Robinson+Cole

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Also admitted in Massachusetts
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September 20, 2021

Via Electronic Mail

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**
44 Gavitt Road, Barkhamsted, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower and Cellco's shared use of the tower were approved in February 2010 (Docket No. 387). A copy of the Council's Docket No. 387 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) existing antennas with three (3) Samsung MT6407-77A antennas and six (6) NHH-65B-R2B antennas on its existing mounting platform. Cellco also intends to install six (6) existing remote radio heads ("RRHs") behind its antennas. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRH specifications are included in Attachment 2.

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

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

1. The proposed modifications will not result in an increase in the height of the existing tower.

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 antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounting platform, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

A copy of the parcel map and Property owner information is included in Attachment 5. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 6.

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:

Donald S. Stein, First Selectman for the Town of Barkhamsted
Debra Brydon, Barkhamsted Administrator Building and Inland/Wetlands
Karen and Richard Langer, Property Owner
Karla Hanna

ATTACHMENT 1

DOCKET NO. 387 – SBA Towers II, LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and management of a telecommunications facility at 44 Gavitt Road, Barkhamsted, Connecticut.	}	Connecticut
	}	Siting
	}	Council

February 25, 2010

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, management, and maintenance of a telecommunications facility, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate, either alone or cumulatively with other effects, when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application, and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to SBA Towers II, LLC, hereinafter referred to as the Certificate Holder, for a telecommunications facility at 44 Gavitt Road, Barkhamsted, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of New Cingular Wireless PCS, LLC, Cellco Partnership, Inc. d/b/a Verizon Wireless and other entities, both public and private, but such tower shall not exceed a height of 170 feet above ground level.

2. The Certificate Holder shall not conduct any construction activities related to this facility before May 15 in any given calendar year.

3. The Certificate Holder shall hire an environmental inspector to monitor the efficacy of erosion and sedimentation controls in place during the construction period and to inspect the construction area for amphibians. Any periodic reports prepared by the environmental inspector shall be submitted to the Council.

4. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Barkhamsted for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:

a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and

b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

5. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of the electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

6. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

7. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

8. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Barkhamsted public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.

9. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.

10. At least one wireless telecommunications carrier shall install their equipment and shall become operational not later than 120 days after the tower is erected. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.

11. Any request for extension of the time period referred to in Condition 8 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Barkhamsted. Any proposed modifications to this Decision and Order shall likewise be so served.

12. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

13. The Certificate Holder shall remove any nonfunctioning antenna, and associated antenna mounting equipment, within 60 days of the date the antenna ceased to function.

14. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction, and the commencement of site operation.

Pursuant to General Statutes § 16-50p, the Council hereby directs that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in the Hartford Courant.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
SBA Towers II, LLC One Research Drive, Suite 200C Westborough, Massachusetts 01581	Carrie L. Larson, Esq. Pullman & Comley, LLC 90 State House Square Hartford, CT 06103-3702
Party	**Its Representative**
Town of Barkhamsted Town Hall 67 Ripley Hill Road Pleasant Valley, CT 06063	The Honorable Donald S. Stein First Selectman Town of Barkhamsted Town Hall 67 Ripley Hill Road Pleasant Valley, CT 06063
Intervenor	**Its Representative**
New Cingular Wireless PCS, LLC 500 Enterprise Drive Rocky Hill, Connecticut 06067	Christopher B Fisher, Esq. Daniel M. Laub, Esq. Cuddy & Feder LLP 445 Hamilton Avenue, 14th Floor White Plains, NY 10601
Intervenor	**Its Representative**
Cellco Partnership, Inc. d/b/a Verizon Wireless 99 East River Drive East Hartford, CT 06108	Joey Lee Miranda, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103-3597

ATTACHMENT 2

verizon

WIRELESS COMMUNICATIONS FACILITY

BARKHAMSTED NE CT
44 GAVITT ROAD
BARKHAMSTED, CT 06063

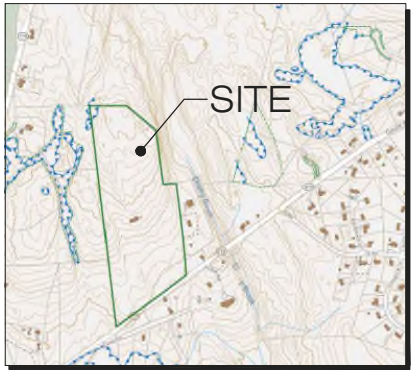
DRAWING INDEX

SITE DIRECTIONS

START: **20 ALEXANDER DRIVE**
WALLINGFORD, CONNECTICUT 06492

END: **44 GAVITT ROAD**
BARKHAMSTED, CT 06063

1.	HEAD SOUTH TOWARDS ALEXANDER DRIVE	279 FT
2.	SLIGHT RIGHT TOWARDS ALEXANDER DRIVE	289 FT
3.	TURN RIGHT TOWARDS ALEXANDER DRIVE	167 FT
4.	TURN RIGHT ONTO ALEXANDER DRIVE	0.3 MI
5.	TURN RIGHT ONTO BARNES INDUSTRIAL RD S.	0.1 MI
6.	TURN RIGHT ONTO CT-68 E	1.6 MI
7.	CONTINUE STRAIGHT TO STAY ON CT-68E	0.2 MI
8.	SHARP LEFT TO MERGE ONTO I-91 N TOWARD HARTFORD	0.3 MI
9.	MERGE ONTO I-91 N	21.5 MI
10.	KEEP RIGHT TO STAY ON 91-N	10.0 MI
11.	USE THE RIGHT 2 LANES TO TAKE EXIST 40 FOR CT-20 TOWARD BRADLEY INTERNATIONAL AIRPORT	0.6 FT
12.	CONTINUE ONTO CT-20W	2.8 MI
13.	TAKE THE CT-20 W EXIT TOWARD E GRANBY/GRANBY	0.7 MI
14.	CONTINUE ONTO CT-20 W	5.5 MI
15.	SLIGHT LEFT ONTO CT-20 W/W GRANBY RD	3.4 MI
17.	TURN LEFT ONTO CT-219 S (DESTINATION WILL BE ON LEFT)	3.2 MI



LOCATION MAP
SCALE : 1" = 500'-0"

SITE INFORMATION

VZ SITE NAME: BARKHAMSTED NE CT
VZ PROJ FUZE I.D.: 16272089
VZ LOCATION CODE: 469117
VZ PROJECT CODE: 20212234216
LOCATION: 44 GAVITT ROAD
BARKHAMSTED, CT 06063

PROJECT SCOPE: REFER TO NOTES ON DRAWING C-1 FOR SCOPE OF WORK.

PARCEL ID: 26/33/15-A

ZONING DISTRICT: RA-2 (SINGLE FAMILY RESIDENCE - 2 ACRES)

LATITUDE: 41° 56' 45.8952" N (41.946082° N)

LONGITUDE: 72° 54' 41.2992" W (72.911472° W)

SITE COORDINATES AND GROUND ELEVATION OBTAINED FROM GOOGLE EARTH.

GROUND ELEVATION: 1138'± AMSL

PROPERTY OWNER: KAREN & RICHARD J. LANGER
44 GAVITT ROAD
BARKHAMSTED, CT 06063

APPLICANT: CELLCO PARTNERSHIP
d/b/a VERIZON WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

LEGAL/REGULATORY COUNSEL: ROBINSON & COLE, LLP
KENNETH C. BALDWIN, ESQ.
280 TRUMBULL STREET
HARTFORD, CT 06103

ENGINEER CONTACT: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
(860) 663-1697

VERIZON SMART TOOL PROJECT #: 10044560; 10067783

Cellco Partnership d/b/a
verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	06/07/21	FOR REVIEW: JRM
1	08/19/21	FOR FILING: JRM
2	08/20/21	FOR FILING: JRM
3		
4		
5		
6		

STATE OF CONNECTICUT
MICHAEL TRODDEN
33315
LICENSED
PROFESSIONAL ENGINEER

DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

OWNER: KAREN & RICHARD J. LANGER
ADDRESS: 44 GAVITT ROAD BARKHAMSTED, CT 06063

BARKHAMSTED NE CT

SITE ADDRESS: 44 GAVITT ROAD BARKHAMSTED, CT 06063

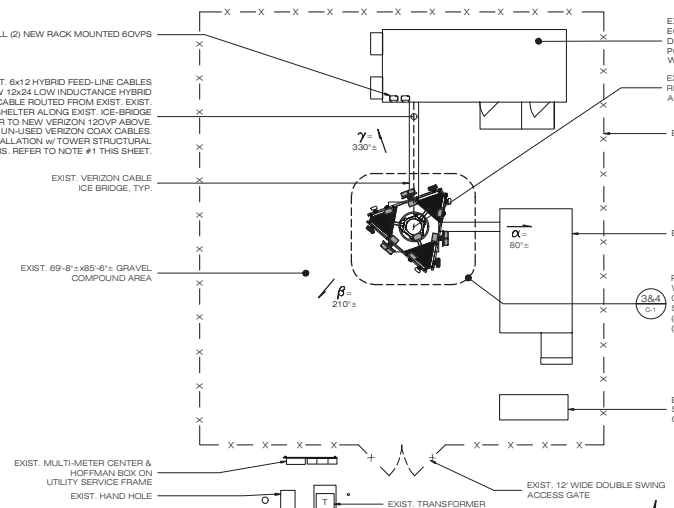
APT FILING NUMBER: CT141_12200

DRAWN BY: DRA
DATE: 06/07/21 CHECKED BY: JRM

VZ PROJECT CODE: 20212234216
VZ LOCATION CODE: 469117
VZ FUZE ID: 16272089

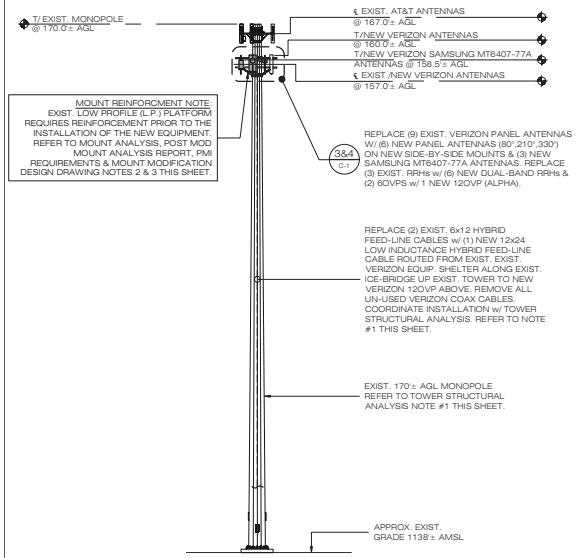
SHEET TITLE: **TITLE SHEET**

SHEET NUMBER: **T-1**



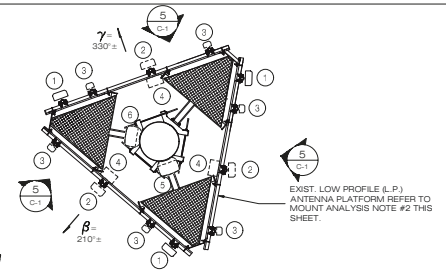
1 COMPOUND PLAN
C-1 SCALE : 1" = 10'-0"

10' SCALE: 1 INCH= 10'-0"

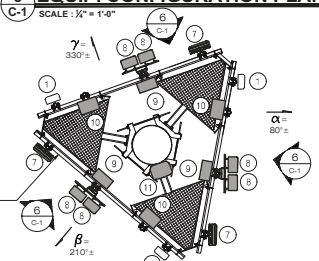


2 TOWER ELEVATION
C-1 SCALE : 1" = 20'-0"

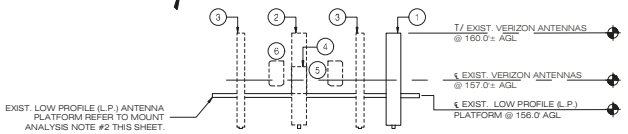
20' SCALE: 1 INCH= 20'-0"



3 EQUIP. CONFIGURATION PLAN (EXIST.)
C-1 SCALE : ¼" = 1'-0"



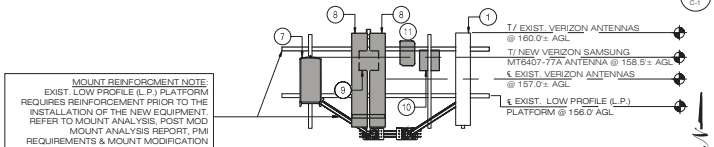
4 EQUIP. CONFIGURATION PLAN (NEW)
C-1 SCALE : ¼" = 1'-0"



EXISTING ELEVATION (FRONT)

EXISTING AZIMUTHS
ALPHA: 80°
BETA: 210°
GAMMA: 330°

5 EQUIP. MOUNTING CONFIG. (EXIST.)
C-1 SCALE : ¼" = 1'-0"



NEW ELEVATION (FRONT)

NEW AZIMUTHS
ALPHA: 80°
BETA: 210°
GAMMA: 330°

6 EQUIP. MOUNTING CONFIG. (NEW)
C-1 SCALE : ¼" = 1'-0"

LOCATION PLAN
SCALE: 1" = 200'

NOTES:

1. REFER TO MONOPOLE TOWER STRUCTURAL ANALYSIS REPORT PREPARED BY SBA COMMUNICATIONS CORPORATION DATED 08/10/21 AVAILABLE UNDER SEPARATE COVER.
2. REFER TO MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING, CT., PROJECT #21777221A MARKED REV0, DATED 04/26/21 AVAILABLE UNDER SEPARATE COVER.
3. REFER TO POST MOD MOUNT ANALYSIS REPORT, PMI REQUIREMENTS & MOUNT MODIFICATION DESIGN DRAWINGS PREPARED BY MASER CONSULTING, CT., PROJECT #21777221A, MARKED REV0, DATED 07/02/21 AVAILABLE UNDER SEPARATE COVER.
4. BASE MAPPING FROM FIELD MEASUREMENTS TAKEN BY ALL-POINTS TECH. CORP., P.C. ON 03/23/21.
5. PROJECT SCOPE INCLUDES THE FOLLOWING:
   - REPLACEMENT OF (9) EXIST. PANEL ANTENNAS w/ (6) NEW PANEL ANTENNAS ON NEW SIDE-BY-SIDE MOUNTS (COMMSCOPE BSAMNT-SBS-2-2) & (3) NEW SAMSUNG MT6407-77A ANTENNAS.
   - REPLACEMENT OF (3) EXIST. RRHs w/ (6) NEW DUAL-BAND RRHs.
   - REPLACEMENT OF (2) 6x12 HYBRID FEED-LINE CABLES w/ (1) NEW 12x24 LOW INDUCTANCE HYBRID FEED-LINE CABLE.
   - REPLACEMENT OF (2) EXIST. 6OVP (ALPHA/BETA) w/ (1) NEW 12OVP
   - REPLACEMENT OF (2) EXIST. WALL MOUNTED 6OVPs LOCATED WITHIN EXIST. VERIZON EQUIP. SHELTER w/ (2) NEW RACK MOUNTED OVPs.
   - REMOVAL OF ALL UNUSED COAX. FEED-LINE CABLES.
6. ALL EXPOSED STEEL AND HARDWARE TO BE HOT DIP GALV. (HDG). PAINT TO MATCH EXIST. (WHERE APPLICABLE)
7. CAP & WEATHERPROOF ALL UN-USED CABLE ENTRY PORTS (WHERE APPLICABLE).
8. MOUNT & GROUND ALL NEW EQUIPMENT IN ACCORDANCE WITH NEC (NFPA-70), NESC AND MANUFACTURERS SPECIFICATION.
9. SECURE ALL NEW ANTENNA CABLES PER MANUFACTURER RECOMMENDATIONS.
10. BOND NEW ANTENNA MOUNTING PIPES TO ANTENNA SECTOR GROUND BAR w/ # 2 AWG, BCW, (WHERE APPLICABLE).
11. CONTRACTOR SHALL INSTALL NEW SIDE-BY-SIDE & DUAL-MOUNT BRACKETS PER ANTENNA MOUNT MANUFACTURER RECOMMENDATIONS, INCLUDING VERIFICATION OF MINIMUM PIPE MAST DIAMETER REQUIRED TO INSTALL NEW MOUNT BRACKETS. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST. PIPE MASTS REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.
12. ANTENNA CONFIGURATIONS SHOWN HEREIN ARE FRONT ELEVATIONS (UNLESS NOTED OTHERWISE).
13. ANTENNA SPACING DIMENSIONS ARE TO THE CENTER OF THE EXIST. ANTENNA AND PROP. ANTENNA FACE.
14. REFER TO THE FINAL RFDS PROVIDED BY VERIZON FOR THE LATEST INFORMATION REGARDING EQUIPMENT MODELS, REQUIRED CABLING & DOWN-TILT INFORMATION.
15. COORDINATE ALL LSUB6 COLOR MATCHING (WHERE APPLICABLE) W/ LSUB6 MANUFACTURER INSTALLATION REQUIREMENTS, VERIZON CONSTRUCTION MANAGER & OWNER.
16. PAINT ALL NEW NON LSUB6 ANTENNAS & APPURTENANCES TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE) COORDINATE W/ VERIZON CONSTRUCTION MANAGER & BUILDING OWNER.

GENERAL ABBREVIATION LIST:

ABP	ABOVE BASE PLATE
AGL	ABOVE GROUND LEVEL
AMSL	ABOVE MEAN SEA LEVEL
AWS	ADVANCED WIRELESS SERVICE
HDG	HOT DIP GALVANIZED
OVP	OVER VOLTAGE PROTECTION
RRH	REMOTE RADIO HEAD
V.I.F.	VERIFY IN FIELD
W.P.	WORK POINT
A.F.R.	ABOVE FINISH ROOF

SCOPE OF WORK (ALL) SECTORS

1. EXIST. ANTENNA (TO REMAIN) MODEL: ANTEL BXA-70063-6CF
2. EXIST. ANTENNA (TO BE REPACED) MODEL: ANTEL BXA-70063-6CF
3. EXIST. ANTENNA (TO BE REPACED) MODEL: ANTEL BXA-171063-12CF
4. EXIST. RRH (TO BE REPLACED) MODEL: NOKIA B13 RRH 2x40 700
5. EXIST. 6 OVP (TO BE REPLACED) (ALPHA) MODEL: RAYCAP RRFDC-3315-PF-48 (V.I.F.)
6. EXIST. 6 OVP (TO BE REMOVED) (BETA) MODEL: RAYCAP RRFDC-3315-PF-48 (V.I.F.)
7. NEW ANTENNA MODEL: SAMSUNG MT6407-77A
8. NEW ANTENNA MOUNTED VIA NEW SIDE BY SIDE MOUNT BRACKETS (COMMSCOPE BSAMNT-SBS-2-2) MODEL: COMMSCOPE NHH-65B-R2B
9. NEW DUAL BAND RRH MODEL: SAMSUNG B13/B5 RRH-BR04C (RFV01U-D2A)
10. NEW DUAL BAND RRH MODEL: SAMSUNG B66/B2A RRH-BR049 (RFV01U-D1A)
11. NEW 12OVP (ALPHA ONLY) MODEL: RAYCAP RVZDC-6627-PF-48

Cellco Partnership d/b/a
verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
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STATE OF CONNECTICUT
MICHAEL TRODDEN
33315
LICENSED PROFESSIONAL ENGINEER

DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

OWNER: KAREN & RICHARD J. LANGER
ADDRESS: 44 GAVITT ROAD BARKHAMSTED, CT 06063

BARKHAMSTED NE CT

SITE ADDRESS: 44 GAVITT ROAD BARKHAMSTED, CT 06063

APT FILING NUMBER: CT141_12200

DRAWN BY: DRA
DATE: 06/07/21
CHECKED BY: JRM

VZ PROJECT CODE: 20212234216
VZ LOCATION CODE: 469117
VZ FUZE ID: 16272089

SHEET TITLE:
COMPOUND PLAN, TOWER ELEVATION, EQUIP. CONFIGURATION PLANS & ELEVATIONS

SHEET NUMBER:
C-1

EQUIPMENT DATA

EQUIPMENT SPECIFICATIONS

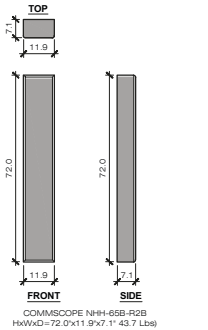
SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	SPARE: ANTEL BXA-70063-6CF	1	80°	ETR	71.0	11.3	6.0	17.0(2)
	700/850/1900/2100: COMMSCOPE NHH-65B-R2B	1	80°	NEW	72.0	11.9	7.1	43.7(2)
	700/850/1900/2100: COMMSCOPE NHH-65B-R2B	1	80°	NEW	72.0	11.9	7.1	43.7(2)
	SAMSUNG MT6407-77A	1	80°	NEW	35.1(5)	16.1(5)	5.51(5)	87.1(2)(5)
BETA	SPARE: ANTEL BXA-70063-6CF		210°	ETR	71.0	11.3	6.0	17.0(2)
	700/850/1900/2100: COMMSCOPE NHH-65B-R2B	1	210°	NEW	72.0	11.9	7.1	43.7(2)
	700/850/1900/2100: COMMSCOPE NHH-65B-R2B	**1**	**210°**	NEW	72.0	11.9	7.1	43.7(2)
	SAMSUNG MT6407-77A	1	210°	NEW	35.1(5)	16.1(5)	5.51(5)	87.1(2)(5)
GAMMA	SPARE: ANTEL BXA-70063-6CF	**1**	330°	ETR	71.0	11.3	6.0	17.0(2)
	700/850/1900/2100: COMMSCOPE NHH-65B-R2B	1	330°	NEW	72.0	11.9	7.1	43.7(2)
	700/850/1900/2100: COMMSCOPE NHH-65B-R2B	1	330°	NEW	72.0	11.9	7.1	43.7(2)
	SAMSUNG MT6407-77A	1	330°	NEW	35.1(5)	16.1(5)	5.51(5)	87.1(2)(5)
	APPURTENANCE MAKE/MODEL							
	SAMSUNG B2/B66A RRH-BR049 (RFV01U-D1A)	3	-	NEW	14.9	14.9	10.04	97.5
	SAMSUNG B5/B13 RRH-BR04C (RFV01U-D2A)	3	-	NEW	14.9	14.9	8.14	82.0
	RAYCAP RVZDC-6627-PF-48	1	-	NEW	29.5	16.5	12.6	32.0

(1) 'ETR' DENOTES EXIST. TO REMAIN
(2) WEIGHT WITHOUT MOUNTING BRACKET.
(3) ANTENNA DATA BASED ON RFDS REV1 DATED 02/12/21
(4) EQUIPMENT CONFIGURATION AS VIEWED FROM BEHIND.
(5) NOT TO EXCEED

BILL OF MATERIALS

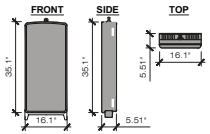
		QUANTITY	LENGTH	COMMENTS
1	700/850/1900/2100	6		(COMMSCOPE NHH-65B-R2B) MOUNTED TO EXIST. PIPE MAST VIA NEW SBS MOUNT (COMMSCOPE BSAMNT-SBS-2-2)
2	SAMSUNG MT6407-77A	3		MOUNTED TO EXIST. PIPE MAST
3	1/2" JUMPER CABLE	36	15 FT	ROUTE FROM RRH TO ANTENNAS & FROM DIPLEXERS
4	ANTENNA LINK CABLES	6	15 M	ROUTE FROM UPPER OVP TO ANTENNAS
5	ANTENNA POWER CABLES	3	15 M	PROPRIETARY POWER CABLE FROM UPPER OVP TO ANTENNAS
6	AWS/PCS RRH	3		SAMSUNG B2/B66 RRH-BR049 (RFV01U-D1A) MOUNTED TO EXIST. PIPE MAST
7	700/850 RRH	3		SAMSUNG B5/B13 RRH-BR04C (RFV01U-D2A) MOUNTED TO EXIST. PIPE MAST
8	RRH CABLES	6	15M	PROPRIETARY POWER & FIBER CABLES
9	UPPER 12OVP	1		(RVZDC-6627-PF-48)
10	HYBRID CABLE	1	225'± FT	12x24 LOW INDUCTANCE HYBRID CABLE (1⅝"Ø)

NOTES:
1. INFORMATION SHOWN HEREON IS FOR USE BY VERIZON EQUIPMENT OPERATIONS.
2. INFORMATION IS BASED ON RFDS REV1 DATED 02/12/21.
3. * DENOTES EQUIPMENT DESIGNATED "FOR LEASING ONLY" (WHERE APPLICABLE)
4. INSTALL ALARM BOARDS AT ALL OVPs WHERE REQUIRED. COORDINATE w/ VERIZON EQUIPMENT ENGINEERING.
5. INSTALL UP-CONVERTER(S) LOCATED AT BASE OVPs WHERE REQUIRED. COORDINATE w/ VERIZON EQUIPMENT ENGINEERING AS NECESSARY.
6. COORDINATE ANTENNA CABLING REQUIREMENTS WITH VERIZON ENGINEERING.
7. CONTRACTOR SHALL INSTALL NEW SIDE-BY-SIDE & DUAL-MOUNT BRACKETS PER ANTENNA MOUNT MANUFACTURER RECOMMENDATIONS, INCLUDING VERIFICATION OF MINIMUM PIPE MAST DIAMETER REQUIRED TO INSTALL NEW MOUNT BRACKETS. CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD SHOULD EXIST. PIPE MAST REQUIRE REPLACEMENT TO SUPPORT THE NEW MOUNT BRACKETS.



