1A	X	5.719	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	-.003	5.5
55	MP3A	X	2.972	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	-.001	.5
58	MP3A	X	2.972	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	-.001	5.5
61	MP3B	X	5.925	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	-.002	.5
64	MP3B	X	5.925	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	-.002	5.5
67	MP3C	X	6.91	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	.004	.5
70	MP3C	X	6.91	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	.004	5.5
73	MP3A	X	2.972	.5
74	MP3A	Z	0	.5
75	MP3A	Mx	-.001	.5
76	MP3A	X	2.972	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	-.001	5.5
79	MP3B	X	5.925	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	.004	.5
82	MP3B	X	5.925	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	.004	5.5
85	MP3C	X	6.91	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	-.004	.5
88	MP3C	X	6.91	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	-.004	5.5
91	M99	X	2.087	1
92	M99	Z	0	1
93	M99	Mx	0	1
94	M97	X	6.045	1
95	M97	Z	0	1
96	M97	Mx	0	1
97	M95	X	6.045	1
98	M95	Z	0	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.164	2
2	MP4A	Z	1.249	2
3	MP4A	Mx	-.001	2
4	MP4A	X	2.164	4
5	MP4A	Z	1.249	4
6	MP4A	Mx	-.001	4
7	MP4B	X	4.257	2
8	MP4B	Z	2.458	2
9	MP4B	Mx	0	2
10	MP4B	X	4.257	4
11	MP4B	Z	2.458	4
12	MP4B	Mx	0	4
13	MP4C	X	3.56	2
14	MP4C	Z	2.055	2
15	MP4C	Mx	.001	2
16	MP4C	X	3.56	4
17	MP4C	Z	2.055	4
18	MP4C	Mx	.001	4
19	MP2A	X	2.536	1.5
20	MP2A	Z	1.464	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	3.367	1.5
23	MP2B	Z	1.944	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	3.09	1.5
26	MP2C	Z	1.784	1.5
27	MP2C	Mx	-.000892	1.5
28	MP3A	X	2.373	1.5
29	MP3A	Z	1.37	1.5
30	MP3A	Mx	.001	1.5
31	MP3B	X	3.367	1.5
32	MP3B	Z	1.944	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	3.035	1.5
35	MP3C	Z	1.753	1.5
36	MP3C	Mx	-.000876	1.5
37	MP1B	X	7.885	.5
38	MP1B	Z	4.552	.5
39	MP1B	Mx	0	.5
40	MP1B	X	7.885	5.5
41	MP1B	Z	4.552	5.5
42	MP1B	Mx	0	5.5
43	MP1C	X	3.658	1.5
44	MP1C	Z	2.112	1.5
45	MP1C	Mx	.001	1.5
46	MP1C	X	3.658	4.5
47	MP1C	Z	2.112	4.5
48	MP1C	Mx	.001	4.5
49	MP1A	X	5.279	.5
50	MP1A	Z	3.048	.5
51	MP1A	Mx	-.003	.5
52	MP1A	X	5.279	5.5
53	MP1A	Z	3.048	5.5
54	MP1A	Mx	-.003	5.5
55	MP3A	X	3.426	.5
56	MP3A	Z	1.978	.5
57	MP3A	Mx	-.000559	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	3.426	5.5
59	MP3A	Z	1.978	5.5
60	MP3A	Mx	-.000559	5.5
61	MP3B	X	5.984	.5
62	MP3B	Z	3.455	.5
63	MP3B	Mx	-.004	.5
64	MP3B	X	5.984	5.5
65	MP3B	Z	3.455	5.5
66	MP3B	Mx	-.004	5.5
67	MP3C	X	5.132	.5
68	MP3C	Z	2.963	.5
69	MP3C	Mx	.004	.5
70	MP3C	X	5.132	5.5
71	MP3C	Z	2.963	5.5
72	MP3C	Mx	.004	5.5
73	MP3A	X	3.426	.5
74	MP3A	Z	1.978	.5
75	MP3A	Mx	-.003	.5
76	MP3A	X	3.426	5.5
77	MP3A	Z	1.978	5.5
78	MP3A	Mx	-.003	5.5
79	MP3B	X	5.984	.5
80	MP3B	Z	3.455	.5
81	MP3B	Mx	.004	.5
82	MP3B	X	5.984	5.5
83	MP3B	Z	3.455	5.5
84	MP3B	Mx	.004	5.5
85	MP3C	X	5.132	.5
86	MP3C	Z	2.963	.5
87	MP3C	Mx	-.002	.5
88	MP3C	X	5.132	5.5
89	MP3C	Z	2.963	5.5
90	MP3C	Mx	-.002	5.5
91	M99	X	1.801	1
92	M99	Z	1.04	1
93	M99	Mx	0	1
94	M97	X	5.647	1
95	M97	Z	3.261	1
96	M97	Mx	0	1
97	M95	X	5.647	1
98	M95	Z	3.261	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.055	2
2	MP4A	Z	3.56	2
3	MP4A	Mx	-.001	2
4	MP4A	X	2.055	4
5	MP4A	Z	3.56	4
6	MP4A	Mx	-.001	4
7	MP4B	X	2.055	2
8	MP4B	Z	3.56	2
9	MP4B	Mx	-.001	2
10	MP4B	X	2.055	4
11	MP4B	Z	3.56	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	-.001	4
13	MP4C	X	1.249	2
14	MP4C	Z	2.164	2
15	MP4C	Mx	.001	2
16	MP4C	X	1.249	4
17	MP4C	Z	2.164	4
18	MP4C	Mx	.001	4
19	MP2A	X	1.784	1.5
20	MP2A	Z	3.09	1.5
21	MP2A	Mx	.000892	1.5
22	MP2B	X	1.784	1.5
23	MP2B	Z	3.09	1.5
24	MP2B	Mx	.000892	1.5
25	MP2C	X	1.464	1.5
26	MP2C	Z	2.536	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	1.753	1.5
29	MP3A	Z	3.035	1.5
30	MP3A	Mx	.000876	1.5
31	MP3B	X	1.753	1.5
32	MP3B	Z	3.035	1.5
33	MP3B	Mx	.000876	1.5
34	MP3C	X	1.37	1.5
35	MP3C	Z	2.373	1.5
36	MP3C	Mx	-.001	1.5
37	MP1B	X	4.047	.5
38	MP1B	Z	7.009	.5
39	MP1B	Mx	-.002	.5
40	MP1B	X	4.047	5.5
41	MP1B	Z	7.009	5.5
42	MP1B	Mx	-.002	5.5
43	MP1C	X	1.871	1.5
44	MP1C	Z	3.241	1.5
45	MP1C	Mx	.002	1.5
46	MP1C	X	1.871	4.5
47	MP1C	Z	3.241	4.5
48	MP1C	Mx	.002	4.5
49	MP1A	X	3.424	.5
50	MP1A	Z	5.93	.5
51	MP1A	Mx	-.002	.5
52	MP1A	X	3.424	5.5
53	MP1A	Z	5.93	5.5
54	MP1A	Mx	-.002	5.5
55	MP3A	X	2.963	.5
56	MP3A	Z	5.132	.5
57	MP3A	Mx	.002	.5
58	MP3A	X	2.963	5.5
59	MP3A	Z	5.132	5.5
60	MP3A	Mx	.002	5.5
61	MP3B	X	2.963	.5
62	MP3B	Z	5.132	.5
63	MP3B	Mx	-.004	.5
64	MP3B	X	2.963	5.5
65	MP3B	Z	5.132	5.5
66	MP3B	Mx	-.004	5.5
67	MP3C	X	1.978	.5
68	MP3C	Z	3.426	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	.003	.5
70	MP3C	X	1.978	5.5
71	MP3C	Z	3.426	5.5
72	MP3C	Mx	.003	5.5
73	MP3A	X	2.963	.5
74	MP3A	Z	5.132	.5
75	MP3A	Mx	-.004	.5
76	MP3A	X	2.963	5.5
77	MP3A	Z	5.132	5.5
78	MP3A	Mx	-.004	5.5
79	MP3B	X	2.963	.5
80	MP3B	Z	5.132	.5
81	MP3B	Mx	.002	.5
82	MP3B	X	2.963	5.5
83	MP3B	Z	5.132	5.5
84	MP3B	Mx	.002	5.5
85	MP3C	X	1.978	.5
86	MP3C	Z	3.426	.5
87	MP3C	Mx	.000559	.5
88	MP3C	X	1.978	5.5
89	MP3C	Z	3.426	5.5
90	MP3C	Mx	.000559	5.5
91	M99	X	1.032	1
92	M99	Z	1.788	1
93	M99	Mx	0	1
94	M97	X	3.737	1
95	M97	Z	6.473	1
96	M97	Mx	0	1
97	M95	X	3.737	1
98	M95	Z	6.473	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2
2	MP4A	Z	4.916	2
3	MP4A	Mx	0	2
4	MP4A	X	0	4
5	MP4A	Z	4.916	4
6	MP4A	Mx	0	4
7	MP4B	X	0	2
8	MP4B	Z	2.499	2
9	MP4B	Mx	-.001	2
10	MP4B	X	0	4
11	MP4B	Z	2.499	4
12	MP4B	Mx	-.001	4
13	MP4C	X	0	2
14	MP4C	Z	1.693	2
15	MP4C	Mx	.000847	2
16	MP4C	X	0	4
17	MP4C	Z	1.693	4
18	MP4C	Mx	.000847	4
19	MP2A	X	0	1.5
20	MP2A	Z	3.888	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	2.928	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	2.608	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	0	1.5
29	MP3A	Z	3.888	1.5
30	MP3A	Mx	0	1.5
31	MP3B	X	0	1.5
32	MP3B	Z	2.74	1.5
33	MP3B	Mx	.001	1.5
34	MP3C	X	0	1.5
35	MP3C	Z	2.358	1.5
36	MP3C	Mx	-.001	1.5
37	MP1B	X	0	.5
38	MP1B	Z	6.071	.5
39	MP1B	Mx	-.003	.5
40	MP1B	X	0	5.5
41	MP1B	Z	6.071	5.5
42	MP1B	Mx	-.003	5.5
43	MP1C	X	0	1.5
44	MP1C	Z	3.502	1.5
45	MP1C	Mx	.002	1.5
46	MP1C	X	0	4.5
47	MP1C	Z	3.502	4.5
48	MP1C	Mx	.002	4.5
49	MP1A	X	0	.5
50	MP1A	Z	7.223	.5
51	MP1A	Mx	0	.5
52	MP1A	X	0	5.5
53	MP1A	Z	7.223	5.5
54	MP1A	Mx	0	5.5
55	MP3A	X	0	.5
56	MP3A	Z	6.91	.5
57	MP3A	Mx	.004	.5
58	MP3A	X	0	5.5
59	MP3A	Z	6.91	5.5
60	MP3A	Mx	.004	5.5
61	MP3B	X	0	.5
62	MP3B	Z	3.957	.5
63	MP3B	Mx	-.003	.5
64	MP3B	X	0	5.5
65	MP3B	Z	3.957	5.5
66	MP3B	Mx	-.003	5.5
67	MP3C	X	0	.5
68	MP3C	Z	2.972	.5
69	MP3C	Mx	.001	.5
70	MP3C	X	0	5.5
71	MP3C	Z	2.972	5.5
72	MP3C	Mx	.001	5.5
73	MP3A	X	0	.5
74	MP3A	Z	6.91	.5
75	MP3A	Mx	-.004	.5
76	MP3A	X	0	5.5
77	MP3A	Z	6.91	5.5
78	MP3A	Mx	-.004	5.5
79	MP3B	X	0	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	3.957	.5
81	MP3B	Mx	-.000559	.5
82	MP3B	X	0	5.5
83	MP3B	Z	3.957	5.5
84	MP3B	Mx	-.000559	5.5
85	MP3C	X	0	.5
86	MP3C	Z	2.972	.5
87	MP3C	Mx	.001	.5
88	MP3C	X	0	5.5
89	MP3C	Z	2.972	5.5
90	MP3C	Mx	.001	5.5
91	M99	X	0	1
92	M99	Z	2.057	1
93	M99	Mx	0	1
94	M97	X	0	1
95	M97	Z	7.951	1
96	M97	Mx	0	1
97	M95	X	0	1
98	M95	Z	7.951	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.055	2
2	MP4A	Z	3.56	2
3	MP4A	Mx	.001	2
4	MP4A	X	-2.055	4
5	MP4A	Z	3.56	4
6	MP4A	Mx	.001	4
7	MP4B	X	-.846	2
8	MP4B	Z	1.466	2
9	MP4B	Mx	-.000846	2
10	MP4B	X	-.846	4
11	MP4B	Z	1.466	4
12	MP4B	Mx	-.000846	4
13	MP4C	X	-1.249	2
14	MP4C	Z	2.164	2
15	MP4C	Mx	.001	2
16	MP4C	X	-1.249	4
17	MP4C	Z	2.164	4
18	MP4C	Mx	.001	4
19	MP2A	X	-1.784	1.5
20	MP2A	Z	3.09	1.5
21	MP2A	Mx	-.000892	1.5
22	MP2B	X	-1.304	1.5
23	MP2B	Z	2.259	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	-1.464	1.5
26	MP2C	Z	2.536	1.5
27	MP2C	Mx	-.001	1.5
28	MP3A	X	-1.753	1.5
29	MP3A	Z	3.035	1.5
30	MP3A	Mx	-.000876	1.5
31	MP3B	X	-1.179	1.5
32	MP3B	Z	2.042	1.5
33	MP3B	Mx	.001	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	-1.37	1.5
35	MP3C	Z	2.373	1.5
36	MP3C	Mx	-.001	1.5
37	MP1B	X	-2.53	.5
38	MP1B	Z	4.382	.5
39	MP1B	Mx	-.003	.5
40	MP1B	X	-2.53	5.5
41	MP1B	Z	4.382	5.5
42	MP1B	Mx	-.003	5.5
43	MP1C	X	-1.871	1.5
44	MP1C	Z	3.241	1.5
45	MP1C	Mx	.002	1.5
46	MP1C	X	-1.871	4.5
47	MP1C	Z	3.241	4.5
48	MP1C	Mx	.002	4.5
49	MP1A	X	-3.424	.5
50	MP1A	Z	5.93	.5
51	MP1A	Mx	.002	.5
52	MP1A	X	-3.424	5.5
53	MP1A	Z	5.93	5.5
54	MP1A	Mx	.002	5.5
55	MP3A	X	-2.963	.5
56	MP3A	Z	5.132	.5
57	MP3A	Mx	.004	.5
58	MP3A	X	-2.963	5.5
59	MP3A	Z	5.132	5.5
60	MP3A	Mx	.004	5.5
61	MP3B	X	-1.486	.5
62	MP3B	Z	2.574	.5
63	MP3B	Mx	-.001	.5
64	MP3B	X	-1.486	5.5
65	MP3B	Z	2.574	5.5
66	MP3B	Mx	-.001	5.5
67	MP3C	X	-1.978	.5
68	MP3C	Z	3.426	.5
69	MP3C	Mx	.000559	.5
70	MP3C	X	-1.978	5.5
71	MP3C	Z	3.426	5.5
72	MP3C	Mx	.000559	5.5
73	MP3A	X	-2.963	.5
74	MP3A	Z	5.132	.5
75	MP3A	Mx	-.002	.5
76	MP3A	X	-2.963	5.5
77	MP3A	Z	5.132	5.5
78	MP3A	Mx	-.002	5.5
79	MP3B	X	-1.486	.5
80	MP3B	Z	2.574	.5
81	MP3B	Mx	-.001	.5
82	MP3B	X	-1.486	5.5
83	MP3B	Z	2.574	5.5
84	MP3B	Mx	-.001	5.5
85	MP3C	X	-1.978	.5
86	MP3C	Z	3.426	.5
87	MP3C	Mx	.003	.5
88	MP3C	X	-1.978	5.5
89	MP3C	Z	3.426	5.5
90	MP3C	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M99	X	-1.032	1
92	M99	Z	1.788	1
93	M99	Mx	0	1
94	M97	X	-3.737	1
95	M97	Z	6.473	1
96	M97	Mx	0	1
97	M95	X	-3.737	1
98	M95	Z	6.473	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.164	2
2	MP4A	Z	1.249	2
3	MP4A	Mx	.001	2
4	MP4A	X	-2.164	4
5	MP4A	Z	1.249	4
6	MP4A	Mx	.001	4
7	MP4B	X	-2.164	2
8	MP4B	Z	1.249	2
9	MP4B	Mx	-.001	2
10	MP4B	X	-2.164	4
11	MP4B	Z	1.249	4
12	MP4B	Mx	-.001	4
13	MP4C	X	-3.56	2
14	MP4C	Z	2.055	2
15	MP4C	Mx	.001	2
16	MP4C	X	-3.56	4
17	MP4C	Z	2.055	4
18	MP4C	Mx	.001	4
19	MP2A	X	-2.536	1.5
20	MP2A	Z	1.464	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-2.536	1.5
23	MP2B	Z	1.464	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	-3.09	1.5
26	MP2C	Z	1.784	1.5
27	MP2C	Mx	-.000892	1.5
28	MP3A	X	-2.373	1.5
29	MP3A	Z	1.37	1.5
30	MP3A	Mx	-.001	1.5
31	MP3B	X	-2.373	1.5
32	MP3B	Z	1.37	1.5
33	MP3B	Mx	.001	1.5
34	MP3C	X	-3.035	1.5
35	MP3C	Z	1.753	1.5
36	MP3C	Mx	-.000876	1.5
37	MP1B	X	-5.258	.5
38	MP1B	Z	3.036	.5
39	MP1B	Mx	-.003	.5
40	MP1B	X	-5.258	5.5
41	MP1B	Z	3.036	5.5
42	MP1B	Mx	-.003	5.5
43	MP1C	X	-3.658	1.5
44	MP1C	Z	2.112	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP1C	Mx	.001	1.5
46	MP1C	X	-3.658	4.5
47	MP1C	Z	2.112	4.5
48	MP1C	Mx	.001	4.5
49	MP1A	X	-5.279	.5
50	MP1A	Z	3.048	.5
51	MP1A	Mx	.003	.5
52	MP1A	X	-5.279	5.5
53	MP1A	Z	3.048	5.5
54	MP1A	Mx	.003	5.5
55	MP3A	X	-3.426	.5
56	MP3A	Z	1.978	.5
57	MP3A	Mx	.003	.5
58	MP3A	X	-3.426	5.5
59	MP3A	Z	1.978	5.5
60	MP3A	Mx	.003	5.5
61	MP3B	X	-3.426	.5
62	MP3B	Z	1.978	.5
63	MP3B	Mx	-.000559	.5
64	MP3B	X	-3.426	5.5
65	MP3B	Z	1.978	5.5
66	MP3B	Mx	-.000559	5.5
67	MP3C	X	-5.132	.5
68	MP3C	Z	2.963	.5
69	MP3C	Mx	-.002	.5
70	MP3C	X	-5.132	5.5
71	MP3C	Z	2.963	5.5
72	MP3C	Mx	-.002	5.5
73	MP3A	X	-3.426	.5
74	MP3A	Z	1.978	.5
75	MP3A	Mx	.000559	.5
76	MP3A	X	-3.426	5.5
77	MP3A	Z	1.978	5.5
78	MP3A	Mx	.000559	5.5
79	MP3B	X	-3.426	.5
80	MP3B	Z	1.978	.5
81	MP3B	Mx	-.003	.5
82	MP3B	X	-3.426	5.5
83	MP3B	Z	1.978	5.5
84	MP3B	Mx	-.003	5.5
85	MP3C	X	-5.132	.5
86	MP3C	Z	2.963	.5
87	MP3C	Mx	.004	.5
88	MP3C	X	-5.132	5.5
89	MP3C	Z	2.963	5.5
90	MP3C	Mx	.004	5.5
91	M99	X	-1.801	1
92	M99	Z	1.04	1
93	M99	Mx	0	1
94	M97	X	-5.647	1
95	M97	Z	3.261	1
96	M97	Mx	0	1
97	M95	X	-5.647	1
98	M95	Z	3.261	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.693	2
2	MP4A	Z	0	2
3	MP4A	Mx	.000847	2
4	MP4A	X	-1.693	4
5	MP4A	Z	0	4
6	MP4A	Mx	.000847	4
7	MP4B	X	-4.11	2
8	MP4B	Z	0	2
9	MP4B	Mx	-.001	2
10	MP4B	X	-4.11	4
11	MP4B	Z	0	4
12	MP4B	Mx	-.001	4
13	MP4C	X	-4.916	2
14	MP4C	Z	0	2
15	MP4C	Mx	0	2
16	MP4C	X	-4.916	4
17	MP4C	Z	0	4
18	MP4C	Mx	0	4
19	MP2A	X	-2.608	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-3.568	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.000892	1.5
25	MP2C	X	-3.888	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	0	1.5
28	MP3A	X	-2.358	1.5
29	MP3A	Z	0	1.5
30	MP3A	Mx	-.001	1.5
31	MP3B	X	-3.505	1.5
32	MP3B	Z	0	1.5
33	MP3B	Mx	.000876	1.5
34	MP3C	X	-3.888	1.5
35	MP3C	Z	0	1.5
36	MP3C	Mx	0	1.5
37	MP1B	X	-8.093	.5
38	MP1B	Z	0	.5
39	MP1B	Mx	-.002	.5
40	MP1B	X	-8.093	5.5
41	MP1B	Z	0	5.5
42	MP1B	Mx	-.002	5.5
43	MP1C	X	-4.464	1.5
44	MP1C	Z	0	1.5
45	MP1C	Mx	0	1.5
46	MP1C	X	-4.464	4.5
47	MP1C	Z	0	4.5
48	MP1C	Mx	0	4.5
49	MP1A	X	-5.719	.5
50	MP1A	Z	0	.5
51	MP1A	Mx	.003	.5
52	MP1A	X	-5.719	5.5
53	MP1A	Z	0	5.5
54	MP1A	Mx	.003	5.5
55	MP3A	X	-2.972	.5
56	MP3A	Z	0	.5
57	MP3A	Mx	.001	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP3A	X	-2.972	5.5
59	MP3A	Z	0	5.5
60	MP3A	Mx	.001	5.5
61	MP3B	X	-5.925	.5
62	MP3B	Z	0	.5
63	MP3B	Mx	.002	.5
64	MP3B	X	-5.925	5.5
65	MP3B	Z	0	5.5
66	MP3B	Mx	.002	5.5
67	MP3C	X	-6.91	.5
68	MP3C	Z	0	.5
69	MP3C	Mx	-.004	.5
70	MP3C	X	-6.91	5.5
71	MP3C	Z	0	5.5
72	MP3C	Mx	-.004	5.5
73	MP3A	X	-2.972	.5
74	MP3A	Z	0	.5
75	MP3A	Mx	.001	.5
76	MP3A	X	-2.972	5.5
77	MP3A	Z	0	5.5
78	MP3A	Mx	.001	5.5
79	MP3B	X	-5.925	.5
80	MP3B	Z	0	.5
81	MP3B	Mx	-.004	.5
82	MP3B	X	-5.925	5.5
83	MP3B	Z	0	5.5
84	MP3B	Mx	-.004	5.5
85	MP3C	X	-6.91	.5
86	MP3C	Z	0	.5
87	MP3C	Mx	.004	.5
88	MP3C	X	-6.91	5.5
89	MP3C	Z	0	5.5
90	MP3C	Mx	.004	5.5
91	M99	X	-2.087	1
92	M99	Z	0	1
93	M99	Mx	0	1
94	M97	X	-6.045	1
95	M97	Z	0	1
96	M97	Mx	0	1
97	M95	X	-6.045	1
98	M95	Z	0	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.164	2
2	MP4A	Z	-1.249	2
3	MP4A	Mx	.001	2
4	MP4A	X	-2.164	4
5	MP4A	Z	-1.249	4
6	MP4A	Mx	.001	4
7	MP4B	X	-4.257	2
8	MP4B	Z	-2.458	2
9	MP4B	Mx	0	2
10	MP4B	X	-4.257	4
11	MP4B	Z	-2.458	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP4B	Mx	0	4
13	MP4C	X	-3.56	2
14	MP4C	Z	-2.055	2
15	MP4C	Mx	-.001	2
16	MP4C	X	-3.56	4
17	MP4C	Z	-2.055	4
18	MP4C	Mx	-.001	4
19	MP2A	X	-2.536	1.5
20	MP2A	Z	-1.464	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-3.367	1.5
23	MP2B	Z	-1.944	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-3.09	1.5
26	MP2C	Z	-1.784	1.5
27	MP2C	Mx	.000892	1.5
28	MP3A	X	-2.373	1.5
29	MP3A	Z	-1.37	1.5
30	MP3A	Mx	-.001	1.5
31	MP3B	X	-3.367	1.5
32	MP3B	Z	-1.944	1.5
33	MP3B	Mx	0	1.5
34	MP3C	X	-3.035	1.5
35	MP3C	Z	-1.753	1.5
36	MP3C	Mx	.000876	1.5
37	MP1B	X	-7.885	.5
38	MP1B	Z	-4.552	.5
39	MP1B	Mx	0	.5
40	MP1B	X	-7.885	5.5
41	MP1B	Z	-4.552	5.5
42	MP1B	Mx	0	5.5
43	MP1C	X	-3.658	1.5
44	MP1C	Z	-2.112	1.5
45	MP1C	Mx	-.001	1.5
46	MP1C	X	-3.658	4.5
47	MP1C	Z	-2.112	4.5
48	MP1C	Mx	-.001	4.5
49	MP1A	X	-5.279	.5
50	MP1A	Z	-3.048	.5
51	MP1A	Mx	.003	.5
52	MP1A	X	-5.279	5.5
53	MP1A	Z	-3.048	5.5
54	MP1A	Mx	.003	5.5
55	MP3A	X	-3.426	.5
56	MP3A	Z	-1.978	.5
57	MP3A	Mx	.000559	.5
58	MP3A	X	-3.426	5.5
59	MP3A	Z	-1.978	5.5
60	MP3A	Mx	.000559	5.5
61	MP3B	X	-5.984	.5
62	MP3B	Z	-3.455	.5
63	MP3B	Mx	.004	.5
64	MP3B	X	-5.984	5.5
65	MP3B	Z	-3.455	5.5
66	MP3B	Mx	.004	5.5
67	MP3C	X	-5.132	.5
68	MP3C	Z	-2.963	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3C	Mx	-.004	.5
70	MP3C	X	-5.132	5.5
71	MP3C	Z	-2.963	5.5
72	MP3C	Mx	-.004	5.5
73	MP3A	X	-3.426	.5
74	MP3A	Z	-1.978	.5
75	MP3A	Mx	.003	.5
76	MP3A	X	-3.426	5.5
77	MP3A	Z	-1.978	5.5
78	MP3A	Mx	.003	5.5
79	MP3B	X	-5.984	.5
80	MP3B	Z	-3.455	.5
81	MP3B	Mx	-.004	.5
82	MP3B	X	-5.984	5.5
83	MP3B	Z	-3.455	5.5
84	MP3B	Mx	-.004	5.5
85	MP3C	X	-5.132	.5
86	MP3C	Z	-2.963	.5
87	MP3C	Mx	.002	.5
88	MP3C	X	-5.132	5.5
89	MP3C	Z	-2.963	5.5
90	MP3C	Mx	.002	5.5
91	M99	X	-1.801	1
92	M99	Z	-1.04	1
93	M99	Mx	0	1
94	M97	X	-5.647	1
95	M97	Z	-3.261	1
96	M97	Mx	0	1
97	M95	X	-5.647	1
98	M95	Z	-3.261	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.055	2
2	MP4A	Z	-3.56	2
3	MP4A	Mx	.001	2
4	MP4A	X	-2.055	4
5	MP4A	Z	-3.56	4
6	MP4A	Mx	.001	4
7	MP4B	X	-2.055	2
8	MP4B	Z	-3.56	2
9	MP4B	Mx	.001	2
10	MP4B	X	-2.055	4
11	MP4B	Z	-3.56	4
12	MP4B	Mx	.001	4
13	MP4C	X	-1.249	2
14	MP4C	Z	-2.164	2
15	MP4C	Mx	-.001	2
16	MP4C	X	-1.249	4
17	MP4C	Z	-2.164	4
18	MP4C	Mx	-.001	4
19	MP2A	X	-1.784	1.5
20	MP2A	Z	-3.09	1.5
21	MP2A	Mx	-.000892	1.5
22	MP2B	X	-1.784	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2B	Z	-3.09	1.5
24	MP2B	Mx	-.000892	1.5
25	MP2C	X	-1.464	1.5
26	MP2C	Z	-2.536	1.5
27	MP2C	Mx	.001	1.5
28	MP3A	X	-1.753	1.5
29	MP3A	Z	-3.035	1.5
30	MP3A	Mx	-.000876	1.5
31	MP3B	X	-1.753	1.5
32	MP3B	Z	-3.035	1.5
33	MP3B	Mx	-.000876	1.5
34	MP3C	X	-1.37	1.5
35	MP3C	Z	-2.373	1.5
36	MP3C	Mx	.001	1.5
37	MP1B	X	-4.047	.5
38	MP1B	Z	-7.009	.5
39	MP1B	Mx	.002	.5
40	MP1B	X	-4.047	5.5
41	MP1B	Z	-7.009	5.5
42	MP1B	Mx	.002	5.5
43	MP1C	X	-1.871	1.5
44	MP1C	Z	-3.241	1.5
45	MP1C	Mx	-.002	1.5
46	MP1C	X	-1.871	4.5
47	MP1C	Z	-3.241	4.5
48	MP1C	Mx	-.002	4.5
49	MP1A	X	-3.424	.5
50	MP1A	Z	-5.93	.5
51	MP1A	Mx	.002	.5
52	MP1A	X	-3.424	5.5
53	MP1A	Z	-5.93	5.5
54	MP1A	Mx	.002	5.5
55	MP3A	X	-2.963	.5
56	MP3A	Z	-5.132	.5
57	MP3A	Mx	-.002	.5
58	MP3A	X	-2.963	5.5
59	MP3A	Z	-5.132	5.5
60	MP3A	Mx	-.002	5.5
61	MP3B	X	-2.963	.5
62	MP3B	Z	-5.132	.5
63	MP3B	Mx	.004	.5
64	MP3B	X	-2.963	5.5
65	MP3B	Z	-5.132	5.5
66	MP3B	Mx	.004	5.5
67	MP3C	X	-1.978	.5
68	MP3C	Z	-3.426	.5
69	MP3C	Mx	-.003	.5
70	MP3C	X	-1.978	5.5
71	MP3C	Z	-3.426	5.5
72	MP3C	Mx	-.003	5.5
73	MP3A	X	-2.963	.5
74	MP3A	Z	-5.132	.5
75	MP3A	Mx	.004	.5
76	MP3A	X	-2.963	5.5
77	MP3A	Z	-5.132	5.5
78	MP3A	Mx	.004	5.5
79	MP3B	X	-2.963	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP3B	Z	-5.132	.5
81	MP3B	Mx	-.002	.5
82	MP3B	X	-2.963	5.5
83	MP3B	Z	-5.132	5.5
84	MP3B	Mx	-.002	5.5
85	MP3C	X	-1.978	.5
86	MP3C	Z	-3.426	.5
87	MP3C	Mx	-.000559	.5
88	MP3C	X	-1.978	5.5
89	MP3C	Z	-3.426	5.5
90	MP3C	Mx	-.000559	5.5
91	M99	X	-1.032	1
92	M99	Z	-1.788	1
93	M99	Mx	0	1
94	M97	X	-3.737	1
95	M97	Z	-6.473	1
96	M97	Mx	0	1
97	M95	X	-3.737	1
98	M95	Z	-6.473	1
99	M95	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%47