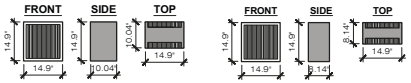
COMMSCOPE NHH-65B-R2B
HxWxD=72.0"x11.9"x7.1" 43.7 Lbs)

2 B-1 NEW ANTENNA DETAIL
SCALE : ½" = 1'-0"



SAMSUNG MT6407-77A ANTENNA
HxWxD=35.1"x16.1"x5.51"
WT=87.1 Lbs
(NOT TO EXCEED)

3 B-1 NEW ANTENNA DETAIL
SCALE : ½" = 1'-0"

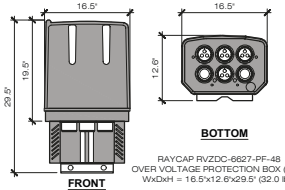


SAMSUNG DUAL HIGH BAND B2/B66A
RRH-BR049 (RFV01U-D1A)
RRH PCS/AWS
REMOTE RADIO HEAD (RRH)
WxDxH=14.9"x14.9"x10.04" (97.5 Lbs)

SAMSUNG DUAL HIGH BAND B5/B13
RRH-BR04C (RFV01 U-D2A)
RRH 850/700
REMOTE RADIO HEAD (RRH)
WxDxH=14.9"x14.9"x8.14" (82.0 Lbs)

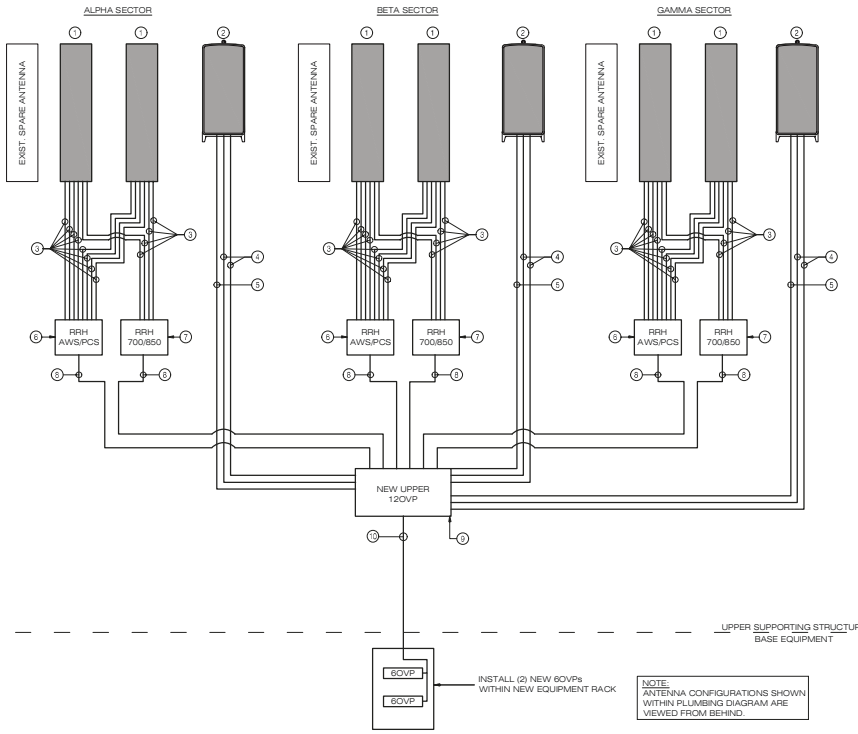
NOTE: WEIGHTS INCLUDE SOLAR SHEILD & MOUNTING BRACKET

4 B-1 RRH EQUIPMENT DETAILS
SCALE : ½" = 1'-0"



RAYCAP RVZDC-6627-PF-48
OVER VOLTAGE PROTECTION BOX (OVP)
WxDxH = 16.5"x12.6"x29.5" (32.0 lbs)

5 B-1 OVER VOLTAGE PROTECTION BOX (OVP)
SCALE : 1" = 1'-0"



NOTE:
ANTENNA CONFIGURATIONS SHOWN WITHIN PLUMBING DIAGRAM ARE VIEWED FROM BEHIND.

1 B-1 PLUMBING DIAGRAM
SCALE : ½" = 1'-0"

Cellco Partnership d/b/a
verizon
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS TECHNOLOGY CORPORATION
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385 PHONE: (860)-663-1697
WWW.ALLPOINTSTECH.COM FAX: (860)-663-0935

CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	06/07/21	FOR REVIEW: JRM
1	08/19/21	FOR FILING: JRM
2	08/20/21	FOR FILING: JRM
3		
4		
5		
6		

STATE OF CONNECTICUT
MICHAEL TRODDEN
33315
LICENSED
PROFESSIONAL ENGINEER

DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

OWNER: KAREN & RICHARD J.
ADDRESS: LANGER 44 GAVITT ROAD BARKHAMSTED, CT 06063

BARKHAMSTED NE CT

SITE ADDRESS: 44 GAVITT ROAD BARKHAMSTED, CT 06063

APT FILING NUMBER: CT141_12200

DRAWN BY: DRA
DATE: 06/07/21 CHECKED BY: JRM

VZ PROJECT CODE: 20212234216
VZ LOCATION CODE: 469117
VZ FUZE ID: 16272089

SHEET TITLE:
RF BILL OF MATERIALS, MECHANICAL SPECIFICATIONS & EQUIPMENT DETAILS

SHEET NUMBER:
B-1

DESIGN BASIS:

GOVERNING CODES/DESIGN STANDARDS:

2015 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE 2018 CONNECTICUT STATE BUILDING CODE
ASCE 7-10
TIA-222-G (TOWER)

01 GENERAL:

ABBREVIATIONS USED IN THESE SPECIFICATIONS INCLUDE THE FOLLOWING:

ACI	AMERICAN CONCRETE INSTITUTE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWS	AMERICAN WELDING SOCIETY
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM	AMERICAN STANDARDS AND TESTING METHODS
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
ICC-ES	INTERNATIONAL CODE COUNCIL EVALUATION SERVICE
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
UL	UNDERWRITERS LABORATORIES
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

EVERY INDIVIDUAL TRADE, DISCIPLINE, AND CONTRACTOR SHALL INCLUDE THESE GENERAL SPECIFICATIONS.

THE ENGINEER IS NOT RESPONSIBLE FOR NOR A GUARANTOR OF THE INSTALLING CONTRACTORS WORK, ADEQUACY OF ANY SITE COMPONENT, SUPERVISION OF ANY WORK, AND SAFETY IN, ON, OR ABOUT THE WORK SITE.

ANY REFERENCE HEREIN TO AN OR EQUAL ITEM, THAT EQUAL ITEM SHALL BE PRE-APPROVED BY THE CONSTRUCTION MANAGER BEFORE INSTALLATION

ALL TRADES SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES AND OTHER WORK AND CONDITIONS AS APPROPRIATE OR REQUIRED TO AVOID CONFLICTS. RESOLVE AND COORDINATE ALL CONFLICTS WITH ALL AFFECTED WORK AND SITE OPERATIONS. COORDINATION WITH THE SITE SHALL BE WITH THE OWNER, OR OWNER'S SPECIFIED REPRESENTATIVE, FOR EVERYTHING RELATED TO THE INSTALLATION OF THIS PROJECT.

ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE EDITIONS OF ALL APPLICABLE CODES AND SHALL BE ACCEPTABLE TO ALL AUTHORITIES HAVING JURISDICTION (AHJ). WHERE A CONFLICT EXISTS BETWEEN CODES, PLANS, SPECIFICATIONS, AND/OR AHJ, THE MORE STRINGENT AUTHORITY SHALL APPLY. WHERE CONFLICT EXISTS BETWEEN PLANS AND SPECIFICATIONS, PLAN SHALL APPLY. WHERE CONFLICT EXISTS BETWEEN PLAN SHEETS, CONSTRUCTION MANAGER SHALL BE CONSULTED PRIOR TO COMMENCING ANY WORK.

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR A COMPLETE AND PROPERLY OPERATIVE AND USABLE SYSTEM THROUGHOUT AND AS INDICATED ON THE DRAWINGS AND AS SPECIFIED HEREIN AND/OR OTHERWISE REQUIRED.

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INSTALLATIONS, AND EQUIPMENT IN THE FIELD PRIOR TO BID, FABRICATION, AND INSTALLATION OF ANY WORK.

CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO FABRICATION AND ERECTION OF ANY MATERIAL. THE ENGINEER SHALL BE NOTIFIED FOR INSPECTIONS PRIOR TO CLOSING PENETRATIONS AND OF ANY CONDITIONS WHICH PRECLUDE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

CONTRACTOR SHALL VISIT THE SITE TO MANAGE AND GAIN APPROVAL FOR ALL TENANT DISRUPTIONS, POWER OUTAGES, WORK SCHEDULES, DEFINITION OF WORK AREA AND WORK STORAGE, NEWER BUILDING/SITE ACCESS, NOISE AND CLEANLINESS REQUIREMENTS WITH THE BUILDING/SITE MANAGEMENT PRIOR TO ALL WORK. ANY DISRUPTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE IMPLEMENTED ONLY UPON WRITTEN APPROVAL OF THE OWNER.

THE CONTRACTOR SHALL SAFEGUARD AGAINST CREATING ANY HAZARD AFFECTING TENANT EGRESS OR COMPROMISING SITE SECURITY MEASURES.

PRIOR TO ALL BELOW-GRADE WORK AND ANY SURFACE WORK IN A NEW AREA FOR STRUCTURES OR VEHICLES, CONTRACTOR SHALL ENGAGE A MARKOUT SERVICE TO IDENTIFY ANY UNDERGROUND STRUCTURES, CONDUITS, AND PIPELINES IN THE AREA. ALL EXISTING SEWER, WATER, GAS, ELECTRIC, FIBER OPTIC, AND OTHER UNDERGROUND UTILITIES IDENTIFIED OR ENCOUNTERED, SHALL BE PROTECTED AT ALL TIMES. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN DIGGING OR EXCAVATING IN ANY MANNER AROUND OR NEAR SUCH UTILITIES. CONTRACTOR IS RESPONSIBLE FOR REPAIRS, REPLACEMENT, AND ALL DAMAGES DUE TO DAMAGE OF UTILITIES BY HIS OPERATIONS.

ALL EXISTING AND NEW EQUIPMENT AND MATERIAL LOCATIONS, ROUTING, ORIENTATION, MOUNTING, SPECIFICATIONS AND GENERAL INSTALLED CHARACTERISTICS SHALL BE CONSIDERED DIAGRAMMATIC ON THE PLANS. EXACT CONDITIONS SHALL BE DETERMINED IN THE FIELD PRIOR TO ANY INSTALLATION. ANY DIFFERENCES THAT MAY CAUSE SCHEDULE, COST, OR QUALITY SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ENGINEER PRIOR TO ANY WORK.

ALL REFERENCES HEREIN TO VERIFICATION OF ANY CONDITION OF SITE, FIELD, PLANS, OR SPECIFICATIONS PRIOR TO ANY WORK SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR. ANY AND ALL ADDITIONS, MODIFICATIONS, CHANGES, REPAIR, OR DEMOLITION AS A RESULT OF FAILURE TO BRING ANY EXISTING CONDITION PROPERLY TO THE ATTENTION OF THE OWNER OR ENGINEER SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WITHOUT DELAY, COST, OR CHANGES IN QUALITY.

ALL NOTES THIS SHEET SHALL APPLY UNLESS SPECIFICALLY NOTED OTHERWISE ON THE INCLUDED DRAWINGS OR IN SEPARATE PROJECT SPECIFICATIONS AS APPLICABLE. ALL SPECIFICATIONS SHALL BE CONSIDERED REQUIRED UNLESS APPROVED EQUAL BY THE OWNER, CONSTRUCTION MANAGER, OR ENGINEER AS APPLICABLE.

THE WORDS "PROVIDE" OR "INSTALL" SHALL MEAN FURNISH AND INSTALL.

CONTRACTOR SHALL PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE INSTALLATION OF HIS WORK. ANY PATCHING SHALL MATCH EXISTING SURROUNDING AREA IN ALL RESPECTS. ALL REMOVED MATERIAL SHALL BE REMOVED FROM THE PREMISES DAILY IN AN APPROVED SAFE MANNER.

ALL SURPLUS MATERIAL SHALL BE REMOVED FROM THE SITE PROMPTLY WHEN DEEMED TO BE SURPLUS.

EVERY CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF HIS WORK AND NEWLY INSTALLED OR EXISTING WORK, INCLUDING PROTECTION OF THE SITE, ALL STRUCTURES, AND ALL OCCUPANTS. FURNISH, INSTALL, MAINTAIN, AND REMOVE AS APPROPRIATE, ALL APPROPRIATE BARRIERS, SAFETY GUARDS, SIGNAGE, AND SECURITY AS REQUIRED.

EVERY CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR RESPECTIVE FEES, PERMITS, INSPECTIONS, TESTING, CERTIFICATES, AND ALL MANAGEMENT OF SAME REQUIRED FOR COMPLETION OF AND LEGAL OCCUPANCY OF THE FINISHED PROJECT.

ALL CONTRACTORS SHALL PROVIDE ALL NECESSARY TOOLS, FIXTURES, SERVICES, MATERIALS, JOB AIDS, AND PERSONNEL REQUIRED FOR THE EXECUTION OF THEIR WORK.

EACH CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP BY THEM TO BE FREE OF DEFECTS AND MAINTAINED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE INSTALLATION BY THE OWNER AND ENGINEER.

ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS IN THE TRADE HAVING JURISDICTION.

ANY DEVIATION, MODIFICATION, ADDITION, OR CHANGE IN DESIGN SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE OWNER OR ENGINEER.

ALL CONTRACTORS SHALL SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION, AND SHALL NOT PROCEED UNTIL ENGINEER APPROVAL IN WRITING IS RETURNED. EACH CONTRACTOR SHALL MAINTAIN ON JOB SITE A COMPLETE SET OF SHOP DRAWINGS WITH ANY DEVIATIONS FROM THE ORIGINAL DESIGN SHALL BE NOTED.

ALL MATERIALS AND EQUIPMENT SHALL BE NEW, WITHOUT BLEMISH OR DEFECT, AND SUITABLE AND LISTED FOR THE INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS OR SPECIFICATIONS. ALL ITEMS OF EQUIPMENT OR MATERIAL THAT ARE OF ONE GENERIC TYPE SHALL BE ONE MANUFACTURER THROUGHOUT.

ALL MATERIALS, EQUIPMENT, TOOLS, AND ITEMS UNDER THE CONTRACTOR'S RESPONSIBILITY ON THE JOBSITE SHALL BE ADEQUATELY SECURED, MAINTAINED, AND PROTECTED, SO AS NOT TO BECOME DAMAGED OR CREATE ANY HAZARD TO PERSONNEL OR PROPERTY.

THE CONTRACTORS HOURS OF WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES AND BE APPROVED BY THE OWNER.

CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR ALL OF HIS CREW AND INSURE THAT EVERY CREW MEMBER FOLLOWS SAVE WORK PRACTICES. SAFETY TRAINING SHALL INCLUDE, BUT NOT BE LIMITED TO, FALL PROTECTION, CONFINED SPACE ENTRY, ELECTRICAL SAFETY, AND TRENCHING/EXCAVATION SAFETY WHERE SUCH WORK IS EXECUTED OR ENCOUNTERED.

ALL TEMPORARY WORK REQUIRED OR SPECIFIED AS A PART OF THIS WORK, SHALL MEET ALL OF THE SAME REQUIREMENTS AS PERMANENT INSTALLATIONS, SHALL MEET ALL APPLICABLE CODE REQUIREMENTS, AND SHALL BE COMPLETELY REMOVED AFTER ITS PURPOSES HAVE BEEN SERVED.

ANY EXISTING UTILITY, SERVICE, STRUCTURE, EQUIPMENT, OR FIXTURE OBSTRUCTING THE WORK SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER.

IF ASBESTOS IS ENCOUNTERED DURING WORK EXECUTION, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER AND CEASE ALL ACTIVITIES IN AFFECTED AREAS UNTIL NOTIFIED BY THE CONSTRUCTION TO RESUME OPERATIONS.

EXIST. ELECTRICAL AND MECHANICAL FIXTURES, PIPING, WIRING AND EQUIPMENT OBSTRUCTING THE WORK SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER. TEMPORARY SERVICE INTERRUPTIONS MUST BE COORDINATED WITH OWNER.

05 STEEL:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

MATERIALS:

WIDE FLANGE	ASTM A992, GR 50
TUBING	ASTM A500, GR B
PIPE	ASTM A53, GR B
BOLTS	ASTM A325
GRATING	TYPE GW-2 (1-1/4"x3/16" BARS)
EXISTING METALS	ASTM A36

PROVIDE CERTIFICATION THAT WELDERS TO BE USED IN WORK ARE LICENSED AND HAVE SATISFACTORILY PASSED AWS QUALIFICATION TEST UNDER THE PROVISIONS OF APPENDIX D, PARTS II AND III OF THE AWS CODE FOR WELDING IN BUILDING CONSTRUCTION.

ALL BUILDING CONNECTION POINTS TO BE CENTERED ON EXISTING STRUCTURAL BEARING POINTS AND THE LOCATIONS ARE TO BE VERIFIED IN FIELD PRIOR TO THE FABRICATION OF STEEL.

DESIGN AND CONSTRUCTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF AISC SPECIFICATION FOR *"THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"*.

NON-STRUCTURAL CONNECTIONS FOR STEEL GRATING MAY USE 5/8" DIAMETER GALVANIZED ASTM A 307 BOLTS UNLESS OTHERWISE NOTED.

ALL STEEL MATERIAL SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 "ZINC (HOT-DIPPED GALVANIZED) COATINGS" ON IRON AND STEEL PRODUCTS WITH A COATING WEIGHT OF 2 OZ/SF.

ALL BOLTS, ANCHORS AND MISCELLANEOUS HARDWARE EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 "ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE."

DAMAGED GALVANIZED SURFACES SHALL BE REPAIRED BY TOUCHING UP ALL DAMAGED GALVANIZED STEEL WITH COLD ZINC, "GALVANOX", "DRY GALV", OR "ZINC IT", IN ACCORDANCE WITH MANUFACTURERS GUIDELINES. TOUCH UP DAMAGED NON-GALVANIZED STEEL WITH SAME PAINT APPLIED IN SHOP OR FIELD.

THE ENGINEER SHALL BE NOTIFIED OF ANY INCORRECTLY FABRICATED, DAMAGED OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE ENGINEER REVIEW. FIELD CUTTING OF STRUCTURAL STEEL IS NOT PERMITTED EXCEPT WITH THE PRIOR APPROVAL OF THE ENGINEER.

CONTRACTOR TO REMOVE AND RE-INSTALL ALL FIRE PROOFING AS REQUIRED DURING CONSTRUCTION.

THE STEEL STRUCTURE SHALL BE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER COMPLETION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION.

ALL STEEL ELEMENTS SHALL BE INSTALLED PLUMB AND LEVEL.

TOWER MANUFACTURER'S DESIGNS SHALL PREVAIL FOR TOWER.

CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC *"MANUAL OF STEEL CONSTRUCTION"*. CONNECTIONS SHALL BE PROVIDED TO CONFORM TO THE REQUIREMENTS OF TYPE 2 CONSTRUCTION.

STRUCTURAL CONNECTION BOLTS SHALL CONFORM TO ASTM A325. ALL BOLTS SHALL BE MINIMUM 3/4" DIAMETER AND EACH CONNECTION SHALL HAVE MINIMUM TWO BOLTS. LOCK WASHERS ARE NOT PERMITTED FOR A325 STEEL ASSEMBLIES. IF TENSION CONTROL BOLTS ARE USED, CONNECTIONS SHALL BE DESIGNED FOR SLIP CRITICAL BOLT ALLOWABLE LOAD VALUES.

DESIGN CONNECTIONS AT BEAM ENDS FOR 10 KIPS (MIN).

ALL U-BOLTED CONNECTIONS SHALL BE COMPLETED WITH DOUBLE NUTS OR A LOCK WASHER.

CONTRACTOR SHALL COMPLY WITH AWS CODE FOR PROCEDURES, APPEARANCE AND QUALITY OF WELDS, AND WELDING PROCESSES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS *"STANDARD QUALIFICATION PROCEDURES"*. ALL WELDING SHALL BE PERFORMED USING E70XX ELECTRODES AND SHALL CONFORM TO AISC AND D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE LARGER OF 1/4" FILLET OR MINIMUM SIZE PER TABLE J2.4 IN THE AISC *"MANUAL OF STEEL CONSTRUCTION"*. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED. SEE NOTE REGARDING DAMAGED GALVANIZED SURFACES.

ALL ARC AND GAS WELDING SHALL BE DONE BY A LICENSED AND CERTIFIED WELDER IN ACCORDANCE WITH AWS.

SEAL ALL PENETRATIONS AND SEAMS BETWEEN MASONRY AND STEEL WITH DOW CORNING 790 SILICONE BUILDING SEALANT OR EQUAL.

26 ELECTRICAL:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

ALL ELECTRICAL CONDUCTORS:

- INSULATION SHALL BE MINIMUM 600V TYPE THHN, THWN-2, OR XHHW.
- BRANCH CIRCUIT CONDUCTORS SHALL BE SOFT DRAWN 98% MINIMUM CONDUCTIVITY PROPERLY REFINED COPPER.
- FEEDER CIRCUIT CONDUCTORS SHALL BE EITHER COPPER OR ALUMINUM OF THE APPROPRIATE SIZE FOR THE APPLICATION, OR AS SPECIFICALLY NOTED.
- PERMANENTLY LABEL OR TAG ALL CONDUCTORS WITH THEIR CIRCUIT DESIGNATION AT ALL TERMINATION ENDS, SPLICES, AND VISIBLE AS PASS-THROUGH IN ALL ENCLOSURES.

ALL CONDUIT, RACEWAY, WIREWAYS, DUCTS, ETC. SHALL BE LISTED AND SUITABLE FOR THE APPLICATION. ONLY THE FOLLOWING CONDUITS AS APPROVED AND LISTED FOR THE APPLICATION SHALL BE ACCEPTABLE:

- ELECTRICAL METALLIC TUBING (EMT).
- COMPRESSION COUPLINGS AND CONNECTORS ONLY MADE UP WRENCH TIGHT.
- FLEXIBLE METAL CONDUIT (FMC) AND LIQUIDTIGHT FLEXIBLE METAL CONDUIT (LFMC).
- FINAL CONNECTIONS TO VIBRATING OR ADJUSTABLE EQUIPMENT INCLUDING, BUT NOT LIMITED TO, LIGHT FIXTURES, HVAC UNITS, TRANSFORMERS, MOTORS, ETC. OR WHERE EQUIPMENT IS PLACED UPON SLAB ON-GRADE.
- RIGID GALVANIZED STEEL (RGS).
- ALL FITTINGS, CONNECTORS, AND COUPLINGS SHALL BE THREADED MADE UP WRENCH TIGHT.
- RIGID POLYVINYL CHLORIDE (PVC) SCHEDULE 40 OR SCHEDULE 80.
- MAY BE USED FOR SERVICES, EXTERIOR, BELOW GRADE, AND WET LOCATIONS.
- SHALL NOT BE USED IN CONCRETE SLABS NOR EXPOSED WITHIN A BUILDING OR STRUCTURE.
- METAL-CLAD CABLE (MC)
- CONCEALED INSTALLATIONS ONLY.
- WITHIN A DUCT WITH SMOOTH OR CORRUGATED METAL JACKET AND NO OUTER COVERING OVER THE METAL JACKET.

IN FINISHED SPACES, ALL CONDUITS SHALL BE CONCEALED EXCEPT TO MAKE A FINAL CONNECTION TO EQUIPMENT NOT MOUNTED IN OR AGAINST FINISH MATERIAL.

ALL FEEDER AND BRANCH CIRCUITS SHALL HAVE A SEPARATE PROPERLY SIZED AND MARKED GROUNDING CONDUCTOR, PER APPLICABLE CODES, THAT BONDS ALL ENCLOSURES, BOXES, ETC. CONDUIT SHALL NOT BE USED AS A GROUNDING OR BONDING CONDUCTOR.

IF EXISTING ELECTRIC SERVICE IS TO REMAIN, CONTRACTOR SHALL BE VERIFY THAT IT MEETS PROJECT REQUIREMENTS WITHOUT MODIFICATION. IF IT IS TO BE ADDED OR REPLACED AS A PART OF THIS WORK, CONTRACTOR SHALL ORDER FROM, COORDINATE WITH, AND GAIN APPROVAL FROM THE ELECTRICAL UTILITY. ALL ELECTRICAL EQUIPMENT SHALL BE AS SPECIFIED AND AS APPROVED BY THE LOCAL UTILITY WHERE APPLICABLE.

ALL EQUIPMENT, ENCLOSURES, ETC. SHALL BE SUITABLE FOR THE INSTALLED ENVIRONMENT, MINIMUM NEMA 3R FOR ALL EXTERIOR INSTALLATIONS.

WIRING DEVICES SHALL BE SPECIFICATION GRADE AND WIRING DEVICE COVER PLATES SHALL BE PLASTIC WITH ENGRAVING AS SPECIFIED. COLOR SHALL BE IVORY. ALL DEVICES AND COVER PLATES SHALL BE OF THE SAME MANUFACTURER.

ALL FIRE-RATED PENETRATIONS SHALL BE SEALED USING A SUITABLE AND LISTED FIRE SEALING DEVICE OR GROUT THAT WILL MAINTAIN THE FIRE RATING OF THE STRUCTURE PENETRATED.

PROVIDE PERMANENTLY AFFIXED ENGRAVED NAMEPLATES FOR ALL CODE REQUIRED LABELING AND ON ALL PANELS, METERING, DISCONNECTS, AND ELECTRICAL EQUIPMENT THAT IDENTIFIES EQUIPMENT SERVED, ELECTRICAL SOURCE WITH CIRCUIT IDENTIFICATION, AND VOLTAGES WITHIN.

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL TERMINATIONS TO ALL EQUIPMENT.

ALL ELECTRICAL APPURTENANCES THAT ARE DISCONNECTED SHALL BE COMPLETELY REMOVED WITH EXISTING STRUCTURES TO REMAIN, REPAIRED, FINISHED, FILLED, PAINTED, ETC. ALL PANEL SCHEDULES, EQUIPMENT LABELING, AND CODE-REQUIRED LABELING, SHALL BE VERIFIED AND PROPERLY COMPLETED TO MATCH THE INSTALLATION.

26 GROUNDING:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

GROUND ALL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH BEST INDUSTRY PRACTICE, THE REQUIREMENTS OF THE NFPA 70 NATIONAL ELECTRICAL CODE (NEC), AND ALL OTHER APPLICABLE CODES AND REGULATIONS.

ALL GROUNDING ELECTRODES PRESENT AT EACH SERVICE LOCATION SHALL BE BONDED TOGETHER TO FORM THE GROUNDING ELECTRODE SYSTEM.

ALL EQUIPMENT ENCLOSURES, DEVICES, AND CONDUITS SHALL BE GROUNDED BY THE INSTALLATION OF A SEPARATE GROUNDING CONDUCTOR FOR ALL FEEDER AND BRANCH CIRCUITS THAT IS SIZED PER CODE OR IS OF THE SIZE INDICATED ON THE DRAWINGS, SHALL BE CONTINUOUS IN LENGTH, AND SHALL BE BONDED TO EACH ENCLOSURE PASSED THROUGH. CONDUIT SHALL NOT BE USED AS A GROUNDING OR BONDING WIRE OR CIRCUIT.

BOND ALL METALLIC CONDUITS TOGETHER THAT ARE CONNECTED TO NON-METALLIC ENCLOSURES, IN-GROUND BOXES, AND TO AN ENCLOSURE WHERE A GROUND BUS IS SPECIFIED OR SUPPLIED. ACCOMPLISH THIS BOND WITH GROUNDING CONDUCTORS MINIMUM SIZED TO THE LARGEST GROUNDING CONDUCTOR PRESENT IN THE ENCLOSURE CONNECTED TO A GROUNDING TYPE BUSHING EQUALLY SIZED OR MAXIMUM GROUND WIRE ACCOMMODATION AVAILABLE IN STANDARD MANUFACTURE FOR THE CONDUIT SIZE, WHICHEVER IS LESS.

EQUIPMENT GROUNDING AND LOAD SIDE BONDING CONDUCTORS SHALL BE SIZED PER THE CIRCUIT'S OVER-CURRENT PROTECTIVE DEVICE (OCPD) SIZE. WHERE THE UNGROUNDED CONDUCTORS ARE INCREASED IN SIZE ABOVE THE STANDARD FOR THE CIRCUITS OCPD, INCREASE THE GROUNDING CONDUCTOR PROPORTIONATELY TO THE CROSS-SECTIONAL AREA OF THE UNGROUNDED CONDUCTORS.

SERVICE MAIN BONDING JUMPERS AND GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED AND INSTALLED PER THE MINIMUM OF ALL APPLICABLE CODES AND REGULATIONS.

26 LIGHTNING PROTECTION:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS AND THE GROUNDING SPECIFICATIONS HEREIN.

THE LIGHTNING PROTECTION GROUNDING SYSTEM (LPGS) SHALL CONSIST OF BONDING ALL EQUIPMENT AND CONDUCTIVE STRUCTURES TO LOCALIZED SINGLE-POINT GROUNDING CONNECTIONS (TYPICALLY GROUND BARS) WHICH ARE BONDED TOGETHER AND TO AN IN-GROUND SYSTEM. IF THE LPGS IS ON A BUILDING, IT SHALL BE EFFECTIVELY BONDED TO THE ELECTRICAL SERVICE MAIN BONDING JUMPER AND TO ADDITIONAL IN-GROUND ELECTRODES AS MAY BE REQUIRED OR INDICATED. IF THE LPGS IS ON A DEDICATED COMMUNICATION SITE, ALL EQUIPMENT AREAS AND TOWERS SHALL EACH HAVE THEIR OWN IN-GROUND RING WITH EVERY RING BONDED TOGETHER, AND ALL CONDUCTIVE STRUCTURES IN CLOSE PROXIMITY (FENCES, ICE BRIDGES, ISOLATED EQUIPMENT, ETC.) ALSO BONDED TO PROVIDE A COMMON ELECTRICAL EQUIPOTENTIAL SYSTEM FOR ALL CONDUCTIVE ELEMENTS AND STRUCTURES.

CONDUCTORS:

- MIN #2 AWG SOLID BARE TINNED COPPER (SBTC) FOR ALL IN-GROUND CONDUCTORS.
- MIN #2 AWG COPPER GREEN STRANDED FOR BONDING STRUCTURES, AND FOR INTER-SYSTEM BONDING OF INDIVIDUAL ELEMENTS SUCH AS GROUND BAR TO GROUND BAR.
- MIN #6 AWG COPPER GREEN STRANDED OR ALL EQUIPMENT BONDING.
- INSTALL ALL IN-GROUND CONDUCTORS IN THE SAME HORIZONTAL PLANE OR IN A DOWNWARD DIRECTION AWAY FROM THE TOWER AND EQUIPMENT AREAS.
- AVOID LONG RUNS. MAKE DIRECT RUNS AS MUCH AS POSSIBLE.
- PLACE THROUGH NON-METALLIC SLEEVES WHEN PASSING THROUGH FLOORS, WALLS, CEILINGS, AND SIMILAR STRUCTURES.
- MAKE ALL CONNECTIONS IN CONTACT WITH EARTH WITH EXOTHERMIC WELDING. MAKE ALL OTHER CONNECTIONS WITH EXOTHERMIC WELDING, IRREVERSIBLE COMPRESSION CONNECTORS, OR LISTED COMPRESSION TWO-HOLE LUGS.
- INSTALL ALL CONDUCTORS WITH A MINIMUM 18 INCH BEND RADIUS AND NO BEND LONGER THAN A 90 DEGREE ARC. ALL BENDS SHALL BE HORIZONTAL, OR DOWNWARD TOWARDS EARTH.
- ALL CONDUCTORS PASSING FROM ABOVE-GROUND TO IN-GROUND CONNECTIONS, WHERE EXPOSED, SHALL BE COVERED AND PROTECTED WITH A NON-METALLIC CONDUIT SEALED AT BOTH ENDS.
- IF 2 OR MORE IN-GROUND CONDUCTORS ARE IN THE SAME PATH (2 RINGS OVERLAPPING, BONDING FOLLOWING ANOTHER RING OR RADIAL, OR SIMILAR), COMBINE WITH A SHARED SINGLE CONDUCTOR.

EQUIPMENT AND TOWER GROUND RINGS SHALL BE:

- BONDED TO ANY CONDUCTIVE OBJECT OR STRUCTURE WITHIN 5 FEET OF EQUIPMENT GROUND RINGS AND WITHIN 20 FEET OF TOWER GROUND RINGS.
- INSTALLED MINIMUM 18 INCHES FROM FOUNDATIONS, FOOTINGS, AND SIMILAR.

INSTALL ALL IN-GROUND RINGS, RADIALS, BONDS CONNECTING THEM, AND ALL SIMILAR GROUNDING:

- MIN 30 INCHES BELOW GRADE, OR 6 INCHES BELOW THE FROST LINE, WHICHEVER IS GREATER DEPTH.
- MIN 2 FEET FROM FOUNDATIONS, FOOTINGS, OTHER GROUNDING SYSTEMS, AND SIMILAR STRUCTURES, EXCEPT WHEN MAKING A BOND TO ANY OF THESE STRUCTURES. DO NOT BOND TO FOUNDATION INTERNAL REINFORCEMENT.

ALL EQUIPMENT GROUPED IN A COMMON AREA, COMPOUND, STRUCTURE, OR SIMILAR SHALL BE BONDED TO A SINGLE-POINT GROUND, PREFERABLY AN ISOLATED GROUND BAR. BOND THE GROUND BAR TO THE SYSTEM WITH MINIMUM SINGLE BONDING CONDUCTOR. IF BONDING TO AN IN-GROUND RING, INSTALL 2 BONDING CONDUCTORS MINIMUM WITH EACH CONDUCTOR INSTALLED DIRECTIONALLY AWAY FROM EACH OTHER AND PARALLEL TO THE IN-GROUND CONDUCTOR, WITH NO TEE CONNECTIONS.

TOWER GROUNDING:

- EACH TOWER LEG SHALL BE BONDED TO ITS RING. SINGLE-LEGGED TOWERS, OR MONOPOLES, SHALL HAVE 2 BONDS ON OPPOSITE SIDES.
- BOND TO TOWER BASE, NOT TO VERTICAL TOWER STRUCTURE, AWAY FROM TOWER MOUNTING HARDWARE.
- EACH BOND SHALL HAVE A CORRESPONDING GROUND ROD ON THE RING.
- EACH BOND SHALL CONSIST OF 2 CONDUCTORS FROM THE TOWER TO ITS RING WITH EACH CONDUCTOR DIRECTED IN OPPOSITE DIRECTIONS WITH A PARALLEL CONNECTION ON THE RING ON OPPOSITE SIDES OF THE GROUND ROD.

EQUIPMENT AREA GROUNDING:

- COMMUNICATION AREAS ON EARTH SHALL HAVE A GROUND RING.
- BOND ALL EQUIPMENT TO A SINGLE-POINT GROUND (GROUND BAR).
- BOND THE EQUIPMENT SINGLE-POINT GROUND TO THE EQUIPMENT GROUND RING WITH MINIMUM 2 CONDUCTORS DIRECTED IN OPPOSITE DIRECTIONS WITH PARALLEL CONNECTIONS ON THE RING.
- IF EQUIPMENT IS ENCLOSED IN A SHELTER:
- IF THE SHELTER IS CONSIDERED TO BE EXPOSED TO A DIRECT LIGHTNING STRIKE, INSTALL A BUILDING LIGHTNING PROTECTION SYSTEM PER APPLICABLE VERSION OF NFPA 780.
- BOND ALL FIXED CONDUCTIVE BUILDING COMPONENTS TOGETHER AND TO THE BUILDING RING GROUND AT THE CORNERS. THIS IS TYPICALLY CALLED THE HALO GROUND. DO NOT BOND EQUIPMENT TO THE HALO GROUND.
- BOND ALL EQUIPMENT TOGETHER TO A SINGLE-POINT OR INTERIOR EQUIPMENT RING GROUND (IEGR). BOND THE SINGLE-POINT OR IEGR TO THE EXTERNAL EQUIPMENT RING GROUND.
- PLACE GROUND RODS AT THE EQUIPMENT GROUND RING CORNERS.

GROUND RODS:

- SEPARATION SPACE BETWEEN ANY 2 GROUND RODS SHALL BE NO CLOSER THAN THEIR DEPTH. THIS APPLIES TO ALL RODS IN THE COMPLETE SYSTEM.
- DRIVE VERTICALLY IN UNDISTURBED SOIL WITH THE TOP AT SAME DEPTH AS THE IN-GROUND CONDUCTOR. IF NOT POSSIBLE TO INSTALL VERTICALLY, PLACE AS CLOSE TO VERTICAL AS POSSIBLE AND IN A DIRECTION AWAY FROM THE NEAREST ABOVE-GROUND CONDUCTIVE ELEMENT (TOWER, EQUIPMENT, ETC.).

RADIALS (TYP. NEW DEDICATED COMMUNICATION SITES):

- WHERE FEASIBLE WITH ENOUGH SPACE AVAILABLE, INSTALL A MINIMUM OF 4, MAXIMUM 10 RING RADIALS.
- EACH RADIAL'S LENGTH SHALL BE MIN 20 FT, MAX 80 FT.
- EXTEND RADIALS PERPENDICULAR FROM RINGS IN AS STRAIGHT LINE AS POSSIBLE, AWAY FROM OTHER RING GROUNDS, RADIALS, BONDS, AND SIMILAR.
- A COMMON PRACTICE IS TO PLACE 4 RADIALS FROM THE TOWER RING TO THE 4 CORNERS OF THE AVAILABLE AREA.

AT A MINIMUM, BOND ALL COMPOUND CONDUCTIVE FENCE CORNER POSTS AND GATE POSTS TO THE LPGS. PREFERABLY, INSTALL A GROUND RING THAT FOLLOWS THE FENCE LINE, BONDING ALL POSTS TO THE RING.

27 ANTENNAS & CABLES:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL TRANSMISSION CABLES, JUMPERS, CONNECTORS, GROUNDING STRAPS, ANTENNAS, MOUNT AND HARDWARE. ALL MATERIALS SHALL BE INSPECTED BY THE CONTRACTOR FOR DAMAGE UPON DELIVERY. JUMPERS SHALL BE SUPPLIED AT ANTENNAS AND EQUIPMENT INSIDE SHELTER. COORDINATE LENGTH OF JUMPER CABLES WITH OWNER. COORDINATE AND VERIFY ALL OF THE MATERIALS TO BE PROVIDED WITH OWNER PRIOR TO SUBMITTING BID AND ORDERING MATERIALS.

AFTER INSTALLATION, THE TRANSMISSION LINE SYSTEM SHALL BE PIM / SWEEP TESTED FOR NEWER INSTALLATION AND DAMAGE WITH ANTENNAS CONNECTED. CONTRACTOR SHALL OBTAIN AND USE LATEST TESTING PROCEDURES FROM OWNER OR MANUFACTURER PRIOR TO BIDDING.

ANTENNA CABLES SHALL BE UNIQUELY COLOR-CODED AT THE ANTENNAS, BOTH SIDES OF EQUIPMENT SHELTER WALL, AND JUMPER CABLES AT THE EQUIPMENT.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONNECTORS, ASSOCIATED CABLE MOUNTING AND GROUNDING HARDWARE, WALL MOUNTS, STANDOFFS, AND ALL ASSOCIATED HARDWARE TO INSTALL ALL CABLES AND ANTENNAS TO THE MANUFACTURER'S AND OWNER'S SPECIFICATIONS.

ANTENNA CABLES SHALL BE FOAM DIELECTRIC COAXIAL CABLES AS FOLLOWS:

- BASE STATION ANTENNAS:
  - 7/8" DIAMETER FOR CABLE LENGTHS UP TO 100 FT.
  - 1-5/8" DIAMETER FOR CABLE LENGTHS GREATER THAN 100 FT.
  - GPS ANTENNAS:
  - 7/8" DIAMETER FOR CABLE LENGTHS UP TO 200 FT.
  - 1-5/8" DIAMETER FOR CABLE LENGTHS GREATER THAN 200 FT.

MINIMUM BENDING RADIUS FOR COAXIAL CABLES SHALL BE:

- 15 FT FOR 7/8" COAXIAL CABLES.
- 25 FT FOR 1-5/8" COAXIAL CABLES.

CABLE SHALL BE INSTALLED WITH A MINIMUM NUMBER OF BENDS WHERE POSSIBLE. CABLE SHALL NOT BE LEFT UNTERMINATED AND SHALL BE SEALED IMMEDIATELY AFTER BEING INSTALLED.

ALL EXTERIOR CABLE CONNECTIONS SHALL BE COVERED WITH A WATERPROOF SPLICING KIT.

CONTRACTOR SHALL VERIFY EXACT LENGTH AND DIRECTION OF TRAVEL IN FIELD PRIOR TO CONSTRUCTION.

CABLE SHALL BE FURNISHED AND INSTALLED WITHOUT SPLICES AND WITH CONNECTORS AT EACH END.

27 CABLE TRAY:

THESE SPECIFICATIONS SHALL INCLUDE THE GENERAL SPECIFICATIONS HEREIN.

CABLE TRAY SHALL BE MADE OF EITHER CORROSION RESISTANT METAL OR WITH A CORROSION RESISTANT FINISH.

CABLE TRAY SHALL BE OF LADDER TRAY TYPE WITH FLAT COVER CLAMPED TO SIDE RAILS.

CABLE LADDER SHALL BE SIZED TO FIT ALL CABLES IN ACCORDANCE WITH NEC AND NEMA 11-15-84.

CABLE LADDER TRAYS SHALL BE NEMA CLASS 12A BY PW INDUSTRIES, INC. OR EQUAL.

CABLE LADDER TRAY SHALL BE SUPPORTED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

ALL WORKMANSHIP SHALL CONFORM TO THESE REQUIREMENTS AND ALL LOCAL CODES AND STANDARDS TO ENSURE SAFE AND ADEQUATE GROUNDING SYSTEM.

Cellco Partnership d/b/a

verizon

20 ALEXANDER DRIVE
WALLINGFORD, CT 06492

ALL-POINTS
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WATERFORD, CT 06385 PHONE: (860)-663-1697
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CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	06/07/21	FOR REVIEW: JRM
1	08/19/21	FOR FILING: JRM
2	08/20/21	FOR FILING: JRM
3		
4		
5		
6		

STATE OF CONNECTICUT
MICHAEL TRODDEN
33313
LICENSED
PROFESSIONAL ENGINEER

DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385

OWNER: ADDRESS: KAREN & RICHARD J. LANGER
44 GAVITT ROAD
BARKHAMSTED, CT 06063

BARKHAMSTED NE CT

SITE ADDRESS: 44 GAVITT ROAD
BARKHAMSTED, CT 06063

APT FILING NUMBER: CT141_12200

DRAWN BY: DRA

DATE: 06/07/21 **CHECKED BY:** JRM

VZ PROJECT CODE: 20212234216

VZ LOCATION CODE: 469117

VZ FUZE ID: 16272089

SHEET TITLE:

NOTES& SPECIFICATIONS

SHEET NUMBER:

N-1

SAMSUNG

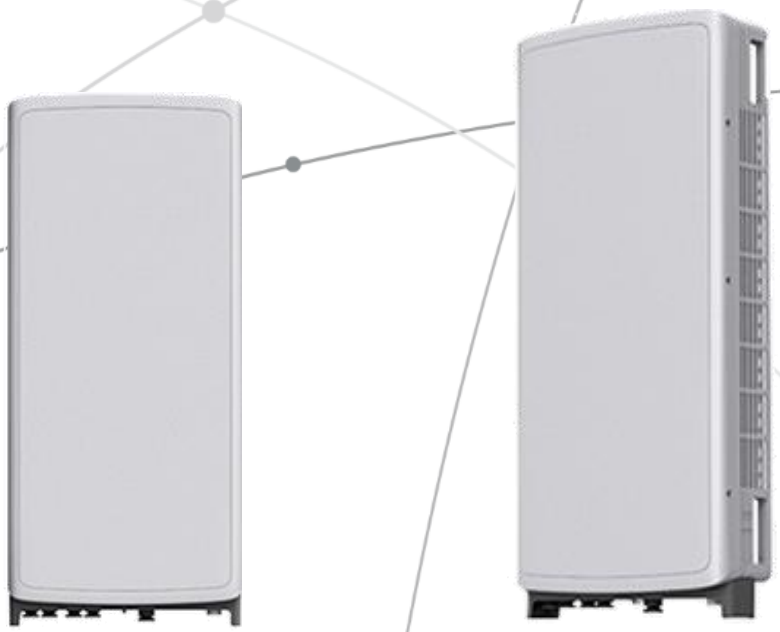
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

Samsung C-Band 64T64R Massive MIMO Radio enables mobile operators to increase coverage range, boost data speeds and ultimately offer enriched 5G experiences to users in the U.S..

Model Code : MT6407-77A

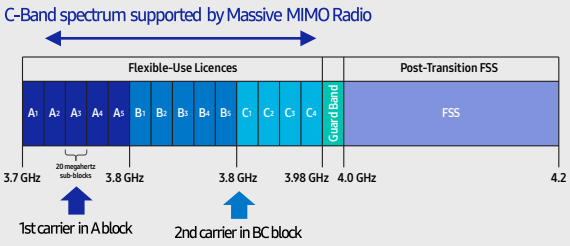


Points of Differentiation

Wide Bandwidth

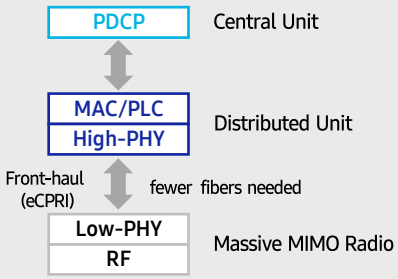
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

Samsung C-Band massive MIMO Radio covers the entire C-Band 280 MHz spectrum, so it can meet the operator's needs in current A block and future B/C blocks



Future Proof Product

Samsung C-Band 64T64R Massive MIMO radio supports not only CPRI but also eCPRI as front-haul interface.
It enables operators can cut down on OPEX/CAPEX by reducing front-haul bandwidth through low layer split and using ethernet based higher efficient line.



Enhanced Performance

C-Band massive MIMO Radio creates sharp beams and extends networks' coverage on the critical mid-band spectrum using a large number of antenna elements and high output power to boost data speeds.

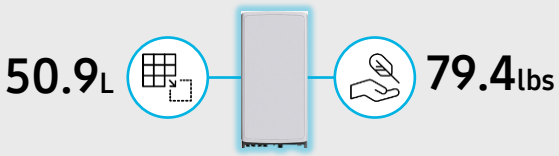
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

Furthermore, as C-Band massive MIMO Radio supports MU-MIMO(Multi-user MIMO) , it enables to increase user throughput by minimizing interference.

Well Matched Design

Samsung C-Band Massive MIMO radio utilizes 64 antennas, supports up to 280MHz bandwidth, and delivers a 200W output power. despite the above advanced performance, the Radio has a compact size of 50.9L and 79.4lbs. This makes it easy to install the Radio.

It is designed to look solid and compact, with a low profile appearance so that, when installed, harmonizes well with the surrounding environment..



Technical Specifications

Item	Specification
Tech	NR
Band	n77
Frequency Band	3700 - 3980 MHz
EIRP	78.5dBm (53.0 dBm+25.5 dBi)
IBW/OBW	280 MHz / 200 MHz
Installation	Pole/Wall
Size/ Weight	16.06 x 35.06 x 5.51 inch (50.86L)/ 79.4 lbs

SAMSUNG

About Samsung Electronics Co., Ltd.

Samsung inspires the world and shapes the future with transformative ideas and technologies. The company is redefining the worlds of TVs, smartphones, wearable devices, tablets, digital appliances, network systems, and memory, system LSI, foundry and LED solutions.

129 Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do, Korea

SAMSUNG

Dual-Band Radio Unit
700/850MHz (B13/B5)
RFV01U-D2A

Samsung's RFV01U-D2A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D2A RU targets dual-band support across Band 13 (700MHz) and Band 5 (850MHz), making it an ideal product for broad coverage footprints across multiple common low-end, long-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
B13: DL(746-756MHz)/UL(777-787MHz)
B5: DL(869-894MHz)/UL(824-849MHz)
Instantaneous Bandwidth: 10MHz(B13) + 25MHz(B5)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 207mm (29.9L)
Weight: 31.9kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

SAMSUNG

Dual-Band Radio Unit
AWS/PCS (B66/B2)
RFV01U-D1A

Samsung's RFV01U-D1A is a compact remote Radio Unit (RU) designed for deployments that require flexibility in installation and rapid onlining, without compromising on coverage, capacity or operational expenses.

The RFV01U-D1A RU targets dual-band support across Band 66 (AWS) and Band 2 (PCS), making it an ideal product for broad coverage footprints across multiple common mid-range frequencies.

The RU handles all Radio Frequency (RF) processing in a single, compact unit, and is designed to interface via CPRI with Samsung's CDU baseband offerings, in both distributed- and central-RAN configurations.

In addition to its minimal footprint and ease of installation, the RU is also designed to reduce cost of ownership through its integrated spectrum analyzer, which allows for remote RF monitoring, greatly reducing the need for on-site maintenance visits.

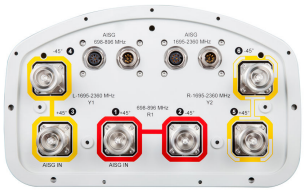
Features and Benefits

- Dual-band support for broad frequency coverage
- Minimal footprint reduces site costs
- Rapid, easy installation
- Flexibly deployable in any location
- Remote RF monitoring capability
- Convection cooled, silent operation
- Built-in Broadcast Auxiliary Services (BAS) filter ensures compliant AWS operation without impacting footprint

Key Technical Specifications

Duplex Type: FDD
Operating Frequencies:
    B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)
    B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)
Instantaneous Bandwidth:
    70MHz(B66) + 60MHz(B2)
RF Chain: 4T4R/2T4R/2T2R
Output Power: Total 320W
DU-RU Interface: CPRI (10Gbps)
Dimensions: 380 x 380 x 255mm (36.8L)
Weight: 38.3kg
Input Power: -48V DC
Operating Temp.: -40 - 55°(w/o solar load)
Cooling: Natural convection

NHH-65B-R2B



6-port sector antenna, 2x 698–896 and 4x 1695–2360 MHz, 65° HPBW, 2x RET. Both high bands share the same electrical tilt.