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%20

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

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	MP4A	Y	-1.682	2
2	MP4A	My	-.000841	2
3	MP4A	Mz	0	2
4	MP4A	Y	-1.682	4
5	MP4A	My	-.000841	4
6	MP4A	Mz	0	4
7	MP4B	Y	-1.682	2
8	MP4B	My	.00042	2
9	MP4B	Mz	-.000728	2
10	MP4B	Y	-1.682	4
11	MP4B	My	.00042	4
12	MP4B	Mz	-.000728	4
13	MP4C	Y	-1.682	2
14	MP4C	My	0	2
15	MP4C	Mz	.000841	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP4C	Y	-1.682	4
17	MP4C	My	0	4
18	MP4C	Mz	.000841	4
19	MP2A	Y	-2.884	1.5
20	MP2A	My	.001	1.5
21	MP2A	Mz	0	1.5
22	MP2B	Y	-2.884	1.5
23	MP2B	My	-.000721	1.5
24	MP2B	Mz	.001	1.5
25	MP2C	Y	-2.884	1.5
26	MP2C	My	0	1.5
27	MP2C	Mz	-.001	1.5
28	MP3A	Y	-2.715	1.5
29	MP3A	My	.001	1.5
30	MP3A	Mz	0	1.5
31	MP3B	Y	-2.715	1.5
32	MP3B	My	-.000679	1.5
33	MP3B	Mz	.001	1.5
34	MP3C	Y	-2.715	1.5
35	MP3C	My	0	1.5
36	MP3C	Mz	-.001	1.5
37	MP1B	Y	-.371	.5
38	MP1B	My	9.3e-5	.5
39	MP1B	Mz	-.000161	.5
40	MP1B	Y	-.371	5.5
41	MP1B	My	9.3e-5	5.5
42	MP1B	Mz	-.000161	5.5
43	MP1C	Y	-.232	1.5
44	MP1C	My	0	1.5
45	MP1C	Mz	.000116	1.5
46	MP1C	Y	-.232	4.5
47	MP1C	My	0	4.5
48	MP1C	Mz	.000116	4.5
49	MP1A	Y	-.348	.5
50	MP1A	My	-.000174	.5
51	MP1A	Mz	0	.5
52	MP1A	Y	-.348	5.5
53	MP1A	My	-.000174	5.5
54	MP1A	Mz	0	5.5
55	MP3A	Y	-.772	.5
56	MP3A	My	-.000386	.5
57	MP3A	Mz	.00045	.5
58	MP3A	Y	-.772	5.5
59	MP3A	My	-.000386	5.5
60	MP3A	Mz	.00045	5.5
61	MP3B	Y	-.772	.5
62	MP3B	My	-.000197	.5
63	MP3B	Mz	-.00056	.5
64	MP3B	Y	-.772	5.5
65	MP3B	My	-.000197	5.5
66	MP3B	Mz	-.00056	5.5
67	MP3C	Y	-.772	.5
68	MP3C	My	.00045	.5
69	MP3C	Mz	.000386	.5
70	MP3C	Y	-.772	5.5
71	MP3C	My	.00045	5.5
72	MP3C	Mz	.000386	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3A	Y	-.772	.5
74	MP3A	My	-.000386	.5
75	MP3A	Mz	-.00045	.5
76	MP3A	Y	-.772	5.5
77	MP3A	My	-.000386	5.5
78	MP3A	Mz	-.00045	5.5
79	MP3B	Y	-.772	.5
80	MP3B	My	.000583	.5
81	MP3B	Mz	-.000109	.5
82	MP3B	Y	-.772	5.5
83	MP3B	My	.000583	5.5
84	MP3B	Mz	-.000109	5.5
85	MP3C	Y	-.772	.5
86	MP3C	My	-.00045	.5
87	MP3C	Mz	.000386	.5
88	MP3C	Y	-.772	5.5
89	MP3C	My	-.00045	5.5
90	MP3C	Mz	.000386	5.5
91	M99	Y	-.853	1
92	M99	My	0	1
93	M99	Mz	0	1
94	M97	Y	-1.236	1
95	M97	My	0	1
96	M97	Mz	0	1
97	M95	Y	-1.236	1
98	M95	My	0	1
99	M95	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Z	-4.204	2
2	MP4A	Mx	0	2
3	MP4A	Z	-4.204	4
4	MP4A	Mx	0	4
5	MP4B	Z	-4.204	2
6	MP4B	Mx	.002	2
7	MP4B	Z	-4.204	4
8	MP4B	Mx	.002	4
9	MP4C	Z	-4.204	2
10	MP4C	Mx	-.002	2
11	MP4C	Z	-4.204	4
12	MP4C	Mx	-.002	4
13	MP2A	Z	-7.211	1.5
14	MP2A	Mx	0	1.5
15	MP2B	Z	-7.211	1.5
16	MP2B	Mx	-.003	1.5
17	MP2C	Z	-7.211	1.5
18	MP2C	Mx	.004	1.5
19	MP3A	Z	-6.786	1.5
20	MP3A	Mx	0	1.5
21	MP3B	Z	-6.786	1.5
22	MP3B	Mx	-.003	1.5
23	MP3C	Z	-6.786	1.5
24	MP3C	Mx	.003	1.5
25	MP1B	Z	-.927	.5
26	MP1B	Mx	.000401	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP1B	Z	-.927	5.5
28	MP1B	Mx	.000401	5.5
29	MP1C	Z	-.579	1.5
30	MP1C	Mx	-.00029	1.5
31	MP1C	Z	-.579	4.5
32	MP1C	Mx	-.00029	4.5
33	MP1A	Z	-.869	.5
34	MP1A	Mx	0	.5
35	MP1A	Z	-.869	5.5
36	MP1A	Mx	0	5.5
37	MP3A	Z	-1.931	.5
38	MP3A	Mx	-.001	.5
39	MP3A	Z	-1.931	5.5
40	MP3A	Mx	-.001	5.5
41	MP3B	Z	-1.931	.5
42	MP3B	Mx	.001	.5
43	MP3B	Z	-1.931	5.5
44	MP3B	Mx	.001	5.5
45	MP3C	Z	-1.931	.5
46	MP3C	Mx	-.000965	.5
47	MP3C	Z	-1.931	5.5
48	MP3C	Mx	-.000965	5.5
49	MP3A	Z	-1.931	.5
50	MP3A	Mx	.001	.5
51	MP3A	Z	-1.931	5.5
52	MP3A	Mx	.001	5.5
53	MP3B	Z	-1.931	.5
54	MP3B	Mx	.000273	.5
55	MP3B	Z	-1.931	5.5
56	MP3B	Mx	.000273	5.5
57	MP3C	Z	-1.931	.5
58	MP3C	Mx	-.000965	.5
59	MP3C	Z	-1.931	5.5
60	MP3C	Mx	-.000965	5.5
61	M99	Z	-2.133	1
62	M99	Mx	0	1
63	M97	Z	-3.089	1
64	M97	Mx	0	1
65	M95	Z	-3.089	1
66	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	4.204	2
2	MP4A	Mx	-.002	2
3	MP4A	X	4.204	4
4	MP4A	Mx	-.002	4
5	MP4B	X	4.204	2
6	MP4B	Mx	.001	2
7	MP4B	X	4.204	4
8	MP4B	Mx	.001	4
9	MP4C	X	4.204	2
10	MP4C	Mx	0	2
11	MP4C	X	4.204	4
12	MP4C	Mx	0	4
13	MP2A	X	7.211	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP2A	Mx	.004	1.5
15	MP2B	X	7.211	1.5
16	MP2B	Mx	-.002	1.5
17	MP2C	X	7.211	1.5
18	MP2C	Mx	0	1.5
19	MP3A	X	6.786	1.5
20	MP3A	Mx	.003	1.5
21	MP3B	X	6.786	1.5
22	MP3B	Mx	-.002	1.5
23	MP3C	X	6.786	1.5
24	MP3C	Mx	0	1.5
25	MP1B	X	.927	.5
26	MP1B	Mx	.000232	.5
27	MP1B	X	.927	5.5
28	MP1B	Mx	.000232	5.5
29	MP1C	X	.579	1.5
30	MP1C	Mx	0	1.5
31	MP1C	X	.579	4.5
32	MP1C	Mx	0	4.5
33	MP1A	X	.869	.5
34	MP1A	Mx	-.000434	.5
35	MP1A	X	.869	5.5
36	MP1A	Mx	-.000434	5.5
37	MP3A	X	1.931	.5
38	MP3A	Mx	-.000965	.5
39	MP3A	X	1.931	5.5
40	MP3A	Mx	-.000965	5.5
41	MP3B	X	1.931	.5
42	MP3B	Mx	-.000493	.5
43	MP3B	X	1.931	5.5
44	MP3B	Mx	-.000493	5.5
45	MP3C	X	1.931	.5
46	MP3C	Mx	.001	.5
47	MP3C	X	1.931	5.5
48	MP3C	Mx	.001	5.5
49	MP3A	X	1.931	.5
50	MP3A	Mx	-.000965	.5
51	MP3A	X	1.931	5.5
52	MP3A	Mx	-.000965	5.5
53	MP3B	X	1.931	.5
54	MP3B	Mx	.001	.5
55	MP3B	X	1.931	5.5
56	MP3B	Mx	.001	5.5
57	MP3C	X	1.931	.5
58	MP3C	Mx	-.001	.5
59	MP3C	X	1.931	5.5
60	MP3C	Mx	-.001	5.5
61	M99	X	2.133	1
62	M99	Mx	0	1
63	M97	X	3.089	1
64	M97	Mx	0	1
65	M95	X	3.089	1
66	M95	Mx	0	1

Joint Loads and Enforced Displacements

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

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	Y	-12.194	-12.194	0	%100
2	M2	Y	-12.194	-12.194	0	%100
3	M3	Y	-12.194	-12.194	0	%100
4	M4	Y	-12.194	-12.194	0	%100
5	M5	Y	-15.104	-15.104	0	%100
6	M8	Y	-16.559	-16.559	0	%100
7	M9	Y	-12.194	-12.194	0	%100
8	M10	Y	-12.194	-12.194	0	%100
9	M11	Y	-12.194	-12.194	0	%100
10	M12	Y	-12.194	-12.194	0	%100
11	M13	Y	-15.104	-15.104	0	%100
12	M16	Y	-16.559	-16.559	0	%100
13	M17	Y	-12.194	-12.194	0	%100
14	M18	Y	-12.194	-12.194	0	%100
15	M19	Y	-12.194	-12.194	0	%100
16	M20	Y	-12.194	-12.194	0	%100
17	M21	Y	-15.104	-15.104	0	%100
18	M24	Y	-16.559	-16.559	0	%100
19	MP1A	Y	-8.351	-8.351	0	%100
20	MP2A	Y	-8.351	-8.351	0	%100
21	MP3A	Y	-8.351	-8.351	0	%100
22	MP4A	Y	-8.351	-8.351	0	%100
23	MP1C	Y	-8.351	-8.351	0	%100
24	MP2C	Y	-8.351	-8.351	0	%100
25	MP3CA	Y	-8.351	-8.351	0	%100
26	MP4CA	Y	-8.351	-8.351	0	%100
27	MP1B	Y	-8.351	-8.351	0	%100
28	MP2B	Y	-8.351	-8.351	0	%100
29	MP3B	Y	-8.351	-8.351	0	%100
30	MP4B	Y	-8.351	-8.351	0	%100
31	MP3C	Y	-8.351	-8.351	0	%100
32	M61	Y	-9.38	-9.38	0	%100
33	M66	Y	-9.38	-9.38	0	%100
34	M71	Y	-9.38	-9.38	0	%100
35	M82	Y	-12.194	-12.194	0	%100
36	M83	Y	-12.194	-12.194	0	%100
37	M84	Y	-12.194	-12.194	0	%100
38	M86	Y	-17.353	-17.353	0	%100
39	M88	Y	-17.353	-17.353	0	%100
40	M90	Y	-17.353	-17.353	0	%100
41	MP4C	Y	-8.351	-8.351	0	%100
42	M95	Y	-8.351	-8.351	0	%100
43	M97	Y	-8.351	-8.351	0	%100
44	M99	Y	-8.351	-8.351	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	-20.065	-20.065	0	%100
3	M2	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
4	M2	Z	-12.662	-12.662	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-20.065	-20.065	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-12.662	-12.662	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-5.016	-5.016	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-5.2e-5	-5.2e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-5.016	-5.016	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-12.61	-12.61	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-8.576	-8.576	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-11.154	-11.154	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-5.016	-5.016	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-12.61	-12.61	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-5.016	-5.016	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-5.2e-5	-5.2e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-8.576	-8.576	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-11.154	-11.154	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-9.531	-9.531	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-9.531	-9.531	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-9.531	-9.531	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-9.531	-9.531	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-9.531	-9.531	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-9.531	-9.531	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	-9.531	-9.531	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	-9.531	-9.531	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-9.531	-9.531	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	-9.531	-9.531	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	-9.531	-9.531	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-9.531	-9.531	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-9.531	-9.531	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-11.537	-11.537	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-2.884	-2.884	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	-2.884	-2.884	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	-3.655	-3.655	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	-3.655	-3.655	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	-14.618	-14.618	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	-4.133	-4.133	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	-16.082	-16.082	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-16.082	-16.082	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-9.531	-9.531	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	-8.685	-8.685	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	-8.685	-8.685	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	-8.685	-8.685	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	7.524	7.524	0	%100
2	M1	Z	-13.033	-13.033	0	%100
3	M2	X	8.424	8.424	0	%100
4	M2	Z	-14.591	-14.591	0	%100
5	M3	X	7.524	7.524	0	%100
6	M3	Z	-13.033	-13.033	0	%100
7	M4	X	2.119	2.119	0	%100
8	M4	Z	-3.67	-3.67	0	%100
9	M5	X	1.429	1.429	0	%100
10	M5	Z	-2.476	-2.476	0	%100
11	M8	X	1.859	1.859	0	%100
12	M8	Z	-3.22	-3.22	0	%100
13	M9	X	7.524	7.524	0	%100
14	M9	Z	-13.033	-13.033	0	%100
15	M10	X	2.119	2.119	0	%100
16	M10	Z	-3.67	-3.67	0	%100
17	M11	X	7.524	7.524	0	%100
18	M11	Z	-13.033	-13.033	0	%100
19	M12	X	8.424	8.424	0	%100
20	M12	Z	-14.591	-14.591	0	%100
21	M13	X	1.429	1.429	0	%100
22	M13	Z	-2.476	-2.476	0	%100
23	M16	X	1.859	1.859	0	%100
24	M16	Z	-3.22	-3.22	0	%100
25	M17	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
26	M17	Z	0	0	0	%100
27	M18	X	2.093	2.093	0	%100
28	M18	Z	-3.625	-3.625	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	2.093	2.093	0	%100
32	M20	Z	-3.625	-3.625	0	%100
33	M21	X	5.718	5.718	0	%100
34	M21	Z	-9.903	-9.903	0	%100
35	M24	X	7.436	7.436	0	%100
36	M24	Z	-12.88	-12.88	0	%100
37	MP1A	X	4.765	4.765	0	%100
38	MP1A	Z	-8.254	-8.254	0	%100
39	MP2A	X	4.765	4.765	0	%100
40	MP2A	Z	-8.254	-8.254	0	%100
41	MP3A	X	4.765	4.765	0	%100
42	MP3A	Z	-8.254	-8.254	0	%100
43	MP4A	X	4.765	4.765	0	%100
44	MP4A	Z	-8.254	-8.254	0	%100
45	MP1C	X	4.765	4.765	0	%100
46	MP1C	Z	-8.254	-8.254	0	%100
47	MP2C	X	4.765	4.765	0	%100
48	MP2C	Z	-8.254	-8.254	0	%100
49	MP3CA	X	4.765	4.765	0	%100
50	MP3CA	Z	-8.254	-8.254	0	%100
51	MP4CA	X	4.765	4.765	0	%100
52	MP4CA	Z	-8.254	-8.254	0	%100
53	MP1B	X	4.765	4.765	0	%100
54	MP1B	Z	-8.254	-8.254	0	%100
55	MP2B	X	4.765	4.765	0	%100
56	MP2B	Z	-8.254	-8.254	0	%100
57	MP3B	X	4.765	4.765	0	%100
58	MP3B	Z	-8.254	-8.254	0	%100
59	MP4B	X	4.765	4.765	0	%100
60	MP4B	Z	-8.254	-8.254	0	%100
61	MP3C	X	4.765	4.765	0	%100
62	MP3C	Z	-8.254	-8.254	0	%100
63	M61	X	4.326	4.326	0	%100
64	M61	Z	-7.494	-7.494	0	%100
65	M66	X	4.326	4.326	0	%100
66	M66	Z	-7.494	-7.494	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	5.482	5.482	0	%100
70	M82	Z	-9.495	-9.495	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	5.482	5.482	0	%100
74	M84	Z	-9.495	-9.495	0	%100
75	M86	X	4.058	4.058	0	%100
76	M86	Z	-7.029	-7.029	0	%100
77	M88	X	4.058	4.058	0	%100
78	M88	Z	-7.029	-7.029	0	%100
79	M90	X	10.032	10.032	0	%100
80	M90	Z	-17.377	-17.377	0	%100
81	MP4C	X	4.765	4.765	0	%100
82	MP4C	Z	-8.254	-8.254	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
83	M95	X	4.343	4.343	0	%100
84	M95	Z	-7.522	-7.522	0	%100
85	M97	X	4.343	4.343	0	%100
86	M97	Z	-7.522	-7.522	0	%100
87	M99	X	4.343	4.343	0	%100
88	M99	Z	-7.522	-7.522	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	4.344	4.344	0	%100
2	M1	Z	-2.508	-2.508	0	%100
3	M2	X	10.921	10.921	0	%100
4	M2	Z	-6.305	-6.305	0	%100
5	M3	X	4.344	4.344	0	%100
6	M3	Z	-2.508	-2.508	0	%100
7	M4	X	4.5e-5	4.5e-5	0	%100
8	M4	Z	-2.6e-5	-2.6e-5	0	%100
9	M5	X	7.427	7.427	0	%100
10	M5	Z	-4.288	-4.288	0	%100
11	M8	X	9.66	9.66	0	%100
12	M8	Z	-5.577	-5.577	0	%100
13	M9	X	17.377	17.377	0	%100
14	M9	Z	-10.032	-10.032	0	%100
15	M10	X	10.965	10.965	0	%100
16	M10	Z	-6.331	-6.331	0	%100
17	M11	X	17.377	17.377	0	%100
18	M11	Z	-10.032	-10.032	0	%100
19	M12	X	10.965	10.965	0	%100
20	M12	Z	-6.331	-6.331	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	4.344	4.344	0	%100
26	M17	Z	-2.508	-2.508	0	%100
27	M18	X	4.5e-5	4.5e-5	0	%100
28	M18	Z	-2.6e-5	-2.6e-5	0	%100
29	M19	X	4.344	4.344	0	%100
30	M19	Z	-2.508	-2.508	0	%100
31	M20	X	10.921	10.921	0	%100
32	M20	Z	-6.305	-6.305	0	%100
33	M21	X	7.427	7.427	0	%100
34	M21	Z	-4.288	-4.288	0	%100
35	M24	X	9.66	9.66	0	%100
36	M24	Z	-5.577	-5.577	0	%100
37	MP1A	X	8.254	8.254	0	%100
38	MP1A	Z	-4.765	-4.765	0	%100
39	MP2A	X	8.254	8.254	0	%100
40	MP2A	Z	-4.765	-4.765	0	%100
41	MP3A	X	8.254	8.254	0	%100
42	MP3A	Z	-4.765	-4.765	0	%100
43	MP4A	X	8.254	8.254	0	%100
44	MP4A	Z	-4.765	-4.765	0	%100
45	MP1C	X	8.254	8.254	0	%100
46	MP1C	Z	-4.765	-4.765	0	%100
47	MP2C	X	8.254	8.254	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
48	MP2C	Z	-4.765	-4.765	0	%100
49	MP3CA	X	8.254	8.254	0	%100
50	MP3CA	Z	-4.765	-4.765	0	%100
51	MP4CA	X	8.254	8.254	0	%100
52	MP4CA	Z	-4.765	-4.765	0	%100
53	MP1B	X	8.254	8.254	0	%100
54	MP1B	Z	-4.765	-4.765	0	%100
55	MP2B	X	8.254	8.254	0	%100
56	MP2B	Z	-4.765	-4.765	0	%100
57	MP3B	X	8.254	8.254	0	%100
58	MP3B	Z	-4.765	-4.765	0	%100
59	MP4B	X	8.254	8.254	0	%100
60	MP4B	Z	-4.765	-4.765	0	%100
61	MP3C	X	8.254	8.254	0	%100
62	MP3C	Z	-4.765	-4.765	0	%100
63	M61	X	2.498	2.498	0	%100
64	M61	Z	-1.442	-1.442	0	%100
65	M66	X	9.992	9.992	0	%100
66	M66	Z	-5.769	-5.769	0	%100
67	M71	X	2.498	2.498	0	%100
68	M71	Z	-1.442	-1.442	0	%100
69	M82	X	12.66	12.66	0	%100
70	M82	Z	-7.309	-7.309	0	%100
71	M83	X	3.165	3.165	0	%100
72	M83	Z	-1.827	-1.827	0	%100
73	M84	X	3.165	3.165	0	%100
74	M84	Z	-1.827	-1.827	0	%100
75	M86	X	13.927	13.927	0	%100
76	M86	Z	-8.041	-8.041	0	%100
77	M88	X	3.58	3.58	0	%100
78	M88	Z	-2.067	-2.067	0	%100
79	M90	X	13.927	13.927	0	%100
80	M90	Z	-8.041	-8.041	0	%100
81	MP4C	X	8.254	8.254	0	%100
82	MP4C	Z	-4.765	-4.765	0	%100
83	M95	X	7.522	7.522	0	%100
84	M95	Z	-4.343	-4.343	0	%100
85	M97	X	7.522	7.522	0	%100
86	M97	Z	-4.343	-4.343	0	%100
87	M99	X	7.522	7.522	0	%100
88	M99	Z	-4.343	-4.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.186	4.186	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	4.186	4.186	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	11.435	11.435	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	14.872	14.872	0	%100
12	M8	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
13	M9	X	15.049	15.049	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	16.848	16.848	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	15.049	15.049	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	4.238	4.238	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	2.859	2.859	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	3.718	3.718	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	15.049	15.049	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	4.238	4.238	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	15.049	15.049	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	16.848	16.848	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	2.859	2.859	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	3.718	3.718	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	9.531	9.531	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	9.531	9.531	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	9.531	9.531	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	9.531	9.531	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	9.531	9.531	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	9.531	9.531	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	9.531	9.531	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	9.531	9.531	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	9.531	9.531	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	9.531	9.531	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	9.531	9.531	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	9.531	9.531	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	9.531	9.531	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	8.653	8.653	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	8.653	8.653	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	10.964	10.964	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
70	M82	Z	0	0	0	%100
71	M83	X	10.964	10.964	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	20.065	20.065	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	8.116	8.116	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	8.116	8.116	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	9.531	9.531	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	8.685	8.685	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	8.685	8.685	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	8.685	8.685	0	%100
88	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	4.344	4.344	0	%100
2	M1	Z	2.508	2.508	0	%100
3	M2	X	4.5e-5	4.5e-5	0	%100
4	M2	Z	2.6e-5	2.6e-5	0	%100
5	M3	X	4.344	4.344	0	%100
6	M3	Z	2.508	2.508	0	%100
7	M4	X	10.921	10.921	0	%100
8	M4	Z	6.305	6.305	0	%100
9	M5	X	7.427	7.427	0	%100
10	M5	Z	4.288	4.288	0	%100
11	M8	X	9.66	9.66	0	%100
12	M8	Z	5.577	5.577	0	%100
13	M9	X	4.344	4.344	0	%100
14	M9	Z	2.508	2.508	0	%100
15	M10	X	10.921	10.921	0	%100
16	M10	Z	6.305	6.305	0	%100
17	M11	X	4.344	4.344	0	%100
18	M11	Z	2.508	2.508	0	%100
19	M12	X	4.5e-5	4.5e-5	0	%100
20	M12	Z	2.6e-5	2.6e-5	0	%100
21	M13	X	7.427	7.427	0	%100
22	M13	Z	4.288	4.288	0	%100
23	M16	X	9.66	9.66	0	%100
24	M16	Z	5.577	5.577	0	%100
25	M17	X	17.377	17.377	0	%100
26	M17	Z	10.032	10.032	0	%100
27	M18	X	10.965	10.965	0	%100
28	M18	Z	6.331	6.331	0	%100
29	M19	X	17.377	17.377	0	%100
30	M19	Z	10.032	10.032	0	%100
31	M20	X	10.965	10.965	0	%100
32	M20	Z	6.331	6.331	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	8.254	8.254	0	%100
38	MP1A	Z	4.765	4.765	0	%100
39	MP2A	X	8.254	8.254	0	%100
40	MP2A	Z	4.765	4.765	0	%100
41	MP3A	X	8.254	8.254	0	%100
42	MP3A	Z	4.765	4.765	0	%100
43	MP4A	X	8.254	8.254	0	%100
44	MP4A	Z	4.765	4.765	0	%100
45	MP1C	X	8.254	8.254	0	%100
46	MP1C	Z	4.765	4.765	0	%100
47	MP2C	X	8.254	8.254	0	%100
48	MP2C	Z	4.765	4.765	0	%100
49	MP3CA	X	8.254	8.254	0	%100
50	MP3CA	Z	4.765	4.765	0	%100
51	MP4CA	X	8.254	8.254	0	%100
52	MP4CA	Z	4.765	4.765	0	%100
53	MP1B	X	8.254	8.254	0	%100
54	MP1B	Z	4.765	4.765	0	%100
55	MP2B	X	8.254	8.254	0	%100
56	MP2B	Z	4.765	4.765	0	%100
57	MP3B	X	8.254	8.254	0	%100
58	MP3B	Z	4.765	4.765	0	%100
59	MP4B	X	8.254	8.254	0	%100
60	MP4B	Z	4.765	4.765	0	%100
61	MP3C	X	8.254	8.254	0	%100
62	MP3C	Z	4.765	4.765	0	%100
63	M61	X	2.498	2.498	0	%100
64	M61	Z	1.442	1.442	0	%100
65	M66	X	2.498	2.498	0	%100
66	M66	Z	1.442	1.442	0	%100
67	M71	X	9.992	9.992	0	%100
68	M71	Z	5.769	5.769	0	%100
69	M82	X	3.165	3.165	0	%100
70	M82	Z	1.827	1.827	0	%100
71	M83	X	12.66	12.66	0	%100
72	M83	Z	7.309	7.309	0	%100
73	M84	X	3.165	3.165	0	%100
74	M84	Z	1.827	1.827	0	%100
75	M86	X	13.927	13.927	0	%100
76	M86	Z	8.041	8.041	0	%100
77	M88	X	13.927	13.927	0	%100
78	M88	Z	8.041	8.041	0	%100
79	M90	X	3.58	3.58	0	%100
80	M90	Z	2.067	2.067	0	%100
81	MP4C	X	8.254	8.254	0	%100
82	MP4C	Z	4.765	4.765	0	%100
83	M95	X	7.522	7.522	0	%100
84	M95	Z	4.343	4.343	0	%100
85	M97	X	7.522	7.522	0	%100
86	M97	Z	4.343	4.343	0	%100
87	M99	X	7.522	7.522	0	%100
88	M99	Z	4.343	4.343	0	%100