- Interleaved dipole technology providing for attractive, low wind load mechanical package
- Internal SBT on low and high band allow remote RET control from the radio over the RF jumper cable
- Separate RS-485 RET input/output for low and high band
- One RET for low band and one RET for both high bands to ensure same tilt level for 4x Rx or 4x MIMO

General Specifications

Antenna Type	Sector
Band	Multiband
Color	Light gray
Effective Projective Area (EPA), frontal	0.26 m^2 | 2.799 ft^2
Effective Projective Area (EPA), lateral	0.22 m^2 | 2.368 ft^2
Grounding Type	RF connector body grounded to reflector and mounting bracket
Performance Note	Outdoor usage | Wind loading figures are validated by wind tunnel measurements described in white paper WP-112534-EN
RF Connector Interface	7-16 DIN Female
RF Connector Location	Bottom
RF Connector Quantity, high band	4
RF Connector Quantity, low band	2
RF Connector Quantity, total	6

Remote Electrical Tilt (RET) Information, General

RET Interface	8-pin DIN Female | 8-pin DIN Male
RET Interface, quantity	2 female | 2 male

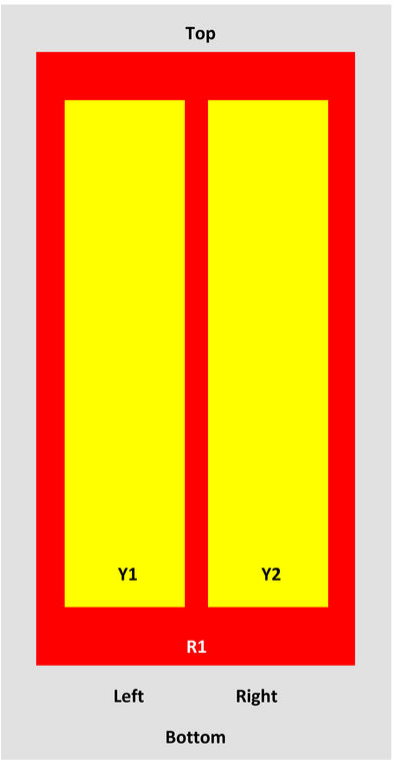
Dimensions

Width	301 mm | 11.85 in
Length	1828 mm | 71.969 in
Depth	180 mm | 7.087 in

Array Layout

NHH-65B-R2B

NHH



Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	698-896	1-2	1	ANxxxxxxxxxxxxxxx1
Y1	1695-2360	3-4	2	ANxxxxxxxxxxxxxxx2
Y2	1695-2360	5-6		

View from the front of the antenna

(Sizes of colored boxes are not true depictions of array sizes)

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2360 MHz | 698 – 896 MHz
Total Input Power, maximum	900 W @ 50 °C

Remote Electrical Tilt (RET) Information, Electrical

Protocol	3GPP/AISG 2.0 (Single RET)
Power Consumption, idle state, maximum	2 W
Power Consumption, normal conditions, maximum	13 W
Input Voltage	10–30 Vdc
Internal Bias Tee	Port 1 | Port 3
Internal RET	High band (1) | Low band (1)

NHH-65B-R2B

Electrical Specifications

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain, dBi	14.9	15	17.7	17.9	18.4	18.7
Beamwidth, Horizontal, degrees	65	60	71	69	64	57
Beamwidth, Vertical, degrees	12.4	11.2	5.7	5.2	4.9	4.6
Beam Tilt, degrees	0–14	0–14	0–7	0–7	0–7	0–7
USLS (First Lobe), dB	13	14	18	18	19	18
Front-to-Back Ratio at 180°, dB	30	29	31	30	29	31
Isolation, Cross Polarization, dB	25	25	25	25	25	25
Isolation, Inter-band, dB	30	30	30	30	30	30
VSWR | Return loss, dB	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0	1.5 | 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port at 50° C, maximum, watts	300	300	300	300	300	300

Electrical Specifications, BASTA

Frequency Band, MHz	698–806	806–896	1695–1880	1850–1990	1920–2200	2300–2360
Gain by all Beam Tilts, average, dBi	14.5	14.5	17.3	17.7	18.1	18.5
Gain by all Beam Tilts Tolerance, dB	±0.6	±1.1	±0.4	±0.4	±0.5	±0.3
Gain by Beam Tilt, average, dBi	0 ° | 14.4 7 ° | 14.6 14 ° | 14.3	0 ° | 14.7 7 ° | 14.7 14 ° | 14.1	0 ° | 17.2 4 ° | 17.3 7 ° | 17.3	0 ° | 17.6 4 ° | 17.7 7 ° | 17.7	0 ° | 18.0 4 ° | 18.2 7 ° | 18.1	0 ° | 18.3 4 ° | 18.5 7 ° | 18.6
Beamwidth, Horizontal Tolerance, degrees	±2	±2.1	±3	±4.1	±6.5	±2.9
Beamwidth, Vertical Tolerance, degrees	±0.7	±0.7	±0.3	±0.2	±0.3	±0.2
USLS, beampeak to 20° above beampeak, dB	13	14	16	16	17	15
Front-to-Back Total Power at 180° ± 30°, dB	23	22	27	27	25	25
CPR at Boresight, dB	22	21	23	23	22	19
CPR at Sector, dB	10	7	16	13	11	4

Material Specifications

Radiator Material	Low loss circuit board

NHH-65B-R2B

Reflector Material	Aluminum

Mechanical Specifications

Wind Loading at Velocity, frontal	278.0 N @ 150 km/h | 63.6 lbf @ 150 km/h
Wind Loading at Velocity, lateral	230.0 N @ 150 km/h | 51.7 lbf @ 150 km/h
Wind Loading at Velocity, maximum	120.7 lbf @ 150 km/h | 537.0 N @ 150 km/h
Wind Speed, maximum	241 km/h | 149.75 mph

Packaging and Weights

Width, packed	409 mm | 16.102 in
Depth, packed	299 mm | 11.772 in
Length, packed	1952 mm | 76.85 in
Net Weight, without mounting kit	19.8 kg | 43.651 lb
Weight, gross	32.3 kg | 71.209 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

Included Products

BSAMNT-3 — Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

ATTACHMENT 3

	General	Power	Density					
Site Name: Barkhamsted NE								
Tower Height: Verizon @ 157ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*AT&T	1	1244	167	850	0.0173	0.5667	0.30%	
*AT&T	1	2951	167	700	0.0409	0.4667	0.88%	
*AT&T	1	3664	167	1900	0.0508	1.0000	0.51%	
*AT&T	1	1476	167	700	0.0205	0.4667	0.44%	
*AT&T	1	3837	167	2100	0.0532	1.0000	0.53%	
*AT&T	1	1000	167	850	0.0139	0.5667	0.24%	
*AT&T	1	1000	167	850	0.0139	0.5667	0.24%	
VZW 700	**4**	**662**	**157**	**751**	**0.0039**	**0.5007**	**0.77%**	
VZW Cellular	**4**	**690**	**157**	**874**	**0.0040**	**0.5827**	**0.69%**	
VZW PCS	**4**	**1466**	**157**	**1980**	**0.0086**	**1.0000**	**0.86%**	
VZW AWS	**4**	**1626**	**157**	**2120**	**0.0095**	**1.0000**	**0.95%**	
VZW CBAND	**4**	**6531**	**1575**	**3730.08**	**0.0381**	**1.0000**	**3.81%**	
								10.23%
* Source: Siting Council								

ATTACHMENT 4

SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487-1307

T + 561.995.7670
F + 561.995.7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 468269 / Barkhamsted NE CT
Application #: 148074, v3

SBA Site ID / Name: CT11709-S / Barkhamsted, CT

170 ft Monopole

44 Gavitt Road
Barkhamsted, Connecticut 06063
Lat: 41.946083, Long: -72.911472

Project number: CT11709-VZW-081021

Analysis Results

Tower	53.1%	Pass
Foundation	34.0%	Pass

Change in tower stress due to mount modification / replacement	1.59%

Prepared by:

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Structural Engineer II
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Reviewed by:

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561-981-7390
Sshanubhogue@sbasite.com

August 10, 2021

STATE OF CONNECTICUT
ANANTHA B SHANUBHOGUE
33123
LICENSED
PROFESSIONAL ENGINEER

08/10/21

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 170 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	DaVinci, Project # 110-13059, Dated 4/5/2010
Foundation drawings	DaVinci, Project # 110-13059, Dated 4/5/2010
Geotechnical report	TEP, #100484.01, Dated 2/3/2010
Modification drawings	N/A
Mount Analysis	Maser Consulting Connecticut #: 21777221A, dated 07/02/2021
Latest SA	TES, Project # 86987, Dated 10/09/2019

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut / Litchfield / Barkhamsted
Governing Codes	ANSI/TIA/EIA 222-G, 2015 IBC / 2018 CSBC
Ultimate Wind Speed (3-Sec gust)	93.0 mph (Ultimate Wind Speed: 120 mph)
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00”
Structural Class*	II
Exposure Category	B
Topographic Category	1
Crest Height	0 ft
Ground Elevation	1135.58 ft.
Seismic Parameter Ss**	0.177
Seismic Parameter S_1	0.065

*This structural analysis is based upon the tower being classified as a structural class II; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

**Earthquake effects were ignored as per section 2.7.3 of the TIA-222-G code provisions for Ss < 1.0.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Powerwave P90-15-XLH-RR - Panel	Platform SitePro #	(2) 3" Conduit (2) 7/16" Fiber*	
		6	Powerwave TT08-19DB111-001 TMA			
			Andrew ABT-DF-DMADBH			
			Raycap DC6-48-60-18-8F			
			CCI HPA-65R-BU6AA - Panel			
			Andrew SBNHH-1D65A - Panel			
			CCI DMP65R-BU6DA - Panel			
			CCI DMP65R-BU4DA - Panel			
			Powerwave 7770 - Panel			
			Ericsson RRUS 8843 B2 B66A			
			Ericsson RRUS 4449 B5/B12			
			Antel BXA-70063-6CF-EDIN-5 - Panel	12' Low Profile Platform		Verizon
		6	Antel BXA-171063-12CF-EDIN-X - Panel			
			Alcatel Lucent RRH2x40-AWS RRH			
		3	Alcatel Lucent ALU-RH-2X40-700 RRU			

*Inside conduit

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 148074, v3 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Antel BXA-70063-6CF-EDIN-5 Panel	12' Low Profile Platform	(1) 1 5/8" Hybrid	Verizon
			Commscope NHH-65B-R2B Panel			
			Samsung 64T64R Panel			
			Samsung RFV01U-D1A RRU			
			Samsung RFV01U-D2A RRU			

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:			
Pass/Fail	Pass	Pass	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	34.0%	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***sufficient*** to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained inaccordanc e with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

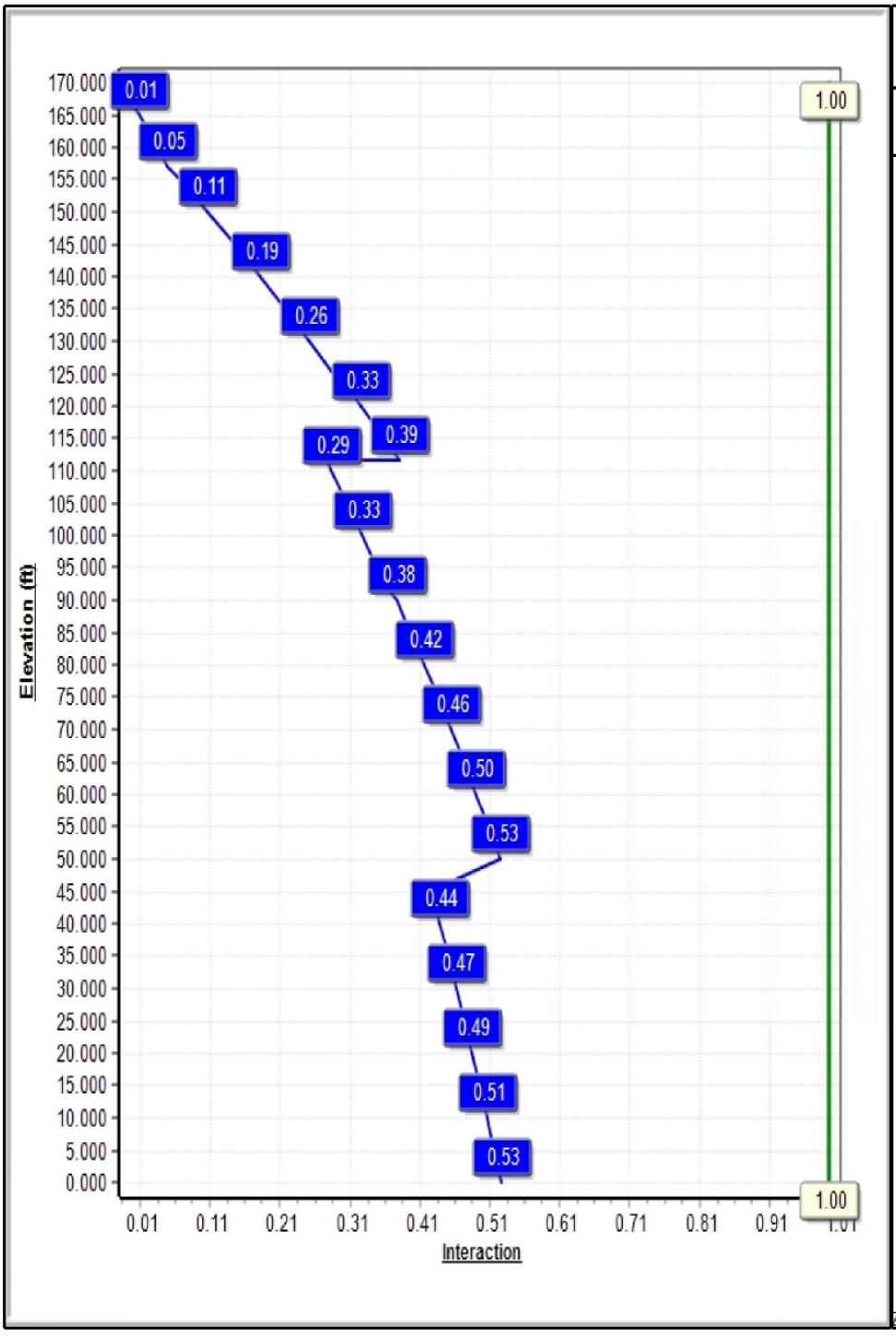
Appendix

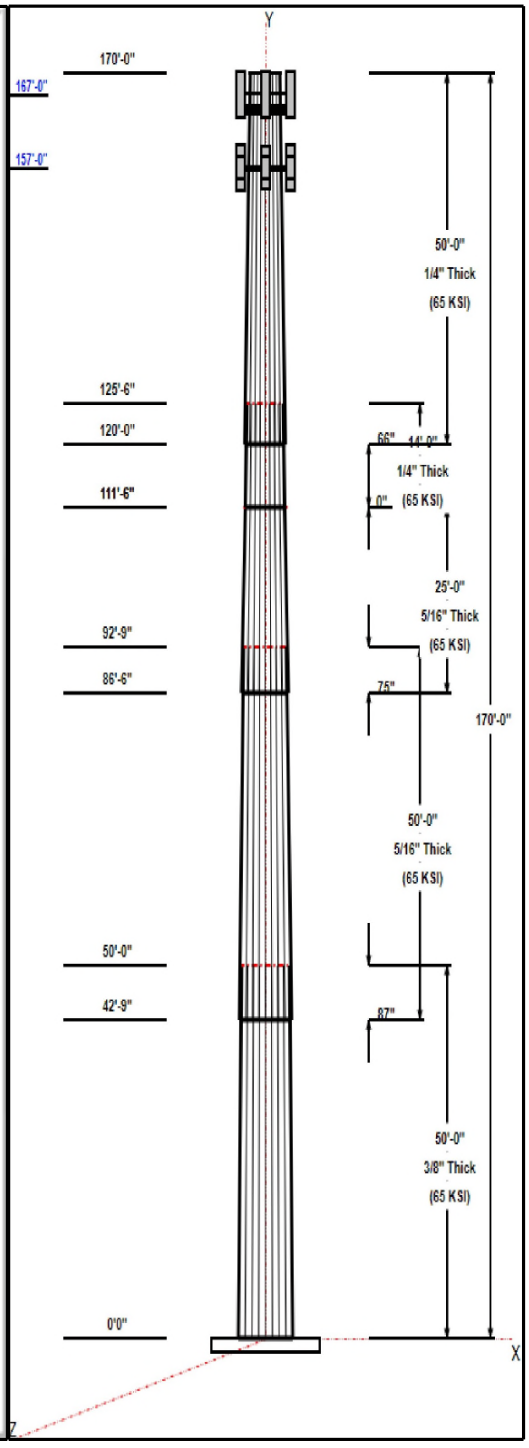
Usage Diagram - Max Ratio 53.08% at 0.0ft

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT	**Exposure:**	B	
Height:	170.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Dead Load Factor:	1.20	**Iterations:**	24
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 93 mph Wind





Structure: CT11709-S

Type: Tapered
Site Name: Barkhamsted, CT
Height: 170.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.17250

8/10/2021

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	50.00	50.05	58.67	0.375		0.17250	65
2	50.00	43.30	51.92	0.313	Slip	0.17250	65
3	25.00	40.69	45.00	0.313	Slip	0.17250	65
4	14.00	38.27	40.69	0.250	Butt	0.17250	65
5	50.00	31.10	39.72	0.250	Slip	0.17250	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
167.00	167.00	3	Andrew ABT-DFDM-ADBH	AT&T
167.00	167.00	2	Raycap DC6-48-60-18-8F	AT&T
167.00	167.00	1	RMQP-496-HK	AT&T
167.00	167.00	2	CCI HPA-65R-BU6AA	AT&T
167.00	167.00	1	Andrew SBNHH-1D65A	AT&T
167.00	167.00	2	CCI DMP65R-BU6DA	AT&T
167.00	167.00	1	CCI DMP65R-BU4DA	AT&T
167.00	167.00	3	Powerwave 7770	AT&T
167.00	167.00	3	Ericsson RRUS 8843 B2	AT&T
167.00	167.00	3	Ericsson RRUS 4449	AT&T
167.00	167.00	3	Powerwave	AT&T
167.00	167.00	6	Powerwave	AT&T
157.00	157.00	6	Commscope	Verizon
157.00	157.00	3	Samsung 64T64R	Verizon
157.00	157.00	3	Samsung RFV01U-D1A	Verizon
157.00	157.00	3	Samsung RFV01U-D2A	Verizon
157.00	157.00	1	RFS DB-C1-12C-24AB-0Z	Verizon
157.00	157.00	1	12' Low Profile Platform	Verizon
157.00	157.00	1	Kicker Kit	Verizon
157.00	157.00	3	Antel	Verizon
157.00	157.00	1	Top rail kit	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	167.00	Inside	1 5/8" Coax	AT&T
0.00	167.00	Inside	1/2" Coax	AT&T
0.00	167.00	Inside	3" Conduit	AT&T
0.00	167.00	Inside	3/4" DC	AT&T
0.00	167.00	Inside	7/16" Fiber	AT&T
0.00	157.00	Inside	1 5/8" Coax	Verizon
0.00	157.00	Inside	1 5/8" Hybrid	Verizon

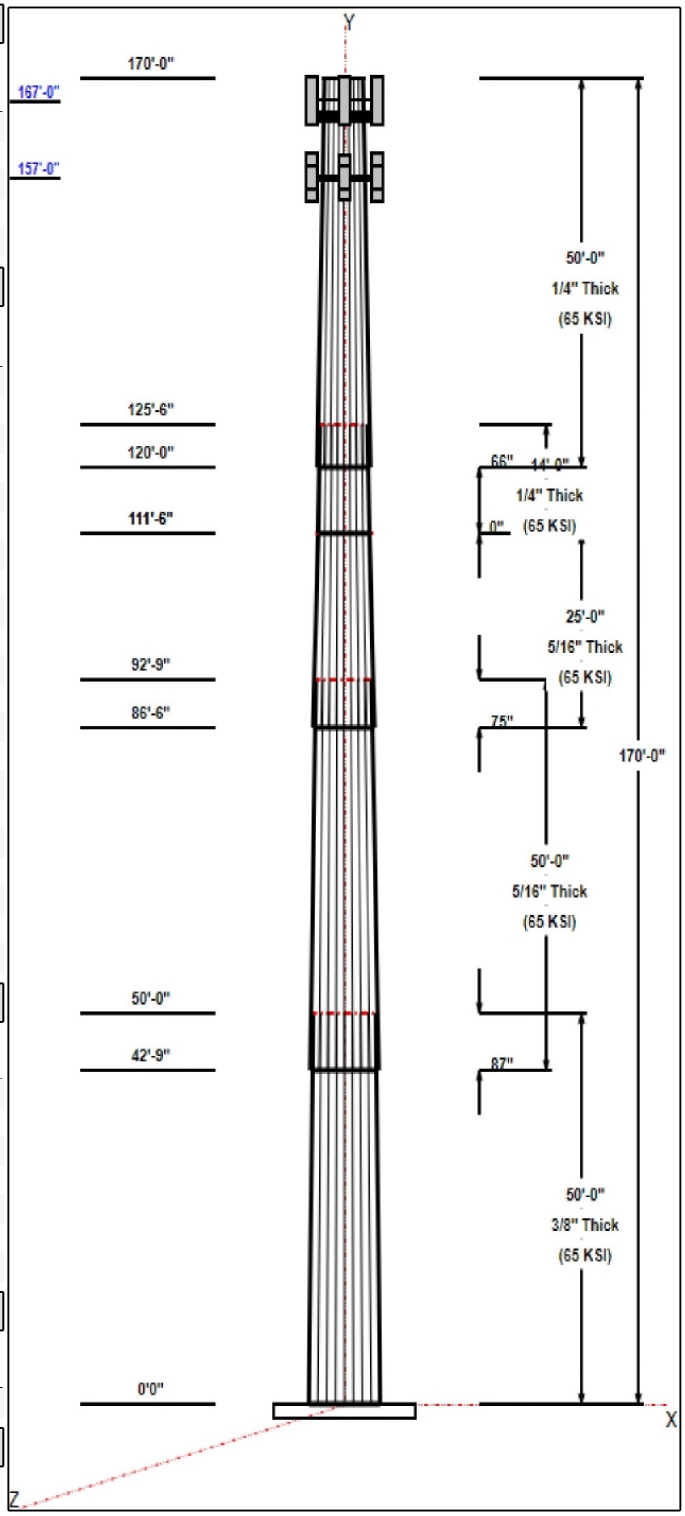
Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
18	2.00" F1554 105	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.5000	72.0	50.0	Round

Reactions

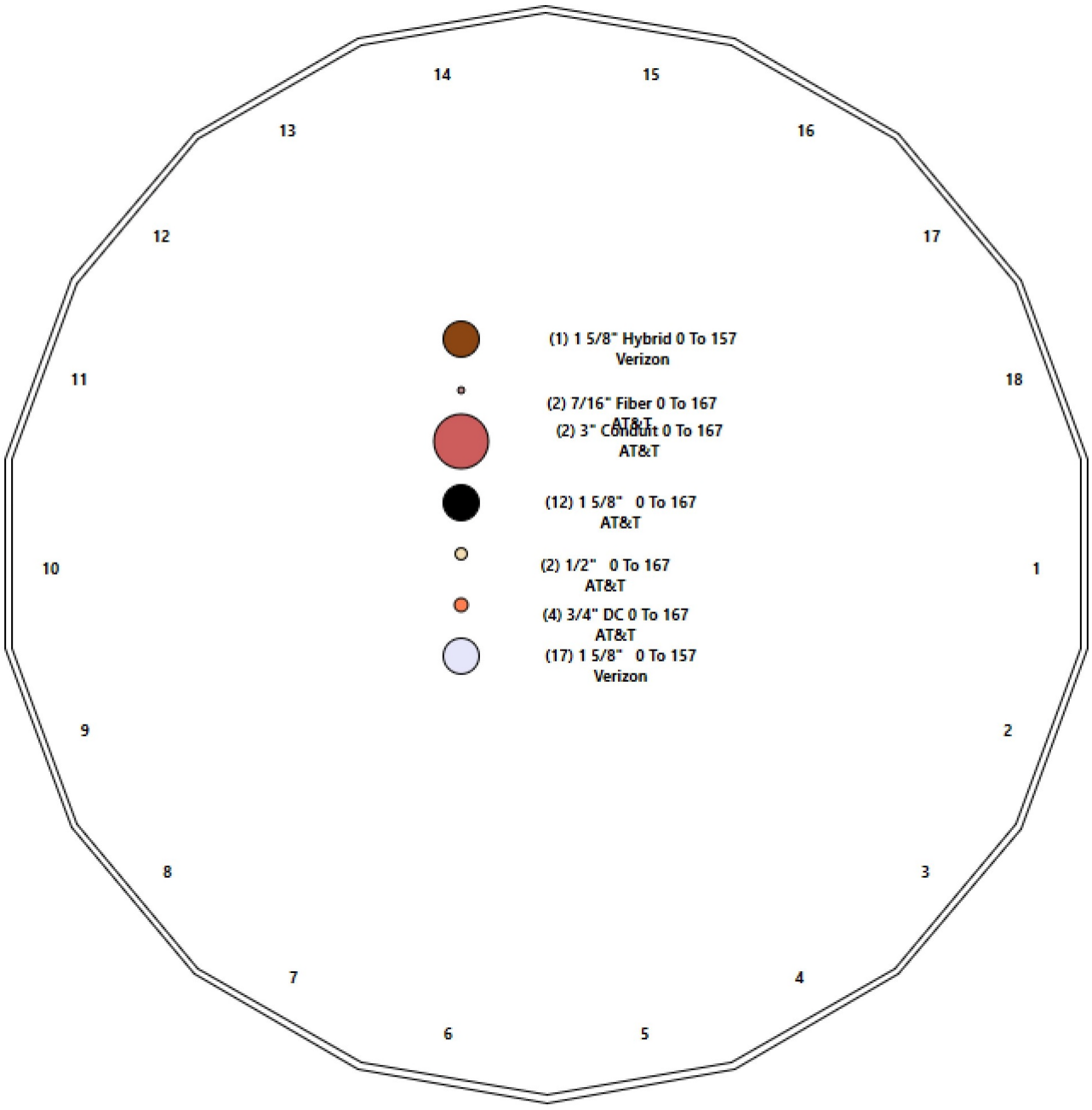


Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 93 mph Wind	2751.1	22.8	49.6
0.9D + 1.6W 93 mph Wind	2720.3	22.8	37.2
1.2D + 1.0Di + 1.0Wi 50 mph Wind	923.2	7.6	79.1
1.2D + 1.0E	286.1	2.1	49.6
0.9D + 1.0E	282.6	2.1	37.2
1.0D + 1.0W 60 mph Wind	710.7	5.9	41.4

Structure: CT11709-S - Coax Line Placement

Type: Monopole
Site Name: Barkhamsted, CT
Height: 170.00 (ft)

8/10/2021



Shaft Properties

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	50.000	0.3750	65		0.00	10,932
2	18	50.000	0.3125	65	Slip	87.00	7,981
3	18	25.000	0.3125	65	Slip	75.00	3,589
4	18	14.000	0.2500	65	Flange	0.00	1,483
5	18	50.000	0.2500	65	Slip	66.00	4,746
					Total Shaft Weight:		**28,731**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	58.67	0.00	69.38	29791.47	26.18	156.46	50.05	50.00	59.12	18428.2	22.12	133.4	0.172500
2	51.92	42.75	51.19	17225.58	27.89	166.15	43.30	92.75	42.63	9952.19	23.02	138.5	0.172500
3	45.00	86.50	44.32	11182.66	23.98	144.00	40.69	111.50	40.05	8247.53	21.55	130.2	0.172500
4	40.69	111.5	32.09	6628.71	27.29	162.75	38.27	125.50	30.17	5510.59	25.58	153.0	0.172500
5	39.72	120.0	31.32	6164.80	26.60	158.88	31.10	170.00	24.48	2942.26	20.52	124.3	0.172500

Load Summary

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 6

Discrete Appurtenances

				No Ice			Ice				
No.	**Elev (ft)**	**Description**	**Qty**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Hor. Ecc. (ft)**	**Vert Ecc (ft)**
1	167.00	Andrew ABT-DFDM-ADBH Surge Arr	3	1.10	0.05	0.98	4.11	0.309	0.98	0.00	0.00
2	167.00	Raycap DC6-48-60-18-8F Surge A	2	31.80	0.92	1.00	115.12	1.510	1.00	0.00	0.00
3	167.00	RMQP-496-HK	1	2449.00	46.00	1.00	5905.13	89.278	1.00	0.00	0.00
4	167.00	CCI HPA-65R-BU6AA	2	46.90	9.30	0.79	372.89	11.360	0.79	0.00	0.00
5	167.00	Andrew SBNHH-1D65A	1	33.50	5.88	1.00	262.13	7.370	1.00	0.00	0.00
6	167.00	CCI DMP65R-BU6DA	2	79.40	12.71	0.73	486.76	14.747	0.73	0.00	0.00
7	167.00	CCI DMP65R-BU4DA	1	67.90	7.23	1.00	504.47	8.733	1.00	0.00	0.00
8	167.00	Powerwave 7770	3	35.00	5.50	0.73	231.83	6.968	0.73	0.00	0.00
9	167.00	Ericsson RRUS 8843 B2 B66A	3	72.00	1.64	0.67	135.13	2.310	0.67	0.00	0.00
10	167.00	Ericsson RRUS 4449 B5/B12	3	71.00	1.97	0.67	142.94	2.708	0.67	0.00	0.00
11	167.00	Powerwave P90-15-XLH-RR	3	53.00	8.16	0.75	275.44	11.937	0.75	0.00	0.00
12	167.00	Powerwave TT08-19DB111-001 TMA	6	22.00	0.92	0.90	57.87	1.916	0.90	0.00	0.00
13	157.00	Commscope NHH-65B-R2B	6	43.70	8.08	0.83	298.26	9.757	0.83	0.00	0.00
14	157.00	Samsung 64T64R	3	87.10	4.70	0.70	237.36	5.909	0.70	0.00	0.00
15	157.00	Samsung RFV01U-D1A	3	97.50	1.88	0.83	165.42	2.610	0.83	0.00	0.00
16	157.00	Samsung RFV01U-D2A	3	82.00	1.88	0.77	146.41	2.610	0.77	0.00	0.00
17	157.00	RFS DB-C1-12C-24AB-0Z	1	32.00	1.73	1.39	136.37	2.435	1.39	0.00	0.00
18	157.00	12' Low Profile Platform	1	1500.00	22.00	1.00	3253.19	45.656	1.00	0.00	0.00
19	157.00	Kicker Kit (VZWSMART-PLKS)	1	91.67	5.59	1.00	198.81	11.601	1.00	0.00	0.00
20	157.00	Antel BXA-70063-6CF-EDIN-5	3	17.00	7.57	0.77	242.56	9.205	0.77	0.00	0.00
21	157.00	Top rail kit	1	255.70	6.36	1.00	554.56	13.199	1.00	0.00	0.00
		Totals:	**52**	**6,687.27**			**19,644.62**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
0.00	167.00	(12) 1 5/8" Coax	0.00	Inside
0.00	167.00	(2) 1/2" Coax	0.00	Inside
0.00	167.00	(2) 3" Conduit	0.00	Inside
0.00	167.00	(4) 3/4" DC	0.00	Inside
0.00	167.00	(2) 7/16" Fiber	0.00	Inside
0.00	157.00	(17) 1 5/8" Coax	0.00	Inside
0.00	157.00	(1) 1 5/8" Hybrid	0.00	Inside

Shaft Section Properties

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.3750	58.671	69.384	29791.5	26.18	156.46	70.6	1000.	0.0
5.00		0.3750	57.809	68.358	28488.6	25.77	154.16	71.1	970.6	1171.8
10.00		0.3750	56.946	67.331	27224.3	25.37	151.86	71.6	941.6	1154.3
15.00		0.3750	56.084	66.305	25998.0	24.96	149.56	72.0	913.0	1136.8
20.00		0.3750	55.221	65.278	24809.1	24.55	147.26	72.5	884.9	1119.4
25.00		0.3750	54.358	64.252	23657.0	24.15	144.96	73.0	857.2	1101.9
30.00		0.3750	53.496	63.225	22541.1	23.74	142.66	73.5	829.9	1084.4
35.00		0.3750	52.633	62.198	21460.8	23.34	140.36	74.0	803.1	1067.0
40.00		0.3750	51.771	61.172	20415.7	22.93	138.06	74.4	776.7	1049.5
42.75	Bot - Section 2	0.3750	51.297	60.607	19855.6	22.71	136.79	74.7	762.4	569.8
45.00		0.3750	50.908	60.145	19405.0	22.53	135.76	74.9	750.8	852.7
50.00	Top - Section 1	0.3125	50.671	49.948	16003.4	27.18	162.15	0.0	0.0	1871.7
55.00		0.3125	49.809	49.092	15195.1	26.69	159.39	70.0	600.9	842.5
60.00		0.3125	48.946	48.237	14414.5	26.21	156.63	70.6	580.0	828.0
65.00		0.3125	48.084	47.381	13661.2	25.72	153.87	71.1	559.6	813.4
70.00		0.3125	47.221	46.526	12934.5	25.23	151.11	71.7	539.5	798.9
75.00		0.3125	46.358	45.670	12234.0	24.75	148.35	72.3	519.8	784.3
80.00		0.3125	45.496	44.815	11559.4	24.26	145.59	72.9	500.4	769.8
85.00		0.3125	44.633	43.959	10910.0	23.77	142.83	73.4	481.4	755.2
86.50	Bot - Section 3	0.3125	44.375	43.703	10720.0	23.63	142.00	73.6	475.8	223.7
90.00		0.3125	43.771	43.104	10285.3	23.29	140.07	74.0	462.8	1041.2
92.75	Top - Section 2	0.3125	43.922	43.253	10392.7	23.37	140.55	0.0	0.0	808.1
95.00		0.3125	43.533	42.868	10117.6	23.15	139.31	74.2	457.8	329.7
100.00		0.3125	42.671	42.013	9523.9	22.67	136.55	74.7	439.6	722.1
105.00		0.3125	41.809	41.157	8953.9	22.18	133.79	75.3	421.8	707.5
110.00		0.3125	40.946	40.302	8407.1	21.69	131.03	75.9	404.4	693.0
111.50	Top - Section 3	0.3125	40.687	40.045	8247.5	21.55	130.20	76.1	399.3	205.1
111.50	Bot - Section 4	0.2500	40.687	32.086	6628.7	26.93	162.75	69.3	320.9	
115.00		0.2500	40.084	31.607	6336.2	26.86	160.33	69.8	311.3	379.3
120.00	Bot - Section 5	0.2500	39.221	30.922	5933.5	26.25	156.88	70.5	298.0	531.9
125.00		0.2500	38.358	30.238	5548.2	25.64	153.43	71.2	284.9	1047.3
125.50	Top - Section 4	0.2500	38.772	30.566	5730.9	25.94	155.09	0.0	0.0	103.5
130.00		0.2500	37.996	29.950	5391.3	25.39	151.98	71.5	279.5	463.3
135.00		0.2500	37.133	29.266	5030.1	24.78	148.53	72.3	266.8	503.8
140.00		0.2500	36.271	28.582	4685.5	24.17	145.08	73.0	254.4	492.1
145.00		0.2500	35.408	27.897	4356.9	23.56	141.63	73.7	242.4	480.5
150.00		0.2500	34.546	27.213	4044.0	22.95	138.18	74.4	230.6	468.8
155.00		0.2500	33.683	26.529	3746.5	22.35	134.73	75.1	219.1	457.2
157.00		0.2500	33.338	26.255	3631.7	22.10	133.35	75.4	214.6	179.6
160.00		0.2500	32.821	25.844	3464.0	21.74	131.28	75.8	207.9	265.9
165.00		0.2500	31.958	25.160	3196.0	21.13	127.83	76.5	197.0	433.9
167.00		0.2500	31.613	24.886	3092.8	20.89	126.45	76.8	192.7	170.3
170.00		0.2500	31.096	24.475	2942.3	20.52	124.38	77.3	186.4	251.9
										28730.9

Wind Loading - Shaft

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	14.724	16.20	386.30	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	14.724	16.20	380.62	0.650	0.000	5.00	24.641	16.02	415.1	0.0	1406.1
10.00		1.00	0.70	14.724	16.20	374.94	0.650	0.000	5.00	24.276	15.78	408.9	0.0	1385.2
15.00		1.00	0.70	14.724	16.20	369.26	0.650	0.000	5.00	23.911	15.54	402.8	0.0	1364.2
20.00		1.00	0.70	14.724	16.20	363.58	0.650	0.000	5.00	23.546	15.31	396.6	0.0	1343.2
25.00		1.00	0.70	14.724	16.20	357.90	0.650	0.000	5.00	23.181	15.07	390.5	0.0	1322.3
30.00		1.00	0.70	14.736	16.21	352.37	0.650	0.000	5.00	22.816	14.83	384.6	0.0	1301.3
35.00		1.00	0.73	15.400	16.94	354.41	0.650	0.000	5.00	22.451	14.59	395.5	0.0	1280.4
40.00		1.00	0.76	15.999	17.60	355.32	0.650	0.000	5.00	22.086	14.36	404.2	0.0	1259.4
42.75	Bot - Section 2	1.00	0.78	16.306	17.94	355.42	0.650	0.000	2.75	11.992	7.79	223.7	0.0	683.7
45.00		1.00	0.79	16.546	18.20	355.33	0.650	0.000	2.25	9.849	6.40	186.4	0.0	1023.2
50.00	Top - Section 1	1.00	0.81	17.052	18.76	354.60	0.650	0.000	5.00	21.621	14.05	421.8	0.0	2246.0
55.00		1.00	0.83	17.523	19.28	357.76	0.650	0.000	5.00	21.256	13.82	426.1	0.0	1011.0
60.00		1.00	0.85	17.964	19.76	355.96	0.650	0.000	5.00	20.891	13.58	429.3	0.0	993.6
65.00		1.00	0.87	18.380	20.22	353.71	0.650	0.000	5.00	20.526	13.34	431.6	0.0	976.1
70.00		1.00	0.89	18.773	20.65	351.06	0.650	0.000	5.00	20.161	13.10	433.0	0.0	958.6
75.00		1.00	0.91	19.147	21.06	348.07	0.650	0.000	5.00	19.796	12.87	433.6	0.0	941.2
80.00		1.00	0.93	19.503	21.45	344.75	0.650	0.000	5.00	19.432	12.63	433.5	0.0	923.7
85.00		1.00	0.94	19.844	21.83	341.16	0.650	0.000	5.00	19.067	12.39	432.8	0.0	906.2
86.50	Bot - Section 3	1.00	0.95	19.943	21.94	340.03	0.650	0.000	1.50	5.649	3.67	128.9	0.0	268.5
90.00		1.00	0.96	20.170	22.19	337.31	0.650	0.000	3.50	13.238	8.60	305.5	0.0	1249.5
92.75	Top - Section 2	1.00	0.97	20.345	22.38	335.09	0.650	0.000	2.75	10.276	6.68	239.2	0.0	969.7
95.00		1.00	0.97	20.484	22.53	338.08	0.650	0.000	2.25	8.325	5.41	195.1	0.0	395.6
100.00		1.00	0.99	20.787	22.87	333.82	0.650	0.000	5.00	18.236	11.85	433.7	0.0	866.5
105.00		1.00	1.00	21.079	23.19	329.36	0.650	0.000	5.00	17.871	11.62	430.9	0.0	849.0
110.00		1.00	1.02	21.361	23.50	324.72	0.650	0.000	5.00	17.506	11.38	427.8	0.0	831.6
111.50	Top - Section 3	1.00	1.02	21.443	23.59	323.29	0.650	0.000	1.50	5.181	3.37	127.1	0.0	246.1
115.00		1.00	1.03	21.634	23.80	319.90	0.650	0.000	3.50	11.961	7.77	296.0	0.0	455.1
120.00	Bot - Section 5	1.00	1.04	21.898	24.09	314.93	0.650	0.000	5.00	16.777	10.90	420.3	0.0	638.3
125.00		1.00	1.05	22.155	24.37	309.80	0.650	0.000	5.00	16.623	10.81	421.3	0.0	1256.8
125.50	Top - Section 4	1.00	1.05	22.181	24.40	309.28	0.650	0.000	0.50	1.642	1.07	41.7	0.0	124.1
130.00		1.00	1.07	22.405	24.65	308.60	0.650	0.000	4.50	14.616	9.50	374.6	0.0	556.0
135.00		1.00	1.08	22.648	24.91	303.22	0.650	0.000	5.00	15.893	10.33	411.8	0.0	604.5
140.00		1.00	1.09	22.884	25.17	297.72	0.650	0.000	5.00	15.529	10.09	406.5	0.0	590.5
145.00		1.00	1.10	23.115	25.43	292.11	0.650	0.000	5.00	15.164	9.86	401.0	0.0	576.6
150.00		1.00	1.11	23.340	25.67	286.37	0.650	0.000	5.00	14.799	9.62	395.1	0.0	562.6
155.00		1.00	1.12	23.560	25.92	280.53	0.650	0.000	5.00	14.434	9.38	389.0	0.0	548.6
157.00	Appurtenance(s)	1.00	1.12	23.646	26.01	278.17	0.650	0.000	2.00	5.671	3.69	153.4	0.0	215.5
160.00		1.00	1.13	23.774	26.15	274.59	0.650	0.000	3.00	8.398	5.46	228.4	0.0	319.1
165.00		1.00	1.14	23.984	26.38	268.56	0.650	0.000	5.00	13.704	8.91	376.0	0.0	520.7
167.00	Appurtenance(s)	1.00	1.14	24.067	26.47	266.11	0.650	0.000	2.00	5.379	3.50	148.1	0.0	204.4
170.00		1.00	1.15	24.190	26.61	262.43	0.650	0.000	3.00	7.960	5.17	220.3	0.0	302.3
								Totals:	**170.00**			**14,021.9**		**34,477.0**

Discrete Appurtenance Forces

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	167.00	Raycap DC6-48-60-18-8F	2	24.067	26.474	0.75	0.75	1.38	76.32	0.000	0.000	58.45	0.00	0.00
2	167.00	Powerwave	3	24.067	26.474	0.56	0.75	13.77	190.80	0.000	0.000	583.27	0.00	0.00
3	167.00	Ericsson RRUS 4449	3	24.067	26.474	0.50	0.75	2.97	255.60	0.000	0.000	125.79	0.00	0.00
4	167.00	Ericsson RRUS 8843 B2	3	24.067	26.474	0.50	0.75	2.47	259.20	0.000	0.000	104.72	0.00	0.00
5	167.00	Powerwave 7770	3	24.067	26.474	0.55	0.75	9.03	126.00	0.000	0.000	382.65	0.00	0.00
6	167.00	CCI DMP65R-BU4DA	1	24.067	26.474	0.75	0.75	5.42	81.48	0.000	0.000	229.69	0.00	0.00
7	167.00	CCI DMP65R-BU6DA	2	24.067	26.474	0.55	0.75	13.92	190.56	0.000	0.000	589.51	0.00	0.00
8	167.00	Andrew SBNHH-1D65A	1	24.067	26.474	0.75	0.75	4.41	40.20	0.000	0.000	186.80	0.00	0.00
9	167.00	CCI HPA-65R-BU6AA	2	24.067	26.474	0.59	0.75	11.02	112.56	0.000	0.000	466.80	0.00	0.00
10	167.00	RMQP-496-HK	1	24.067	26.474	1.00	1.00	46.00	2938.80	0.000	0.000	1948.46	0.00	0.00
11	167.00	Powerwave	6	24.067	26.474	0.68	0.75	3.73	158.40	0.000	0.000	157.83	0.00	0.00
12	167.00	Andrew ABT-DFDM-ADBH	3	24.067	26.474	0.73	0.75	0.11	3.96	0.000	0.000	4.67	0.00	0.00
13	157.00	Top rail kit	1	23.646	26.011	1.00	1.00	6.36	306.84	0.000	0.000	264.68	0.00	0.00
14	157.00	Antel	3	23.646	26.011	0.58	0.75	13.12	61.20	0.000	0.000	545.81	0.00	0.00
15	157.00	Kicker Kit	1	23.646	26.011	1.00	1.00	5.59	110.00	0.000	0.000	232.64	0.00	0.00
16	157.00	12' Low Profile Platform	1	23.646	26.011	1.00	1.00	22.00	1800.00	0.000	0.000	915.58	0.00	0.00
17	157.00	RFS DB-C1-12C-24AB-0Z	1	23.646	26.011	1.04	0.75	1.80	38.40	0.000	0.000	75.06	0.00	0.00
18	157.00	Samsung RFV01U-D2A	3	23.646	26.011	0.58	0.75	3.26	295.20	0.000	0.000	135.55	0.00	0.00
19	157.00	Samsung RFV01U-D1A	3	23.646	26.011	0.62	0.75	3.51	351.00	0.000	0.000	146.11	0.00	0.00
20	157.00	Samsung 64T64R	3	23.646	26.011	0.52	0.75	7.40	313.56	0.000	0.000	308.07	0.00	0.00
21	157.00	Commscope	6	23.646	26.011	0.62	0.75	30.18	314.64	0.000	0.000	1255.95	0.00	0.00
							Totals:		**8,024.72**			**8,718.10**		

Total Applied Force Summary

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 10

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		415.06	1626.44	0.00	0.00
10.00		408.91	1605.48	0.00	0.00
15.00		402.77	1584.52	0.00	0.00
20.00		396.62	1563.56	0.00	0.00
25.00		390.47	1542.60	0.00	0.00
30.00		384.65	1521.64	0.00	0.00
35.00		395.54	1500.68	0.00	0.00
40.00		404.24	1479.73	0.00	0.00
42.75		223.70	804.92	0.00	0.00
45.00		186.42	1122.37	0.00	0.00
50.00		421.78	2466.30	0.00	0.00
55.00		426.11	1231.35	0.00	0.00
60.00		429.33	1213.88	0.00	0.00
65.00		431.59	1196.42	0.00	0.00
70.00		432.99	1178.95	0.00	0.00
75.00		433.62	1161.49	0.00	0.00
80.00		433.54	1144.02	0.00	0.00
85.00		432.83	1126.56	0.00	0.00
86.50		128.88	334.56	0.00	0.00
90.00		305.47	1403.69	0.00	0.00
92.75		239.16	1090.89	0.00	0.00
95.00		195.10	494.76	0.00	0.00
100.00		433.66	1086.81	0.00	0.00
105.00		430.95	1069.35	0.00	0.00
110.00		427.80	1051.88	0.00	0.00
111.50		127.09	312.16	0.00	0.00
115.00		296.02	609.36	0.00	0.00
120.00		420.28	858.64	0.00	0.00
125.00		421.33	1477.11	0.00	0.00
125.50		41.67	146.17	0.00	0.00
130.00		374.63	754.28	0.00	0.00
135.00		411.78	824.82	0.00	0.00
140.00		406.53	810.85	0.00	0.00
145.00		400.98	796.88	0.00	0.00
150.00		395.14	782.90	0.00	0.00
155.00		389.02	768.93	0.00	0.00
157.00	(22) attachments	4032.87	3894.50	0.00	0.00
160.00		228.39	383.69	0.00	0.00
165.00		376.01	628.31	0.00	0.00
167.00	(30) attachments	4986.75	4681.29	0.00	0.00
170.00		220.27	302.34	0.00	0.00
	Totals:	**22,739.96**	**49,635.10**	**0.00**	**0.00**

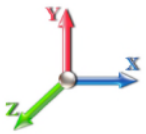
Calculated Forces

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

Load Case: 1.2D + 1.6W 93 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-49.61	-22.80	0.00	-2751.0	0.00	2751.08	4409.44	2204.72	10577.3	5296.53	0.00	0.000	0.000	0.531
5.00	-47.93	-22.49	0.00	-2637.1	0.00	2637.10	4373.55	2186.77	10335.0	5175.19	0.07	-0.129	0.000	0.521
10.00	-46.28	-22.18	0.00	-2524.6	0.00	2524.67	4336.78	2168.39	10093.2	5054.11	0.27	-0.258	0.000	0.510
15.00	-44.65	-21.87	0.00	-2413.7	0.00	2413.79	4299.12	2149.56	9852.03	4933.34	0.61	-0.387	0.000	0.500
20.00	-43.04	-21.55	0.00	-2304.4	0.00	2304.47	4260.58	2130.29	9611.54	4812.91	1.09	-0.516	0.000	0.489
25.00	-41.45	-21.24	0.00	-2196.7	0.00	2196.70	4221.16	2110.58	9371.84	4692.89	1.70	-0.645	0.000	0.478
30.00	-39.89	-20.93	0.00	-2090.5	0.00	2090.50	4180.86	2090.43	9133.04	4573.31	2.44	-0.774	0.000	0.467
35.00	-38.35	-20.60	0.00	-1985.8	0.00	1985.87	4139.68	2069.84	8895.22	4454.22	3.32	-0.902	0.000	0.455
40.00	-36.84	-20.23	0.00	-1882.8	0.00	1882.89	4097.62	2048.81	8658.48	4335.68	4.33	-1.030	0.000	0.443
42.75	-36.02	-20.03	0.00	-1827.2	0.00	1827.26	4074.11	2037.05	8528.77	4270.73	4.95	-1.101	0.000	0.437
45.00	-34.87	-19.88	0.00	-1782.1	0.00	1782.19	4054.67	2027.34	8422.92	4217.72	5.48	-1.160	0.000	0.431
50.00	-32.37	-19.48	0.00	-1682.7	0.00	1682.79	3121.16	1560.58	6469.05	3239.33	6.76	-1.287	0.000	0.530
55.00	-31.10	-19.10	0.00	-1585.4	0.00	1585.40	3092.99	1546.50	6300.19	3154.78	8.18	-1.413	0.000	0.513
60.00	-29.85	-18.71	0.00	-1489.9	0.00	1489.92	3063.94	1531.97	6131.59	3070.35	9.74	-1.557	0.000	0.495
65.00	-28.62	-18.32	0.00	-1396.3	0.00	1396.37	3034.01	1517.01	5963.32	2986.09	11.44	-1.699	0.000	0.477
70.00	-27.41	-17.91	0.00	-1304.8	0.00	1304.80	3003.20	1501.60	5795.50	2902.06	13.30	-1.840	0.000	0.459
75.00	-26.23	-17.50	0.00	-1215.2	0.00	1215.23	2971.51	1485.76	5628.21	2818.29	15.30	-1.978	0.000	0.440
80.00	-25.06	-17.09	0.00	-1127.7	0.00	1127.72	2938.94	1469.47	5461.54	2734.83	17.45	-2.115	0.000	0.421
85.00	-23.92	-16.65	0.00	-1042.2	0.00	1042.28	2905.48	1452.74	5295.59	2651.73	19.73	-2.248	0.000	0.401
86.50	-23.58	-16.53	0.00	-1017.3	0.00	1017.30	2895.27	1447.64	5245.96	2626.88	20.44	-2.288	0.000	0.396
90.00	-22.16	-16.20	0.00	-959.43	0.00	959.43	2871.14	1435.57	5130.46	2569.04	22.16	-2.380	0.000	0.381
92.75	-21.06	-15.94	0.00	-914.87	0.00	914.87	2877.20	1438.60	5159.24	2583.45	23.55	-2.452	0.000	0.362
95.00	-20.55	-15.76	0.00	-879.00	0.00	879.00	2861.53	1430.77	5085.14	2546.35	24.72	-2.509	0.000	0.353
100.00	-19.46	-15.32	0.00	-800.21	0.00	800.21	2826.07	1413.04	4921.19	2464.25	27.41	-2.627	0.000	0.332
105.00	-18.38	-14.87	0.00	-723.64	0.00	723.64	2789.73	1394.87	4758.26	2382.67	30.22	-2.741	0.000	0.310
110.00	-17.33	-14.41	0.00	-649.29	0.00	649.29	2752.51	1376.25	4596.46	2301.65	33.15	-2.850	0.000	0.289
111.50	-17.01	-14.29	0.00	-627.67	0.00	627.67	2741.17	1370.58	4548.16	2277.46	34.05	-2.883	0.000	0.282
111.50	-17.01	-14.29	0.00	-627.67	0.00	627.67	2001.40	1000.70	3331.01	1667.98	34.05	-2.883	0.000	0.385
115.00	-16.40	-13.99	0.00	-577.67	0.00	577.67	1985.76	992.88	3255.34	1630.09	36.19	-2.955	0.000	0.363
120.00	-15.53	-13.56	0.00	-507.73	0.00	507.73	1962.68	981.34	3147.40	1576.04	39.35	-3.077	0.000	0.330
125.00	-14.07	-13.07	0.00	-439.95	0.00	439.95	1938.71	969.36	3039.72	1522.12	42.63	-3.191	0.000	0.296
125.50	-13.91	-13.03	0.00	-433.42	0.00	433.42	1950.32	975.16	3091.33	1547.96	42.97	-3.202	0.000	0.287
130.00	-13.16	-12.64	0.00	-374.78	0.00	374.78	1928.38	964.19	2994.57	1499.51	46.03	-3.296	0.000	0.257
135.00	-12.34	-12.20	0.00	-311.60	0.00	311.60	1903.16	951.58	2887.43	1445.86	49.53	-3.386	0.000	0.222
140.00	-11.54	-11.76	0.00	-250.62	0.00	250.62	1877.06	938.53	2780.79	1392.46	53.12	-3.466	0.000	0.186
145.00	-10.76	-11.32	0.00	-191.84	0.00	191.84	1850.08	925.04	2674.74	1339.36	56.79	-3.533	0.000	0.149
150.00	-9.99	-10.88	0.00	-135.25	0.00	135.25	1822.21	911.11	2569.37	1286.60	60.51	-3.586	0.000	0.111
155.00	-9.25	-10.45	0.00	-80.83	0.00	80.83	1793.47	896.74	2464.78	1234.22	64.29	-3.624	0.000	0.071
157.00	-5.61	-6.18	0.00	-59.93	0.00	59.93	1781.73	890.86	2423.19	1213.40	65.81	-3.635	0.000	0.053
160.00	-5.24	-5.93	0.00	-41.39	0.00	41.39	1763.85	881.92	2361.07	1182.29	68.10	-3.647	0.000	0.038
165.00	-4.64	-5.51	0.00	-11.75	0.00	11.75	1733.34	866.67	2258.33	1130.84	71.92	-3.658	0.000	0.013
167.00	-0.29	-0.24	0.00	-0.72	0.00	0.72	1720.89	860.44	2217.52	1110.41	73.45	-3.659	0.000	0.001
170.00	0.00	-0.22	0.00	0.00	0.00	0.00	1701.95	850.98	2156.64	1079.93	75.75	-3.659	0.000	0.000