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

Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	7.524	7.524	0	%100
2	M1	Z	13.033	13.033	0	%100
3	M2	X	2.119	2.119	0	%100
4	M2	Z	3.67	3.67	0	%100
5	M3	X	7.524	7.524	0	%100
6	M3	Z	13.033	13.033	0	%100
7	M4	X	8.424	8.424	0	%100
8	M4	Z	14.591	14.591	0	%100
9	M5	X	1.429	1.429	0	%100
10	M5	Z	2.476	2.476	0	%100
11	M8	X	1.859	1.859	0	%100
12	M8	Z	3.22	3.22	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	2.093	2.093	0	%100
16	M10	Z	3.625	3.625	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	2.093	2.093	0	%100
20	M12	Z	3.625	3.625	0	%100
21	M13	X	5.718	5.718	0	%100
22	M13	Z	9.903	9.903	0	%100
23	M16	X	7.436	7.436	0	%100
24	M16	Z	12.88	12.88	0	%100
25	M17	X	7.524	7.524	0	%100
26	M17	Z	13.033	13.033	0	%100
27	M18	X	8.424	8.424	0	%100
28	M18	Z	14.591	14.591	0	%100
29	M19	X	7.524	7.524	0	%100
30	M19	Z	13.033	13.033	0	%100
31	M20	X	2.119	2.119	0	%100
32	M20	Z	3.67	3.67	0	%100
33	M21	X	1.429	1.429	0	%100
34	M21	Z	2.476	2.476	0	%100
35	M24	X	1.859	1.859	0	%100
36	M24	Z	3.22	3.22	0	%100
37	MP1A	X	4.765	4.765	0	%100
38	MP1A	Z	8.254	8.254	0	%100
39	MP2A	X	4.765	4.765	0	%100
40	MP2A	Z	8.254	8.254	0	%100
41	MP3A	X	4.765	4.765	0	%100
42	MP3A	Z	8.254	8.254	0	%100
43	MP4A	X	4.765	4.765	0	%100
44	MP4A	Z	8.254	8.254	0	%100
45	MP1C	X	4.765	4.765	0	%100
46	MP1C	Z	8.254	8.254	0	%100
47	MP2C	X	4.765	4.765	0	%100
48	MP2C	Z	8.254	8.254	0	%100
49	MP3CA	X	4.765	4.765	0	%100
50	MP3CA	Z	8.254	8.254	0	%100
51	MP4CA	X	4.765	4.765	0	%100
52	MP4CA	Z	8.254	8.254	0	%100
53	MP1B	X	4.765	4.765	0	%100
54	MP1B	Z	8.254	8.254	0	%100
55	MP2B	X	4.765	4.765	0	%100
56	MP2B	Z	8.254	8.254	0	%100
57	MP3B	X	4.765	4.765	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
58	MP3B	Z	8.254	8.254	0	%100
59	MP4B	X	4.765	4.765	0	%100
60	MP4B	Z	8.254	8.254	0	%100
61	MP3C	X	4.765	4.765	0	%100
62	MP3C	Z	8.254	8.254	0	%100
63	M61	X	4.326	4.326	0	%100
64	M61	Z	7.494	7.494	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	4.326	4.326	0	%100
68	M71	Z	7.494	7.494	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	5.482	5.482	0	%100
72	M83	Z	9.495	9.495	0	%100
73	M84	X	5.482	5.482	0	%100
74	M84	Z	9.495	9.495	0	%100
75	M86	X	4.058	4.058	0	%100
76	M86	Z	7.029	7.029	0	%100
77	M88	X	10.032	10.032	0	%100
78	M88	Z	17.377	17.377	0	%100
79	M90	X	4.058	4.058	0	%100
80	M90	Z	7.029	7.029	0	%100
81	MP4C	X	4.765	4.765	0	%100
82	MP4C	Z	8.254	8.254	0	%100
83	M95	X	4.343	4.343	0	%100
84	M95	Z	7.522	7.522	0	%100
85	M97	X	4.343	4.343	0	%100
86	M97	Z	7.522	7.522	0	%100
87	M99	X	4.343	4.343	0	%100
88	M99	Z	7.522	7.522	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	0	0	0	%100
2	M1	Z	20.065	20.065	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	12.662	12.662	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	20.065	20.065	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	12.662	12.662	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	5.016	5.016	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	5.2e-5	5.2e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	5.016	5.016	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	12.61	12.61	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	8.576	8.576	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
23	M16	X	0	0	0	%100
24	M16	Z	11.154	11.154	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	5.016	5.016	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	12.61	12.61	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	5.016	5.016	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	5.2e-5	5.2e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	8.576	8.576	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	11.154	11.154	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	9.531	9.531	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	9.531	9.531	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	9.531	9.531	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	9.531	9.531	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	9.531	9.531	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	9.531	9.531	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	9.531	9.531	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	9.531	9.531	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	9.531	9.531	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	9.531	9.531	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	9.531	9.531	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	9.531	9.531	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	9.531	9.531	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	11.537	11.537	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	2.884	2.884	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	2.884	2.884	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	3.655	3.655	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	3.655	3.655	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	14.618	14.618	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	4.133	4.133	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	16.082	16.082	0	%100
79	M90	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
80	M90	Z	16.082	16.082	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	9.531	9.531	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	8.685	8.685	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	8.685	8.685	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	8.685	8.685	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	-7.524	-7.524	0	%100
2	M1	Z	13.033	13.033	0	%100
3	M2	X	-8.424	-8.424	0	%100
4	M2	Z	14.591	14.591	0	%100
5	M3	X	-7.524	-7.524	0	%100
6	M3	Z	13.033	13.033	0	%100
7	M4	X	-2.119	-2.119	0	%100
8	M4	Z	3.67	3.67	0	%100
9	M5	X	-1.429	-1.429	0	%100
10	M5	Z	2.476	2.476	0	%100
11	M8	X	-1.859	-1.859	0	%100
12	M8	Z	3.22	3.22	0	%100
13	M9	X	-7.524	-7.524	0	%100
14	M9	Z	13.033	13.033	0	%100
15	M10	X	-2.119	-2.119	0	%100
16	M10	Z	3.67	3.67	0	%100
17	M11	X	-7.524	-7.524	0	%100
18	M11	Z	13.033	13.033	0	%100
19	M12	X	-8.424	-8.424	0	%100
20	M12	Z	14.591	14.591	0	%100
21	M13	X	-1.429	-1.429	0	%100
22	M13	Z	2.476	2.476	0	%100
23	M16	X	-1.859	-1.859	0	%100
24	M16	Z	3.22	3.22	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-2.093	-2.093	0	%100
28	M18	Z	3.625	3.625	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-2.093	-2.093	0	%100
32	M20	Z	3.625	3.625	0	%100
33	M21	X	-5.718	-5.718	0	%100
34	M21	Z	9.903	9.903	0	%100
35	M24	X	-7.436	-7.436	0	%100
36	M24	Z	12.88	12.88	0	%100
37	MP1A	X	-4.765	-4.765	0	%100
38	MP1A	Z	8.254	8.254	0	%100
39	MP2A	X	-4.765	-4.765	0	%100
40	MP2A	Z	8.254	8.254	0	%100
41	MP3A	X	-4.765	-4.765	0	%100
42	MP3A	Z	8.254	8.254	0	%100
43	MP4A	X	-4.765	-4.765	0	%100
44	MP4A	Z	8.254	8.254	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
45	MP1C	X	-4.765	-4.765	0	%100
46	MP1C	Z	8.254	8.254	0	%100
47	MP2C	X	-4.765	-4.765	0	%100
48	MP2C	Z	8.254	8.254	0	%100
49	MP3CA	X	-4.765	-4.765	0	%100
50	MP3CA	Z	8.254	8.254	0	%100
51	MP4CA	X	-4.765	-4.765	0	%100
52	MP4CA	Z	8.254	8.254	0	%100
53	MP1B	X	-4.765	-4.765	0	%100
54	MP1B	Z	8.254	8.254	0	%100
55	MP2B	X	-4.765	-4.765	0	%100
56	MP2B	Z	8.254	8.254	0	%100
57	MP3B	X	-4.765	-4.765	0	%100
58	MP3B	Z	8.254	8.254	0	%100
59	MP4B	X	-4.765	-4.765	0	%100
60	MP4B	Z	8.254	8.254	0	%100
61	MP3C	X	-4.765	-4.765	0	%100
62	MP3C	Z	8.254	8.254	0	%100
63	M61	X	-4.326	-4.326	0	%100
64	M61	Z	7.494	7.494	0	%100
65	M66	X	-4.326	-4.326	0	%100
66	M66	Z	7.494	7.494	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-5.482	-5.482	0	%100
70	M82	Z	9.495	9.495	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	-5.482	-5.482	0	%100
74	M84	Z	9.495	9.495	0	%100
75	M86	X	-4.058	-4.058	0	%100
76	M86	Z	7.029	7.029	0	%100
77	M88	X	-4.058	-4.058	0	%100
78	M88	Z	7.029	7.029	0	%100
79	M90	X	-10.032	-10.032	0	%100
80	M90	Z	17.377	17.377	0	%100
81	MP4C	X	-4.765	-4.765	0	%100
82	MP4C	Z	8.254	8.254	0	%100
83	M95	X	-4.343	-4.343	0	%100
84	M95	Z	7.522	7.522	0	%100
85	M97	X	-4.343	-4.343	0	%100
86	M97	Z	7.522	7.522	0	%100
87	M99	X	-4.343	-4.343	0	%100
88	M99	Z	7.522	7.522	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-4.344	-4.344	0	%100
2	M1	Z	2.508	2.508	0	%100
3	M2	X	-10.921	-10.921	0	%100
4	M2	Z	6.305	6.305	0	%100
5	M3	X	-4.344	-4.344	0	%100
6	M3	Z	2.508	2.508	0	%100
7	M4	X	-4.5e-5	-4.5e-5	0	%100
8	M4	Z	2.6e-5	2.6e-5	0	%100
9	M5	X	-7.427	-7.427	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
10	M5	Z	4.288	4.288	0	%100
11	M8	X	-9.66	-9.66	0	%100
12	M8	Z	5.577	5.577	0	%100
13	M9	X	-17.377	-17.377	0	%100
14	M9	Z	10.032	10.032	0	%100
15	M10	X	-10.965	-10.965	0	%100
16	M10	Z	6.331	6.331	0	%100
17	M11	X	-17.377	-17.377	0	%100
18	M11	Z	10.032	10.032	0	%100
19	M12	X	-10.965	-10.965	0	%100
20	M12	Z	6.331	6.331	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-4.344	-4.344	0	%100
26	M17	Z	2.508	2.508	0	%100
27	M18	X	-4.5e-5	-4.5e-5	0	%100
28	M18	Z	2.6e-5	2.6e-5	0	%100
29	M19	X	-4.344	-4.344	0	%100
30	M19	Z	2.508	2.508	0	%100
31	M20	X	-10.921	-10.921	0	%100
32	M20	Z	6.305	6.305	0	%100
33	M21	X	-7.427	-7.427	0	%100
34	M21	Z	4.288	4.288	0	%100
35	M24	X	-9.66	-9.66	0	%100
36	M24	Z	5.577	5.577	0	%100
37	MP1A	X	-8.254	-8.254	0	%100
38	MP1A	Z	4.765	4.765	0	%100
39	MP2A	X	-8.254	-8.254	0	%100
40	MP2A	Z	4.765	4.765	0	%100
41	MP3A	X	-8.254	-8.254	0	%100
42	MP3A	Z	4.765	4.765	0	%100
43	MP4A	X	-8.254	-8.254	0	%100
44	MP4A	Z	4.765	4.765	0	%100
45	MP1C	X	-8.254	-8.254	0	%100
46	MP1C	Z	4.765	4.765	0	%100
47	MP2C	X	-8.254	-8.254	0	%100
48	MP2C	Z	4.765	4.765	0	%100
49	MP3CA	X	-8.254	-8.254	0	%100
50	MP3CA	Z	4.765	4.765	0	%100
51	MP4CA	X	-8.254	-8.254	0	%100
52	MP4CA	Z	4.765	4.765	0	%100
53	MP1B	X	-8.254	-8.254	0	%100
54	MP1B	Z	4.765	4.765	0	%100
55	MP2B	X	-8.254	-8.254	0	%100
56	MP2B	Z	4.765	4.765	0	%100
57	MP3B	X	-8.254	-8.254	0	%100
58	MP3B	Z	4.765	4.765	0	%100
59	MP4B	X	-8.254	-8.254	0	%100
60	MP4B	Z	4.765	4.765	0	%100
61	MP3C	X	-8.254	-8.254	0	%100
62	MP3C	Z	4.765	4.765	0	%100
63	M61	X	-2.498	-2.498	0	%100
64	M61	Z	1.442	1.442	0	%100
65	M66	X	-9.992	-9.992	0	%100
66	M66	Z	5.769	5.769	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
67	M71	X	-2.498	-2.498	0	%100
68	M71	Z	1.442	1.442	0	%100
69	M82	X	-12.66	-12.66	0	%100
70	M82	Z	7.309	7.309	0	%100
71	M83	X	-3.165	-3.165	0	%100
72	M83	Z	1.827	1.827	0	%100
73	M84	X	-3.165	-3.165	0	%100
74	M84	Z	1.827	1.827	0	%100
75	M86	X	-13.927	-13.927	0	%100
76	M86	Z	8.041	8.041	0	%100
77	M88	X	-3.58	-3.58	0	%100
78	M88	Z	2.067	2.067	0	%100
79	M90	X	-13.927	-13.927	0	%100
80	M90	Z	8.041	8.041	0	%100
81	MP4C	X	-8.254	-8.254	0	%100
82	MP4C	Z	4.765	4.765	0	%100
83	M95	X	-7.522	-7.522	0	%100
84	M95	Z	4.343	4.343	0	%100
85	M97	X	-7.522	-7.522	0	%100
86	M97	Z	4.343	4.343	0	%100
87	M99	X	-7.522	-7.522	0	%100
88	M99	Z	4.343	4.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.186	-4.186	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	-4.186	-4.186	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-11.435	-11.435	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-14.872	-14.872	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-15.049	-15.049	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-16.848	-16.848	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-15.049	-15.049	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-4.238	-4.238	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-2.859	-2.859	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	-3.718	-3.718	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-15.049	-15.049	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-4.238	-4.238	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-15.049	-15.049	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-16.848	-16.848	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
32	M20	Z	0	0	0	%100
33	M21	X	-2.859	-2.859	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-3.718	-3.718	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-9.531	-9.531	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-9.531	-9.531	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-9.531	-9.531	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-9.531	-9.531	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	-9.531	-9.531	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-9.531	-9.531	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	-9.531	-9.531	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	-9.531	-9.531	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	-9.531	-9.531	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	-9.531	-9.531	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	-9.531	-9.531	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	-9.531	-9.531	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	-9.531	-9.531	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	-8.653	-8.653	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-8.653	-8.653	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-10.964	-10.964	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-10.964	-10.964	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	-20.065	-20.065	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	-8.116	-8.116	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	-8.116	-8.116	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	-9.531	-9.531	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	-8.685	-8.685	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	-8.685	-8.685	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	-8.685	-8.685	0	%100
88	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-4.344	-4.344	0	%100
2	M1	Z	-2.508	-2.508	0	%100
3	M2	X	-4.5e-5	-4.5e-5	0	%100
4	M2	Z	-2.6e-5	-2.6e-5	0	%100
5	M3	X	-4.344	-4.344	0	%100
6	M3	Z	-2.508	-2.508	0	%100
7	M4	X	-10.921	-10.921	0	%100
8	M4	Z	-6.305	-6.305	0	%100
9	M5	X	-7.427	-7.427	0	%100
10	M5	Z	-4.288	-4.288	0	%100
11	M8	X	-9.66	-9.66	0	%100
12	M8	Z	-5.577	-5.577	0	%100
13	M9	X	-4.344	-4.344	0	%100
14	M9	Z	-2.508	-2.508	0	%100
15	M10	X	-10.921	-10.921	0	%100
16	M10	Z	-6.305	-6.305	0	%100
17	M11	X	-4.344	-4.344	0	%100
18	M11	Z	-2.508	-2.508	0	%100
19	M12	X	-4.5e-5	-4.5e-5	0	%100
20	M12	Z	-2.6e-5	-2.6e-5	0	%100
21	M13	X	-7.427	-7.427	0	%100
22	M13	Z	-4.288	-4.288	0	%100
23	M16	X	-9.66	-9.66	0	%100
24	M16	Z	-5.577	-5.577	0	%100
25	M17	X	-17.377	-17.377	0	%100
26	M17	Z	-10.032	-10.032	0	%100
27	M18	X	-10.965	-10.965	0	%100
28	M18	Z	-6.331	-6.331	0	%100
29	M19	X	-17.377	-17.377	0	%100
30	M19	Z	-10.032	-10.032	0	%100
31	M20	X	-10.965	-10.965	0	%100
32	M20	Z	-6.331	-6.331	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-8.254	-8.254	0	%100
38	MP1A	Z	-4.765	-4.765	0	%100
39	MP2A	X	-8.254	-8.254	0	%100
40	MP2A	Z	-4.765	-4.765	0	%100
41	MP3A	X	-8.254	-8.254	0	%100
42	MP3A	Z	-4.765	-4.765	0	%100
43	MP4A	X	-8.254	-8.254	0	%100
44	MP4A	Z	-4.765	-4.765	0	%100
45	MP1C	X	-8.254	-8.254	0	%100
46	MP1C	Z	-4.765	-4.765	0	%100
47	MP2C	X	-8.254	-8.254	0	%100
48	MP2C	Z	-4.765	-4.765	0	%100
49	MP3CA	X	-8.254	-8.254	0	%100
50	MP3CA	Z	-4.765	-4.765	0	%100
51	MP4CA	X	-8.254	-8.254	0	%100
52	MP4CA	Z	-4.765	-4.765	0	%100
53	MP1B	X	-8.254	-8.254	0	%100
54	MP1B	Z	-4.765	-4.765	0	%100
55	MP2B	X	-8.254	-8.254	0	%100
56	MP2B	Z	-4.765	-4.765	0	%100
57	MP3B	X	-8.254	-8.254	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	MP3B	Z	-4.765	-4.765	0	%100
59	MP4B	X	-8.254	-8.254	0	%100
60	MP4B	Z	-4.765	-4.765	0	%100
61	MP3C	X	-8.254	-8.254	0	%100
62	MP3C	Z	-4.765	-4.765	0	%100
63	M61	X	-2.498	-2.498	0	%100
64	M61	Z	-1.442	-1.442	0	%100
65	M66	X	-2.498	-2.498	0	%100
66	M66	Z	-1.442	-1.442	0	%100
67	M71	X	-9.992	-9.992	0	%100
68	M71	Z	-5.769	-5.769	0	%100
69	M82	X	-3.165	-3.165	0	%100
70	M82	Z	-1.827	-1.827	0	%100
71	M83	X	-12.66	-12.66	0	%100
72	M83	Z	-7.309	-7.309	0	%100
73	M84	X	-3.165	-3.165	0	%100
74	M84	Z	-1.827	-1.827	0	%100
75	M86	X	-13.927	-13.927	0	%100
76	M86	Z	-8.041	-8.041	0	%100
77	M88	X	-13.927	-13.927	0	%100
78	M88	Z	-8.041	-8.041	0	%100
79	M90	X	-3.58	-3.58	0	%100
80	M90	Z	-2.067	-2.067	0	%100
81	MP4C	X	-8.254	-8.254	0	%100
82	MP4C	Z	-4.765	-4.765	0	%100
83	M95	X	-7.522	-7.522	0	%100
84	M95	Z	-4.343	-4.343	0	%100
85	M97	X	-7.522	-7.522	0	%100
86	M97	Z	-4.343	-4.343	0	%100
87	M99	X	-7.522	-7.522	0	%100
88	M99	Z	-4.343	-4.343	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-7.524	-7.524	0	%100
2	M1	Z	-13.033	-13.033	0	%100
3	M2	X	-2.119	-2.119	0	%100
4	M2	Z	-3.67	-3.67	0	%100
5	M3	X	-7.524	-7.524	0	%100
6	M3	Z	-13.033	-13.033	0	%100
7	M4	X	-8.424	-8.424	0	%100
8	M4	Z	-14.591	-14.591	0	%100
9	M5	X	-1.429	-1.429	0	%100
10	M5	Z	-2.476	-2.476	0	%100
11	M8	X	-1.859	-1.859	0	%100
12	M8	Z	-3.22	-3.22	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-2.093	-2.093	0	%100
16	M10	Z	-3.625	-3.625	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-2.093	-2.093	0	%100
20	M12	Z	-3.625	-3.625	0	%100
21	M13	X	-5.718	-5.718	0	%100
22	M13	Z	-9.903	-9.903	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
23	M16	X	-7.436	-7.436	0	%100
24	M16	Z	-12.88	-12.88	0	%100
25	M17	X	-7.524	-7.524	0	%100
26	M17	Z	-13.033	-13.033	0	%100
27	M18	X	-8.424	-8.424	0	%100
28	M18	Z	-14.591	-14.591	0	%100
29	M19	X	-7.524	-7.524	0	%100
30	M19	Z	-13.033	-13.033	0	%100
31	M20	X	-2.119	-2.119	0	%100
32	M20	Z	-3.67	-3.67	0	%100
33	M21	X	-1.429	-1.429	0	%100
34	M21	Z	-2.476	-2.476	0	%100
35	M24	X	-1.859	-1.859	0	%100
36	M24	Z	-3.22	-3.22	0	%100
37	MP1A	X	-4.765	-4.765	0	%100
38	MP1A	Z	-8.254	-8.254	0	%100
39	MP2A	X	-4.765	-4.765	0	%100
40	MP2A	Z	-8.254	-8.254	0	%100
41	MP3A	X	-4.765	-4.765	0	%100
42	MP3A	Z	-8.254	-8.254	0	%100
43	MP4A	X	-4.765	-4.765	0	%100
44	MP4A	Z	-8.254	-8.254	0	%100
45	MP1C	X	-4.765	-4.765	0	%100
46	MP1C	Z	-8.254	-8.254	0	%100
47	MP2C	X	-4.765	-4.765	0	%100
48	MP2C	Z	-8.254	-8.254	0	%100
49	MP3CA	X	-4.765	-4.765	0	%100
50	MP3CA	Z	-8.254	-8.254	0	%100
51	MP4CA	X	-4.765	-4.765	0	%100
52	MP4CA	Z	-8.254	-8.254	0	%100
53	MP1B	X	-4.765	-4.765	0	%100
54	MP1B	Z	-8.254	-8.254	0	%100
55	MP2B	X	-4.765	-4.765	0	%100
56	MP2B	Z	-8.254	-8.254	0	%100
57	MP3B	X	-4.765	-4.765	0	%100
58	MP3B	Z	-8.254	-8.254	0	%100
59	MP4B	X	-4.765	-4.765	0	%100
60	MP4B	Z	-8.254	-8.254	0	%100
61	MP3C	X	-4.765	-4.765	0	%100
62	MP3C	Z	-8.254	-8.254	0	%100
63	M61	X	-4.326	-4.326	0	%100
64	M61	Z	-7.494	-7.494	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-4.326	-4.326	0	%100
68	M71	Z	-7.494	-7.494	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-5.482	-5.482	0	%100
72	M83	Z	-9.495	-9.495	0	%100
73	M84	X	-5.482	-5.482	0	%100
74	M84	Z	-9.495	-9.495	0	%100
75	M86	X	-4.058	-4.058	0	%100
76	M86	Z	-7.029	-7.029	0	%100
77	M88	X	-10.032	-10.032	0	%100
78	M88	Z	-17.377	-17.377	0	%100
79	M90	X	-4.058	-4.058	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
80	M90	Z	-7.029	-7.029	0	%100
81	MP4C	X	-4.765	-4.765	0	%100
82	MP4C	Z	-8.254	-8.254	0	%100
83	M95	X	-4.343	-4.343	0	%100
84	M95	Z	-7.522	-7.522	0	%100
85	M97	X	-4.343	-4.343	0	%100
86	M97	Z	-7.522	-7.522	0	%100
87	M99	X	-4.343	-4.343	0	%100
88	M99	Z	-7.522	-7.522	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	-5.83	-5.83	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.593	-3.593	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-5.83	-5.83	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-3.593	-3.593	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-1.458	-1.458	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-1.5e-5	-1.5e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-1.458	-1.458	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-3.578	-3.578	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-2.548	-2.548	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-3.104	-3.104	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.458	-1.458	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-3.578	-3.578	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-1.458	-1.458	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-1.5e-5	-1.5e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-2.548	-2.548	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-3.104	-3.104	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-3.844	-3.844	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-3.844	-3.844	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-3.844	-3.844	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-3.844	-3.844	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-3.844	-3.844	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-3.844	-3.844	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	-3.844	-3.844	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	-3.844	-3.844	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-3.844	-3.844	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	-3.844	-3.844	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	-3.844	-3.844	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-3.844	-3.844	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-3.844	-3.844	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-4.35	-4.35	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-1.087	-1.087	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	-1.087	-1.087	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	-1.034	-1.034	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	-1.034	-1.034	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	-4.135	-4.135	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	-.983	-.983	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	-4.533	-4.533	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-4.533	-4.533	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-3.844	-3.844	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	-3.387	-3.387	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	-3.387	-3.387	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	-3.387	-3.387	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	2.186	2.186	0	%100
2	M1	Z	-3.787	-3.787	0	%100
3	M2	X	2.39	2.39	0	%100
4	M2	Z	-4.14	-4.14	0	%100
5	M3	X	2.186	2.186	0	%100
6	M3	Z	-3.787	-3.787	0	%100
7	M4	X	.601	.601	0	%100
8	M4	Z	-1.041	-1.041	0	%100
9	M5	X	.425	.425	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
10	M5	Z	-.735	-.735	0	%100
11	M8	X	.517	.517	0	%100
12	M8	Z	-.896	-.896	0	%100
13	M9	X	2.186	2.186	0	%100
14	M9	Z	-3.787	-3.787	0	%100
15	M10	X	.601	.601	0	%100
16	M10	Z	-1.041	-1.041	0	%100
17	M11	X	2.186	2.186	0	%100
18	M11	Z	-3.787	-3.787	0	%100
19	M12	X	2.39	2.39	0	%100
20	M12	Z	-4.14	-4.14	0	%100
21	M13	X	.425	.425	0	%100
22	M13	Z	-.735	-.735	0	%100
23	M16	X	.517	.517	0	%100
24	M16	Z	-.896	-.896	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.594	.594	0	%100
28	M18	Z	-1.029	-1.029	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.594	.594	0	%100
32	M20	Z	-1.029	-1.029	0	%100
33	M21	X	1.699	1.699	0	%100
34	M21	Z	-2.942	-2.942	0	%100
35	M24	X	2.069	2.069	0	%100
36	M24	Z	-3.584	-3.584	0	%100
37	MP1A	X	1.922	1.922	0	%100
38	MP1A	Z	-3.329	-3.329	0	%100
39	MP2A	X	1.922	1.922	0	%100
40	MP2A	Z	-3.329	-3.329	0	%100
41	MP3A	X	1.922	1.922	0	%100
42	MP3A	Z	-3.329	-3.329	0	%100
43	MP4A	X	1.922	1.922	0	%100
44	MP4A	Z	-3.329	-3.329	0	%100
45	MP1C	X	1.922	1.922	0	%100
46	MP1C	Z	-3.329	-3.329	0	%100
47	MP2C	X	1.922	1.922	0	%100
48	MP2C	Z	-3.329	-3.329	0	%100
49	MP3CA	X	1.922	1.922	0	%100
50	MP3CA	Z	-3.329	-3.329	0	%100
51	MP4CA	X	1.922	1.922	0	%100
52	MP4CA	Z	-3.329	-3.329	0	%100
53	MP1B	X	1.922	1.922	0	%100
54	MP1B	Z	-3.329	-3.329	0	%100
55	MP2B	X	1.922	1.922	0	%100
56	MP2B	Z	-3.329	-3.329	0	%100
57	MP3B	X	1.922	1.922	0	%100
58	MP3B	Z	-3.329	-3.329	0	%100
59	MP4B	X	1.922	1.922	0	%100
60	MP4B	Z	-3.329	-3.329	0	%100
61	MP3C	X	1.922	1.922	0	%100
62	MP3C	Z	-3.329	-3.329	0	%100
63	M61	X	1.631	1.631	0	%100
64	M61	Z	-2.825	-2.825	0	%100
65	M66	X	1.631	1.631	0	%100
66	M66	Z	-2.825	-2.825	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	1.551	1.551	0	%100
70	M82	Z	-2.686	-2.686	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	1.551	1.551	0	%100
74	M84	Z	-2.686	-2.686	0	%100
75	M86	X	1.083	1.083	0	%100
76	M86	Z	-1.876	-1.876	0	%100
77	M88	X	1.083	1.083	0	%100
78	M88	Z	-1.876	-1.876	0	%100
79	M90	X	2.858	2.858	0	%100
80	M90	Z	-4.95	-4.95	0	%100
81	MP4C	X	1.922	1.922	0	%100
82	MP4C	Z	-3.329	-3.329	0	%100
83	M95	X	1.694	1.694	0	%100
84	M95	Z	-2.934	-2.934	0	%100
85	M97	X	1.694	1.694	0	%100
86	M97	Z	-2.934	-2.934	0	%100
87	M99	X	1.694	1.694	0	%100
88	M99	Z	-2.934	-2.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	1.262	1.262	0	%100
2	M1	Z	-.729	-.729	0	%100
3	M2	X	3.099	3.099	0	%100
4	M2	Z	-1.789	-1.789	0	%100
5	M3	X	1.262	1.262	0	%100
6	M3	Z	-.729	-.729	0	%100
7	M4	X	1.3e-5	1.3e-5	0	%100
8	M4	Z	-7e-6	-7e-6	0	%100
9	M5	X	2.206	2.206	0	%100
10	M5	Z	-1.274	-1.274	0	%100
11	M8	X	2.688	2.688	0	%100
12	M8	Z	-1.552	-1.552	0	%100
13	M9	X	5.049	5.049	0	%100
14	M9	Z	-2.915	-2.915	0	%100
15	M10	X	3.111	3.111	0	%100
16	M10	Z	-1.796	-1.796	0	%100
17	M11	X	5.049	5.049	0	%100
18	M11	Z	-2.915	-2.915	0	%100
19	M12	X	3.111	3.111	0	%100
20	M12	Z	-1.796	-1.796	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	1.262	1.262	0	%100
26	M17	Z	-.729	-.729	0	%100
27	M18	X	1.3e-5	1.3e-5	0	%100
28	M18	Z	-7e-6	-7e-6	0	%100
29	M19	X	1.262	1.262	0	%100
30	M19	Z	-.729	-.729	0	%100
31	M20	X	3.099	3.099	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
32	M20	Z	-1.789	-1.789	0	%100
33	M21	X	2.206	2.206	0	%100
34	M21	Z	-1.274	-1.274	0	%100
35	M24	X	2.688	2.688	0	%100
36	M24	Z	-1.552	-1.552	0	%100
37	MP1A	X	3.329	3.329	0	%100
38	MP1A	Z	-1.922	-1.922	0	%100
39	MP2A	X	3.329	3.329	0	%100
40	MP2A	Z	-1.922	-1.922	0	%100
41	MP3A	X	3.329	3.329	0	%100
42	MP3A	Z	-1.922	-1.922	0	%100
43	MP4A	X	3.329	3.329	0	%100
44	MP4A	Z	-1.922	-1.922	0	%100
45	MP1C	X	3.329	3.329	0	%100
46	MP1C	Z	-1.922	-1.922	0	%100
47	MP2C	X	3.329	3.329	0	%100
48	MP2C	Z	-1.922	-1.922	0	%100
49	MP3CA	X	3.329	3.329	0	%100
50	MP3CA	Z	-1.922	-1.922	0	%100
51	MP4CA	X	3.329	3.329	0	%100
52	MP4CA	Z	-1.922	-1.922	0	%100
53	MP1B	X	3.329	3.329	0	%100
54	MP1B	Z	-1.922	-1.922	0	%100
55	MP2B	X	3.329	3.329	0	%100
56	MP2B	Z	-1.922	-1.922	0	%100
57	MP3B	X	3.329	3.329	0	%100
58	MP3B	Z	-1.922	-1.922	0	%100
59	MP4B	X	3.329	3.329	0	%100
60	MP4B	Z	-1.922	-1.922	0	%100
61	MP3C	X	3.329	3.329	0	%100
62	MP3C	Z	-1.922	-1.922	0	%100
63	M61	X	.942	.942	0	%100
64	M61	Z	-.544	-.544	0	%100
65	M66	X	3.767	3.767	0	%100
66	M66	Z	-2.175	-2.175	0	%100
67	M71	X	.942	.942	0	%100
68	M71	Z	-.544	-.544	0	%100
69	M82	X	3.581	3.581	0	%100
70	M82	Z	-2.068	-2.068	0	%100
71	M83	X	.895	.895	0	%100
72	M83	Z	-.517	-.517	0	%100
73	M84	X	.895	.895	0	%100
74	M84	Z	-.517	-.517	0	%100
75	M86	X	3.926	3.926	0	%100
76	M86	Z	-2.266	-2.266	0	%100
77	M88	X	.852	.852	0	%100
78	M88	Z	-.492	-.492	0	%100
79	M90	X	3.926	3.926	0	%100
80	M90	Z	-2.266	-2.266	0	%100
81	MP4C	X	3.329	3.329	0	%100
82	MP4C	Z	-1.922	-1.922	0	%100
83	M95	X	2.934	2.934	0	%100
84	M95	Z	-1.694	-1.694	0	%100
85	M97	X	2.934	2.934	0	%100
86	M97	Z	-1.694	-1.694	0	%100
87	M99	X	2.934	2.934	0	%100
88	M99	Z	-1.694	-1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.188	1.188	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	1.188	1.188	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.397	3.397	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	4.139	4.139	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	4.373	4.373	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	4.78	4.78	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	4.373	4.373	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	1.202	1.202	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.849	.849	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	1.035	1.035	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	4.373	4.373	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	1.202	1.202	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	4.373	4.373	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	4.78	4.78	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.849	.849	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	1.035	1.035	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	3.844	3.844	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	3.844	3.844	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	3.844	3.844	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	3.844	3.844	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	3.844	3.844	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	3.844	3.844	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	3.844	3.844	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	3.844	3.844	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	3.844	3.844	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	3.844	3.844	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	3.844	3.844	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	MP3B	Z	0	0	0	%100
59	MP4B	X	3.844	3.844	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	3.844	3.844	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	3.262	3.262	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	3.262	3.262	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	3.101	3.101	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	3.101	3.101	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	5.716	5.716	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	2.166	2.166	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	2.166	2.166	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	3.844	3.844	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	3.387	3.387	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	3.387	3.387	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	3.387	3.387	0	%100
88	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	1.262	1.262	0	%100
2	M1	Z	.729	.729	0	%100
3	M2	X	1.3e-5	1.3e-5	0	%100
4	M2	Z	7e-6	7e-6	0	%100
5	M3	X	1.262	1.262	0	%100
6	M3	Z	.729	.729	0	%100
7	M4	X	3.099	3.099	0	%100
8	M4	Z	1.789	1.789	0	%100
9	M5	X	2.206	2.206	0	%100
10	M5	Z	1.274	1.274	0	%100
11	M8	X	2.688	2.688	0	%100
12	M8	Z	1.552	1.552	0	%100
13	M9	X	1.262	1.262	0	%100
14	M9	Z	.729	.729	0	%100
15	M10	X	3.099	3.099	0	%100
16	M10	Z	1.789	1.789	0	%100
17	M11	X	1.262	1.262	0	%100
18	M11	Z	.729	.729	0	%100
19	M12	X	1.3e-5	1.3e-5	0	%100
20	M12	Z	7e-6	7e-6	0	%100
21	M13	X	2.206	2.206	0	%100
22	M13	Z	1.274	1.274	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
23	M16	X	2.688	2.688	0	%100
24	M16	Z	1.552	1.552	0	%100
25	M17	X	5.049	5.049	0	%100
26	M17	Z	2.915	2.915	0	%100
27	M18	X	3.111	3.111	0	%100
28	M18	Z	1.796	1.796	0	%100
29	M19	X	5.049	5.049	0	%100
30	M19	Z	2.915	2.915	0	%100
31	M20	X	3.111	3.111	0	%100
32	M20	Z	1.796	1.796	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	3.329	3.329	0	%100
38	MP1A	Z	1.922	1.922	0	%100
39	MP2A	X	3.329	3.329	0	%100
40	MP2A	Z	1.922	1.922	0	%100
41	MP3A	X	3.329	3.329	0	%100
42	MP3A	Z	1.922	1.922	0	%100
43	MP4A	X	3.329	3.329	0	%100
44	MP4A	Z	1.922	1.922	0	%100
45	MP1C	X	3.329	3.329	0	%100
46	MP1C	Z	1.922	1.922	0	%100
47	MP2C	X	3.329	3.329	0	%100
48	MP2C	Z	1.922	1.922	0	%100
49	MP3CA	X	3.329	3.329	0	%100
50	MP3CA	Z	1.922	1.922	0	%100
51	MP4CA	X	3.329	3.329	0	%100
52	MP4CA	Z	1.922	1.922	0	%100
53	MP1B	X	3.329	3.329	0	%100
54	MP1B	Z	1.922	1.922	0	%100
55	MP2B	X	3.329	3.329	0	%100
56	MP2B	Z	1.922	1.922	0	%100
57	MP3B	X	3.329	3.329	0	%100
58	MP3B	Z	1.922	1.922	0	%100
59	MP4B	X	3.329	3.329	0	%100
60	MP4B	Z	1.922	1.922	0	%100
61	MP3C	X	3.329	3.329	0	%100
62	MP3C	Z	1.922	1.922	0	%100
63	M61	X	.942	.942	0	%100
64	M61	Z	.544	.544	0	%100
65	M66	X	.942	.942	0	%100
66	M66	Z	.544	.544	0	%100
67	M71	X	3.767	3.767	0	%100
68	M71	Z	2.175	2.175	0	%100
69	M82	X	.895	.895	0	%100
70	M82	Z	.517	.517	0	%100
71	M83	X	3.581	3.581	0	%100
72	M83	Z	2.068	2.068	0	%100
73	M84	X	.895	.895	0	%100
74	M84	Z	.517	.517	0	%100
75	M86	X	3.926	3.926	0	%100
76	M86	Z	2.266	2.266	0	%100
77	M88	X	3.926	3.926	0	%100
78	M88	Z	2.266	2.266	0	%100
79	M90	X	.852	.852	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
80	M90	Z	.492	.492	0	%100
81	MP4C	X	3.329	3.329	0	%100
82	MP4C	Z	1.922	1.922	0	%100
83	M95	X	2.934	2.934	0	%100
84	M95	Z	1.694	1.694	0	%100
85	M97	X	2.934	2.934	0	%100
86	M97	Z	1.694	1.694	0	%100
87	M99	X	2.934	2.934	0	%100
88	M99	Z	1.694	1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	2.186	2.186	0	%100
2	M1	Z	3.787	3.787	0	%100
3	M2	X	.601	.601	0	%100
4	M2	Z	1.041	1.041	0	%100
5	M3	X	2.186	2.186	0	%100
6	M3	Z	3.787	3.787	0	%100
7	M4	X	2.39	2.39	0	%100
8	M4	Z	4.14	4.14	0	%100
9	M5	X	.425	.425	0	%100
10	M5	Z	.735	.735	0	%100
11	M8	X	.517	.517	0	%100
12	M8	Z	.896	.896	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.594	.594	0	%100
16	M10	Z	1.029	1.029	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.594	.594	0	%100
20	M12	Z	1.029	1.029	0	%100
21	M13	X	1.699	1.699	0	%100
22	M13	Z	2.942	2.942	0	%100
23	M16	X	2.069	2.069	0	%100
24	M16	Z	3.584	3.584	0	%100
25	M17	X	2.186	2.186	0	%100
26	M17	Z	3.787	3.787	0	%100
27	M18	X	2.39	2.39	0	%100
28	M18	Z	4.14	4.14	0	%100
29	M19	X	2.186	2.186	0	%100
30	M19	Z	3.787	3.787	0	%100
31	M20	X	.601	.601	0	%100
32	M20	Z	1.041	1.041	0	%100
33	M21	X	.425	.425	0	%100
34	M21	Z	.735	.735	0	%100
35	M24	X	.517	.517	0	%100
36	M24	Z	.896	.896	0	%100
37	MP1A	X	1.922	1.922	0	%100
38	MP1A	Z	3.329	3.329	0	%100
39	MP2A	X	1.922	1.922	0	%100
40	MP2A	Z	3.329	3.329	0	%100
41	MP3A	X	1.922	1.922	0	%100
42	MP3A	Z	3.329	3.329	0	%100
43	MP4A	X	1.922	1.922	0	%100
44	MP4A	Z	3.329	3.329	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
45	MP1C	X	1.922	1.922	0	%100
46	MP1C	Z	3.329	3.329	0	%100
47	MP2C	X	1.922	1.922	0	%100
48	MP2C	Z	3.329	3.329	0	%100
49	MP3CA	X	1.922	1.922	0	%100
50	MP3CA	Z	3.329	3.329	0	%100
51	MP4CA	X	1.922	1.922	0	%100
52	MP4CA	Z	3.329	3.329	0	%100
53	MP1B	X	1.922	1.922	0	%100
54	MP1B	Z	3.329	3.329	0	%100
55	MP2B	X	1.922	1.922	0	%100
56	MP2B	Z	3.329	3.329	0	%100
57	MP3B	X	1.922	1.922	0	%100
58	MP3B	Z	3.329	3.329	0	%100
59	MP4B	X	1.922	1.922	0	%100
60	MP4B	Z	3.329	3.329	0	%100
61	MP3C	X	1.922	1.922	0	%100
62	MP3C	Z	3.329	3.329	0	%100
63	M61	X	1.631	1.631	0	%100
64	M61	Z	2.825	2.825	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	1.631	1.631	0	%100
68	M71	Z	2.825	2.825	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	1.551	1.551	0	%100
72	M83	Z	2.686	2.686	0	%100
73	M84	X	1.551	1.551	0	%100
74	M84	Z	2.686	2.686	0	%100
75	M86	X	1.083	1.083	0	%100
76	M86	Z	1.876	1.876	0	%100
77	M88	X	2.858	2.858	0	%100
78	M88	Z	4.95	4.95	0	%100
79	M90	X	1.083	1.083	0	%100
80	M90	Z	1.876	1.876	0	%100
81	MP4C	X	1.922	1.922	0	%100
82	MP4C	Z	3.329	3.329	0	%100
83	M95	X	1.694	1.694	0	%100
84	M95	Z	2.934	2.934	0	%100
85	M97	X	1.694	1.694	0	%100
86	M97	Z	2.934	2.934	0	%100
87	M99	X	1.694	1.694	0	%100
88	M99	Z	2.934	2.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	5.83	5.83	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.593	3.593	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	5.83	5.83	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	3.593	3.593	0	%100
9	M5	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	1.458	1.458	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	1.5e-5	1.5e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	1.458	1.458	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	3.578	3.578	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	2.548	2.548	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	3.104	3.104	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.458	1.458	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	3.578	3.578	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	1.458	1.458	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.5e-5	1.5e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	2.548	2.548	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	3.104	3.104	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	3.844	3.844	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	3.844	3.844	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	3.844	3.844	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	3.844	3.844	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	3.844	3.844	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	3.844	3.844	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	3.844	3.844	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	3.844	3.844	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	3.844	3.844	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	3.844	3.844	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	3.844	3.844	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	3.844	3.844	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	3.844	3.844	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	4.35	4.35	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	1.087	1.087	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
67	M71	X	0	0	0	%100
68	M71	Z	1.087	1.087	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	1.034	1.034	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	1.034	1.034	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	4.135	4.135	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	.983	.983	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	4.533	4.533	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	4.533	4.533	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	3.844	3.844	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	3.387	3.387	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	3.387	3.387	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	3.387	3.387	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	-2.186	-2.186	0	%100
2	M1	Z	3.787	3.787	0	%100
3	M2	X	-2.39	-2.39	0	%100
4	M2	Z	4.14	4.14	0	%100
5	M3	X	-2.186	-2.186	0	%100
6	M3	Z	3.787	3.787	0	%100
7	M4	X	-.601	-.601	0	%100
8	M4	Z	1.041	1.041	0	%100
9	M5	X	-.425	-.425	0	%100
10	M5	Z	.735	.735	0	%100
11	M8	X	-.517	-.517	0	%100
12	M8	Z	.896	.896	0	%100
13	M9	X	-2.186	-2.186	0	%100
14	M9	Z	3.787	3.787	0	%100
15	M10	X	-.601	-.601	0	%100
16	M10	Z	1.041	1.041	0	%100
17	M11	X	-2.186	-2.186	0	%100
18	M11	Z	3.787	3.787	0	%100
19	M12	X	-2.39	-2.39	0	%100
20	M12	Z	4.14	4.14	0	%100
21	M13	X	-.425	-.425	0	%100
22	M13	Z	.735	.735	0	%100
23	M16	X	-.517	-.517	0	%100
24	M16	Z	.896	.896	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.594	-.594	0	%100
28	M18	Z	1.029	1.029	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.594	-.594	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
32	M20	Z	1.029	1.029	0	%100
33	M21	X	-1.699	-1.699	0	%100
34	M21	Z	2.942	2.942	0	%100
35	M24	X	-2.069	-2.069	0	%100
36	M24	Z	3.584	3.584	0	%100
37	MP1A	X	-1.922	-1.922	0	%100
38	MP1A	Z	3.329	3.329	0	%100
39	MP2A	X	-1.922	-1.922	0	%100
40	MP2A	Z	3.329	3.329	0	%100
41	MP3A	X	-1.922	-1.922	0	%100
42	MP3A	Z	3.329	3.329	0	%100
43	MP4A	X	-1.922	-1.922	0	%100
44	MP4A	Z	3.329	3.329	0	%100
45	MP1C	X	-1.922	-1.922	0	%100
46	MP1C	Z	3.329	3.329	0	%100
47	MP2C	X	-1.922	-1.922	0	%100
48	MP2C	Z	3.329	3.329	0	%100
49	MP3CA	X	-1.922	-1.922	0	%100
50	MP3CA	Z	3.329	3.329	0	%100
51	MP4CA	X	-1.922	-1.922	0	%100
52	MP4CA	Z	3.329	3.329	0	%100
53	MP1B	X	-1.922	-1.922	0	%100
54	MP1B	Z	3.329	3.329	0	%100
55	MP2B	X	-1.922	-1.922	0	%100
56	MP2B	Z	3.329	3.329	0	%100
57	MP3B	X	-1.922	-1.922	0	%100
58	MP3B	Z	3.329	3.329	0	%100
59	MP4B	X	-1.922	-1.922	0	%100
60	MP4B	Z	3.329	3.329	0	%100
61	MP3C	X	-1.922	-1.922	0	%100
62	MP3C	Z	3.329	3.329	0	%100
63	M61	X	-1.631	-1.631	0	%100
64	M61	Z	2.825	2.825	0	%100
65	M66	X	-1.631	-1.631	0	%100
66	M66	Z	2.825	2.825	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-1.551	-1.551	0	%100
70	M82	Z	2.686	2.686	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	-1.551	-1.551	0	%100
74	M84	Z	2.686	2.686	0	%100
75	M86	X	-1.083	-1.083	0	%100
76	M86	Z	1.876	1.876	0	%100
77	M88	X	-1.083	-1.083	0	%100
78	M88	Z	1.876	1.876	0	%100
79	M90	X	-2.858	-2.858	0	%100
80	M90	Z	4.95	4.95	0	%100
81	MP4C	X	-1.922	-1.922	0	%100
82	MP4C	Z	3.329	3.329	0	%100
83	M95	X	-1.694	-1.694	0	%100
84	M95	Z	2.934	2.934	0	%100
85	M97	X	-1.694	-1.694	0	%100
86	M97	Z	2.934	2.934	0	%100
87	M99	X	-1.694	-1.694	0	%100
88	M99	Z	2.934	2.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	-1.262	-1.262	0	%100
2	M1	Z	.729	.729	0	%100
3	M2	X	-3.099	-3.099	0	%100
4	M2	Z	1.789	1.789	0	%100
5	M3	X	-1.262	-1.262	0	%100
6	M3	Z	.729	.729	0	%100
7	M4	X	-1.3e-5	-1.3e-5	0	%100
8	M4	Z	7e-6	7e-6	0	%100
9	M5	X	-2.206	-2.206	0	%100
10	M5	Z	1.274	1.274	0	%100
11	M8	X	-2.688	-2.688	0	%100
12	M8	Z	1.552	1.552	0	%100
13	M9	X	-5.049	-5.049	0	%100
14	M9	Z	2.915	2.915	0	%100
15	M10	X	-3.111	-3.111	0	%100
16	M10	Z	1.796	1.796	0	%100
17	M11	X	-5.049	-5.049	0	%100
18	M11	Z	2.915	2.915	0	%100
19	M12	X	-3.111	-3.111	0	%100
20	M12	Z	1.796	1.796	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-1.262	-1.262	0	%100
26	M17	Z	.729	.729	0	%100
27	M18	X	-1.3e-5	-1.3e-5	0	%100
28	M18	Z	7e-6	7e-6	0	%100
29	M19	X	-1.262	-1.262	0	%100
30	M19	Z	.729	.729	0	%100