Wind Loading - Shaft

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	14.724	16.20	386.30	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	14.724	16.20	380.62	0.650	0.000	5.00	24.641	16.02	415.1	0.0	1054.6
10.00		1.00	0.70	14.724	16.20	374.94	0.650	0.000	5.00	24.276	15.78	408.9	0.0	1038.9
15.00		1.00	0.70	14.724	16.20	369.26	0.650	0.000	5.00	23.911	15.54	402.8	0.0	1023.1
20.00		1.00	0.70	14.724	16.20	363.58	0.650	0.000	5.00	23.546	15.31	396.6	0.0	1007.4
25.00		1.00	0.70	14.724	16.20	357.90	0.650	0.000	5.00	23.181	15.07	390.5	0.0	991.7
30.00		1.00	0.70	14.736	16.21	352.37	0.650	0.000	5.00	22.816	14.83	384.6	0.0	976.0
35.00		1.00	0.73	15.400	16.94	354.41	0.650	0.000	5.00	22.451	14.59	395.5	0.0	960.3
40.00		1.00	0.76	15.999	17.60	355.32	0.650	0.000	5.00	22.086	14.36	404.2	0.0	944.6
42.75	Bot - Section 2	1.00	0.78	16.306	17.94	355.42	0.650	0.000	2.75	11.992	7.79	223.7	0.0	512.8
45.00		1.00	0.79	16.546	18.20	355.33	0.650	0.000	2.25	9.849	6.40	186.4	0.0	767.4
50.00	Top - Section 1	1.00	0.81	17.052	18.76	354.60	0.650	0.000	5.00	21.621	14.05	421.8	0.0	1684.5
55.00		1.00	0.83	17.523	19.28	357.76	0.650	0.000	5.00	21.256	13.82	426.1	0.0	758.3
60.00		1.00	0.85	17.964	19.76	355.96	0.650	0.000	5.00	20.891	13.58	429.3	0.0	745.2
65.00		1.00	0.87	18.380	20.22	353.71	0.650	0.000	5.00	20.526	13.34	431.6	0.0	732.1
70.00		1.00	0.89	18.773	20.65	351.06	0.650	0.000	5.00	20.161	13.10	433.0	0.0	719.0
75.00		1.00	0.91	19.147	21.06	348.07	0.650	0.000	5.00	19.796	12.87	433.6	0.0	705.9
80.00		1.00	0.93	19.503	21.45	344.75	0.650	0.000	5.00	19.432	12.63	433.5	0.0	692.8
85.00		1.00	0.94	19.844	21.83	341.16	0.650	0.000	5.00	19.067	12.39	432.8	0.0	679.7
86.50	Bot - Section 3	1.00	0.95	19.943	21.94	340.03	0.650	0.000	1.50	5.649	3.67	128.9	0.0	201.3
90.00		1.00	0.96	20.170	22.19	337.31	0.650	0.000	3.50	13.238	8.60	305.5	0.0	937.1
92.75	Top - Section 2	1.00	0.97	20.345	22.38	335.09	0.650	0.000	2.75	10.276	6.68	239.2	0.0	727.3
95.00		1.00	0.97	20.484	22.53	338.08	0.650	0.000	2.25	8.325	5.41	195.1	0.0	296.7
100.00		1.00	0.99	20.787	22.87	333.82	0.650	0.000	5.00	18.236	11.85	433.7	0.0	649.9
105.00		1.00	1.00	21.079	23.19	329.36	0.650	0.000	5.00	17.871	11.62	430.9	0.0	636.8
110.00		1.00	1.02	21.361	23.50	324.72	0.650	0.000	5.00	17.506	11.38	427.8	0.0	623.7
111.50	Top - Section 3	1.00	1.02	21.443	23.59	323.29	0.650	0.000	1.50	5.181	3.37	127.1	0.0	184.5
115.00		1.00	1.03	21.634	23.80	319.90	0.650	0.000	3.50	11.961	7.77	296.0	0.0	341.4
120.00	Bot - Section 5	1.00	1.04	21.898	24.09	314.93	0.650	0.000	5.00	16.777	10.90	420.3	0.0	478.7
125.00		1.00	1.05	22.155	24.37	309.80	0.650	0.000	5.00	16.623	10.81	421.3	0.0	942.6
125.50	Top - Section 4	1.00	1.05	22.181	24.40	309.28	0.650	0.000	0.50	1.642	1.07	41.7	0.0	93.1
130.00		1.00	1.07	22.405	24.65	308.60	0.650	0.000	4.50	14.616	9.50	374.6	0.0	417.0
135.00		1.00	1.08	22.648	24.91	303.22	0.650	0.000	5.00	15.893	10.33	411.8	0.0	453.4
140.00		1.00	1.09	22.884	25.17	297.72	0.650	0.000	5.00	15.529	10.09	406.5	0.0	442.9
145.00		1.00	1.10	23.115	25.43	292.11	0.650	0.000	5.00	15.164	9.86	401.0	0.0	432.4
150.00		1.00	1.11	23.340	25.67	286.37	0.650	0.000	5.00	14.799	9.62	395.1	0.0	421.9
155.00		1.00	1.12	23.560	25.92	280.53	0.650	0.000	5.00	14.434	9.38	389.0	0.0	411.5
157.00	Appurtenance(s)	1.00	1.12	23.646	26.01	278.17	0.650	0.000	2.00	5.671	3.69	153.4	0.0	161.6
160.00		1.00	1.13	23.774	26.15	274.59	0.650	0.000	3.00	8.398	5.46	228.4	0.0	239.3
165.00		1.00	1.14	23.984	26.38	268.56	0.650	0.000	5.00	13.704	8.91	376.0	0.0	390.5
167.00	Appurtenance(s)	1.00	1.14	24.067	26.47	266.11	0.650	0.000	2.00	5.379	3.50	148.1	0.0	153.3
170.00		1.00	1.15	24.190	26.61	262.43	0.650	0.000	3.00	7.960	5.17	220.3	0.0	226.8
								Totals:	**170.00**			**14,021.9**		**25,857.8**

Discrete Appurtenance Forces

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	167.00	Raycap DC6-48-60-18-8F	2	24.067	26.474	0.75	0.75	1.38	57.24	0.000	0.000	58.45	0.00	0.00
2	167.00	Powerwave	3	24.067	26.474	0.56	0.75	13.77	143.10	0.000	0.000	583.27	0.00	0.00
3	167.00	Ericsson RRUS 4449	3	24.067	26.474	0.50	0.75	2.97	191.70	0.000	0.000	125.79	0.00	0.00
4	167.00	Ericsson RRUS 8843 B2	3	24.067	26.474	0.50	0.75	2.47	194.40	0.000	0.000	104.72	0.00	0.00
5	167.00	Powerwave 7770	3	24.067	26.474	0.55	0.75	9.03	94.50	0.000	0.000	382.65	0.00	0.00
6	167.00	CCI DMP65R-BU4DA	1	24.067	26.474	0.75	0.75	5.42	61.11	0.000	0.000	229.69	0.00	0.00
7	167.00	CCI DMP65R-BU6DA	2	24.067	26.474	0.55	0.75	13.92	142.92	0.000	0.000	589.51	0.00	0.00
8	167.00	Andrew SBNHH-1D65A	1	24.067	26.474	0.75	0.75	4.41	30.15	0.000	0.000	186.80	0.00	0.00
9	167.00	CCI HPA-65R-BU6AA	2	24.067	26.474	0.59	0.75	11.02	84.42	0.000	0.000	466.80	0.00	0.00
10	167.00	RMQP-496-HK	1	24.067	26.474	1.00	1.00	46.00	2204.10	0.000	0.000	1948.46	0.00	0.00
11	167.00	Powerwave	6	24.067	26.474	0.68	0.75	3.73	118.80	0.000	0.000	157.83	0.00	0.00
12	167.00	Andrew ABT-DFDM-ADBH	3	24.067	26.474	0.73	0.75	0.11	2.97	0.000	0.000	4.67	0.00	0.00
13	157.00	Top rail kit	1	23.646	26.011	1.00	1.00	6.36	230.13	0.000	0.000	264.68	0.00	0.00
14	157.00	Antel	3	23.646	26.011	0.58	0.75	13.12	45.90	0.000	0.000	545.81	0.00	0.00
15	157.00	Kicker Kit	1	23.646	26.011	1.00	1.00	5.59	82.50	0.000	0.000	232.64	0.00	0.00
16	157.00	12' Low Profile Platform	1	23.646	26.011	1.00	1.00	22.00	1350.00	0.000	0.000	915.58	0.00	0.00
17	157.00	RFS DB-C1-12C-24AB-0Z	1	23.646	26.011	1.04	0.75	1.80	28.80	0.000	0.000	75.06	0.00	0.00
18	157.00	Samsung RFV01U-D2A	3	23.646	26.011	0.58	0.75	3.26	221.40	0.000	0.000	135.55	0.00	0.00
19	157.00	Samsung RFV01U-D1A	3	23.646	26.011	0.62	0.75	3.51	263.25	0.000	0.000	146.11	0.00	0.00
20	157.00	Samsung 64T64R	3	23.646	26.011	0.52	0.75	7.40	235.17	0.000	0.000	308.07	0.00	0.00
21	157.00	Commscope	6	23.646	26.011	0.62	0.75	30.18	235.98	0.000	0.000	1255.95	0.00	0.00
							Totals:		**6,018.54**			**8,718.10**		

Total Applied Force Summary

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 14

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		415.06	1219.83	0.00	0.00
10.00		408.91	1204.11	0.00	0.00
15.00		402.77	1188.39	0.00	0.00
20.00		396.62	1172.67	0.00	0.00
25.00		390.47	1156.95	0.00	0.00
30.00		384.65	1141.23	0.00	0.00
35.00		395.54	1125.51	0.00	0.00
40.00		404.24	1109.79	0.00	0.00
42.75		223.70	603.69	0.00	0.00
45.00		186.42	841.78	0.00	0.00
50.00		421.78	1849.73	0.00	0.00
55.00		426.11	923.51	0.00	0.00
60.00		429.33	910.41	0.00	0.00
65.00		431.59	897.31	0.00	0.00
70.00		432.99	884.21	0.00	0.00
75.00		433.62	871.12	0.00	0.00
80.00		433.54	858.02	0.00	0.00
85.00		432.83	844.92	0.00	0.00
86.50		128.88	250.92	0.00	0.00
90.00		305.47	1052.77	0.00	0.00
92.75		239.16	818.17	0.00	0.00
95.00		195.10	371.07	0.00	0.00
100.00		433.66	815.11	0.00	0.00
105.00		430.95	802.01	0.00	0.00
110.00		427.80	788.91	0.00	0.00
111.50		127.09	234.12	0.00	0.00
115.00		296.02	457.02	0.00	0.00
120.00		420.28	643.98	0.00	0.00
125.00		421.33	1107.83	0.00	0.00
125.50		41.67	109.63	0.00	0.00
130.00		374.63	565.71	0.00	0.00
135.00		411.78	618.62	0.00	0.00
140.00		406.53	608.14	0.00	0.00
145.00		400.98	597.66	0.00	0.00
150.00		395.14	587.18	0.00	0.00
155.00		389.02	576.70	0.00	0.00
157.00	(22) attachments	4032.87	2920.88	0.00	0.00
160.00		228.39	287.77	0.00	0.00
165.00		376.01	471.23	0.00	0.00
167.00	(30) attachments	4986.75	3510.97	0.00	0.00
170.00		220.27	226.75	0.00	0.00
	Totals:	**22,739.96**	**37,226.32**	**0.00**	**0.00**

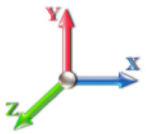
Calculated Forces

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.6W 93 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-37.20	-22.78	0.00	-2720.2	0.00	2720.27	4409.44	2204.72	10577.3	5296.53	0.00	0.000	0.000	0.522
5.00	-35.93	-22.44	0.00	-2606.3	0.00	2606.37	4373.55	2186.77	10335.0	5175.19	0.07	-0.127	0.000	0.512
10.00	-34.68	-22.11	0.00	-2494.1	0.00	2494.15	4336.78	2168.39	10093.2	5054.11	0.27	-0.255	0.000	0.502
15.00	-33.44	-21.77	0.00	-2383.6	0.00	2383.60	4299.12	2149.56	9852.03	4933.34	0.61	-0.382	0.000	0.491
20.00	-32.23	-21.44	0.00	-2274.7	0.00	2274.74	4260.58	2130.29	9611.54	4812.91	1.07	-0.509	0.000	0.480
25.00	-31.03	-21.11	0.00	-2167.5	0.00	2167.54	4221.16	2110.58	9371.84	4692.89	1.68	-0.637	0.000	0.469
30.00	-29.85	-20.77	0.00	-2062.0	0.00	2062.00	4180.86	2090.43	9133.04	4573.31	2.41	-0.764	0.000	0.458
35.00	-28.68	-20.43	0.00	-1958.1	0.00	1958.13	4139.68	2069.84	8895.22	4454.22	3.28	-0.891	0.000	0.447
40.00	-27.54	-20.05	0.00	-1856.0	0.00	1856.00	4097.62	2048.81	8658.48	4335.68	4.28	-1.017	0.000	0.435
42.75	-26.92	-19.85	0.00	-1800.8	0.00	1800.87	4074.11	2037.05	8528.77	4270.73	4.89	-1.087	0.000	0.428
45.00	-26.05	-19.68	0.00	-1756.2	0.00	1756.21	4054.67	2027.34	8422.92	4217.72	5.41	-1.145	0.000	0.423
50.00	-24.17	-19.28	0.00	-1657.7	0.00	1657.79	3121.16	1560.58	6469.05	3239.33	6.68	-1.270	0.000	0.520
55.00	-23.21	-18.88	0.00	-1561.4	0.00	1561.41	3092.99	1546.50	6300.19	3154.78	8.08	-1.394	0.000	0.503
60.00	-22.27	-18.49	0.00	-1467.0	0.00	1467.00	3063.94	1531.97	6131.59	3070.35	9.61	-1.536	0.000	0.485
65.00	-21.34	-18.08	0.00	-1374.5	0.00	1374.57	3034.01	1517.01	5963.32	2986.09	11.30	-1.676	0.000	0.467
70.00	-20.43	-17.67	0.00	-1284.1	0.00	1284.17	3003.20	1501.60	5795.50	2902.06	13.13	-1.814	0.000	0.449
75.00	-19.53	-17.25	0.00	-1195.8	0.00	1195.82	2971.51	1485.76	5628.21	2818.29	15.10	-1.951	0.000	0.431
80.00	-18.65	-16.83	0.00	-1109.5	0.00	1109.55	2938.94	1469.47	5461.54	2734.83	17.21	-2.085	0.000	0.412
85.00	-17.80	-16.40	0.00	-1025.3	0.00	1025.38	2905.48	1452.74	5295.59	2651.73	19.47	-2.216	0.000	0.393
86.50	-17.53	-16.28	0.00	-1000.7	0.00	1000.79	2895.27	1447.64	5245.96	2626.88	20.17	-2.256	0.000	0.387
90.00	-16.47	-15.95	0.00	-943.81	0.00	943.81	2871.14	1435.57	5130.46	2569.04	21.86	-2.346	0.000	0.373
92.75	-15.65	-15.70	0.00	-899.94	0.00	899.94	2877.20	1438.60	5159.24	2583.45	23.23	-2.416	0.000	0.354
95.00	-15.26	-15.51	0.00	-864.63	0.00	864.63	2861.53	1430.77	5085.14	2546.35	24.38	-2.473	0.000	0.345
100.00	-14.43	-15.07	0.00	-787.08	0.00	787.08	2826.07	1413.04	4921.19	2464.25	27.03	-2.589	0.000	0.325
105.00	-13.63	-14.63	0.00	-711.73	0.00	711.73	2789.73	1394.87	4758.26	2382.67	29.81	-2.701	0.000	0.304
110.00	-12.84	-14.18	0.00	-638.59	0.00	638.59	2752.51	1376.25	4596.46	2301.65	32.69	-2.808	0.000	0.282
111.50	-12.60	-14.05	0.00	-617.32	0.00	617.32	2741.17	1370.58	4548.16	2277.46	33.58	-2.840	0.000	0.276
111.50	-12.60	-14.05	0.00	-617.32	0.00	617.32	2001.40	1000.70	3331.01	1667.98	33.58	-2.840	0.000	0.377
115.00	-12.14	-13.75	0.00	-568.15	0.00	568.15	1985.76	992.88	3255.34	1630.09	35.69	-2.912	0.000	0.355
120.00	-11.49	-13.32	0.00	-499.38	0.00	499.38	1962.68	981.34	3147.40	1576.04	38.80	-3.032	0.000	0.323
125.00	-10.39	-12.85	0.00	-432.76	0.00	432.76	1938.71	969.36	3039.72	1522.12	42.04	-3.143	0.000	0.290
125.50	-10.27	-12.82	0.00	-426.34	0.00	426.34	1950.32	975.16	3091.33	1547.96	42.37	-3.154	0.000	0.281
130.00	-9.71	-12.43	0.00	-368.67	0.00	368.67	1928.38	964.19	2994.57	1499.51	45.38	-3.247	0.000	0.251
135.00	-9.10	-11.99	0.00	-306.54	0.00	306.54	1903.16	951.58	2887.43	1445.86	48.83	-3.336	0.000	0.217
140.00	-8.50	-11.56	0.00	-246.58	0.00	246.58	1877.06	938.53	2780.79	1392.46	52.37	-3.414	0.000	0.182
145.00	-7.91	-11.13	0.00	-188.77	0.00	188.77	1850.08	925.04	2674.74	1339.36	55.98	-3.480	0.000	0.145
150.00	-7.34	-10.71	0.00	-133.11	0.00	133.11	1822.21	911.11	2569.37	1286.60	59.65	-3.533	0.000	0.108
155.00	-6.79	-10.29	0.00	-79.56	0.00	79.56	1793.47	896.74	2464.78	1234.22	63.37	-3.570	0.000	0.068
157.00	-4.12	-6.08	0.00	-58.99	0.00	58.99	1781.73	890.86	2423.19	1213.40	64.87	-3.580	0.000	0.051
160.00	-3.85	-5.84	0.00	-40.75	0.00	40.75	1763.85	881.92	2361.07	1182.29	67.12	-3.592	0.000	0.037
165.00	-3.40	-5.43	0.00	-11.57	0.00	11.57	1733.34	866.67	2258.33	1130.84	70.89	-3.603	0.000	0.012
167.00	-0.21	-0.23	0.00	-0.70	0.00	0.70	1720.89	860.44	2217.52	1110.41	72.39	-3.604	0.000	0.001
170.00	0.00	-0.22	0.00	0.00	0.00	0.00	1701.95	850.98	2156.64	1079.93	74.66	-3.604	0.000	0.000

Wind Loading - Shaft

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.68	0.00	1.200	1.656	5.00	26.021	31.23	146.2	616.9	2023.0
10.00		1.00	0.70	4.256	4.68	0.00	1.200	1.775	5.00	25.755	30.91	144.7	652.8	2038.0
15.00		1.00	0.70	4.256	4.68	0.00	1.200	1.848	5.00	25.451	30.54	143.0	670.7	2034.9
20.00		1.00	0.70	4.256	4.68	0.00	1.200	1.902	5.00	25.131	30.16	141.2	680.6	2023.9
25.00		1.00	0.70	4.256	4.68	0.00	1.200	1.945	5.00	24.802	29.76	139.3	686.0	2008.3
30.00		1.00	0.70	4.260	4.69	0.00	1.200	1.981	5.00	24.467	29.36	137.6	688.3	1989.7
35.00		1.00	0.73	4.451	4.90	0.00	1.200	2.012	5.00	24.128	28.95	141.8	688.5	1968.9
40.00		1.00	0.76	4.625	5.09	0.00	1.200	2.039	5.00	23.786	28.54	145.2	687.1	1946.5
42.75	Bot - Section 2	1.00	0.78	4.713	5.18	0.00	1.200	2.052	2.75	12.933	15.52	80.5	377.2	1060.9
45.00		1.00	0.79	4.783	5.26	0.00	1.200	2.063	2.25	10.622	12.75	67.1	311.6	1334.9
50.00	Top - Section 1	1.00	0.81	4.929	5.42	0.00	1.200	2.085	5.00	23.358	28.03	152.0	688.8	2934.8
55.00		1.00	0.83	5.065	5.57	0.00	1.200	2.105	5.00	23.010	27.61	153.8	684.3	1695.4
60.00		1.00	0.85	5.193	5.71	0.00	1.200	2.123	5.00	22.661	27.19	155.3	679.1	1672.6
65.00		1.00	0.87	5.313	5.84	0.00	1.200	2.140	5.00	22.310	26.77	156.5	673.2	1649.3
70.00		1.00	0.89	5.426	5.97	0.00	1.200	2.156	5.00	21.958	26.35	157.3	666.7	1625.4
75.00		1.00	0.91	5.534	6.09	0.00	1.200	2.171	5.00	21.606	25.93	157.8	659.8	1601.0
80.00		1.00	0.93	5.637	6.20	0.00	1.200	2.185	5.00	21.253	25.50	158.1	652.5	1576.2
85.00		1.00	0.94	5.736	6.31	0.00	1.200	2.198	5.00	20.899	25.08	158.2	644.7	1551.0
86.50	Bot - Section 3	1.00	0.95	5.765	6.34	0.00	1.200	2.202	1.50	6.199	7.44	47.2	192.7	461.2
90.00		1.00	0.96	5.830	6.41	0.00	1.200	2.211	3.50	14.528	17.43	111.8	451.7	1701.2
92.75	Top - Section 2	1.00	0.97	5.881	6.47	0.00	1.200	2.218	2.75	11.292	13.55	87.7	352.4	1322.1
95.00		1.00	0.97	5.921	6.51	0.00	1.200	2.223	2.25	9.159	10.99	71.6	286.6	682.3
100.00		1.00	0.99	6.008	6.61	0.00	1.200	2.234	5.00	20.098	24.12	159.4	628.3	1494.8
105.00		1.00	1.00	6.093	6.70	0.00	1.200	2.245	5.00	19.743	23.69	158.8	619.4	1468.4
110.00		1.00	1.02	6.174	6.79	0.00	1.200	2.256	5.00	19.386	23.26	158.0	610.3	1441.8
111.50	Top - Section 3	1.00	1.02	6.198	6.82	0.00	1.200	2.259	1.50	5.746	6.89	47.0	182.2	428.3
115.00		1.00	1.03	6.253	6.88	0.00	1.200	2.266	3.50	13.283	15.94	109.6	420.6	875.7
120.00	Bot - Section 5	1.00	1.04	6.330	6.96	0.00	1.200	2.276	5.00	18.673	22.41	156.0	591.3	1229.6
125.00		1.00	1.05	6.404	7.04	0.00	1.200	2.285	5.00	18.527	22.23	156.6	588.6	1845.4
125.50	Top - Section 4	1.00	1.05	6.411	7.05	0.00	1.200	2.286	0.50	1.833	2.20	15.5	58.8	182.9
130.00		1.00	1.07	6.476	7.12	0.00	1.200	2.294	4.50	16.337	19.60	139.7	520.8	1076.8
135.00		1.00	1.08	6.546	7.20	0.00	1.200	2.303	5.00	17.812	21.37	153.9	568.5	1173.0
140.00		1.00	1.09	6.615	7.28	0.00	1.200	2.311	5.00	17.454	20.95	152.4	558.2	1148.8
145.00		1.00	1.10	6.681	7.35	0.00	1.200	2.319	5.00	17.096	20.52	150.8	547.8	1124.3
150.00		1.00	1.11	6.746	7.42	0.00	1.200	2.327	5.00	16.738	20.09	149.1	537.2	1099.8
155.00		1.00	1.12	6.810	7.49	0.00	1.200	2.335	5.00	16.379	19.66	147.2	526.4	1075.0
157.00	Appurtenance(s)	1.00	1.12	6.835	7.52	0.00	1.200	2.338	2.00	6.451	7.74	58.2	208.8	424.4
160.00		1.00	1.13	6.872	7.56	0.00	1.200	2.342	3.00	9.569	11.48	86.8	309.3	628.4
165.00		1.00	1.14	6.933	7.63	0.00	1.200	2.349	5.00	15.662	18.79	143.3	504.5	1025.2
167.00	Appurtenance(s)	1.00	1.14	6.957	7.65	0.00	1.200	2.352	2.00	6.163	7.40	56.6	200.0	404.4
170.00		1.00	1.15	6.992	7.69	0.00	1.200	2.356	3.00	9.138	10.97	84.3	296.1	598.4
								Totals:	**170.00**			**5,137.0**		**55,646.8**