31	M20	X	-3.099	-3.099	0	%100
32	M20	Z	1.789	1.789	0	%100
33	M21	X	-2.206	-2.206	0	%100
34	M21	Z	1.274	1.274	0	%100
35	M24	X	-2.688	-2.688	0	%100
36	M24	Z	1.552	1.552	0	%100
37	MP1A	X	-3.329	-3.329	0	%100
38	MP1A	Z	1.922	1.922	0	%100
39	MP2A	X	-3.329	-3.329	0	%100
40	MP2A	Z	1.922	1.922	0	%100
41	MP3A	X	-3.329	-3.329	0	%100
42	MP3A	Z	1.922	1.922	0	%100
43	MP4A	X	-3.329	-3.329	0	%100
44	MP4A	Z	1.922	1.922	0	%100
45	MP1C	X	-3.329	-3.329	0	%100
46	MP1C	Z	1.922	1.922	0	%100
47	MP2C	X	-3.329	-3.329	0	%100
48	MP2C	Z	1.922	1.922	0	%100
49	MP3CA	X	-3.329	-3.329	0	%100
50	MP3CA	Z	1.922	1.922	0	%100
51	MP4CA	X	-3.329	-3.329	0	%100
52	MP4CA	Z	1.922	1.922	0	%100
53	MP1B	X	-3.329	-3.329	0	%100
54	MP1B	Z	1.922	1.922	0	%100
55	MP2B	X	-3.329	-3.329	0	%100
56	MP2B	Z	1.922	1.922	0	%100
57	MP3B	X	-3.329	-3.329	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
58	MP3B	Z	1.922	1.922	0	%100
59	MP4B	X	-3.329	-3.329	0	%100
60	MP4B	Z	1.922	1.922	0	%100
61	MP3C	X	-3.329	-3.329	0	%100
62	MP3C	Z	1.922	1.922	0	%100
63	M61	X	-.942	-.942	0	%100
64	M61	Z	.544	.544	0	%100
65	M66	X	-3.767	-3.767	0	%100
66	M66	Z	2.175	2.175	0	%100
67	M71	X	-.942	-.942	0	%100
68	M71	Z	.544	.544	0	%100
69	M82	X	-3.581	-3.581	0	%100
70	M82	Z	2.068	2.068	0	%100
71	M83	X	-.895	-.895	0	%100
72	M83	Z	.517	.517	0	%100
73	M84	X	-.895	-.895	0	%100
74	M84	Z	.517	.517	0	%100
75	M86	X	-3.926	-3.926	0	%100
76	M86	Z	2.266	2.266	0	%100
77	M88	X	-.852	-.852	0	%100
78	M88	Z	.492	.492	0	%100
79	M90	X	-3.926	-3.926	0	%100
80	M90	Z	2.266	2.266	0	%100
81	MP4C	X	-3.329	-3.329	0	%100
82	MP4C	Z	1.922	1.922	0	%100
83	M95	X	-2.934	-2.934	0	%100
84	M95	Z	1.694	1.694	0	%100
85	M97	X	-2.934	-2.934	0	%100
86	M97	Z	1.694	1.694	0	%100
87	M99	X	-2.934	-2.934	0	%100
88	M99	Z	1.694	1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.188	-1.188	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	-1.188	-1.188	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.397	-3.397	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-4.139	-4.139	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-4.373	-4.373	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-4.78	-4.78	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-4.373	-4.373	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-1.202	-1.202	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-.849	-.849	0	%100
22	M13	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
23	M16	X	-1.035	-1.035	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-4.373	-4.373	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-1.202	-1.202	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-4.373	-4.373	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-4.78	-4.78	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.849	-.849	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-1.035	-1.035	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-3.844	-3.844	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-3.844	-3.844	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-3.844	-3.844	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-3.844	-3.844	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	-3.844	-3.844	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-3.844	-3.844	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	-3.844	-3.844	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	-3.844	-3.844	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	-3.844	-3.844	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	-3.844	-3.844	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	-3.844	-3.844	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	-3.844	-3.844	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	-3.844	-3.844	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	-3.262	-3.262	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-3.262	-3.262	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-3.101	-3.101	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-3.101	-3.101	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	-5.716	-5.716	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	-2.166	-2.166	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	-2.166	-2.166	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
80	M90	Z	0	0	0	%100
81	MP4C	X	-3.844	-3.844	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	-3.387	-3.387	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	-3.387	-3.387	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	-3.387	-3.387	0	%100
88	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-1.262	-1.262	0	%100
2	M1	Z	-.729	-.729	0	%100
3	M2	X	-1.3e-5	-1.3e-5	0	%100
4	M2	Z	-7e-6	-7e-6	0	%100
5	M3	X	-1.262	-1.262	0	%100
6	M3	Z	-.729	-.729	0	%100
7	M4	X	-3.099	-3.099	0	%100
8	M4	Z	-1.789	-1.789	0	%100
9	M5	X	-2.206	-2.206	0	%100
10	M5	Z	-1.274	-1.274	0	%100
11	M8	X	-2.688	-2.688	0	%100
12	M8	Z	-1.552	-1.552	0	%100
13	M9	X	-1.262	-1.262	0	%100
14	M9	Z	-.729	-.729	0	%100
15	M10	X	-3.099	-3.099	0	%100
16	M10	Z	-1.789	-1.789	0	%100
17	M11	X	-1.262	-1.262	0	%100
18	M11	Z	-.729	-.729	0	%100
19	M12	X	-1.3e-5	-1.3e-5	0	%100
20	M12	Z	-7e-6	-7e-6	0	%100
21	M13	X	-2.206	-2.206	0	%100
22	M13	Z	-1.274	-1.274	0	%100
23	M16	X	-2.688	-2.688	0	%100
24	M16	Z	-1.552	-1.552	0	%100
25	M17	X	-5.049	-5.049	0	%100
26	M17	Z	-2.915	-2.915	0	%100
27	M18	X	-3.111	-3.111	0	%100
28	M18	Z	-1.796	-1.796	0	%100
29	M19	X	-5.049	-5.049	0	%100
30	M19	Z	-2.915	-2.915	0	%100
31	M20	X	-3.111	-3.111	0	%100
32	M20	Z	-1.796	-1.796	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-3.329	-3.329	0	%100
38	MP1A	Z	-1.922	-1.922	0	%100
39	MP2A	X	-3.329	-3.329	0	%100
40	MP2A	Z	-1.922	-1.922	0	%100
41	MP3A	X	-3.329	-3.329	0	%100
42	MP3A	Z	-1.922	-1.922	0	%100
43	MP4A	X	-3.329	-3.329	0	%100
44	MP4A	Z	-1.922	-1.922	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
45	MP1C	X	-3.329	-3.329	0	%100
46	MP1C	Z	-1.922	-1.922	0	%100
47	MP2C	X	-3.329	-3.329	0	%100
48	MP2C	Z	-1.922	-1.922	0	%100
49	MP3CA	X	-3.329	-3.329	0	%100
50	MP3CA	Z	-1.922	-1.922	0	%100
51	MP4CA	X	-3.329	-3.329	0	%100
52	MP4CA	Z	-1.922	-1.922	0	%100
53	MP1B	X	-3.329	-3.329	0	%100
54	MP1B	Z	-1.922	-1.922	0	%100
55	MP2B	X	-3.329	-3.329	0	%100
56	MP2B	Z	-1.922	-1.922	0	%100
57	MP3B	X	-3.329	-3.329	0	%100
58	MP3B	Z	-1.922	-1.922	0	%100
59	MP4B	X	-3.329	-3.329	0	%100
60	MP4B	Z	-1.922	-1.922	0	%100
61	MP3C	X	-3.329	-3.329	0	%100
62	MP3C	Z	-1.922	-1.922	0	%100
63	M61	X	-.942	-.942	0	%100
64	M61	Z	-.544	-.544	0	%100
65	M66	X	-.942	-.942	0	%100
66	M66	Z	-.544	-.544	0	%100
67	M71	X	-3.767	-3.767	0	%100
68	M71	Z	-2.175	-2.175	0	%100
69	M82	X	-.895	-.895	0	%100
70	M82	Z	-.517	-.517	0	%100
71	M83	X	-3.581	-3.581	0	%100
72	M83	Z	-2.068	-2.068	0	%100
73	M84	X	-.895	-.895	0	%100
74	M84	Z	-.517	-.517	0	%100
75	M86	X	-3.926	-3.926	0	%100
76	M86	Z	-2.266	-2.266	0	%100
77	M88	X	-3.926	-3.926	0	%100
78	M88	Z	-2.266	-2.266	0	%100
79	M90	X	-.852	-.852	0	%100
80	M90	Z	-.492	-.492	0	%100
81	MP4C	X	-3.329	-3.329	0	%100
82	MP4C	Z	-1.922	-1.922	0	%100
83	M95	X	-2.934	-2.934	0	%100
84	M95	Z	-1.694	-1.694	0	%100
85	M97	X	-2.934	-2.934	0	%100
86	M97	Z	-1.694	-1.694	0	%100
87	M99	X	-2.934	-2.934	0	%100
88	M99	Z	-1.694	-1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-2.186	-2.186	0	%100
2	M1	Z	-3.787	-3.787	0	%100
3	M2	X	-.601	-.601	0	%100
4	M2	Z	-1.041	-1.041	0	%100
5	M3	X	-2.186	-2.186	0	%100
6	M3	Z	-3.787	-3.787	0	%100
7	M4	X	-2.39	-2.39	0	%100
8	M4	Z	-4.14	-4.14	0	%100
9	M5	X	-.425	-.425	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
10	M5	Z	-.735	-.735	0	%100
11	M8	X	-.517	-.517	0	%100
12	M8	Z	-.896	-.896	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-.594	-.594	0	%100
16	M10	Z	-1.029	-1.029	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.594	-.594	0	%100
20	M12	Z	-1.029	-1.029	0	%100
21	M13	X	-1.699	-1.699	0	%100
22	M13	Z	-2.942	-2.942	0	%100
23	M16	X	-2.069	-2.069	0	%100
24	M16	Z	-3.584	-3.584	0	%100
25	M17	X	-2.186	-2.186	0	%100
26	M17	Z	-3.787	-3.787	0	%100
27	M18	X	-2.39	-2.39	0	%100
28	M18	Z	-4.14	-4.14	0	%100
29	M19	X	-2.186	-2.186	0	%100
30	M19	Z	-3.787	-3.787	0	%100
31	M20	X	-.601	-.601	0	%100
32	M20	Z	-1.041	-1.041	0	%100
33	M21	X	-.425	-.425	0	%100
34	M21	Z	-.735	-.735	0	%100
35	M24	X	-.517	-.517	0	%100
36	M24	Z	-.896	-.896	0	%100
37	MP1A	X	-1.922	-1.922	0	%100
38	MP1A	Z	-3.329	-3.329	0	%100
39	MP2A	X	-1.922	-1.922	0	%100
40	MP2A	Z	-3.329	-3.329	0	%100
41	MP3A	X	-1.922	-1.922	0	%100
42	MP3A	Z	-3.329	-3.329	0	%100
43	MP4A	X	-1.922	-1.922	0	%100
44	MP4A	Z	-3.329	-3.329	0	%100
45	MP1C	X	-1.922	-1.922	0	%100
46	MP1C	Z	-3.329	-3.329	0	%100
47	MP2C	X	-1.922	-1.922	0	%100
48	MP2C	Z	-3.329	-3.329	0	%100
49	MP3CA	X	-1.922	-1.922	0	%100
50	MP3CA	Z	-3.329	-3.329	0	%100
51	MP4CA	X	-1.922	-1.922	0	%100
52	MP4CA	Z	-3.329	-3.329	0	%100
53	MP1B	X	-1.922	-1.922	0	%100
54	MP1B	Z	-3.329	-3.329	0	%100
55	MP2B	X	-1.922	-1.922	0	%100
56	MP2B	Z	-3.329	-3.329	0	%100
57	MP3B	X	-1.922	-1.922	0	%100
58	MP3B	Z	-3.329	-3.329	0	%100
59	MP4B	X	-1.922	-1.922	0	%100
60	MP4B	Z	-3.329	-3.329	0	%100
61	MP3C	X	-1.922	-1.922	0	%100
62	MP3C	Z	-3.329	-3.329	0	%100
63	M61	X	-1.631	-1.631	0	%100
64	M61	Z	-2.825	-2.825	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
67	M71	X	-1.631	-1.631	0	%100
68	M71	Z	-2.825	-2.825	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-1.551	-1.551	0	%100
72	M83	Z	-2.686	-2.686	0	%100
73	M84	X	-1.551	-1.551	0	%100
74	M84	Z	-2.686	-2.686	0	%100
75	M86	X	-1.083	-1.083	0	%100
76	M86	Z	-1.876	-1.876	0	%100
77	M88	X	-2.858	-2.858	0	%100
78	M88	Z	-4.95	-4.95	0	%100
79	M90	X	-1.083	-1.083	0	%100
80	M90	Z	-1.876	-1.876	0	%100
81	MP4C	X	-1.922	-1.922	0	%100
82	MP4C	Z	-3.329	-3.329	0	%100
83	M95	X	-1.694	-1.694	0	%100
84	M95	Z	-2.934	-2.934	0	%100
85	M97	X	-1.694	-1.694	0	%100
86	M97	Z	-2.934	-2.934	0	%100
87	M99	X	-1.694	-1.694	0	%100
88	M99	Z	-2.934	-2.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	0	0	0	%100
2	M1	Z	-1.254	-1.254	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.791	-.791	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.254	-1.254	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.791	-.791	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-.314	-.314	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-3e-6	-3e-6	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-.314	-.314	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-.788	-.788	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-.536	-.536	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-.697	-.697	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-.314	-.314	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-.788	-.788	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-.314	-.314	0	%100
31	M20	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
32	M20	Z	-3e-6	-3e-6	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-.536	-.536	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-.697	-.697	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-.596	-.596	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-.596	-.596	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-.596	-.596	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-.596	-.596	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-.596	-.596	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-.596	-.596	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	-.596	-.596	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	-.596	-.596	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-.596	-.596	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	-.596	-.596	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	-.596	-.596	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-.596	-.596	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-.596	-.596	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-.721	-.721	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-.18	-.18	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	-.18	-.18	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	-.228	-.228	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	-.228	-.228	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	-.914	-.914	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	-.258	-.258	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	-1.005	-1.005	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-1.005	-1.005	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-.596	-.596	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	-.543	-.543	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	-.543	-.543	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	-.543	-.543	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	.47	.47	0	%100
2	M1	Z	-.815	-.815	0	%100
3	M2	X	.526	.526	0	%100
4	M2	Z	-.912	-.912	0	%100
5	M3	X	.47	.47	0	%100
6	M3	Z	-.815	-.815	0	%100
7	M4	X	.132	.132	0	%100
8	M4	Z	-.229	-.229	0	%100
9	M5	X	.089	.089	0	%100
10	M5	Z	-.155	-.155	0	%100
11	M8	X	.116	.116	0	%100
12	M8	Z	-.201	-.201	0	%100
13	M9	X	.47	.47	0	%100
14	M9	Z	-.815	-.815	0	%100
15	M10	X	.132	.132	0	%100
16	M10	Z	-.229	-.229	0	%100
17	M11	X	.47	.47	0	%100
18	M11	Z	-.815	-.815	0	%100
19	M12	X	.526	.526	0	%100
20	M12	Z	-.912	-.912	0	%100
21	M13	X	.089	.089	0	%100
22	M13	Z	-.155	-.155	0	%100
23	M16	X	.116	.116	0	%100
24	M16	Z	-.201	-.201	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.131	.131	0	%100
28	M18	Z	-.227	-.227	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.131	.131	0	%100
32	M20	Z	-.227	-.227	0	%100
33	M21	X	.357	.357	0	%100
34	M21	Z	-.619	-.619	0	%100
35	M24	X	.465	.465	0	%100
36	M24	Z	-.805	-.805	0	%100
37	MP1A	X	.298	.298	0	%100
38	MP1A	Z	-.516	-.516	0	%100
39	MP2A	X	.298	.298	0	%100
40	MP2A	Z	-.516	-.516	0	%100
41	MP3A	X	.298	.298	0	%100
42	MP3A	Z	-.516	-.516	0	%100
43	MP4A	X	.298	.298	0	%100
44	MP4A	Z	-.516	-.516	0	%100
45	MP1C	X	.298	.298	0	%100
46	MP1C	Z	-.516	-.516	0	%100
47	MP2C	X	.298	.298	0	%100
48	MP2C	Z	-.516	-.516	0	%100
49	MP3CA	X	.298	.298	0	%100
50	MP3CA	Z	-.516	-.516	0	%100
51	MP4CA	X	.298	.298	0	%100
52	MP4CA	Z	-.516	-.516	0	%100
53	MP1B	X	.298	.298	0	%100
54	MP1B	Z	-.516	-.516	0	%100
55	MP2B	X	.298	.298	0	%100
56	MP2B	Z	-.516	-.516	0	%100
57	MP3B	X	.298	.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
58	MP3B	Z	-.516	-.516	0	%100
59	MP4B	X	.298	.298	0	%100
60	MP4B	Z	-.516	-.516	0	%100
61	MP3C	X	.298	.298	0	%100
62	MP3C	Z	-.516	-.516	0	%100
63	M61	X	.27	.27	0	%100
64	M61	Z	-.468	-.468	0	%100
65	M66	X	.27	.27	0	%100
66	M66	Z	-.468	-.468	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	.343	.343	0	%100
70	M82	Z	-.593	-.593	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	.343	.343	0	%100
74	M84	Z	-.593	-.593	0	%100
75	M86	X	.254	.254	0	%100
76	M86	Z	-.439	-.439	0	%100
77	M88	X	.254	.254	0	%100
78	M88	Z	-.439	-.439	0	%100
79	M90	X	.627	.627	0	%100
80	M90	Z	-1.086	-1.086	0	%100
81	MP4C	X	.298	.298	0	%100
82	MP4C	Z	-.516	-.516	0	%100
83	M95	X	.271	.271	0	%100
84	M95	Z	-.47	-.47	0	%100
85	M97	X	.271	.271	0	%100
86	M97	Z	-.47	-.47	0	%100
87	M99	X	.271	.271	0	%100
88	M99	Z	-.47	-.47	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	.272	.272	0	%100
2	M1	Z	-.157	-.157	0	%100
3	M2	X	.683	.683	0	%100
4	M2	Z	-.394	-.394	0	%100
5	M3	X	.272	.272	0	%100
6	M3	Z	-.157	-.157	0	%100
7	M4	X	3e-6	3e-6	0	%100
8	M4	Z	-2e-6	-2e-6	0	%100
9	M5	X	.464	.464	0	%100
10	M5	Z	-.268	-.268	0	%100
11	M8	X	.604	.604	0	%100
12	M8	Z	-.349	-.349	0	%100
13	M9	X	1.086	1.086	0	%100
14	M9	Z	-.627	-.627	0	%100
15	M10	X	.685	.685	0	%100
16	M10	Z	-.396	-.396	0	%100
17	M11	X	1.086	1.086	0	%100
18	M11	Z	-.627	-.627	0	%100
19	M12	X	.685	.685	0	%100
20	M12	Z	-.396	-.396	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.272	.272	0	%100
26	M17	Z	-.157	-.157	0	%100
27	M18	X	3e-6	3e-6	0	%100
28	M18	Z	-2e-6	-2e-6	0	%100
29	M19	X	.272	.272	0	%100
30	M19	Z	-.157	-.157	0	%100
31	M20	X	.683	.683	0	%100
32	M20	Z	-.394	-.394	0	%100
33	M21	X	.464	.464	0	%100
34	M21	Z	-.268	-.268	0	%100
35	M24	X	.604	.604	0	%100
36	M24	Z	-.349	-.349	0	%100
37	MP1A	X	.516	.516	0	%100
38	MP1A	Z	-.298	-.298	0	%100
39	MP2A	X	.516	.516	0	%100
40	MP2A	Z	-.298	-.298	0	%100
41	MP3A	X	.516	.516	0	%100
42	MP3A	Z	-.298	-.298	0	%100
43	MP4A	X	.516	.516	0	%100
44	MP4A	Z	-.298	-.298	0	%100
45	MP1C	X	.516	.516	0	%100
46	MP1C	Z	-.298	-.298	0	%100
47	MP2C	X	.516	.516	0	%100
48	MP2C	Z	-.298	-.298	0	%100
49	MP3CA	X	.516	.516	0	%100
50	MP3CA	Z	-.298	-.298	0	%100
51	MP4CA	X	.516	.516	0	%100
52	MP4CA	Z	-.298	-.298	0	%100
53	MP1B	X	.516	.516	0	%100
54	MP1B	Z	-.298	-.298	0	%100
55	MP2B	X	.516	.516	0	%100
56	MP2B	Z	-.298	-.298	0	%100
57	MP3B	X	.516	.516	0	%100
58	MP3B	Z	-.298	-.298	0	%100
59	MP4B	X	.516	.516	0	%100
60	MP4B	Z	-.298	-.298	0	%100
61	MP3C	X	.516	.516	0	%100
62	MP3C	Z	-.298	-.298	0	%100
63	M61	X	.156	.156	0	%100
64	M61	Z	-.09	-.09	0	%100
65	M66	X	.624	.624	0	%100
66	M66	Z	-.361	-.361	0	%100
67	M71	X	.156	.156	0	%100
68	M71	Z	-.09	-.09	0	%100
69	M82	X	.791	.791	0	%100
70	M82	Z	-.457	-.457	0	%100
71	M83	X	.198	.198	0	%100
72	M83	Z	-.114	-.114	0	%100
73	M84	X	.198	.198	0	%100
74	M84	Z	-.114	-.114	0	%100
75	M86	X	.87	.87	0	%100
76	M86	Z	-.503	-.503	0	%100
77	M88	X	.224	.224	0	%100
78	M88	Z	-.129	-.129	0	%100
79	M90	X	.87	.87	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
80	M90	Z	-.503	-.503	0	%100
81	MP4C	X	.516	.516	0	%100
82	MP4C	Z	-.298	-.298	0	%100
83	M95	X	.47	.47	0	%100
84	M95	Z	-.271	-.271	0	%100
85	M97	X	.47	.47	0	%100
86	M97	Z	-.271	-.271	0	%100
87	M99	X	.47	.47	0	%100
88	M99	Z	-.271	-.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.262	.262	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	.262	.262	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.715	.715	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	.93	.93	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	.941	.941	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	1.053	1.053	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.941	.941	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.265	.265	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.179	.179	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	.232	.232	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.941	.941	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.265	.265	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.941	.941	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	1.053	1.053	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.179	.179	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	.232	.232	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	.596	.596	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	.596	.596	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	.596	.596	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	.596	.596	0	%100
44	MP4A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
45	MP1C	X	.596	.596	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	.596	.596	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	.596	.596	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	.596	.596	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	.596	.596	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	.596	.596	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	.596	.596	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	.596	.596	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	.596	.596	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	.541	.541	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	.541	.541	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	.685	.685	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	.685	.685	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	1.254	1.254	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	.507	.507	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	.507	.507	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	.596	.596	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	.543	.543	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	.543	.543	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	.543	.543	0	%100
88	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	.272	.272	0	%100
2	M1	Z	.157	.157	0	%100
3	M2	X	3e-6	3e-6	0	%100
4	M2	Z	2e-6	2e-6	0	%100
5	M3	X	.272	.272	0	%100
6	M3	Z	.157	.157	0	%100
7	M4	X	.683	.683	0	%100
8	M4	Z	.394	.394	0	%100
9	M5	X	.464	.464	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
10	M5	Z	.268	.268	0	%100
11	M8	X	.604	.604	0	%100
12	M8	Z	.349	.349	0	%100
13	M9	X	.272	.272	0	%100
14	M9	Z	.157	.157	0	%100
15	M10	X	.683	.683	0	%100
16	M10	Z	.394	.394	0	%100
17	M11	X	.272	.272	0	%100
18	M11	Z	.157	.157	0	%100
19	M12	X	3e-6	3e-6	0	%100
20	M12	Z	2e-6	2e-6	0	%100
21	M13	X	.464	.464	0	%100
22	M13	Z	.268	.268	0	%100
23	M16	X	.604	.604	0	%100
24	M16	Z	.349	.349	0	%100
25	M17	X	1.086	1.086	0	%100
26	M17	Z	.627	.627	0	%100
27	M18	X	.685	.685	0	%100
28	M18	Z	.396	.396	0	%100
29	M19	X	1.086	1.086	0	%100
30	M19	Z	.627	.627	0	%100
31	M20	X	.685	.685	0	%100
32	M20	Z	.396	.396	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	.516	.516	0	%100
38	MP1A	Z	.298	.298	0	%100
39	MP2A	X	.516	.516	0	%100
40	MP2A	Z	.298	.298	0	%100
41	MP3A	X	.516	.516	0	%100
42	MP3A	Z	.298	.298	0	%100
43	MP4A	X	.516	.516	0	%100
44	MP4A	Z	.298	.298	0	%100
45	MP1C	X	.516	.516	0	%100
46	MP1C	Z	.298	.298	0	%100
47	MP2C	X	.516	.516	0	%100
48	MP2C	Z	.298	.298	0	%100
49	MP3CA	X	.516	.516	0	%100
50	MP3CA	Z	.298	.298	0	%100
51	MP4CA	X	.516	.516	0	%100
52	MP4CA	Z	.298	.298	0	%100
53	MP1B	X	.516	.516	0	%100
54	MP1B	Z	.298	.298	0	%100
55	MP2B	X	.516	.516	0	%100
56	MP2B	Z	.298	.298	0	%100
57	MP3B	X	.516	.516	0	%100
58	MP3B	Z	.298	.298	0	%100
59	MP4B	X	.516	.516	0	%100
60	MP4B	Z	.298	.298	0	%100
61	MP3C	X	.516	.516	0	%100
62	MP3C	Z	.298	.298	0	%100
63	M61	X	.156	.156	0	%100
64	M61	Z	.09	.09	0	%100
65	M66	X	.156	.156	0	%100
66	M66	Z	.09	.09	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
67	M71	X	.624	.624	0	%100
68	M71	Z	.361	.361	0	%100
69	M82	X	.198	.198	0	%100
70	M82	Z	.114	.114	0	%100
71	M83	X	.791	.791	0	%100
72	M83	Z	.457	.457	0	%100
73	M84	X	.198	.198	0	%100
74	M84	Z	.114	.114	0	%100
75	M86	X	.87	.87	0	%100
76	M86	Z	.503	.503	0	%100
77	M88	X	.87	.87	0	%100
78	M88	Z	.503	.503	0	%100
79	M90	X	.224	.224	0	%100
80	M90	Z	.129	.129	0	%100
81	MP4C	X	.516	.516	0	%100
82	MP4C	Z	.298	.298	0	%100
83	M95	X	.47	.47	0	%100
84	M95	Z	.271	.271	0	%100
85	M97	X	.47	.47	0	%100
86	M97	Z	.271	.271	0	%100
87	M99	X	.47	.47	0	%100
88	M99	Z	.271	.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	.47	.47	0	%100
2	M1	Z	.815	.815	0	%100
3	M2	X	.132	.132	0	%100
4	M2	Z	.229	.229	0	%100
5	M3	X	.47	.47	0	%100
6	M3	Z	.815	.815	0	%100
7	M4	X	.526	.526	0	%100
8	M4	Z	.912	.912	0	%100
9	M5	X	.089	.089	0	%100
10	M5	Z	.155	.155	0	%100
11	M8	X	.116	.116	0	%100
12	M8	Z	.201	.201	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.131	.131	0	%100
16	M10	Z	.227	.227	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.131	.131	0	%100
20	M12	Z	.227	.227	0	%100
21	M13	X	.357	.357	0	%100
22	M13	Z	.619	.619	0	%100
23	M16	X	.465	.465	0	%100
24	M16	Z	.805	.805	0	%100
25	M17	X	.47	.47	0	%100
26	M17	Z	.815	.815	0	%100
27	M18	X	.526	.526	0	%100
28	M18	Z	.912	.912	0	%100
29	M19	X	.47	.47	0	%100
30	M19	Z	.815	.815	0	%100
31	M20	X	.132	.132	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
32	M20	Z	.229	.229	0	%100
33	M21	X	.089	.089	0	%100
34	M21	Z	.155	.155	0	%100
35	M24	X	.116	.116	0	%100
36	M24	Z	.201	.201	0	%100
37	MP1A	X	.298	.298	0	%100
38	MP1A	Z	.516	.516	0	%100
39	MP2A	X	.298	.298	0	%100
40	MP2A	Z	.516	.516	0	%100
41	MP3A	X	.298	.298	0	%100
42	MP3A	Z	.516	.516	0	%100
43	MP4A	X	.298	.298	0	%100
44	MP4A	Z	.516	.516	0	%100
45	MP1C	X	.298	.298	0	%100
46	MP1C	Z	.516	.516	0	%100
47	MP2C	X	.298	.298	0	%100
48	MP2C	Z	.516	.516	0	%100
49	MP3CA	X	.298	.298	0	%100
50	MP3CA	Z	.516	.516	0	%100
51	MP4CA	X	.298	.298	0	%100
52	MP4CA	Z	.516	.516	0	%100
53	MP1B	X	.298	.298	0	%100
54	MP1B	Z	.516	.516	0	%100
55	MP2B	X	.298	.298	0	%100
56	MP2B	Z	.516	.516	0	%100
57	MP3B	X	.298	.298	0	%100
58	MP3B	Z	.516	.516	0	%100
59	MP4B	X	.298	.298	0	%100
60	MP4B	Z	.516	.516	0	%100
61	MP3C	X	.298	.298	0	%100
62	MP3C	Z	.516	.516	0	%100
63	M61	X	.27	.27	0	%100
64	M61	Z	.468	.468	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	.27	.27	0	%100
68	M71	Z	.468	.468	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	.343	.343	0	%100
72	M83	Z	.593	.593	0	%100
73	M84	X	.343	.343	0	%100
74	M84	Z	.593	.593	0	%100
75	M86	X	.254	.254	0	%100
76	M86	Z	.439	.439	0	%100
77	M88	X	.627	.627	0	%100
78	M88	Z	1.086	1.086	0	%100
79	M90	X	.254	.254	0	%100
80	M90	Z	.439	.439	0	%100
81	MP4C	X	.298	.298	0	%100
82	MP4C	Z	.516	.516	0	%100
83	M95	X	.271	.271	0	%100
84	M95	Z	.47	.47	0	%100
85	M97	X	.271	.271	0	%100
86	M97	Z	.47	.47	0	%100
87	M99	X	.271	.271	0	%100
88	M99	Z	.47	.47	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	1.254	1.254	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.791	.791	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.254	1.254	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.791	.791	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.314	.314	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	3e-6	3e-6	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	.314	.314	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	.788	.788	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	.536	.536	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	.697	.697	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	.314	.314	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.788	.788	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.314	.314	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	3e-6	3e-6	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	.536	.536	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	.697	.697	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	.596	.596	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	.596	.596	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	.596	.596	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	.596	.596	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	.596	.596	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	.596	.596	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	.596	.596	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	.596	.596	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	.596	.596	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	.596	.596	0	%100
57	MP3B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	MP3B	Z	.596	.596	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	.596	.596	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	.596	.596	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	.721	.721	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	.18	.18	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	.18	.18	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	.228	.228	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	.228	.228	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	.914	.914	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	.258	.258	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	1.005	1.005	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	1.005	1.005	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	.596	.596	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	.543	.543	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	.543	.543	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	.543	.543	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.47	-.47	0	%100
2	M1	Z	.815	.815	0	%100
3	M2	X	-.526	-.526	0	%100
4	M2	Z	.912	.912	0	%100
5	M3	X	-.47	-.47	0	%100
6	M3	Z	.815	.815	0	%100
7	M4	X	-.132	-.132	0	%100
8	M4	Z	.229	.229	0	%100
9	M5	X	-.089	-.089	0	%100
10	M5	Z	.155	.155	0	%100
11	M8	X	-.116	-.116	0	%100
12	M8	Z	.201	.201	0	%100
13	M9	X	-.47	-.47	0	%100
14	M9	Z	.815	.815	0	%100
15	M10	X	-.132	-.132	0	%100
16	M10	Z	.229	.229	0	%100
17	M11	X	-.47	-.47	0	%100
18	M11	Z	.815	.815	0	%100
19	M12	X	-.526	-.526	0	%100
20	M12	Z	.912	.912	0	%100
21	M13	X	-.089	-.089	0	%100
22	M13	Z	.155	.155	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
23	M16	X	-.116	-.116	0	%100
24	M16	Z	.201	.201	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.131	-.131	0	%100
28	M18	Z	.227	.227	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.131	-.131	0	%100
32	M20	Z	.227	.227	0	%100
33	M21	X	-.357	-.357	0	%100
34	M21	Z	.619	.619	0	%100
35	M24	X	-.465	-.465	0	%100
36	M24	Z	.805	.805	0	%100
37	MP1A	X	-.298	-.298	0	%100
38	MP1A	Z	.516	.516	0	%100
39	MP2A	X	-.298	-.298	0	%100
40	MP2A	Z	.516	.516	0	%100
41	MP3A	X	-.298	-.298	0	%100
42	MP3A	Z	.516	.516	0	%100
43	MP4A	X	-.298	-.298	0	%100
44	MP4A	Z	.516	.516	0	%100
45	MP1C	X	-.298	-.298	0	%100
46	MP1C	Z	.516	.516	0	%100
47	MP2C	X	-.298	-.298	0	%100
48	MP2C	Z	.516	.516	0	%100
49	MP3CA	X	-.298	-.298	0	%100
50	MP3CA	Z	.516	.516	0	%100
51	MP4CA	X	-.298	-.298	0	%100
52	MP4CA	Z	.516	.516	0	%100
53	MP1B	X	-.298	-.298	0	%100
54	MP1B	Z	.516	.516	0	%100
55	MP2B	X	-.298	-.298	0	%100
56	MP2B	Z	.516	.516	0	%100
57	MP3B	X	-.298	-.298	0	%100
58	MP3B	Z	.516	.516	0	%100
59	MP4B	X	-.298	-.298	0	%100
60	MP4B	Z	.516	.516	0	%100
61	MP3C	X	-.298	-.298	0	%100
62	MP3C	Z	.516	.516	0	%100
63	M61	X	-.27	-.27	0	%100
64	M61	Z	.468	.468	0	%100
65	M66	X	-.27	-.27	0	%100
66	M66	Z	.468	.468	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-.343	-.343	0	%100
70	M82	Z	.593	.593	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	-.343	-.343	0	%100
74	M84	Z	.593	.593	0	%100
75	M86	X	-.254	-.254	0	%100
76	M86	Z	.439	.439	0	%100
77	M88	X	-.254	-.254	0	%100
78	M88	Z	.439	.439	0	%100
79	M90	X	-.627	-.627	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
80	M90	Z	1.086	1.086	0	%100
81	MP4C	X	-.298	-.298	0	%100
82	MP4C	Z	.516	.516	0	%100
83	M95	X	-.271	-.271	0	%100
84	M95	Z	.47	.47	0	%100
85	M97	X	-.271	-.271	0	%100
86	M97	Z	.47	.47	0	%100
87	M99	X	-.271	-.271	0	%100
88	M99	Z	.47	.47	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.272	-.272	0	%100
2	M1	Z	.157	.157	0	%100
3	M2	X	-.683	-.683	0	%100
4	M2	Z	.394	.394	0	%100
5	M3	X	-.272	-.272	0	%100
6	M3	Z	.157	.157	0	%100
7	M4	X	-3e-6	-3e-6	0	%100
8	M4	Z	2e-6	2e-6	0	%100
9	M5	X	-.464	-.464	0	%100
10	M5	Z	.268	.268	0	%100
11	M8	X	-.604	-.604	0	%100
12	M8	Z	.349	.349	0	%100
13	M9	X	-1.086	-1.086	0	%100
14	M9	Z	.627	.627	0	%100
15	M10	X	-.685	-.685	0	%100
16	M10	Z	.396	.396	0	%100
17	M11	X	-1.086	-1.086	0	%100
18	M11	Z	.627	.627	0	%100
19	M12	X	-.685	-.685	0	%100
20	M12	Z	.396	.396	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.272	-.272	0	%100
26	M17	Z	.157	.157	0	%100
27	M18	X	-3e-6	-3e-6	0	%100
28	M18	Z	2e-6	2e-6	0	%100
29	M19	X	-.272	-.272	0	%100
30	M19	Z	.157	.157	0	%100
31	M20	X	-.683	-.683	0	%100
32	M20	Z	.394	.394	0	%100
33	M21	X	-.464	-.464	0	%100
34	M21	Z	.268	.268	0	%100
35	M24	X	-.604	-.604	0	%100
36	M24	Z	.349	.349	0	%100
37	MP1A	X	-.516	-.516	0	%100
38	MP1A	Z	.298	.298	0	%100
39	MP2A	X	-.516	-.516	0	%100
40	MP2A	Z	.298	.298	0	%100
41	MP3A	X	-.516	-.516	0	%100
42	MP3A	Z	.298	.298	0	%100
43	MP4A	X	-.516	-.516	0	%100
44	MP4A	Z	.298	.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
45	MP1C	X	-.516	-.516	0	%100
46	MP1C	Z	.298	.298	0	%100
47	MP2C	X	-.516	-.516	0	%100
48	MP2C	Z	.298	.298	0	%100
49	MP3CA	X	-.516	-.516	0	%100
50	MP3CA	Z	.298	.298	0	%100
51	MP4CA	X	-.516	-.516	0	%100
52	MP4CA	Z	.298	.298	0	%100
53	MP1B	X	-.516	-.516	0	%100
54	MP1B	Z	.298	.298	0	%100
55	MP2B	X	-.516	-.516	0	%100
56	MP2B	Z	.298	.298	0	%100
57	MP3B	X	-.516	-.516	0	%100
58	MP3B	Z	.298	.298	0	%100
59	MP4B	X	-.516	-.516	0	%100
60	MP4B	Z	.298	.298	0	%100
61	MP3C	X	-.516	-.516	0	%100
62	MP3C	Z	.298	.298	0	%100
63	M61	X	-.156	-.156	0	%100
64	M61	Z	.09	.09	0	%100
65	M66	X	-.624	-.624	0	%100
66	M66	Z	.361	.361	0	%100
67	M71	X	-.156	-.156	0	%100
68	M71	Z	.09	.09	0	%100
69	M82	X	-.791	-.791	0	%100
70	M82	Z	.457	.457	0	%100
71	M83	X	-.198	-.198	0	%100
72	M83	Z	.114	.114	0	%100
73	M84	X	-.198	-.198	0	%100
74	M84	Z	.114	.114	0	%100
75	M86	X	-.87	-.87	0	%100
76	M86	Z	.503	.503	0	%100
77	M88	X	-.224	-.224	0	%100
78	M88	Z	.129	.129	0	%100
79	M90	X	-.87	-.87	0	%100
80	M90	Z	.503	.503	0	%100
81	MP4C	X	-.516	-.516	0	%100
82	MP4C	Z	.298	.298	0	%100
83	M95	X	-.47	-.47	0	%100
84	M95	Z	.271	.271	0	%100
85	M97	X	-.47	-.47	0	%100
86	M97	Z	.271	.271	0	%100
87	M99	X	-.47	-.47	0	%100
88	M99	Z	.271	.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.262	-.262	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	-.262	-.262	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.715	-.715	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
10	M5	Z	0	0	0	%100
11	M8	X	-.93	-.93	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-.941	-.941	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-1.053	-1.053	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-.941	-.941	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.265	-.265	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-.179	-.179	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	-.232	-.232	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.941	-.941	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.265	-.265	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-.941	-.941	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-1.053	-1.053	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-.179	-.179	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-.232	-.232	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-.596	-.596	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-.596	-.596	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-.596	-.596	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-.596	-.596	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	-.596	-.596	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-.596	-.596	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	-.596	-.596	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	-.596	-.596	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	-.596	-.596	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	-.596	-.596	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	-.596	-.596	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	-.596	-.596	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	-.596	-.596	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	-.541	-.541	0	%100
66	M66	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
67	M71	X	-.541	-.541	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-.685	-.685	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-.685	-.685	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	-1.254	-1.254	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	-.507	-.507	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	-.507	-.507	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	-.596	-.596	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	-.543	-.543	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	-.543	-.543	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	-.543	-.543	0	%100
88	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	-.272	-.272	0	%100
2	M1	Z	-.157	-.157	0	%100
3	M2	X	-3e-6	-3e-6	0	%100
4	M2	Z	-2e-6	-2e-6	0	%100
5	M3	X	-.272	-.272	0	%100
6	M3	Z	-.157	-.157	0	%100
7	M4	X	-.683	-.683	0	%100
8	M4	Z	-.394	-.394	0	%100
9	M5	X	-.464	-.464	0	%100
10	M5	Z	-.268	-.268	0	%100
11	M8	X	-.604	-.604	0	%100
12	M8	Z	-.349	-.349	0	%100
13	M9	X	-.272	-.272	0	%100
14	M9	Z	-.157	-.157	0	%100
15	M10	X	-.683	-.683	0	%100
16	M10	Z	-.394	-.394	0	%100
17	M11	X	-.272	-.272	0	%100
18	M11	Z	-.157	-.157	0	%100
19	M12	X	-3e-6	-3e-6	0	%100
20	M12	Z	-2e-6	-2e-6	0	%100
21	M13	X	-.464	-.464	0	%100
22	M13	Z	-.268	-.268	0	%100
23	M16	X	-.604	-.604	0	%100
24	M16	Z	-.349	-.349	0	%100
25	M17	X	-1.086	-1.086	0	%100
26	M17	Z	-.627	-.627	0	%100
27	M18	X	-.685	-.685	0	%100
28	M18	Z	-.396	-.396	0	%100
29	M19	X	-1.086	-1.086	0	%100
30	M19	Z	-.627	-.627	0	%100
31	M20	X	-.685	-.685	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
32	M20	Z	-.396	-.396	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-.516	-.516	0	%100
38	MP1A	Z	-.298	-.298	0	%100
39	MP2A	X	-.516	-.516	0	%100
40	MP2A	Z	-.298	-.298	0	%100
41	MP3A	X	-.516	-.516	0	%100
42	MP3A	Z	-.298	-.298	0	%100
43	MP4A	X	-.516	-.516	0	%100
44	MP4A	Z	-.298	-.298	0	%100
45	MP1C	X	-.516	-.516	0	%100
46	MP1C	Z	-.298	-.298	0	%100
47	MP2C	X	-.516	-.516	0	%100
48	MP2C	Z	-.298	-.298	0	%100
49	MP3CA	X	-.516	-.516	0	%100
50	MP3CA	Z	-.298	-.298	0	%100
51	MP4CA	X	-.516	-.516	0	%100
52	MP4CA	Z	-.298	-.298	0	%100
53	MP1B	X	-.516	-.516	0	%100
54	MP1B	Z	-.298	-.298	0	%100
55	MP2B	X	-.516	-.516	0	%100
56	MP2B	Z	-.298	-.298	0	%100
57	MP3B	X	-.516	-.516	0	%100
58	MP3B	Z	-.298	-.298	0	%100
59	MP4B	X	-.516	-.516	0	%100
60	MP4B	Z	-.298	-.298	0	%100
61	MP3C	X	-.516	-.516	0	%100
62	MP3C	Z	-.298	-.298	0	%100
63	M61	X	-.156	-.156	0	%100
64	M61	Z	-.09	-.09	0	%100
65	M66	X	-.156	-.156	0	%100
66	M66	Z	-.09	-.09	0	%100
67	M71	X	-.624	-.624	0	%100
68	M71	Z	-.361	-.361	0	%100
69	M82	X	-.198	-.198	0	%100
70	M82	Z	-.114	-.114	0	%100
71	M83	X	-.791	-.791	0	%100
72	M83	Z	-.457	-.457	0	%100
73	M84	X	-.198	-.198	0	%100
74	M84	Z	-.114	-.114	0	%100
75	M86	X	-.87	-.87	0	%100
76	M86	Z	-.503	-.503	0	%100
77	M88	X	-.87	-.87	0	%100
78	M88	Z	-.503	-.503	0	%100
79	M90	X	-.224	-.224	0	%100
80	M90	Z	-.129	-.129	0	%100
81	MP4C	X	-.516	-.516	0	%100
82	MP4C	Z	-.298	-.298	0	%100
83	M95	X	-.47	-.47	0	%100
84	M95	Z	-.271	-.271	0	%100
85	M97	X	-.47	-.47	0	%100
86	M97	Z	-.271	-.271	0	%100
87	M99	X	-.47	-.47	0	%100
88	M99	Z	-.271	-.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	X	-.47	-.47	0	%100
2	M1	Z	-.815	-.815	0	%100
3	M2	X	-.132	-.132	0	%100
4	M2	Z	-.229	-.229	0	%100
5	M3	X	-.47	-.47	0	%100
6	M3	Z	-.815	-.815	0	%100
7	M4	X	-.526	-.526	0	%100
8	M4	Z	-.912	-.912	0	%100
9	M5	X	-.089	-.089	0	%100
10	M5	Z	-.155	-.155	0	%100
11	M8	X	-.116	-.116	0	%100
12	M8	Z	-.201	-.201	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-.131	-.131	0	%100
16	M10	Z	-.227	-.227	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.131	-.131	0	%100
20	M12	Z	-.227	-.227	0	%100
21	M13	X	-.357	-.357	0	%100
22	M13	Z	-.619	-.619	0	%100
23	M16	X	-.465	-.465	0	%100
24	M16	Z	-.805	-.805	0	%100
25	M17	X	-.47	-.47	0	%100
26	M17	Z	-.815	-.815	0	%100
27	M18	X	-.526	-.526	0	%100
28	M18	Z	-.912	-.912	0	%100
29	M19	X	-.47	-.47	0	%100
30	M19	Z	-.815	-.815	0	%100
31	M20	X	-.132	-.132	0	%100
32	M20	Z	-.229	-.229	0	%100
33	M21	X	-.089	-.089	0	%100
34	M21	Z	-.155	-.155	0	%100
35	M24	X	-.116	-.116	0	%100
36	M24	Z	-.201	-.201	0	%100
37	MP1A	X	-.298	-.298	0	%100
38	MP1A	Z	-.516	-.516	0	%100
39	MP2A	X	-.298	-.298	0	%100
40	MP2A	Z	-.516	-.516	0	%100
41	MP3A	X	-.298	-.298	0	%100
42	MP3A	Z	-.516	-.516	0	%100
43	MP4A	X	-.298	-.298	0	%100
44	MP4A	Z	-.516	-.516	0	%100
45	MP1C	X	-.298	-.298	0	%100
46	MP1C	Z	-.516	-.516	0	%100
47	MP2C	X	-.298	-.298	0	%100
48	MP2C	Z	-.516	-.516	0	%100
49	MP3CA	X	-.298	-.298	0	%100
50	MP3CA	Z	-.516	-.516	0	%100
51	MP4CA	X	-.298	-.298	0	%100
52	MP4CA	Z	-.516	-.516	0	%100
53	MP1B	X	-.298	-.298	0	%100
54	MP1B	Z	-.516	-.516	0	%100
55	MP2B	X	-.298	-.298	0	%100
56	MP2B	Z	-.516	-.516	0	%100
57	MP3B	X	-.298	-.298	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
58	MP3B	Z	-.516	-.516	0	%100
59	MP4B	X	-.298	-.298	0	%100
60	MP4B	Z	-.516	-.516	0	%100
61	MP3C	X	-.298	-.298	0	%100
62	MP3C	Z	-.516	-.516	0	%100
63	M61	X	-.27	-.27	0	%100
64	M61	Z	-.468	-.468	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-.27	-.27	0	%100
68	M71	Z	-.468	-.468	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-.343	-.343	0	%100
72	M83	Z	-.593	-.593	0	%100
73	M84	X	-.343	-.343	0	%100
74	M84	Z	-.593	-.593	0	%100
75	M86	X	-.254	-.254	0	%100
76	M86	Z	-.439	-.439	0	%100
77	M88	X	-.627	-.627	0	%100
78	M88	Z	-1.086	-1.086	0	%100
79	M90	X	-.254	-.254	0	%100
80	M90	Z	-.439	-.439	0	%100
81	MP4C	X	-.298	-.298	0	%100
82	MP4C	Z	-.516	-.516	0	%100
83	M95	X	-.271	-.271	0	%100
84	M95	Z	-.47	-.47	0	%100
85	M97	X	-.271	-.271	0	%100
86	M97	Z	-.47	-.47	0	%100
87	M99	X	-.271	-.271	0	%100
88	M99	Z	-.47	-.47	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft...
1	M1	Y	-.102	-3.017	0	2
2	M1	Y	-3.017	-4.935	2	4
3	M1	Y	-4.935	-4.659	4	6
4	M1	Y	-4.659	-4.659	6	8
5	M1	Y	-4.659	-4.935	8	10
6	M1	Y	-4.935	-3.017	10	12
7	M1	Y	-3.017	-.102	12	14
8	M2	Y	-.5	-2.435	0	1.923
9	M2	Y	-2.435	-4.37	1.923	3.845
10	M3	Y	-5.056	-5.056	.013	7.32
11	M4	Y	-4.37	-2.435	0	1.923
12	M4	Y	-2.435	-.5	1.923	3.845
13	M9	Y	-1.029	-2.633	0	2.333
14	M9	Y	-2.633	-4.712	2.333	4.667
15	M9	Y	-4.712	-5.988	4.667	7
16	M9	Y	-5.988	-4.712	7	9.333
17	M9	Y	-4.712	-2.633	9.333	11.667
18	M9	Y	-2.633	-1.029	11.667	14
19	M10	Y	-.5	-2.435	0	1.923
20	M10	Y	-2.435	-4.37	1.923	3.845
21	M11	Y	-5.056	-5.056	.013	7.32
22	M12	Y	-4.37	-2.435	0	1.923

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
23	M12	Y	-2.435	-.5	1.923	3.845
24	M17	Y	-1.029	-2.633	0	2.333
25	M17	Y	-2.633	-4.712	2.333	4.667
26	M17	Y	-4.712	-5.988	4.667	7
27	M17	Y	-5.988	-4.712	7	9.333
28	M17	Y	-4.712	-2.633	9.333	11.667
29	M17	Y	-2.633	-1.029	11.667	14
30	M18	Y	-.5	-2.435	0	1.923
31	M18	Y	-2.435	-4.37	1.923	3.845
32	M19	Y	-5.056	-5.056	.013	7.32
33	M20	Y	-4.37	-2.435	0	1.923
34	M20	Y	-2.435	-.5	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	Y	-.307	-9.109	0	2
2	M1	Y	-9.109	-14.899	2	4
3	M1	Y	-14.899	-14.066	4	6
4	M1	Y	-14.066	-14.066	6	8
5	M1	Y	-14.066	-14.899	8	10
6	M1	Y	-14.899	-9.109	10	12
7	M1	Y	-9.109	-.307	12	14
8	M2	Y	-1.508	-7.351	0	1.923
9	M2	Y	-7.351	-13.193	1.923	3.845
10	M3	Y	-15.265	-15.265	.013	7.32
11	M4	Y	-13.193	-7.351	0	1.923
12	M4	Y	-7.351	-1.508	1.923	3.845
13	M9	Y	-3.106	-7.949	0	2.333
14	M9	Y	-7.949	-14.225	2.333	4.667
15	M9	Y	-14.225	-18.08	4.667	7
16	M9	Y	-18.08	-14.225	7	9.333
17	M9	Y	-14.225	-7.949	9.333	11.667
18	M9	Y	-7.949	-3.106	11.667	14
19	M10	Y	-1.508	-7.351	0	1.923
20	M10	Y	-7.351	-13.193	1.923	3.845
21	M11	Y	-15.265	-15.265	.013	7.32
22	M12	Y	-13.193	-7.351	0	1.923
23	M12	Y	-7.351	-1.508	1.923	3.845
24	M17	Y	-3.106	-7.949	0	2.333
25	M17	Y	-7.949	-14.225	2.333	4.667
26	M17	Y	-14.225	-18.08	4.667	7
27	M17	Y	-18.08	-14.225	7	9.333
28	M17	Y	-14.225	-7.949	9.333	11.667
29	M17	Y	-7.949	-3.106	11.667	14
30	M18	Y	-1.508	-7.351	0	1.923
31	M18	Y	-7.351	-13.193	1.923	3.845
32	M19	Y	-15.265	-15.265	.013	7.32
33	M20	Y	-13.193	-7.351	0	1.923
34	M20	Y	-7.351	-1.508	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	Y	-.004	-.117	0	2
2	M1	Y	-.117	-.191	2	4
3	M1	Y	-.191	-.18	4	6
4	M1	Y	-.18	-.18	6	8

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
5	M1	Y	-.18	-.191	8	10
6	M1	Y	-.191	-.117	10	12
7	M1	Y	-.117	-.004	12	14
8	M2	Y	-.019	-.094	0	1.923
9	M2	Y	-.094	-.169	1.923	3.845
10	M3	Y	-.195	-.195	.013	7.32
11	M4	Y	-.169	-.094	0	1.923
12	M4	Y	-.094	-.019	1.923	3.845
13	M9	Y	-.04	-.102	0	2.333
14	M9	Y	-.102	-.182	2.333	4.667
15	M9	Y	-.182	-.231	4.667	7
16	M9	Y	-.231	-.182	7	9.333
17	M9	Y	-.182	-.102	9.333	11.667
18	M9	Y	-.102	-.04	11.667	14
19	M10	Y	-.019	-.094	0	1.923
20	M10	Y	-.094	-.169	1.923	3.845
21	M11	Y	-.195	-.195	.013	7.32
22	M12	Y	-.169	-.094	0	1.923
23	M12	Y	-.094	-.019	1.923	3.845
24	M17	Y	-.04	-.102	0	2.333
25	M17	Y	-.102	-.182	2.333	4.667
26	M17	Y	-.182	-.231	4.667	7
27	M17	Y	-.231	-.182	7	9.333
28	M17	Y	-.182	-.102	9.333	11.667
29	M17	Y	-.102	-.04	11.667	14
30	M18	Y	-.019	-.094	0	1.923
31	M18	Y	-.094	-.169	1.923	3.845
32	M19	Y	-.195	-.195	.013	7.32
33	M20	Y	-.169	-.094	0	1.923
34	M20	Y	-.094	-.019	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f...	End Location[ft...
1	M1	Z	-.01	-.291	0	2
2	M1	Z	-.291	-.476	2	4
3	M1	Z	-.476	-.45	4	6
4	M1	Z	-.45	-.45	6	8
5	M1	Z	-.45	-.476	8	10
6	M1	Z	-.476	-.291	10	12
7	M1	Z	-.291	-.01	12	14
8	M2	Z	-.048	-.235	0	1.923
9	M2	Z	-.235	-.422	1.923	3.845
10	M3	Z	-.488	-.488	.013	7.32
11	M4	Z	-.422	-.235	0	1.923
12	M4	Z	-.235	-.048	1.923	3.845
13	M9	Z	-.099	-.254	0	2.333
14	M9	Z	-.254	-.455	2.333	4.667
15	M9	Z	-.455	-.578	4.667	7
16	M9	Z	-.578	-.455	7	9.333
17	M9	Z	-.455	-.254	9.333	11.667
18	M9	Z	-.254	-.099	11.667	14
19	M10	Z	-.048	-.235	0	1.923
20	M10	Z	-.235	-.422	1.923	3.845
21	M11	Z	-.488	-.488	.013	7.32
22	M12	Z	-.422	-.235	0	1.923
23	M12	Z	-.235	-.048	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
24	M17	Z	-.099	-.254	0	2.333
25	M17	Z	-.254	-.455	2.333	4.667
26	M17	Z	-.455	-.578	4.667	7
27	M17	Z	-.578	-.455	7	9.333
28	M17	Z	-.455	-.254	9.333	11.667
29	M17	Z	-.254	-.099	11.667	14
30	M18	Z	-.048	-.235	0	1.923
31	M18	Z	-.235	-.422	1.923	3.845
32	M19	Z	-.488	-.488	.013	7.32
33	M20	Z	-.422	-.235	0	1.923
34	M20	Z	-.235	-.048	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	.01	.291	0	2
2	M1	X	.291	.476	2	4
3	M1	X	.476	.45	4	6
4	M1	X	.45	.45	6	8
5	M1	X	.45	.476	8	10
6	M1	X	.476	.291	10	12
7	M1	X	.291	.01	12	14
8	M2	X	.048	.235	0	1.923
9	M2	X	.235	.422	1.923	3.845
10	M3	X	.488	.488	.013	7.32
11	M4	X	.422	.235	0	1.923
12	M4	X	.235	.048	1.923	3.845
13	M9	X	.099	.254	0	2.333
14	M9	X	.254	.455	2.333	4.667
15	M9	X	.455	.578	4.667	7
16	M9	X	.578	.455	7	9.333
17	M9	X	.455	.254	9.333	11.667
18	M9	X	.254	.099	11.667	14
19	M10	X	.048	.235	0	1.923
20	M10	X	.235	.422	1.923	3.845
21	M11	X	.488	.488	.013	7.32
22	M12	X	.422	.235	0	1.923
23	M12	X	.235	.048	1.923	3.845
24	M17	X	.099	.254	0	2.333
25	M17	X	.254	.455	2.333	4.667
26	M17	X	.455	.578	4.667	7
27	M17	X	.578	.455	7	9.333
28	M17	X	.455	.254	9.333	11.667
29	M17	X	.254	.099	11.667	14
30	M18	X	.048	.235	0	1.923
31	M18	X	.235	.422	1.923	3.845
32	M19	X	.488	.488	.013	7.32
33	M20	X	.422	.235	0	1.923
34	M20	X	.235	.048	1.923	3.845

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.005
2	N13	N16	N15	N12	Y	Two Way	-.005
3	N23	N26A	N25	N22	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.016
2	N13	N16	N15	N12	Y	Two Way	-.016
3	N23	N26A	N25	N22	Y	Two Way	-.016

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.000201
2	N13	N16	N15	N12	Y	Two Way	-.000201
3	N23	N26A	N25	N22	Y	Two Way	-.000201

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Z	Two Way	-.000502
2	N13	N16	N15	N12	Z	Two Way	-.000502
3	N23	N26A	N25	N22	Z	Two Way	-.000502

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	X	Two Way	.000502
2	N13	N16	N15	N12	X	Two Way	.000502
3	N23	N26A	N25	N22	X	Two Way	.000502

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	N7	max	1930.53	9	1787.985	21	1205.517	1	-.883	1	1.513	8	.455	3
2		min	-2107.163	3	426.345	68	-1199.954	7	-3.991	19	-1.635	2	-.518	9
3	N17	max	1697.43	10	1863.908	17	1800.669	1	2.026	13	1.692	5	3.799	16
4		min	-1693.188	4	444.235	64	-1902.273	7	.145	7	-1.63	11	.741	10
5	N27	max	1460.612	10	1743.777	24	1827.094	12	2.205	13	1.467	12	-.799	67
6		min	-1508.602	4	422.73	72	-1758.874	6	.343	7	-1.4	6	-3.394	22
7	N134	max	62.449	10	1407.609	13	-876.242	70	0	75	0	4	0	10
8		min	-62.425	4	341.217	70	-3606.879	13	0	1	0	10	0	4
9	N136	max	-727.854	66	1402.559	21	1796.322	21	0	6	0	48	0	48
10		min	-3111.684	21	328.075	66	420.22	66	-.001	48	0	6	0	6
11	N137	max	3407.455	17	1527.632	17	1967.57	17	0	8	0	8	0	8
12		min	807.217	74	361.73	74	465.927	73	0	2	0	2	0	2
13	Totals:	max	4793.568	10	9632.752	18	4606.664	1						
14		min	-4793.568	4	2362.849	75	-4606.658	7						

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

	Member	Shape	Code Check	L...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
1	M1	L3X3X5	.457	2...	47	.128	7	z	35	19170....	57672	2.015	4.393	1...	H2-1
2	M2	L3X3X5	.239	0	14	.034	.961	z	18	41471....	57672	2.015	4.572	3...	H2-1
3	M3	L3X3X5	.137	3...	18	.016	3.667	z	14	17649....	57672	2.015	4.301	1...	H2-1
4	M4	L3X3X5	.240	3...	24	.039	2.884	z	43	41471....	57672	2.015	4.572	3...	H2-1
5	M5	HSS4X4X5	.233	0	18	.074	0	z	3	169034...	169740	19.285	19.285	1...	H1-1b
6	M8	HSS4.5X4...	.151	0	16	.054	0	y	17	119907...	121302	16.25	16.25	1...	H1-1b
7	M9	L3X3X5	.382	0	15	.118	7	z	15	19170....	57672	2.015	2.99	1	H2-1
8	M10	L3X3X5	.216	0	22	.031	.961	z	14	41471....	57672	2.015	4.572	3...	H2-1
9	M11	L3X3X5	.138	3...	17	.017	3.667	z	18	17649....	57672	2.015	4.317	1...	H2-1
10	M12	L3X3X5	.264	3...	20	.037	2.884	z	19	41471....	57672	2.015	4.572	3...	H2-1
11	M13	HSS4X4X5	.251	0	17	.083	0	z	5	169034...	169740	19.285	19.285	1...	H1-1b

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

	Member	Shape	Code Check	L...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
12	M16	HSS4.5X4...	.164	0	18	.059	0	y	24	119907...	121302	16.25	16.25	1...	H1-1b
13	M17	L3X3X5	.349	0	23	.081	7	z	15	19170....	57672	2.015	2.99	1	H2-1
14	M18	L3X3X5	.216	0	18	.034	.961	z	42	41471....	57672	2.015	4.572	3...	H2-1
15	M19	L3X3X5	.129	3...	13	.016	3.667	z	14	17649....	57672	2.015	4.321	1...	H2-1
16	M20	L3X3X5	.238	3...	16	.034	2.884	z	15	41471....	57672	2.015	4.572	3...	H2-1
17	M21	HSS4X4X5	.231	0	24	.068	0	z	1	169034...	169740	19.285	19.285	1...	H1-1b
18	M24	HSS4.5X4...	.157	0	14	.055	0	y	21	119907...	121302	16.25	16.25	1...	H1-1b
19	MP1A	PIPE 2.0	.212	2...	2	.065	.438		16	20866....	32130	1.872	1.872	1...	H1-1b
20	MP2A	PIPE 2.0	.084	2...	3	.045	1.438		6	20866....	32130	1.872	1.872	2...	H1-1b
21	MP3A	PIPE 2.0	.372	2...	1	.065	2.875		1	20866....	32130	1.872	1.872	4...	H1-1b
22	MP4A	PIPE 2.0	.182	2...	23	.035	2.875		8	20866....	32130	1.872	1.872	3...	H1-1b
23	MP1C	PIPE 2.0	.187	2...	23	.038	1.438		12	20866....	32130	1.872	1.872	3...	H1-1b
24	MP2C	PIPE 2.0	.086	2...	11	.052	1.438		14	20866....	32130	1.872	1.872	2...	H1-1b
25	MP3CA	PIPE 2.0	.254	2...	11	.106	2.875		11	20866....	32130	1.872	1.872	1...	H1-1b
26	MP4CA	PIPE 2.0	.237	2...	18	.093	.375		14	20866....	32130	1.872	1.872	1...	H1-1b
27	MP1B	PIPE 2.0	.247	2...	5	.056	.438		7	20866....	32130	1.872	1.872	1...	H1-1b
28	MP2B	PIPE 2.0	.072	2...	1	.046	.375		4	20866....	32130	1.872	1.872	3...	H1-1b
29	MP3B	PIPE 2.0	.372	2...	5	.063	2.875		4	20866....	32130	1.872	1.872	1...	H1-1b
30	MP4B	PIPE 2.0	.216	2...	15	.044	2.875		24	20866....	32130	1.872	1.872	2...	H1-1b
31	MP3C	PIPE 2.0	.099	5	11	.049	1		3	20866....	32130	1.872	1.872	1...	H1-1b
32	M61	PIPE 2.5	.081	1...	15	.040	10.1...		6	12481....	50715	3.596	3.596	1...	H1-1b
33	M66	PIPE 2.5	.101	6...	14	.057	11.9...		14	12481....	50715	3.596	3.596	1	H1-1b
34	M71	PIPE 2.5	.062	1...	12	.040	2.672		24	12481....	50715	3.596	3.596	1	H1-1b
35	M82	L3X3X4	.090	0	5	.059	2.178	y	44	42001....	46656	1.688	3.756	2...	H2-1
36	M83	L3X3X4	.157	2...	15	.034	2.178	y	16	42001....	46656	1.688	3.756	1...	H2-1
37	M84	L3X3X4	.091	0	15	.029	0	y	16	42001....	46656	1.688	3.756	1...	H2-1
38	M86	LL3x3x3x6	.084	6...	13	.004	0	y	16	46017....	70632	6.362	3.751	1	H1-1b*
39	M88	LL3x3x3x6	.084	6...	21	.007	0	y	48	46017....	70632	6.362	3.751	1	H1-1b*
40	M90	LL3x3x3x6	.092	6...	17	.005	0	y	20	46017....	70632	6.362	3.751	1	H1-1b*
41	MP4C	PIPE 2.0	.075	1	5	.035	1		3	20866....	32130	1.872	1.872	2...	H1-1b
42	M95	PIPE 2.0	.158	3	7	.016	3		7	26521....	32130	1.872	1.872	1	H1-1b
43	M97	PIPE 2.0	.158	3	1	.016	3		1	26521....	32130	1.872	1.872	1...	H1-1b
44	M99	PIPE 2.0	.057	3	10	.006	3		10	26521....	32130	1.872	1.872	1...	H1-1b

VzW SMART Tool© Vendor

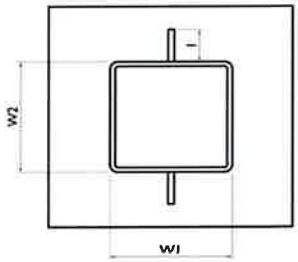
Client:	Verizon Wireless	Date:	6/9/2023
Site Name:	Bloomfield 3 CT		
MDG #:	5000383112		
Fuze ID #:	16272375	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	No
Tower Connection Baseplate Checks	No
Tower Connection Weld Checks	Yes

Weld Shape:	Rectangle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Stiffener Notch Present?	Yes
Stiffener Length, l (in):	3
Stiffener Spacing/Width, s (in):	
Stiffener Notch Length, n (in):	0.25
Weld Size (1/16 in):	5
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	28.00
Z_x (in^3/in):	59.62
Z_y (in^3/in):	21.33
J_p (in^4/in):	286.33
c_x (in)	5.25
c_y (in)	5.25
Required combined strength (kip/in):	1.01
Weld Capacity (kip/in):	6.96
Weld Utilization:	**14.5%**



verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 14.00' PLATFORM

TOWER OWNER: N/A
TOWER OWNER SITE NUMBER: N/A

CARRIER SITE NAME: BLOOMFIELD 3 CT
CARRIER SITE NUMBER: 5000383112
FUZE ID: 16272375

785 NEW PARK AVE
BLOOMFIELD, CT 06002
HARTFORD COUNTY

LATITUDE: 41.828486° N
LONGITUDE: 72.733233° W

DESIGN CRITERIA

WIND LOADS

BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH
EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 118.67'

ICE LOADS

ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.50 IN

SEISMIC LOADS

SEISMIC DESIGN CATEGORY B
SHORT TERM MCER GROUND MOTION, S_S = 0.181
LONG TERM MCER GROUND MOTION, S_1 = 0.055

PROJECT INFORMATION

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS

PROJECT MANAGER

COMPANY: COLLIERS ENGINEERING & DESIGN
CONTACT: PETER ALBANO
PHONE: 856.797.0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10203517
VZW LOCATION CODE (PSLC): 50003B3112
ANALYSIS DATE: 6/9/2023

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

SHEET INDEX

Colliers Engineering & Design
www.colliersengineering.com

Doing Business as MASER CONSULTING

verizon

811 Know what's below. Call before you dig.
PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 21777224

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	6/9/23	ISSUED FOR CONSTRUCTION	VKD	PMA
0	11/16/21	ISSUED FOR CONSTRUCTION	AH	PMA

STATE OF CONNECTICUT · PETER M. ALBANO · 35459 · LICENSED PROFESSIONAL ENGINEER
COLLIERS ENGINEERING & DESIGN CT, P.C.
C.T. PC 0000131

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
BLOOMFIELD 3 CT
5000383112
785 NEW PARK AVE
BLOOMFIELD, CT 06002
HARTFORD COUNTY

Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: TITLE SHEET
SHEET NUMBER: ST-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

SECTION 1 - VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	VZWSMART	VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	291	291
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
2		VZWSMART-MSK3D	PIPE TO PIPE CLAMPS		42	84
2		VZWSMART-P40-238X072	72" LONG, PIPE 2 STD (2.375"OD X 0.154" THK)		22	44
12		VZWSMART-MSK1	CROSSOVER PLATE		14	168
3		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	102
3		VZWSMART-P40-238X048	48" LONG, PIPE 2 SCH40 (2.375"OD X 0.154" THK)		15	45

SECTION 2 - OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS.)	WEIGHT (LBS.)
3	-	-	162" LONG, P2 1/2 STD PIPE	GALVANIZED.	79	237
3	-	-	30" LONG, L3x3x1/4 ANGLE	GALVANIZED. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1.	13	39
6	-	-	6" LONG, HSS3x3x1/4 SHIM	GALVANIZED.	5	30
					TOTAL:	1280

NOTES:

1. THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
2. ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE	
CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM
METROSITE FABRICATORS, LLC	
CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM
PERFECTVISION	
CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM
SABRE INDUSTRIES, INC.	
CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM
SITE PRO 1	
CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
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SCALE:	JOB NUMBER:
AS SHOWN	21777224

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	6/9/23	ISSUED FOR CONSTRUCTION	VRD	PMA
0	11/16/21	ISSUED FOR CONSTRUCTION	AH	PMA

STATE OF CONNECTICUT · PETER M. ALBANO · 35459 · LICENSED PROFESSIONAL ENGINEER

COLLIERS ENGINEERING & DESIGN CT, P.C.
CT. PC.0000131

SITE NAME:

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STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: SBOM-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

PROJECT NOTES

1. SEE MODIFICATION NOTES
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
8. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
9. SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
10. NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
11. THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

GENERAL NOTES

1. THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-222-H. MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
2. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING STRUCTURES. ANY DAMAGE TO EXISTING STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK, ORDERING MATERIAL, AND PREPARING OF SHOP DRAWINGS. ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER. IF THE CONTRACTOR DISCOVERS ANY EXISTING CONDITIONS THAT ARE NOT REPRESENTED ON THESE DRAWINGS, OR ANY CONDITIONS THAT WOULD INTERFERE WITH THE INSTALLATION OF THE MODIFICATIONS, NOTIFY THE ENGINEER IMMEDIATELY.
4. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
5. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
6. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSI/TIA-322 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY STANDARDS. ALL RIGGING PLANS SHALL ADHERE TO ANSI/TIA-322 (LATEST EDITION) INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
7. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
8. WORK SHALL ONLY BE PERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 30-MPH). THE STRUCTURE SHOWN ON THE DRAWINGS IS STRUCTURALLY SOUND ONLY IN THE COMPLETED FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, SHORING, BRACING AND ANY OTHER STRUCTURAL SYSTEMS AS REQUIRED TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
9. ALL INSTALLATIONS PERFORMED ON THIS STRUCTURE SHALL BE COMPLETED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE STANDARD FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS, ANSI/TIA-322.
10. CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEOFABRIC, GROUNDING, AND SURROUNDING GRADE SHALL BE REPLACED AND REPAIRED AS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
11. CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SUBMIT SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
12. DO NOT SCALE DRAWINGS.
13. DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
14. ALL MATERIAL UTILIZED FOR THIS PROJECT MUST BE NEW AND FREE OF ANY DEFECTS. ANY MATERIAL SUBSTITUTIONS, INCLUDING BUT NOT LIMITED TO ALTERED SIZE AND/OR STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
15. THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

STRUCTURAL STEEL

1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS.
   a. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
   b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
   c. AISC CODE OF STANDARD PRACTICE
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:

CHANNELS, ANGLES, PLATES, ETC.	ASTM A36 (GR 36)
STEEL PIPE	ASTM A53 (GR 35)
BOLTS	ASTM A325
NUTS	ASTM A563
LOCK WASHERS	LOCKING STRUCTURAL GRADE

3. ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL PROVIDE DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTE IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND REPLACEMENT, SHALL BE NOTED. ESTIMATES OF COSTS/CREDITS ASSOCIATED WITH THE SUBSTITUTION (INCLUDING RE-DESIGN COSTS AND COSTS TO SUB-CONTRACTORS) SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
4. PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
   a. SUBMIT SHOP DRAWINGS TO
      PETER.ALBANO@COLLIERSENGINEERING.COM
   b. PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL.
5. DRILL NO HOLES IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
6. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
7. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. IN ADDITION ALL NEW STEEL SHALL BE PAINTED TO MATCH EXISTING STEEL. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
8. CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COTE).
9. ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING REQUIRE LOCKING DEVICES TO BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
10. WHERE CONNECTIONS ARE NOT FULLY DETAILED ON THESE DRAWINGS, FABRICATOR SHALL DESIGN CONNECTIONS TO RESIST LOADS AND FORCES WHERE SHOWN ON DRAWINGS AND AS OUTLINED IN SPECIFICATIONS.
11. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
12. ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLT IS AT LEAST FLUSH WITH THE FACE OF THE NUT. IT IS NOT PERMITTED FOR THE BOLT END TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
13. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
14. ALL EXISTING PAINTED/GALVANIZED SURFACES DAMAGED DURING REHAB INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZING (ZINGA OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
15. ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

WELDING NOTES

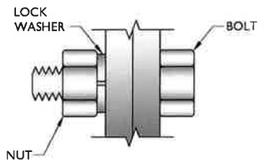
1. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.0 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTION (CWI) FOR ACCEPTANCE OR REJECTION OF ALL WELDING OPERATIONS, PRE, DURING, AND POST INSTALLATION, USING THE ACCEPTANCE CRITERIA OF AWS D1.1.
2. CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
3. THE CERTIFIED WELD INSPECTOR SHALL INDICATE, IN A WRITTEN CWI REPORT, THAT ALL WELDING OPERATIONS PRE, DURING, AND POST INSTALLATION WERE CONDUCTED IN ACCORDANCE WITH AWS D1.1 WITH PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
4. IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP IN BETWEEN, THE WELD IS TO BE BUILT-UP SUCH THAT THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
5. OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
6. CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
7. CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASSP A10.48, ANSI Z49.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

BOLT SCHEDULE (IN.)

BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	9/16 x 11/16	7/8	1 1/2
5/8	11/16	11/16 x 7/8	1 1/8	1 7/8
3/4	13/16	13/16 x 1	1 1/4	2 1/4
7/8	15/16	15/16 x 1 1/8	1 1/2	2 5/8
1	1 1/16	1 1/16 x 1 5/16	1 3/4	3

WORKABLE GAGES (IN.)

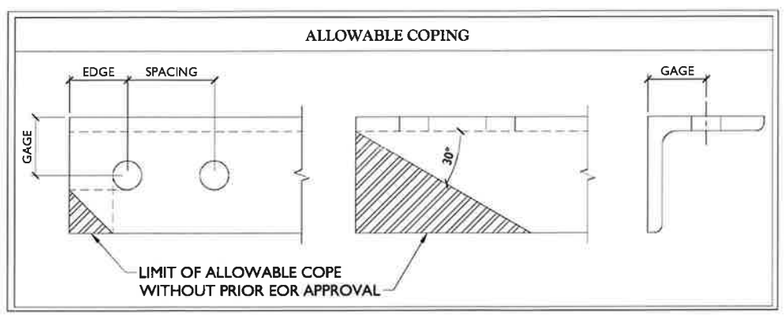
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

1. ALL DIMENSIONS REPRESENTED IN THE ABOVE TABLES ARE AISC MINIMUM REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
2. THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS WITHIN THESE DRAWINGS MAY VARY FROM THE AISC MINIMUM REQUIREMENTS.
3. SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS
4. MATCH EXISTING GAGES WHEN APPLICABLE, UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



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COLLIERS ENGINEERING & DESIGN CT, P.C.
C.T. PC.0000131

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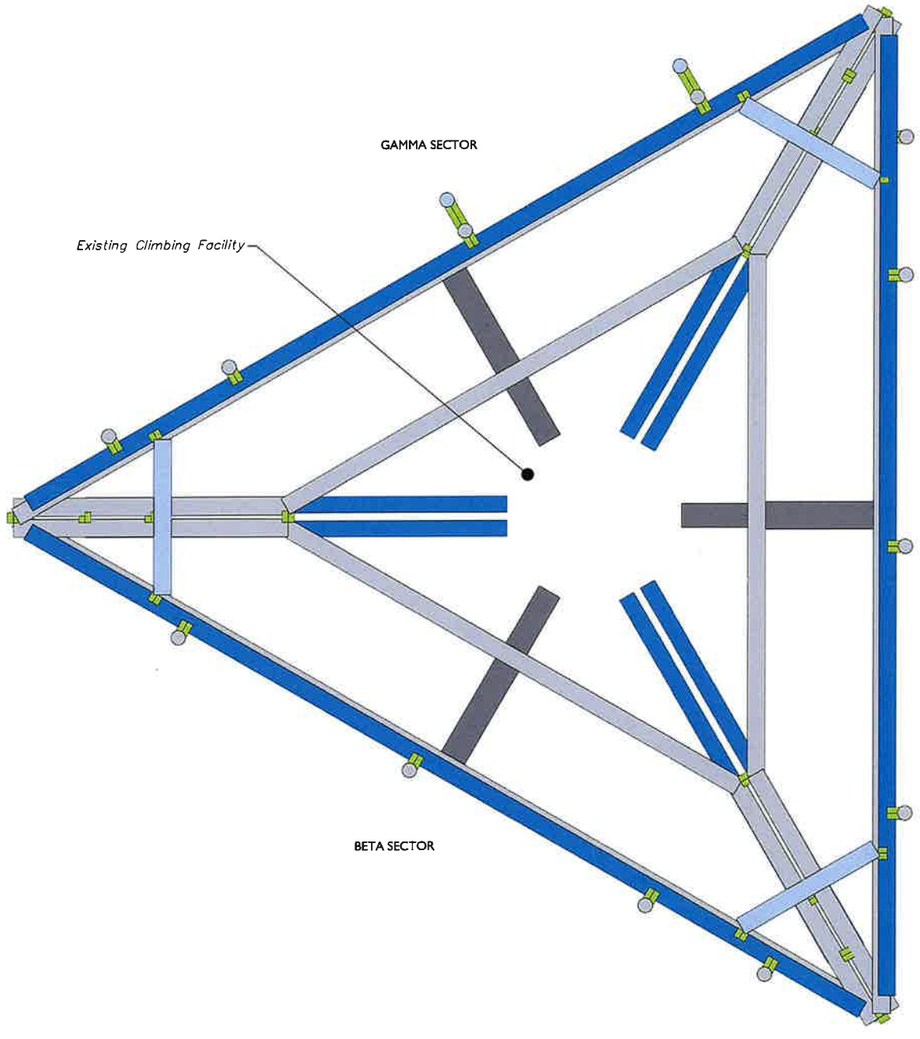
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C. DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: MODIFICATION NOTES

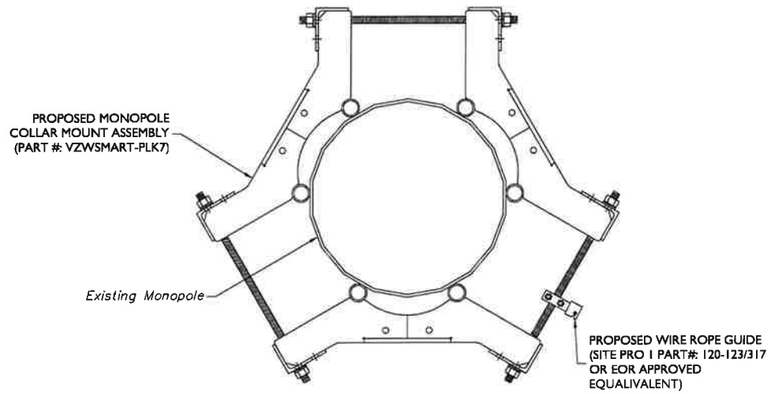
SHEET NUMBER: SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 CLIMBING FACILITY LOCATION

SCALE : N.T.S.



2 PROPOSED WIRE ROPE GUIDE ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING, LLC ON 10/24/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (104'-0") ARE IN GOOD CONDITION. MASER CONSULTING DOES NOT WARRANT THIS INFORMATION.

2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

CLIMBING FACILITY PHOTO

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IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

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5000383112

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HARTFORD COUNTY

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1055 Washington Boulevard
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COLLIERS ENGINEERING & DESIGN CT, P.C.
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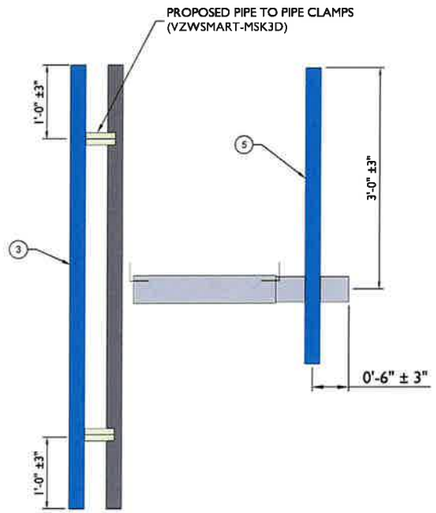
SHEET TITLE: CLIMBING FACILITY DETAIL

SHEET NUMBER: SCF-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

LEGEND:

- PROPOSED
- RELOCATED
- EXISTING



1 PROPOSED PIPE TO PIPE CLAMP DETAIL

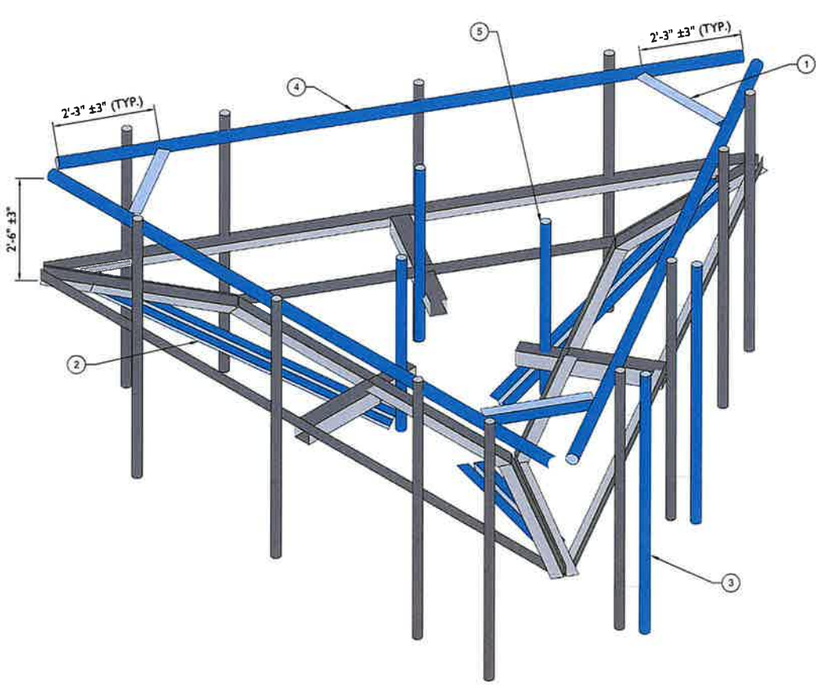
SCALE : N.T.S.

MOUNT MODIFICATION SCHEDULE

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1	105'-0"	3	PROPOSED SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) WITH PROPOSED L3X3X1/4 ANGLE.	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5))	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET SGN-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). CONNECT KICKER KIT TO THE PLATFORM ANGLES USING 6" LONG, HSS3x3x1/4 SHIM. REFER TO DETAIL 4 ON SHEET SS-1.
3		2	PROPOSED 72" LONG, P2 STD (PART #: VZWSMART-P40-238X072)	CONNECT NEW MOUNT PIPE TO THE EXISTING MOUNT PIPES IN POSITION 3 AND 4 ON GAMMA SECTOR WITH PROPOSED PIPE TO PIPE CLAMPS (VZWSMART-MSK3D). REFER TO DETAIL 1 ON SHEET SS-1.
4		3	30" LONG, L3x3x1/4 ANGLE	RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
5		3	48" LONG, PIPE 2 SCH40	CONNECT NEW OVP PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).

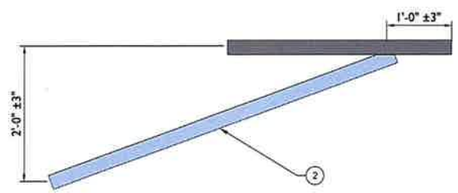
NOTES.

MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
CONTRACTOR SHALL INSPECT ALL MOUNT BOLTS AND REPLACE ANY MISSING OR DAMAGED MEMBERS.



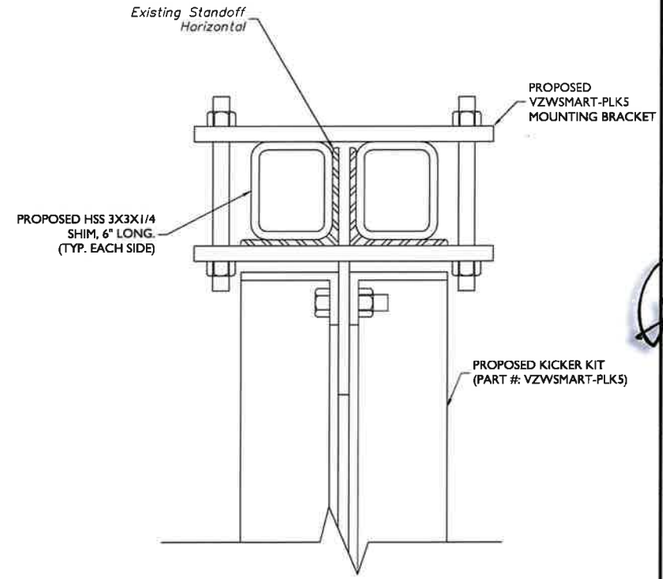
2 PROPOSED ISOMETRIC VIEW

SCALE : N.T.S.



3 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.



4 KICKER TO STANDOFF CONNECTION DETAIL

SCALE : N.T.S.

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811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE	JOB NUMBER
AS SHOWN	21777224

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	6/9/23	ISSUED FOR CONSTRUCTION	VKD	PMA
0	11/16/21	ISSUED FOR CONSTRUCTION	AH	PMA

STATE OF CONNECTICUT · PETER M. LEBANO · 35459 · LICENSED PROFESSIONAL ENGINEER · COLLIERS ENGINEERING & DESIGN CT, P.C.

SITE NAME:

BLOOMFIELD 3 CT
5000383112

785 NEW PARK AVE
BLOOMFIELD, CT 06002
HARTFORD COUNTY

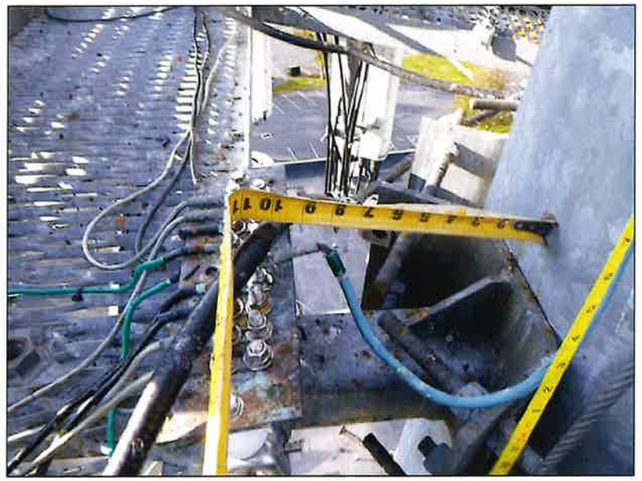
Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 0690*
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: MODIFICATION DETAILS

SHEET NUMBER: SS-1

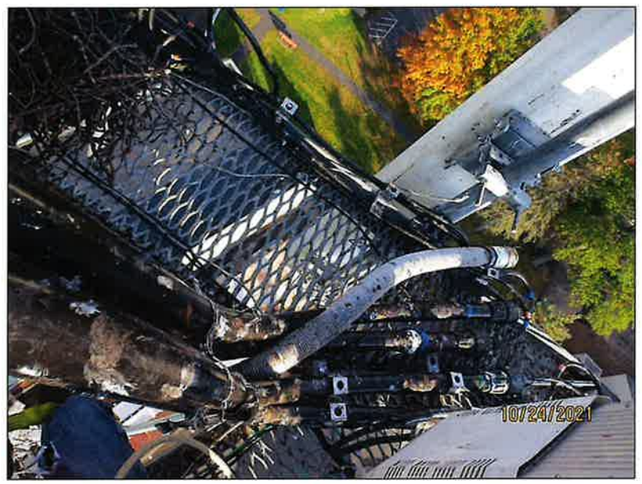
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MOUNT PHOTO 1



MOUNT PHOTO 2

MOUNT PHOTO 3



MOUNT PHOTO 4

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Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 21777224

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	6/9/23	ISSUED FOR CONSTRUCTION	VRD	PMA
0	11/16/21	ISSUED FOR CONSTRUCTION	AH	PMA

PETER M. ALBANO — STATE OF CONNECTICUT — 35459 — LICENSED PROFESSIONAL ENGINEER — COLLIERS ENGINEERING & DESIGN CT, P.C.

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

BLOOMFIELD 3 CT
5000383112

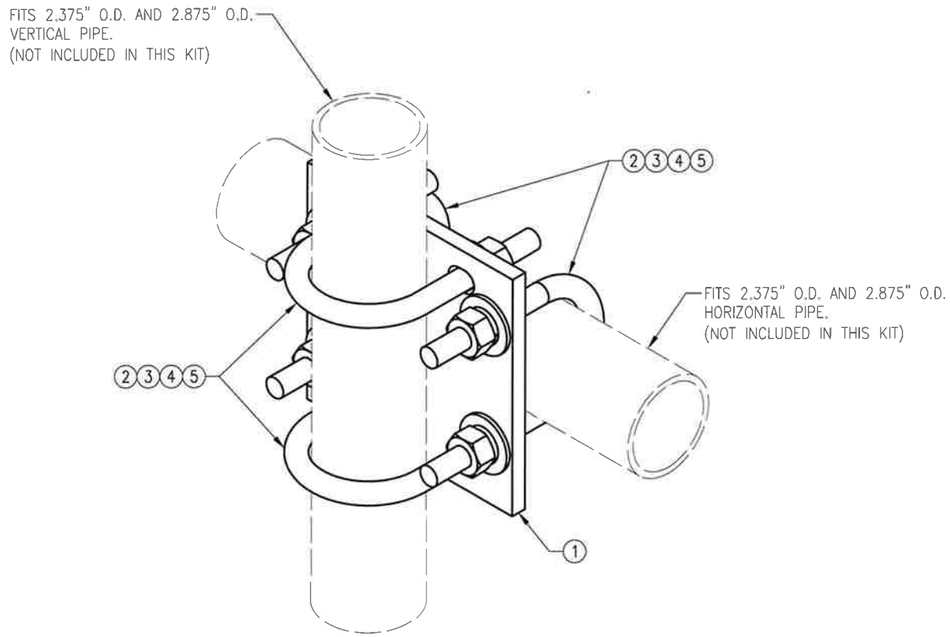
785 NEW PARK AVE
BLOOMFIELD, CT 06002
HARTFORD COUNTY

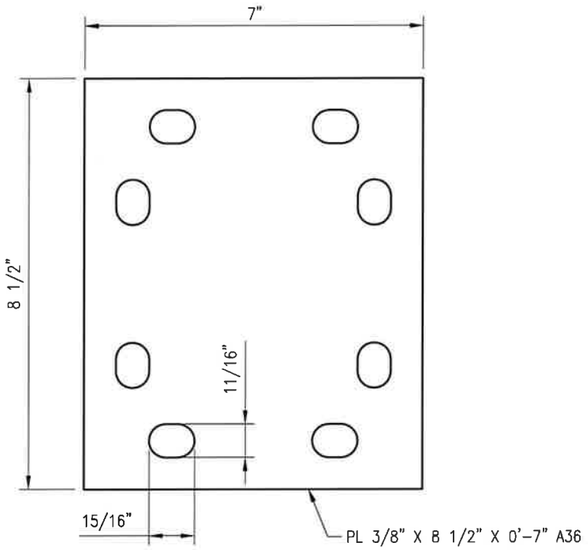
Colliers Engineering & Design
STAMFORD
1055 Washington Boulevard
Stamford, CT 06901
Phone: 203.324.0800
COLLIERS ENGINEERING & DESIGN CT, P.C.
DOING BUSINESS AS MASER CONSULTING

SHEET TITLE: MOUNT PHOTOS

SHEET NUMBER: SS-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.





PL375-857

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-MSK1 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-857	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-F1	6
2	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	8	LW-625	5/8" HDG LOCK WASHER	---	0
5	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	14

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DRAWN BY: H.R | CHECKED BY: HMA

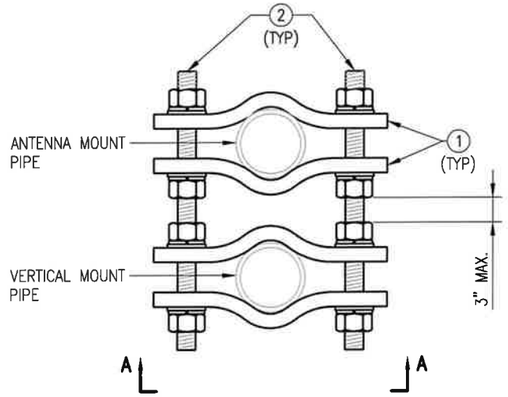
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

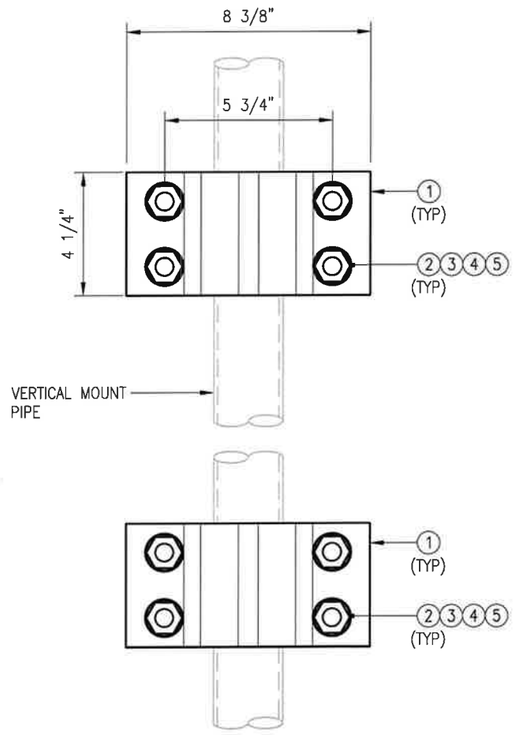
VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK1

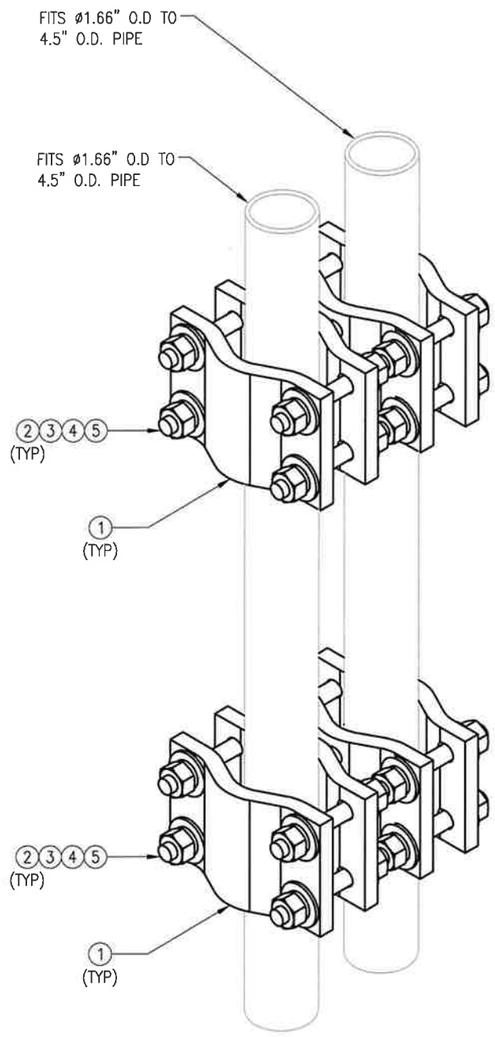
REV #: 0



PIPE TO PIPE CLAMPS
PLAN VIEW



SECTION "A-A"



PIPE TO PIPE CLAMPS
ISOMETRIC VIEW

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 4.5" O.D. PIPE

VZWSMART-MSK3D (PIPE TO PIPE CLAMPS)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	8	V-CLAMP	PL 1/2" X 4 1/4" X 8 5/8" A36 BEND PLATE	MSK3D-F1	42
2	8	---	THREADED ROD 5/8" DIA. X 1'-0" F1554-36 HDG	---	--
3	32	FW-625	5/8" HDG USS FLAT WASHER	---	3
4	32	LW-625	5/8" HDG LOCK WASHER	---	1
5	32	NUT-625	5/8" HDG HEX NUT	---	4
				GALVANIZED WT	42

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DRAWN BY: BT | CHECKED BY: HMA/KW

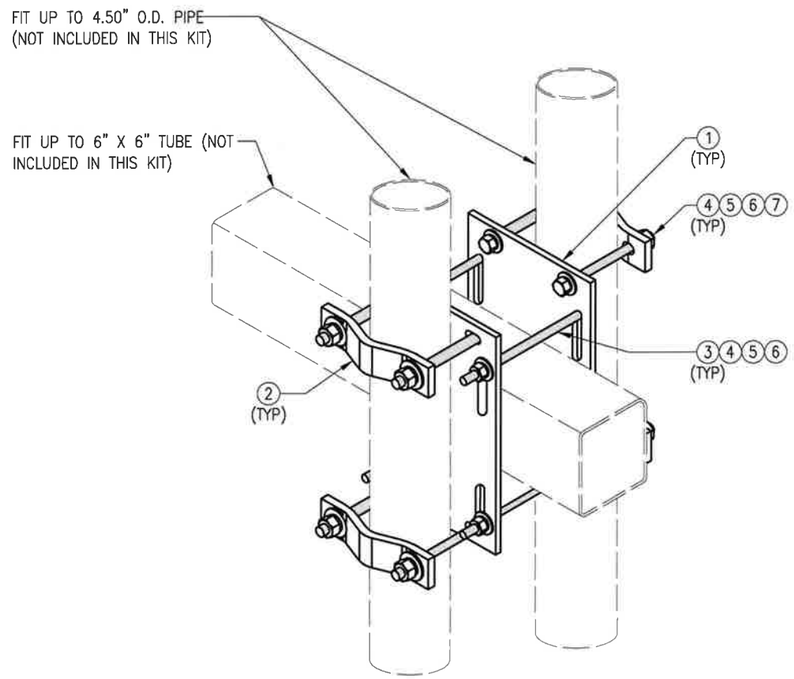
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/08/20

SHEET TITLE:

VZWSMART-MSK3D
PIPE TO PIPE CLAMPS

SHEET NUMBER: VZWSMART-MSK3D

REV #: 0



ISOMETRIC VIEW
BACK TO BACK CROSSOVER

VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	PL375-8512	PL 3/8" X 8 1/2" X 1'-0" A36	MSK6-F2	20.7
2	4	VCP	PL 1/2" X 2" X 8 5/8" A36 BENT PLATE	MSK6-F1	9.6
3	4	---	THREADED ROD 5/8" DIA. X 10" F1554-36 HDG	---	---
4	16	NUT-625	5/8" HDG HEX NUT	---	2
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	8	---	BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD	---	1
				GALVANIZED WT	34

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

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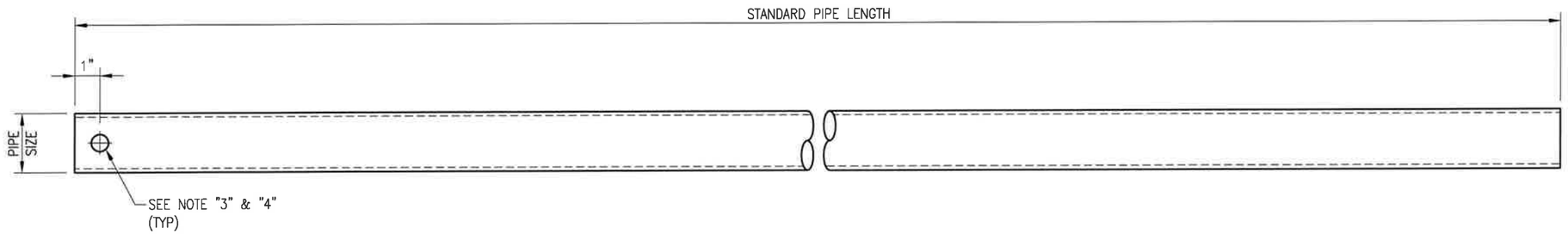
DRAWN BY: SK | CHECKED BY: BT/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	SK	05/08/20

SHEET TITLE:
VZWSMART-MSK6
BACK TO BACK
CROSSOVER

SHEET NUMBER: VZWSMART-MSK6

REV #: 0



VZWSMART Standard Pipe		
VZWSMART Number	**Size**	**Length**
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

NOTE:
APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE. SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

NOTES:
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. U.N.O
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINGA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

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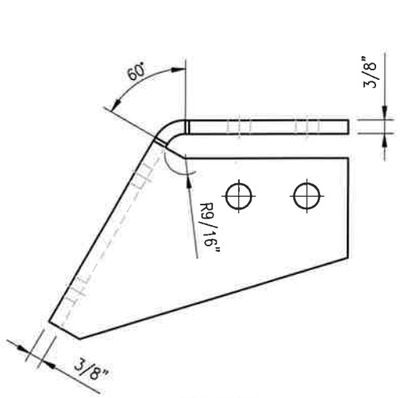
DRAWN BY: BT | CHECKED BY: HMA/KW

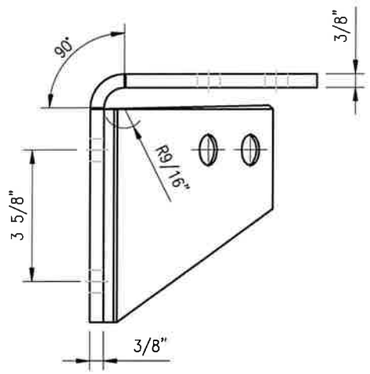
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	08/04/21

SHEET TITLE:
VZWSMART STANDARD PIPE

SHEET NUMBER: VZWSMART-PIPE | REV #: 0

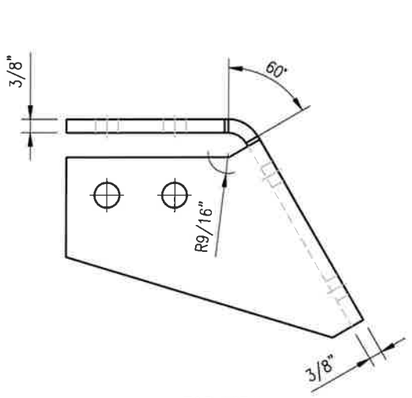


TOP VIEW

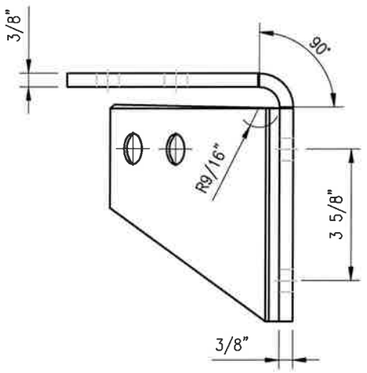


SIDE VIEW

CBP-L



TOP VIEW



SIDE VIEW

CBP-R

NOTES:
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	CBP-L	CORNER BENT PLATE BRACKET	PLK3-F1	9
2	1	CBP-R	CORNER BENT PLATE BRACKET	PLK3-F1	9
3	4	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	5
4	8	---	BOLT 5/8" X 2" A325	---	3
5	16	FW-625	5/8" HDG USS FLAT WASHER	---	1
6	16	LW-625	5/8" HDG LOCK WASHER	---	0
7	16	NUT-625	5/8" HDG HEX NUT	---	2
				GALVANIZED WT	30

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DRAWN BY: H.R | CHECKED BY: HMA

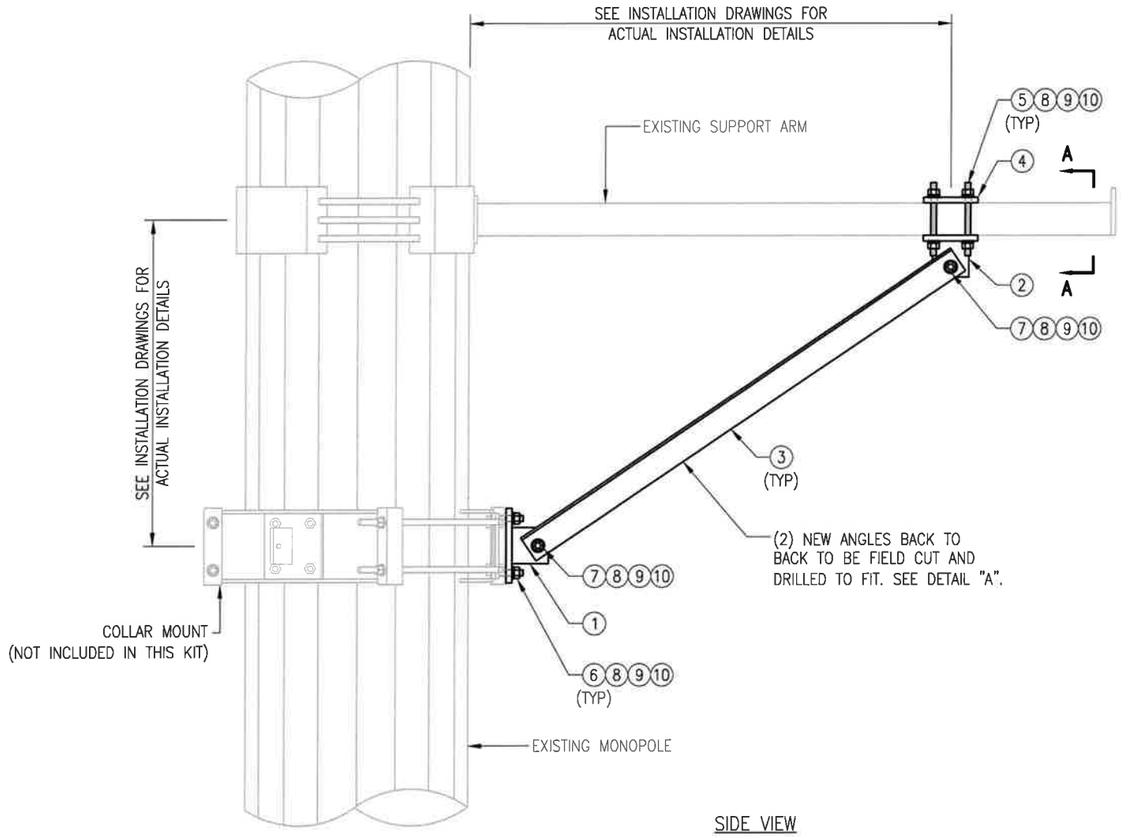
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3 SUPPORT RAIL CORNER BRACKET

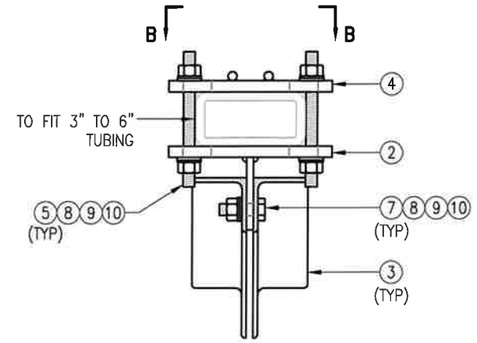
SHEET NUMBER: VZWSMART-PLK3

REV #: 0

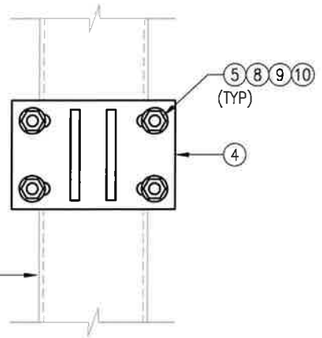
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



SIDE VIEW
KICKER KIT



SECTION "A–A"
RECT. HSS MOUNTING



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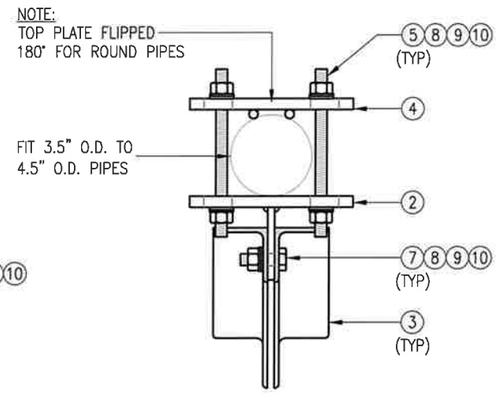
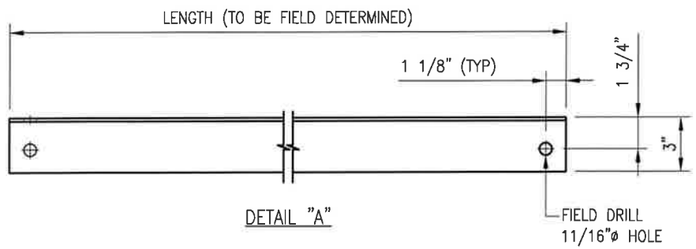


SECTION "A–A"
ROUND PIPE MOUNTING



DETAIL "A"

NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
2. HOT–DIPPED GALVANIZED PER ASTM A123.
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VZWSMART–PLK5 (KICKER KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW–XXX	BRACKET WELDMENT A36	PLK5–F3	43.8
2	3	BRKW–XXXX	BRACKET WELDMENT A36	PLK5–F2	35.7
3	6	L331875–8	L 3" X 3" X 3/16" X 8'–0" A36	PLK5–F4	182.9
4	3	PL–KI	PL 5/8" X 6" X 9" A36	PLK5–F1	29.0
5	12	---	THREADED ROD 5/8" DIA. X 1'–0" F1554–36 HDG	---	--
6	6	---	BOLT 5/8" X 2" A325	---	--
7	12	---	BOLT 5/8" X 2 1/2" A325	---	--
8	42	FW–625	5/8" HDG USS FLAT WASHER	---	3
9	42	LW–625	5/8" HDG LOCK WASHER	---	1
10	42	NUT–625	5/8" HDG HEX NUT	---	5
				GALVANIZED WT	291

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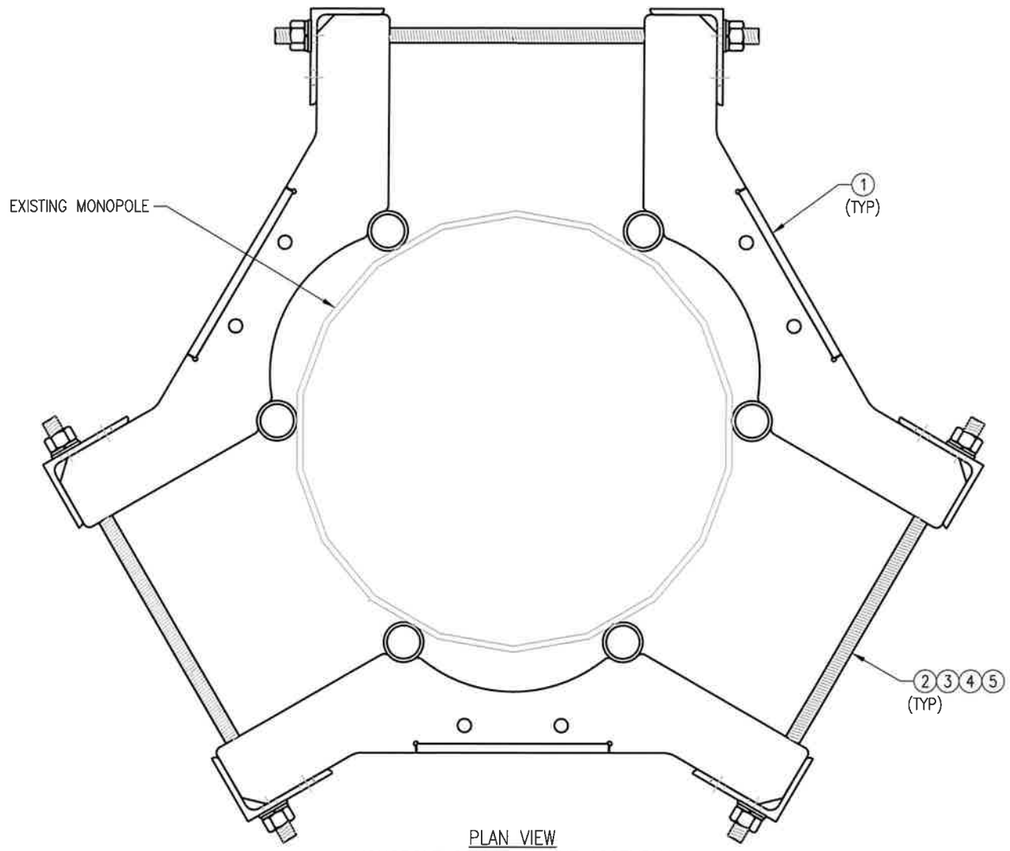
DRAWN BY: MN | CHECKED BY: HMA/KW

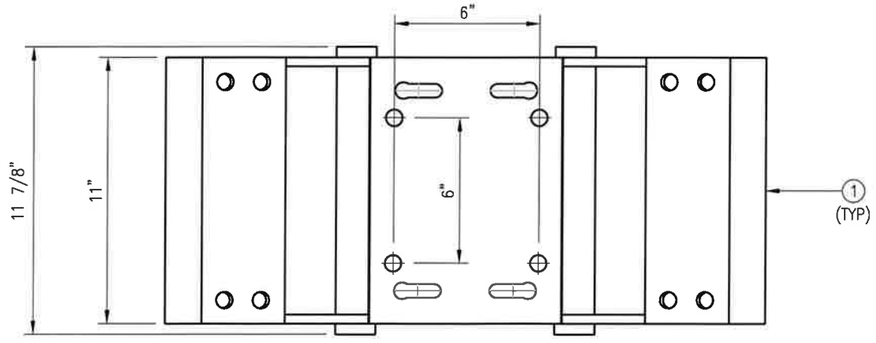
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

SHEET NUMBER: VZWSMART–PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

NOTES:
1. FIT 12" TO 45" DIA MONOPOLE.
2. HOT-DIPPED GALVANIZED PER ASTM A123.

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-F1	147
2	6	---	THREADED ROD 5/8" X 4'-0" A193-B7	---	
3	12	FW-625	5/8" HDG USS FLAT WASHER	---	1
4	12	LW-625	5/8" HDG LOCK WASHER	---	0
5	12	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	150

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DRAWN BY: BT | CHECKED BY: HMA/KW

REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

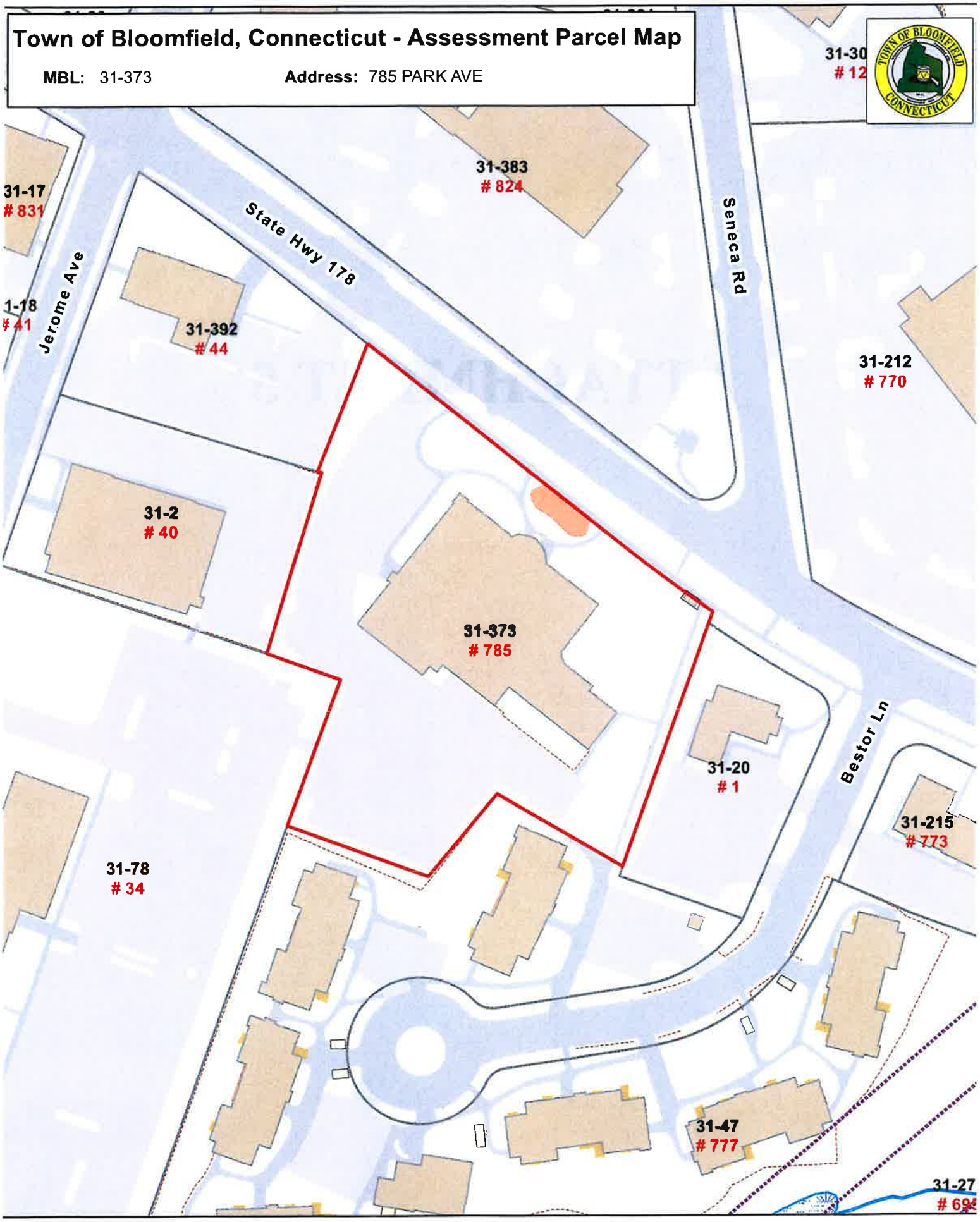
SHEET NUMBER: VZWSMART-PLK7

REV #: 0

ATTACHMENT 4

Town of Bloomfield, Connecticut - Assessment Parcel Map

MBL: 31-373 **Address:** 785 PARK AVE



Approximate Scale:

1 inch = 100 feet

Disclaimer:
This map is for informational purposes only.
All information is subject to verification by any user.
The Town of Bloomfield and its mapping contractors
assume no legal responsibility for the information contained herein.

Map Produced December 20

Town of Bloomfield, CT

Property Listing Report

Map Block Lot	31-373	Building #	1	PID	7721	Account	

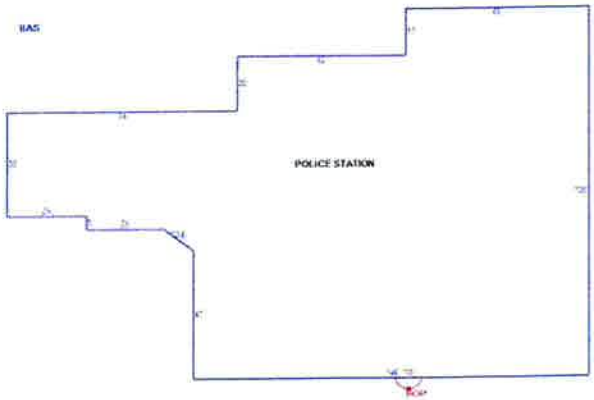
Property Information

Property Location	785 PARK AVE
Owner	BLOOMFIELD TOWN OF
Co-Owner	POLICE STATION
Mailing Address	800 BLOOMFIELD AVE. BLOOMFIELD CT 06002
Land Use	922 Mun Bldg Com
Land Class	E
Zoning Code	BCD
Census Tract	4713

Site Index	C
Acreage	2.25
Utilities	
Lot Setting/Desc	
Fire District	C
Book / Page	0033/0070

Photo

Sketch



Primary Construction Details

Year Built	1991
Building Desc.	Commercial
Building Style	Other Municip
Building Grade	C
Stories	1
Occupancy	1.00
Exterior Walls	Brick/Masonry
Exterior Walls 2	NA
Roof Style	Flat
Roof Cover	Enam Mtl Shing
Interior Walls	Drywall
Interior Walls 2	NA
Interior Floors 1	Carpet
Interior Floors 2	

Heating Fuel	Gas
Heating Type	Forced Air
AC Type	100
Bedrooms	0
Full Bathrooms	0
Half Bathrooms	0
Extra Fixtures	0
Total Rooms	0
Bath Style	NA
Kitchen Style	NA
Bsmt Fin Area	0
Rec Rm Area	0
Bsmt Gar	0
Fireplaces	0

(*Industrial / Commercial Details)

Building Use	Commercial
Building Condition	A
Sprinkler %	100
Heat / AC	None
Frame Type	Masonry
Baths / Plumbing	Average
Ceiling / Wall	Ceil & Wall
Rooms / Prtns	Average
Wall Height	16.00
First Floor Use	
Foundation	POURED CONC.

Report Created On 7/21/2022

Town of Bloomfield, CT

Property Listing Report | Map Block Lot 31-373 | Building # 1 | PID 7721 | Account

Valuation Summary

(Assessed value = 70% of Appraised Value)

Item	Appraised	Assessed
Buildings	3477300	2434110
Extras	1500	1050
Improvements		
Outbuildings	119300	83510
Land	540000	378000
Total	4138100	2896670

Outbuilding and Extra Features

Type	Description
Light Single	66 UNITS
Paving	34040 S.F.
Ovhd 8'	2 UNITS
Fence	2052 L.F.

Sub Areas

Subarea Type	Gross Area (sq ft)	Living Area (sq ft)
First Floor	20887	20887
Finished Open Porch	30	0
Total Area	20917	20887

Sales History

Owner of Record	Book/ Page	Sale Date	Sale Price
BLOOMFIELD TOWN OF	0033/0070	1900-01-01	0

Report Created On 7/21/2022

ATTACHMENT 5

Verizon/Bloomfield 3

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	2	2	neopost 11/21/2023 US POSTAGE $003.19 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.	Danielle C. Wong, Mayor Town of Bloomfield 800 Bloomfield Avenue Bloomfield, CT 06002				
2.	Lynda Laureano, Zoning Enforcement Officer Town of Bloomfield 800 Bloomfield Avenue Bloomfield, CT 06002				
3.					
4.					
5.					
6.					

OLD STATE HOUSE POST OFFICE
NOV 21 2023
HARTFORD, CT 06103

See Reverse for Instructions