Discrete Appurtenance Forces

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	167.00	Raycap DC6-48-60-18-8F	2	6.957	7.652	0.75	0.75	2.27	207.57	0.000	0.000	17.34	0.00	0.00
2	167.00	Powerwave	3	6.957	7.652	0.56	0.75	20.14	716.53	0.000	0.000	154.15	0.00	0.00
3	167.00	Ericsson RRUS 4449	3	6.957	7.652	0.50	0.75	4.08	430.63	0.000	0.000	31.23	0.00	0.00
4	167.00	Ericsson RRUS 8843 B2	3	6.957	7.652	0.50	0.75	3.48	412.60	0.000	0.000	26.64	0.00	0.00
5	167.00	Powerwave 7770	3	6.957	7.652	0.55	0.75	11.45	716.49	0.000	0.000	87.58	0.00	0.00
6	167.00	CCI DMP65R-BU4DA	1	6.957	7.652	0.75	0.75	6.55	505.95	0.000	0.000	50.12	0.00	0.00
7	167.00	CCI DMP65R-BU6DA	2	6.957	7.652	0.55	0.75	16.15	1005.29	0.000	0.000	123.57	0.00	0.00
8	167.00	Andrew SBNHH-1D65A	1	6.957	7.652	0.75	0.75	5.53	268.83	0.000	0.000	42.30	0.00	0.00
9	167.00	CCI HPA-65R-BU6AA	2	6.957	7.652	0.59	0.75	13.46	764.54	0.000	0.000	103.01	0.00	0.00
10	167.00	RMQP-496-HK	1	6.957	7.652	1.00	1.00	89.28	5604.93	0.000	0.000	683.18	0.00	0.00
11	167.00	Powerwave	6	6.957	7.652	0.68	0.75	7.76	328.02	0.000	0.000	59.39	0.00	0.00
12	167.00	Andrew ABT-DFDM-ADBH	3	6.957	7.652	0.73	0.75	0.68	10.88	0.000	0.000	5.22	0.00	0.00
13	157.00	Top rail kit	1	6.835	7.518	1.00	1.00	13.20	-938.60	0.000	0.000	99.23	0.00	0.00
14	157.00	Antel	3	6.835	7.518	0.58	0.75	15.95	616.08	0.000	0.000	119.90	0.00	0.00
15	157.00	Kicker Kit	1	6.835	7.518	1.00	1.00	11.60	-1491.18	0.000	0.000	87.22	0.00	0.00
16	157.00	12' Low Profile Platform	1	6.835	7.518	1.00	1.00	45.66	3253.19	0.000	0.000	343.26	0.00	0.00
17	157.00	RFS DB-C1-12C-24AB-0Z	1	6.835	7.518	1.04	0.75	2.54	103.67	0.000	0.000	19.09	0.00	0.00
18	157.00	Samsung RFV01U-D2A	3	6.835	7.518	0.58	0.75	4.52	521.12	0.000	0.000	33.99	0.00	0.00
19	157.00	Samsung RFV01U-D1A	3	6.835	7.518	0.62	0.75	4.87	633.96	0.000	0.000	36.64	0.00	0.00
20	157.00	Samsung 64T64R	3	6.835	7.518	0.52	0.75	9.31	852.84	0.000	0.000	69.97	0.00	0.00
21	157.00	Commscope	6	6.835	7.518	0.62	0.75	36.44	1758.63	0.000	0.000	274.00	0.00	0.00
							Totals:		**16,281.94**			**2,467.03**		

Total Applied Force Summary

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 24

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		146.18	2243.30	0.00	0.00
10.00		144.69	2258.32	0.00	0.00
15.00		142.98	2255.22	0.00	0.00
20.00		141.19	2244.19	0.00	0.00
25.00		139.34	2228.59	0.00	0.00
30.00		137.57	2209.98	0.00	0.00
35.00		141.77	2189.23	0.00	0.00
40.00		145.19	2166.84	0.00	0.00
42.75		80.46	1182.09	0.00	0.00
45.00		67.06	1434.00	0.00	0.00
50.00		151.97	3155.15	0.00	0.00
55.00		153.84	1915.67	0.00	0.00
60.00		155.32	1892.95	0.00	0.00
65.00		156.45	1869.60	0.00	0.00
70.00		157.28	1845.70	0.00	0.00
75.00		157.84	1821.32	0.00	0.00
80.00		158.15	1796.50	0.00	0.00
85.00		158.23	1771.30	0.00	0.00
86.50		47.17	527.27	0.00	0.00
90.00		111.81	1855.42	0.00	0.00
92.75		87.66	1443.32	0.00	0.00
95.00		71.58	781.40	0.00	0.00
100.00		159.40	1715.14	0.00	0.00
105.00		158.78	1688.76	0.00	0.00
110.00		158.00	1662.14	0.00	0.00
111.50		47.01	494.40	0.00	0.00
115.00		109.64	1029.97	0.00	0.00
120.00		156.02	1449.90	0.00	0.00
125.00		156.62	2065.74	0.00	0.00
125.50		15.51	204.94	0.00	0.00
130.00		139.65	1275.09	0.00	0.00
135.00		153.92	1393.35	0.00	0.00
140.00		152.40	1369.08	0.00	0.00
145.00		150.78	1344.65	0.00	0.00
150.00		149.05	1320.08	0.00	0.00
155.00		147.23	1295.36	0.00	0.00
157.00	(22) attachments	1141.50	5822.19	0.00	0.00
160.00		86.80	693.02	0.00	0.00
165.00		143.32	1132.85	0.00	0.00
167.00	(30) attachments	1440.32	11419.71	0.00	0.00
170.00		84.34	598.39	0.00	0.00
	Totals:	**7,604.03**	**79,062.11**	**0.00**	**0.00**

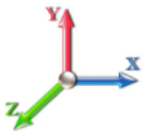
Calculated Forces

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-79.06	-7.63	0.00	-923.18	0.00	923.18	4409.44	2204.72	10577.3	5296.53	0.00	0.000	0.000	0.192
5.00	-76.81	-7.55	0.00	-885.02	0.00	885.02	4373.55	2186.77	10335.0	5175.19	0.02	-0.043	0.000	0.189
10.00	-74.55	-7.45	0.00	-847.29	0.00	847.29	4336.78	2168.39	10093.2	5054.11	0.09	-0.086	0.000	0.185
15.00	-72.29	-7.36	0.00	-810.02	0.00	810.02	4299.12	2149.56	9852.03	4933.34	0.21	-0.130	0.000	0.181
20.00	-70.04	-7.27	0.00	-773.22	0.00	773.22	4260.58	2130.29	9611.54	4812.91	0.36	-0.173	0.000	0.177
25.00	-67.80	-7.17	0.00	-736.88	0.00	736.88	4221.16	2110.58	9371.84	4692.89	0.57	-0.216	0.000	0.173
30.00	-65.59	-7.07	0.00	-701.03	0.00	701.03	4180.86	2090.43	9133.04	4573.31	0.82	-0.260	0.000	0.169
35.00	-63.39	-6.97	0.00	-665.66	0.00	665.66	4139.68	2069.84	8895.22	4454.22	1.11	-0.303	0.000	0.165
40.00	-61.22	-6.85	0.00	-630.81	0.00	630.81	4097.62	2048.81	8658.48	4335.68	1.45	-0.346	0.000	0.160
42.75	-60.04	-6.78	0.00	-611.98	0.00	611.98	4074.11	2037.05	8528.77	4270.73	1.66	-0.369	0.000	0.158
45.00	-58.60	-6.74	0.00	-596.72	0.00	596.72	4054.67	2027.34	8422.92	4217.72	1.84	-0.389	0.000	0.156
50.00	-55.44	-6.60	0.00	-563.04	0.00	563.04	3121.16	1560.58	6469.05	3239.33	2.27	-0.431	0.000	0.192
55.00	-53.53	-6.48	0.00	-530.02	0.00	530.02	3092.99	1546.50	6300.19	3154.78	2.74	-0.474	0.000	0.185
60.00	-51.63	-6.35	0.00	-497.63	0.00	497.63	3063.94	1531.97	6131.59	3070.35	3.27	-0.522	0.000	0.179
65.00	-49.76	-6.22	0.00	-465.89	0.00	465.89	3034.01	1517.01	5963.32	2986.09	3.84	-0.569	0.000	0.172
70.00	-47.91	-6.08	0.00	-434.82	0.00	434.82	3003.20	1501.60	5795.50	2902.06	4.46	-0.616	0.000	0.166
75.00	-46.08	-5.94	0.00	-404.43	0.00	404.43	2971.51	1485.76	5628.21	2818.29	5.13	-0.662	0.000	0.159
80.00	-44.28	-5.79	0.00	-374.75	0.00	374.75	2938.94	1469.47	5461.54	2734.83	5.85	-0.708	0.000	0.152
85.00	-42.51	-5.63	0.00	-345.79	0.00	345.79	2905.48	1452.74	5295.59	2651.73	6.61	-0.752	0.000	0.145
86.50	-41.98	-5.59	0.00	-337.34	0.00	337.34	2895.27	1447.64	5245.96	2626.88	6.85	-0.765	0.000	0.143
90.00	-40.13	-5.48	0.00	-317.77	0.00	317.77	2871.14	1435.57	5130.46	2569.04	7.42	-0.796	0.000	0.138
92.75	-38.68	-5.38	0.00	-302.71	0.00	302.71	2877.20	1438.60	5159.24	2583.45	7.89	-0.819	0.000	0.131
95.00	-37.90	-5.32	0.00	-290.60	0.00	290.60	2861.53	1430.77	5085.14	2546.35	8.28	-0.838	0.000	0.127
100.00	-36.18	-5.16	0.00	-264.01	0.00	264.01	2826.07	1413.04	4921.19	2464.25	9.18	-0.877	0.000	0.120
105.00	-34.49	-4.99	0.00	-238.22	0.00	238.22	2789.73	1394.87	4758.26	2382.67	10.12	-0.915	0.000	0.112
110.00	-32.83	-4.82	0.00	-213.25	0.00	213.25	2752.51	1376.25	4596.46	2301.65	11.10	-0.951	0.000	0.105
111.50	-32.34	-4.78	0.00	-206.02	0.00	206.02	2741.17	1370.58	4548.16	2277.46	11.40	-0.961	0.000	0.102
111.50	-32.34	-4.78	0.00	-206.02	0.00	206.02	2001.40	1000.70	3331.01	1667.98	11.40	-0.961	0.000	0.140
115.00	-31.31	-4.67	0.00	-189.30	0.00	189.30	1985.76	992.88	3255.34	1630.09	12.11	-0.985	0.000	0.132
120.00	-29.86	-4.51	0.00	-165.96	0.00	165.96	1962.68	981.34	3147.40	1576.04	13.16	-1.025	0.000	0.121
125.00	-27.79	-4.32	0.00	-143.43	0.00	143.43	1938.71	969.36	3039.72	1522.12	14.26	-1.062	0.000	0.109
125.50	-27.59	-4.31	0.00	-141.27	0.00	141.27	1950.32	975.16	3091.33	1547.96	14.37	-1.066	0.000	0.105
130.00	-26.31	-4.16	0.00	-121.87	0.00	121.87	1928.38	964.19	2994.57	1499.51	15.39	-1.096	0.000	0.095
135.00	-24.92	-3.99	0.00	-101.07	0.00	101.07	1903.16	951.58	2887.43	1445.86	16.55	-1.126	0.000	0.083
140.00	-23.55	-3.82	0.00	-81.11	0.00	81.11	1877.06	938.53	2780.79	1392.46	17.75	-1.152	0.000	0.071
145.00	-22.21	-3.65	0.00	-62.00	0.00	62.00	1850.08	925.04	2674.74	1339.36	18.97	-1.173	0.000	0.058
150.00	-20.89	-3.48	0.00	-43.74	0.00	43.74	1822.21	911.11	2569.37	1286.60	20.20	-1.191	0.000	0.045
155.00	-19.60	-3.31	0.00	-26.33	0.00	26.33	1793.47	896.74	2464.78	1234.22	21.46	-1.203	0.000	0.032
157.00	-13.80	-2.05	0.00	-19.72	0.00	19.72	1781.73	890.86	2423.19	1213.40	21.96	-1.206	0.000	0.024
160.00	-13.11	-1.95	0.00	-13.58	0.00	13.58	1763.85	881.92	2361.07	1182.29	22.72	-1.210	0.000	0.019
165.00	-11.98	-1.78	0.00	-3.85	0.00	3.85	1733.34	866.67	2258.33	1130.84	23.99	-1.214	0.000	0.010
167.00	-0.60	-0.10	0.00	-0.29	0.00	0.29	1720.89	860.44	2217.52	1110.41	24.50	-1.214	0.000	0.001
170.00	0.00	-0.08	0.00	0.00	0.00	0.00	1701.95	850.98	2156.64	1079.93	25.26	-1.214	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 20

Load Case:	1.2D + 1.0E							**Iterations**	22
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35		**SA**	0.04	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1171.7	0.00	0.03	0.02	18.94	
10.00		1154.3	0.01	0.05	0.03	27.94	
15.00		1136.8	0.01	0.06	0.04	32.41	
20.00		1119.3	0.03	0.07	0.04	34.57	
25.00		1101.9	0.04	0.07	0.04	35.55	
30.00		1084.4	0.06	0.07	0.04	35.99	
35.00		1066.9	0.08	0.07	0.04	36.22	
40.00		1049.5	0.10	0.07	0.04	36.40	
42.75	Bot - Section 2	569.78	0.12	0.07	0.03	19.99	
45.00		852.69	0.13	0.07	0.03	30.17	
50.00	Top - Section 1	1871.6	0.16	0.07	0.03	67.24	
55.00		842.52	0.20	0.06	0.02	30.39	
60.00		827.97	0.24	0.06	0.02	29.36	
65.00		813.42	0.28	0.05	0.01	27.39	
70.00		798.86	0.32	0.04	0.01	24.14	
75.00		784.31	0.37	0.03	0.01	19.33	
80.00		769.75	0.42	0.01	0.01	12.89	
85.00		755.20	0.47	-0.01	0.01	5.10	
86.50	Bot - Section 3	223.72	0.49	-0.01	0.01	0.77	
90.00		1041.2	0.53	-0.03	0.01	-4.66	
92.75	Top - Section 2	808.10	0.56	-0.04	0.01	-8.63	
95.00		329.68	0.59	-0.05	0.01	-5.13	
100.00		722.08	0.65	-0.07	0.02	-18.02	
105.00		707.52	0.72	-0.09	0.03	-22.27	
110.00		692.97	0.79	-0.11	0.05	-23.85	
111.50	Top - Section 3	205.05	0.81	-0.11	0.06	-7.08	
115.00		379.28	0.86	-0.12	0.07	-12.69	
120.00	Bot - Section 5	531.93	0.94	-0.12	0.10	-15.18	
125.00		1047.3	1.02	-0.10	0.14	-20.63	
125.50	Top - Section 4	103.45	1.03	-0.10	0.15	-1.92	
130.00		463.33	1.11	-0.07	0.19	-3.22	
135.00		503.75	1.19	0.00	0.25	4.87	
140.00		492.11	1.28	0.10	0.32	14.84	
145.00		480.46	1.37	0.24	0.41	26.23	
150.00		468.82	1.47	0.43	0.51	38.91	
155.00		457.18	1.57	0.69	0.63	52.77	
157.00	Appurtenance(s)	3171.9	1.61	0.82	0.69	410.95	
160.00		265.92	1.67	1.03	0.78	40.42	
165.00		433.89	1.78	1.45	0.94	83.63	
167.00	Appurtenance(s)	3865.1	1.82	1.65	1.02	812.67	
170.00		251.95	1.89	1.98	1.14	59.91	
	Totals:	**35,418.1**				**1,926.7**	**Total Wind:** **22,740.0**

Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

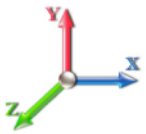
Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Load Case:	1.2D + 1.0E							**Iterations**	22
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35	**SA**	0.04	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-49.63	-2.07	0.00	-286.06	0.00	286.06	4409.44	2204.72	10577.3	5296.53		0.00	0.00	0.065
5.00	-48.01	-2.07	0.00	-275.69	0.00	275.69	4373.55	2186.77	10335.0	5175.19		0.01	-0.01	0.064
10.00	-46.40	-2.05	0.00	-265.36	0.00	265.36	4336.78	2168.39	10093.2	5054.11		0.03	-0.03	0.063
15.00	-44.82	-2.03	0.00	-255.11	0.00	255.11	4299.12	2149.56	9852.03	4933.34		0.06	-0.04	0.062
20.00	-43.25	-2.00	0.00	-244.98	0.00	244.98	4260.58	2130.29	9611.54	4812.91		0.11	-0.05	0.061
25.00	-41.71	-1.97	0.00	-234.97	0.00	234.97	4221.16	2110.58	9371.84	4692.89		0.18	-0.07	0.060
30.00	-40.19	-1.95	0.00	-225.11	0.00	225.11	4180.86	2090.43	9133.04	4573.31		0.26	-0.08	0.059
35.00	-38.69	-1.92	0.00	-215.38	0.00	215.38	4139.68	2069.84	8895.22	4454.22		0.35	-0.10	0.058
40.00	-37.21	-1.88	0.00	-205.80	0.00	205.80	4097.62	2048.81	8658.48	4335.68		0.46	-0.11	0.057
42.75	-36.40	-1.87	0.00	-200.61	0.00	200.61	4074.11	2037.05	8528.77	4270.73		0.52	-0.12	0.056
45.00	-35.28	-1.84	0.00	-196.41	0.00	196.41	4054.67	2027.34	8422.92	4217.72		0.58	-0.12	0.055
50.00	-32.81	-1.78	0.00	-187.21	0.00	187.21	3121.16	1560.58	6469.05	3239.33		0.72	-0.14	0.068
55.00	-31.58	-1.75	0.00	-178.33	0.00	178.33	3092.99	1546.50	6300.19	3154.78		0.87	-0.15	0.067
60.00	-30.37	-1.73	0.00	-169.57	0.00	169.57	3063.94	1531.97	6131.59	3070.35		1.04	-0.17	0.065
65.00	-29.17	-1.70	0.00	-160.93	0.00	160.93	3034.01	1517.01	5963.32	2986.09		1.22	-0.18	0.064
70.00	-27.99	-1.68	0.00	-152.41	0.00	152.41	3003.20	1501.60	5795.50	2902.06		1.42	-0.20	0.062
75.00	-26.83	-1.67	0.00	-143.99	0.00	143.99	2971.51	1485.76	5628.21	2818.29		1.64	-0.22	0.060
80.00	-25.68	-1.66	0.00	-135.65	0.00	135.65	2938.94	1469.47	5461.54	2734.83		1.88	-0.23	0.058
85.00	-24.56	-1.65	0.00	-127.36	0.00	127.36	2905.48	1452.74	5295.59	2651.73		2.13	-0.25	0.056
86.50	-24.22	-1.65	0.00	-124.88	0.00	124.88	2895.27	1447.64	5245.96	2626.88		2.21	-0.25	0.056
90.00	-22.82	-1.65	0.00	-119.09	0.00	119.09	2871.14	1435.57	5130.46	2569.04		2.40	-0.27	0.054
92.75	-21.73	-1.65	0.00	-114.55	0.00	114.55	2877.20	1438.60	5159.24	2583.45		2.56	-0.27	0.052
95.00	-21.23	-1.65	0.00	-110.84	0.00	110.84	2861.53	1430.77	5085.14	2546.35		2.69	-0.28	0.051
100.00	-20.14	-1.65	0.00	-102.58	0.00	102.58	2826.07	1413.04	4921.19	2464.25		2.99	-0.30	0.049
105.00	-19.08	-1.65	0.00	-94.32	0.00	94.32	2789.73	1394.87	4758.26	2382.67		3.31	-0.31	0.046
110.00	-18.02	-1.65	0.00	-86.07	0.00	86.07	2752.51	1376.25	4596.46	2301.65		3.65	-0.33	0.044
111.50	-17.71	-1.65	0.00	-83.60	0.00	83.60	2741.17	1370.58	4548.16	2277.46		3.75	-0.33	0.043
111.50	-17.71	-1.65	0.00	-83.60	0.00	83.60	2001.40	1000.70	3331.01	1667.98		3.75	-0.33	0.059
115.00	-17.10	-1.65	0.00	-77.83	0.00	77.83	1985.76	992.88	3255.34	1630.09		4.00	-0.34	0.056
120.00	-16.24	-1.65	0.00	-69.59	0.00	69.59	1962.68	981.34	3147.40	1576.04		4.36	-0.36	0.052
125.00	-14.76	-1.64	0.00	-61.35	0.00	61.35	1938.71	969.36	3039.72	1522.12		4.74	-0.37	0.048
125.50	-14.62	-1.64	0.00	-60.53	0.00	60.53	1950.32	975.16	3091.33	1547.96		4.78	-0.37	0.047
130.00	-13.86	-1.64	0.00	-53.14	0.00	53.14	1928.38	964.19	2994.57	1499.51		5.14	-0.39	0.043
135.00	-13.04	-1.63	0.00	-44.95	0.00	44.95	1903.16	951.58	2887.43	1445.86		5.55	-0.40	0.038
140.00	-12.23	-1.61	0.00	-36.78	0.00	36.78	1877.06	938.53	2780.79	1392.46		5.98	-0.41	0.033
145.00	-11.43	-1.58	0.00	-28.72	0.00	28.72	1850.08	925.04	2674.74	1339.36		6.42	-0.42	0.028
150.00	-10.65	-1.54	0.00	-20.80	0.00	20.80	1822.21	911.11	2569.37	1286.60		6.86	-0.43	0.022
155.00	-9.88	-1.48	0.00	-13.09	0.00	13.09	1793.47	896.74	2464.78	1234.22		7.32	-0.44	0.016
157.00	-5.99	-1.04	0.00	-10.13	0.00	10.13	1781.73	890.86	2423.19	1213.40		7.50	-0.44	0.012
160.00	-5.60	-1.00	0.00	-7.00	0.00	7.00	1763.85	881.92	2361.07	1182.29		7.77	-0.44	0.009
165.00	-4.98	-0.91	0.00	-2.01	0.00	2.01	1733.34	866.67	2258.33	1130.84		8.24	-0.44	0.005
167.00	-0.30	-0.06	0.00	-0.19	0.00	0.19	1720.89	860.44	2217.52	1110.41		8.42	-0.44	0.000
170.00	0.00	-0.06	0.00	0.00	0.00	0.00	1701.95	850.98	2156.64	1079.93		8.70	-0.44	0.000

Seismic Segment Forces (Factored)

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 22

Load Case:	0.9D + 1.0E							**Iterations**	22
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35	**SA**	0.04		**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1171.7	0.00	0.03	0.02	18.94	
10.00		1154.3	0.01	0.05	0.03	27.94	
15.00		1136.8	0.01	0.06	0.04	32.41	
20.00		1119.3	0.03	0.07	0.04	34.57	
25.00		1101.9	0.04	0.07	0.04	35.55	
30.00		1084.4	0.06	0.07	0.04	35.99	
35.00		1066.9	0.08	0.07	0.04	36.22	
40.00		1049.5	0.10	0.07	0.04	36.40	
42.75	Bot - Section 2	569.78	0.12	0.07	0.03	19.99	
45.00		852.69	0.13	0.07	0.03	30.17	
50.00	Top - Section 1	1871.6	0.16	0.07	0.03	67.24	
55.00		842.52	0.20	0.06	0.02	30.39	
60.00		827.97	0.24	0.06	0.02	29.36	
65.00		813.42	0.28	0.05	0.01	27.39	
70.00		798.86	0.32	0.04	0.01	24.14	
75.00		784.31	0.37	0.03	0.01	19.33	
80.00		769.75	0.42	0.01	0.01	12.89	
85.00		755.20	0.47	-0.01	0.01	5.10	
86.50	Bot - Section 3	223.72	0.49	-0.01	0.01	0.77	
90.00		1041.2	0.53	-0.03	0.01	-4.66	
92.75	Top - Section 2	808.10	0.56	-0.04	0.01	-8.63	
95.00		329.68	0.59	-0.05	0.01	-5.13	
100.00		722.08	0.65	-0.07	0.02	-18.02	
105.00		707.52	0.72	-0.09	0.03	-22.27	
110.00		692.97	0.79	-0.11	0.05	-23.85	
111.50	Top - Section 3	205.05	0.81	-0.11	0.06	-7.08	
115.00		379.28	0.86	-0.12	0.07	-12.69	
120.00	Bot - Section 5	531.93	0.94	-0.12	0.10	-15.18	
125.00		1047.3	1.02	-0.10	0.14	-20.63	
125.50	Top - Section 4	103.45	1.03	-0.10	0.15	-1.92	
130.00		463.33	1.11	-0.07	0.19	-3.22	
135.00		503.75	1.19	0.00	0.25	4.87	
140.00		492.11	1.28	0.10	0.32	14.84	
145.00		480.46	1.37	0.24	0.41	26.23	
150.00		468.82	1.47	0.43	0.51	38.91	
155.00		457.18	1.57	0.69	0.63	52.77	
157.00	Appurtenance(s)	3171.9	1.61	0.82	0.69	410.95	
160.00		265.92	1.67	1.03	0.78	40.42	
165.00		433.89	1.78	1.45	0.94	83.63	
167.00	Appurtenance(s)	3865.1	1.82	1.65	1.02	812.67	
170.00		251.95	1.89	1.98	1.14	59.91	
	Totals:	**35,418.1**				**1,926.7**	**Total Wind:** **22,740.0**

Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 23

Load Case:	0.9D + 1.0E							**Iterations**	22
Gust Response Factor	1.10			**Sds**	0.19			**Ss**	0.18
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**S1**	0.07
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.35	**SA**	0.04	**Seismic Importance Factor**			1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-37.23	-2.07	0.00	-282.61	0.00	282.61	4409.44	2204.72	10577.3	5296.53		0.00	0.00	0.062
5.00	-36.01	-2.06	0.00	-272.24	0.00	272.24	4373.55	2186.77	10335.0	5175.19		0.01	-0.01	0.061
10.00	-34.80	-2.04	0.00	-261.93	0.00	261.93	4336.78	2168.39	10093.2	5054.11		0.03	-0.03	0.060
15.00	-33.61	-2.02	0.00	-251.72	0.00	251.72	4299.12	2149.56	9852.03	4933.34		0.06	-0.04	0.059
20.00	-32.44	-1.99	0.00	-241.64	0.00	241.64	4260.58	2130.29	9611.54	4812.91		0.11	-0.05	0.058
25.00	-31.28	-1.96	0.00	-231.69	0.00	231.69	4221.16	2110.58	9371.84	4692.89		0.18	-0.07	0.057
30.00	-30.14	-1.93	0.00	-221.89	0.00	221.89	4180.86	2090.43	9133.04	4573.31		0.25	-0.08	0.056
35.00	-29.01	-1.90	0.00	-212.24	0.00	212.24	4139.68	2069.84	8895.22	4454.22		0.35	-0.09	0.055
40.00	-27.90	-1.87	0.00	-202.75	0.00	202.75	4097.62	2048.81	8658.48	4335.68		0.45	-0.11	0.054
42.75	-27.30	-1.85	0.00	-197.62	0.00	197.62	4074.11	2037.05	8528.77	4270.73		0.52	-0.12	0.053
45.00	-26.46	-1.82	0.00	-193.47	0.00	193.47	4054.67	2027.34	8422.92	4217.72		0.57	-0.12	0.052
50.00	-24.61	-1.75	0.00	-184.36	0.00	184.36	3121.16	1560.58	6469.05	3239.33		0.71	-0.14	0.065
55.00	-23.68	-1.73	0.00	-175.59	0.00	175.59	3092.99	1546.50	6300.19	3154.78		0.86	-0.15	0.063
60.00	-22.77	-1.70	0.00	-166.95	0.00	166.95	3063.94	1531.97	6131.59	3070.35		1.02	-0.17	0.062
65.00	-21.88	-1.68	0.00	-158.44	0.00	158.44	3034.01	1517.01	5963.32	2986.09		1.21	-0.18	0.060
70.00	-20.99	-1.66	0.00	-150.04	0.00	150.04	3003.20	1501.60	5795.50	2902.06		1.40	-0.20	0.059
75.00	-20.12	-1.64	0.00	-141.75	0.00	141.75	2971.51	1485.76	5628.21	2818.29		1.62	-0.21	0.057
80.00	-19.26	-1.63	0.00	-133.55	0.00	133.55	2938.94	1469.47	5461.54	2734.83		1.85	-0.23	0.055
85.00	-18.42	-1.62	0.00	-125.40	0.00	125.40	2905.48	1452.74	5295.59	2651.73		2.10	-0.25	0.054
86.50	-18.17	-1.63	0.00	-122.96	0.00	122.96	2895.27	1447.64	5245.96	2626.88		2.18	-0.25	0.053
90.00	-17.11	-1.62	0.00	-117.27	0.00	117.27	2871.14	1435.57	5130.46	2569.04		2.37	-0.26	0.052
92.75	-16.29	-1.62	0.00	-112.81	0.00	112.81	2877.20	1438.60	5159.24	2583.45		2.52	-0.27	0.049
95.00	-15.92	-1.62	0.00	-109.16	0.00	109.16	2861.53	1430.77	5085.14	2546.35		2.65	-0.28	0.048
100.00	-15.11	-1.62	0.00	-101.04	0.00	101.04	2826.07	1413.04	4921.19	2464.25		2.95	-0.29	0.046
105.00	-14.30	-1.62	0.00	-92.92	0.00	92.92	2789.73	1394.87	4758.26	2382.67		3.27	-0.31	0.044
110.00	-13.52	-1.62	0.00	-84.81	0.00	84.81	2752.51	1376.25	4596.46	2301.65		3.59	-0.32	0.042
111.50	-13.28	-1.62	0.00	-82.38	0.00	82.38	2741.17	1370.58	4548.16	2277.46		3.70	-0.33	0.041
111.50	-13.28	-1.62	0.00	-82.38	0.00	82.38	2001.40	1000.70	3331.01	1667.98		3.70	-0.33	0.056
115.00	-12.82	-1.62	0.00	-76.71	0.00	76.71	1985.76	992.88	3255.34	1630.09		3.94	-0.34	0.054
120.00	-12.18	-1.62	0.00	-68.60	0.00	68.60	1962.68	981.34	3147.40	1576.04		4.30	-0.35	0.050
125.00	-11.07	-1.62	0.00	-60.50	0.00	60.50	1938.71	969.36	3039.72	1522.12		4.67	-0.37	0.045
125.50	-10.96	-1.62	0.00	-59.69	0.00	59.69	1950.32	975.16	3091.33	1547.96		4.71	-0.37	0.044
130.00	-10.40	-1.62	0.00	-52.42	0.00	52.42	1928.38	964.19	2994.57	1499.51		5.07	-0.38	0.040
135.00	-9.78	-1.61	0.00	-44.34	0.00	44.34	1903.16	951.58	2887.43	1445.86		5.47	-0.39	0.036
140.00	-9.17	-1.59	0.00	-36.30	0.00	36.30	1877.06	938.53	2780.79	1392.46		5.89	-0.41	0.031
145.00	-8.57	-1.56	0.00	-28.35	0.00	28.35	1850.08	925.04	2674.74	1339.36		6.32	-0.42	0.026
150.00	-7.98	-1.52	0.00	-20.54	0.00	20.54	1822.21	911.11	2569.37	1286.60		6.76	-0.42	0.020
155.00	-7.41	-1.46	0.00	-12.94	0.00	12.94	1793.47	896.74	2464.78	1234.22		7.21	-0.43	0.015
157.00	-4.49	-1.03	0.00	-10.02	0.00	10.02	1781.73	890.86	2423.19	1213.40		7.39	-0.43	0.011
160.00	-4.20	-0.99	0.00	-6.93	0.00	6.93	1763.85	881.92	2361.07	1182.29		7.66	-0.43	0.008
165.00	-3.73	-0.90	0.00	-1.99	0.00	1.99	1733.34	866.67	2258.33	1130.84		8.12	-0.43	0.004
167.00	-0.23	-0.06	0.00	-0.18	0.00	0.18	1720.89	860.44	2217.52	1110.41		8.30	-0.44	0.000
170.00	0.00	-0.06	0.00	0.00	0.00	0.00	1701.95	850.98	2156.64	1079.93		8.57	-0.44	0.000

Wind Loading - Shaft

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.74	249.22	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.74	245.56	0.650	0.000	5.00	24.641	16.02	108.0	0.0	1171.8
10.00		1.00	0.70	6.129	6.74	241.90	0.650	0.000	5.00	24.276	15.78	106.4	0.0	1154.3
15.00		1.00	0.70	6.129	6.74	238.23	0.650	0.000	5.00	23.911	15.54	104.8	0.0	1136.8
20.00		1.00	0.70	6.129	6.74	234.57	0.650	0.000	5.00	23.546	15.31	103.2	0.0	1119.4
25.00		1.00	0.70	6.129	6.74	230.91	0.650	0.000	5.00	23.181	15.07	101.6	0.0	1101.9
30.00		1.00	0.70	6.134	6.75	227.34	0.650	0.000	5.00	22.816	14.83	100.1	0.0	1084.4
35.00		1.00	0.73	6.410	7.05	228.65	0.650	0.000	5.00	22.451	14.59	102.9	0.0	1067.0
40.00		1.00	0.76	6.659	7.33	229.24	0.650	0.000	5.00	22.086	14.36	105.2	0.0	1049.5
42.75	Bot - Section 2	1.00	0.78	6.787	7.47	229.30	0.650	0.000	2.75	11.992	7.79	58.2	0.0	569.8
45.00		1.00	0.79	6.887	7.58	229.24	0.650	0.000	2.25	9.849	6.40	48.5	0.0	852.7
50.00	Top - Section 1	1.00	0.81	7.098	7.81	228.78	0.650	0.000	5.00	21.621	14.05	109.7	0.0	1871.7
55.00		1.00	0.83	7.294	8.02	230.81	0.650	0.000	5.00	21.256	13.82	110.8	0.0	842.5
60.00		1.00	0.85	7.477	8.22	229.65	0.650	0.000	5.00	20.891	13.58	111.7	0.0	828.0
65.00		1.00	0.87	7.650	8.42	228.20	0.650	0.000	5.00	20.526	13.34	112.3	0.0	813.4
70.00		1.00	0.89	7.814	8.60	226.49	0.650	0.000	5.00	20.161	13.10	112.6	0.0	798.9
75.00		1.00	0.91	7.969	8.77	224.56	0.650	0.000	5.00	19.796	12.87	112.8	0.0	784.3
80.00		1.00	0.93	8.118	8.93	222.42	0.650	0.000	5.00	19.432	12.63	112.8	0.0	769.8
85.00		1.00	0.94	8.260	9.09	220.10	0.650	0.000	5.00	19.067	12.39	112.6	0.0	755.2
86.50	Bot - Section 3	1.00	0.95	8.301	9.13	219.37	0.650	0.000	1.50	5.649	3.67	33.5	0.0	223.7
90.00		1.00	0.96	8.396	9.24	217.62	0.650	0.000	3.50	13.238	8.60	79.5	0.0	1041.2
92.75	Top - Section 2	1.00	0.97	8.468	9.31	216.19	0.650	0.000	2.75	10.276	6.68	62.2	0.0	808.1
95.00		1.00	0.97	8.526	9.38	218.12	0.650	0.000	2.25	8.325	5.41	50.8	0.0	329.7
100.00		1.00	0.99	8.652	9.52	215.37	0.650	0.000	5.00	18.236	11.85	112.8	0.0	722.1
105.00		1.00	1.00	8.774	9.65	212.49	0.650	0.000	5.00	17.871	11.62	112.1	0.0	707.5
110.00		1.00	1.02	8.891	9.78	209.49	0.650	0.000	5.00	17.506	11.38	111.3	0.0	693.0
111.50	Top - Section 3	1.00	1.02	8.925	9.82	208.57	0.650	0.000	1.50	5.181	3.37	33.1	0.0	205.1
115.00		1.00	1.03	9.005	9.91	206.39	0.650	0.000	3.50	11.961	7.77	77.0	0.0	379.3
120.00	Bot - Section 5	1.00	1.04	9.115	10.03	203.18	0.650	0.000	5.00	16.777	10.90	109.3	0.0	531.9
125.00		1.00	1.05	9.222	10.14	199.87	0.650	0.000	5.00	16.623	10.81	109.6	0.0	1047.3
125.50	Top - Section 4	1.00	1.05	9.232	10.16	199.54	0.650	0.000	0.50	1.642	1.07	10.8	0.0	103.5
130.00		1.00	1.07	9.326	10.26	199.10	0.650	0.000	4.50	14.616	9.50	97.5	0.0	463.3
135.00		1.00	1.08	9.427	10.37	195.63	0.650	0.000	5.00	15.893	10.33	107.1	0.0	503.8
140.00		1.00	1.09	9.525	10.48	192.08	0.650	0.000	5.00	15.529	10.09	105.8	0.0	492.1
145.00		1.00	1.10	9.621	10.58	188.46	0.650	0.000	5.00	15.164	9.86	104.3	0.0	480.5
150.00		1.00	1.11	9.715	10.69	184.76	0.650	0.000	5.00	14.799	9.62	102.8	0.0	468.8
155.00		1.00	1.12	9.806	10.79	180.99	0.650	0.000	5.00	14.434	9.38	101.2	0.0	457.2
157.00	Appurtenance(s)	1.00	1.12	9.842	10.83	179.46	0.650	0.000	2.00	5.671	3.69	39.9	0.0	179.6
160.00		1.00	1.13	9.896	10.89	177.16	0.650	0.000	3.00	8.398	5.46	59.4	0.0	265.9
165.00		1.00	1.14	9.983	10.98	173.26	0.650	0.000	5.00	13.704	8.91	97.8	0.0	433.9
167.00	Appurtenance(s)	1.00	1.14	10.017	11.02	171.69	0.650	0.000	2.00	5.379	3.50	38.5	0.0	170.3
170.00		1.00	1.15	10.069	11.08	169.31	0.650	0.000	3.00	7.960	5.17	57.3	0.0	251.9
								Totals:	**170.00**			**3,647.7**		**28,730.9**

Discrete Appurtenance Forces

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	167.00	Raycap DC6-48-60-18-8F	2	10.017	11.019	0.75	0.75	1.38	63.60	0.000	0.000	15.21	0.00	0.00
2	167.00	Powerwave	3	10.017	11.019	0.56	0.75	13.77	159.00	0.000	0.000	151.73	0.00	0.00
3	167.00	Ericsson RRUS 4449	3	10.017	11.019	0.50	0.75	2.97	213.00	0.000	0.000	32.72	0.00	0.00
4	167.00	Ericsson RRUS 8843 B2	3	10.017	11.019	0.50	0.75	2.47	216.00	0.000	0.000	27.24	0.00	0.00
5	167.00	Powerwave 7770	3	10.017	11.019	0.55	0.75	9.03	105.00	0.000	0.000	99.54	0.00	0.00
6	167.00	CCI DMP65R-BU4DA	1	10.017	11.019	0.75	0.75	5.42	67.90	0.000	0.000	59.75	0.00	0.00
7	167.00	CCI DMP65R-BU6DA	2	10.017	11.019	0.55	0.75	13.92	158.80	0.000	0.000	153.36	0.00	0.00
8	167.00	Andrew SBNHH-1D65A	1	10.017	11.019	0.75	0.75	4.41	33.50	0.000	0.000	48.59	0.00	0.00
9	167.00	CCI HPA-65R-BU6AA	2	10.017	11.019	0.59	0.75	11.02	93.80	0.000	0.000	121.44	0.00	0.00
10	167.00	RMQP-496-HK	1	10.017	11.019	1.00	1.00	46.00	2449.00	0.000	0.000	506.88	0.00	0.00
11	167.00	Powerwave	6	10.017	11.019	0.68	0.75	3.73	132.00	0.000	0.000	41.06	0.00	0.00
12	167.00	Andrew ABT-DFDM-ADBH	3	10.017	11.019	0.73	0.75	0.11	3.30	0.000	0.000	1.21	0.00	0.00
13	157.00	Top rail kit	1	9.842	10.827	1.00	1.00	6.36	255.70	0.000	0.000	68.86	0.00	0.00
14	157.00	Antel	3	9.842	10.827	0.58	0.75	13.12	51.00	0.000	0.000	141.99	0.00	0.00
15	157.00	Kicker Kit	1	9.842	10.827	1.00	1.00	5.59	91.67	0.000	0.000	60.52	0.00	0.00
16	157.00	12' Low Profile Platform	1	9.842	10.827	1.00	1.00	22.00	1500.00	0.000	0.000	238.18	0.00	0.00
17	157.00	RFS DB-C1-12C-24AB-0Z	1	9.842	10.827	1.04	0.75	1.80	32.00	0.000	0.000	19.53	0.00	0.00
18	157.00	Samsung RFV01U-D2A	3	9.842	10.827	0.58	0.75	3.26	246.00	0.000	0.000	35.26	0.00	0.00
19	157.00	Samsung RFV01U-D1A	3	9.842	10.827	0.62	0.75	3.51	292.50	0.000	0.000	38.01	0.00	0.00
20	157.00	Samsung 64T64R	3	9.842	10.827	0.52	0.75	7.40	261.30	0.000	0.000	80.14	0.00	0.00
21	157.00	Commscope	6	9.842	10.827	0.62	0.75	30.18	262.20	0.000	0.000	326.73	0.00	0.00
							Totals:		**6,687.27**			**2,267.98**		

Total Applied Force Summary

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 26

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 23

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		107.98	1355.36	0.00	0.00
10.00		106.38	1337.90	0.00	0.00
15.00		104.78	1320.43	0.00	0.00
20.00		103.18	1302.97	0.00	0.00
25.00		101.58	1285.50	0.00	0.00
30.00		100.07	1268.04	0.00	0.00
35.00		102.90	1250.57	0.00	0.00
40.00		105.16	1233.10	0.00	0.00
42.75		58.19	670.76	0.00	0.00
45.00		48.50	935.31	0.00	0.00
50.00		109.72	2055.25	0.00	0.00
55.00		110.85	1026.12	0.00	0.00
60.00		111.69	1011.57	0.00	0.00
65.00		112.28	997.02	0.00	0.00
70.00		112.64	982.46	0.00	0.00
75.00		112.80	967.91	0.00	0.00
80.00		112.78	953.35	0.00	0.00
85.00		112.60	938.80	0.00	0.00
86.50		33.53	278.80	0.00	0.00
90.00		79.47	1169.74	0.00	0.00
92.75		62.22	909.08	0.00	0.00
95.00		50.75	412.30	0.00	0.00
100.00		112.82	905.68	0.00	0.00
105.00		112.11	891.12	0.00	0.00
110.00		111.29	876.57	0.00	0.00
111.50		33.06	260.13	0.00	0.00
115.00		77.01	507.80	0.00	0.00
120.00		109.33	715.53	0.00	0.00
125.00		109.61	1230.93	0.00	0.00
125.50		10.84	121.81	0.00	0.00
130.00		97.46	628.57	0.00	0.00
135.00		107.12	687.35	0.00	0.00
140.00		105.76	675.71	0.00	0.00
145.00		104.31	664.06	0.00	0.00
150.00		102.79	652.42	0.00	0.00
155.00		101.20	640.78	0.00	0.00
157.00	(22) attachments	1049.13	3245.42	0.00	0.00
160.00		59.42	319.74	0.00	0.00
165.00		97.82	523.59	0.00	0.00
167.00	(30) attachments	1297.28	3901.07	0.00	0.00
170.00		57.30	251.95	0.00	0.00
	Totals:	**5,915.70**	**41,362.58**	**0.00**	**0.00**

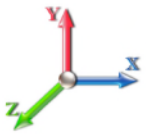
Calculated Forces

Structure:	CT11709-S	**Code:**	EIA/TIA-222-G	8/10/2021	
Site Name:	Barkhamsted, CT	**Exposure:**	B		
Height:	170.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 23

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-41.36	-5.93	0.00	-710.68	0.00	710.68	4409.44	2204.72	10577.3	5296.53	0.00	0.000	0.000	0.144
5.00	-40.00	-5.84	0.00	-681.04	0.00	681.04	4373.55	2186.77	10335.0	5175.19	0.02	-0.033	0.000	0.141
10.00	-38.66	-5.76	0.00	-651.83	0.00	651.83	4336.78	2168.39	10093.2	5054.11	0.07	-0.067	0.000	0.138
15.00	-37.34	-5.67	0.00	-623.05	0.00	623.05	4299.12	2149.56	9852.03	4933.34	0.16	-0.100	0.000	0.135
20.00	-36.03	-5.59	0.00	-594.69	0.00	594.69	4260.58	2130.29	9611.54	4812.91	0.28	-0.133	0.000	0.132
25.00	-34.74	-5.50	0.00	-566.76	0.00	566.76	4221.16	2110.58	9371.84	4692.89	0.44	-0.166	0.000	0.129
30.00	-33.47	-5.42	0.00	-539.25	0.00	539.25	4180.86	2090.43	9133.04	4573.31	0.63	-0.200	0.000	0.126
35.00	-32.22	-5.33	0.00	-512.16	0.00	512.16	4139.68	2069.84	8895.22	4454.22	0.86	-0.233	0.000	0.123
40.00	-30.98	-5.23	0.00	-485.52	0.00	485.52	4097.62	2048.81	8658.48	4335.68	1.12	-0.266	0.000	0.120
42.75	-30.31	-5.18	0.00	-471.13	0.00	471.13	4074.11	2037.05	8528.77	4270.73	1.28	-0.284	0.000	0.118
45.00	-29.37	-5.14	0.00	-459.48	0.00	459.48	4054.67	2027.34	8422.92	4217.72	1.42	-0.299	0.000	0.116
50.00	-27.32	-5.03	0.00	-433.79	0.00	433.79	3121.16	1560.58	6469.05	3239.33	1.75	-0.332	0.000	0.143
55.00	-26.29	-4.93	0.00	-408.62	0.00	408.62	3092.99	1546.50	6300.19	3154.78	2.11	-0.365	0.000	0.138
60.00	-25.27	-4.83	0.00	-383.97	0.00	383.97	3063.94	1531.97	6131.59	3070.35	2.51	-0.402	0.000	0.133
65.00	-24.28	-4.73	0.00	-359.82	0.00	359.82	3034.01	1517.01	5963.32	2986.09	2.95	-0.438	0.000	0.129
70.00	-23.29	-4.62	0.00	-336.19	0.00	336.19	3003.20	1501.60	5795.50	2902.06	3.43	-0.475	0.000	0.124
75.00	-22.32	-4.51	0.00	-313.10	0.00	313.10	2971.51	1485.76	5628.21	2818.29	3.95	-0.510	0.000	0.119
80.00	-21.37	-4.40	0.00	-290.54	0.00	290.54	2938.94	1469.47	5461.54	2734.83	4.50	-0.545	0.000	0.114
85.00	-20.43	-4.29	0.00	-268.52	0.00	268.52	2905.48	1452.74	5295.59	2651.73	5.09	-0.580	0.000	0.108
86.50	-20.15	-4.26	0.00	-262.08	0.00	262.08	2895.27	1447.64	5245.96	2626.88	5.28	-0.590	0.000	0.107
90.00	-18.98	-4.17	0.00	-247.18	0.00	247.18	2871.14	1435.57	5130.46	2569.04	5.72	-0.614	0.000	0.103
92.75	-18.07	-4.11	0.00	-235.70	0.00	235.70	2877.20	1438.60	5159.24	2583.45	6.08	-0.632	0.000	0.098
95.00	-17.65	-4.06	0.00	-226.46	0.00	226.46	2861.53	1430.77	5085.14	2546.35	6.38	-0.647	0.000	0.095
100.00	-16.75	-3.94	0.00	-206.16	0.00	206.16	2826.07	1413.04	4921.19	2464.25	7.07	-0.677	0.000	0.090
105.00	-15.86	-3.83	0.00	-186.44	0.00	186.44	2789.73	1394.87	4758.26	2382.67	7.80	-0.707	0.000	0.084
110.00	-14.98	-3.71	0.00	-167.29	0.00	167.29	2752.51	1376.25	4596.46	2301.65	8.55	-0.735	0.000	0.078
111.50	-14.72	-3.68	0.00	-161.72	0.00	161.72	2741.17	1370.58	4548.16	2277.46	8.78	-0.743	0.000	0.076
111.50	-14.72	-3.68	0.00	-161.72	0.00	161.72	2001.40	1000.70	3331.01	1667.98	8.78	-0.743	0.000	0.104
115.00	-14.21	-3.60	0.00	-148.84	0.00	148.84	1985.76	992.88	3255.34	1630.09	9.34	-0.762	0.000	0.098
120.00	-13.50	-3.49	0.00	-130.83	0.00	130.83	1962.68	981.34	3147.40	1576.04	10.15	-0.793	0.000	0.090
125.00	-12.27	-3.37	0.00	-113.38	0.00	113.38	1938.71	969.36	3039.72	1522.12	11.00	-0.823	0.000	0.081
125.50	-12.14	-3.36	0.00	-111.69	0.00	111.69	1950.32	975.16	3091.33	1547.96	11.08	-0.825	0.000	0.078
130.00	-11.51	-3.26	0.00	-96.59	0.00	96.59	1928.38	964.19	2994.57	1499.51	11.87	-0.850	0.000	0.070
135.00	-10.83	-3.14	0.00	-80.31	0.00	80.31	1903.16	951.58	2887.43	1445.86	12.78	-0.873	0.000	0.061
140.00	-10.15	-3.03	0.00	-64.60	0.00	64.60	1877.06	938.53	2780.79	1392.46	13.70	-0.894	0.000	0.052
145.00	-9.49	-2.92	0.00	-49.46	0.00	49.46	1850.08	925.04	2674.74	1339.36	14.65	-0.911	0.000	0.042
150.00	-8.84	-2.81	0.00	-34.87	0.00	34.87	1822.21	911.11	2569.37	1286.60	15.61	-0.925	0.000	0.032
155.00	-8.20	-2.70	0.00	-20.84	0.00	20.84	1793.47	896.74	2464.78	1234.22	16.58	-0.934	0.000	0.021
157.00	-4.97	-1.59	0.00	-15.45	0.00	15.45	1781.73	890.86	2423.19	1213.40	16.98	-0.937	0.000	0.016
160.00	-4.65	-1.53	0.00	-10.67	0.00	10.67	1763.85	881.92	2361.07	1182.29	17.57	-0.940	0.000	0.012
165.00	-4.13	-1.42	0.00	-3.03	0.00	3.03	1733.34	866.67	2258.33	1130.84	18.55	-0.943	0.000	0.005
167.00	-0.25	-0.06	0.00	-0.18	0.00	0.18	1720.89	860.44	2217.52	1110.41	18.95	-0.943	0.000	0.000
170.00	0.00	-0.06	0.00	0.00	0.00	0.00	1701.95	850.98	2156.64	1079.93	19.54	-0.943	0.000	0.000

Final Analysis Summary

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 28

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 93 mph Wind	22.8	0.00	49.61	0.00	0.00	2751.08
0.9D + 1.6W 93 mph Wind	22.8	0.00	37.20	0.00	0.00	2720.27
1.2D + 1.0Di + 1.0Wi 50 mph Wind	7.6	0.00	79.06	0.00	0.00	923.18
1.2D + 1.0E	2.1	0.00	49.63	0.00	0.00	286.06
0.9D + 1.0E	2.1	0.00	37.23	0.00	0.00	282.61
1.0D + 1.0W 60 mph Wind	5.9	0.00	41.36	0.00	0.00	710.68

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 93 mph Wind	-49.61	-22.80	0.00	-2751.0	0.00	-2751.0	4409.44	2204.7	10577.3	5296.53	0.00	0.531
0.9D + 1.6W 93 mph Wind	-37.20	-22.78	0.00	-2720.2	0.00	-2720.2	4409.44	2204.7	10577.3	5296.53	0.00	0.522
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-79.06	-7.63	0.00	-923.18	0.00	-923.18	4409.44	2204.7	10577.3	5296.53	0.00	0.192
1.2D + 1.0E	-32.81	-1.78	0.00	-187.21	0.00	-187.21	3121.16	1560.5	6469.05	3239.33	50.00	0.068
0.9D + 1.0E	-24.61	-1.75	0.00	-184.36	0.00	-184.36	3121.16	1560.5	6469.05	3239.33	50.00	0.065
1.0D + 1.0W 60 mph Wind	-41.36	-5.93	0.00	-710.68	0.00	-710.68	4409.44	2204.7	10577.3	5296.53	0.00	0.144

Base Plate Summary

Structure:	CT11709-S		**Code:**	EIA/TIA-222-G	8/10/2021
Site Name:	Barkhamsted, CT		**Exposure:**	B	
Height:	170.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 29

Reactions	
Original Design	
Moment (kip-ft):	4200.00
Axial (kip):	51.00
Shear (kip):	33.00

Base Plate	
Yield (ksi):	50.00
Width (in):	72.00
Style:	Round
Polygon Sides:	0.00
Clip Length (in):	0.00
Effective Len (in):	13.26
Moment (kip-in):	423.42
Allow Stress (ksi):	67.50
Applied Stress (ksi):	30.38
Stress Ratio:	0.45

Anchor Bolts	
Bolt Circle:	66.00
Number Bolts:	18.00
Bolt Type:	2.00" F1554 105
Bolt Diameter (in):	2.00
Yield (ksi):	105.00
Ultimate (ksi):	125.00
Arrangement:	Radial
Cluster Dist (in):	0.00
Start Angle (deg):	0.00
Compression	
Force (kip):	115.55
Allowable (kip):	250.00
Ratio:	0.47
Tension	
Force (kip):	106.76
Allowable (kip):	250.00
Ratio:	0.44

Monopole Mat Foundation Design

				Date
				8/10/2021
Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G
Site Name:		**Structure Height (Ft.):**	170
Site Number:		**Engineer Name:**	A. Hagos
Engr. Number:		**Engineer Login ID:**	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

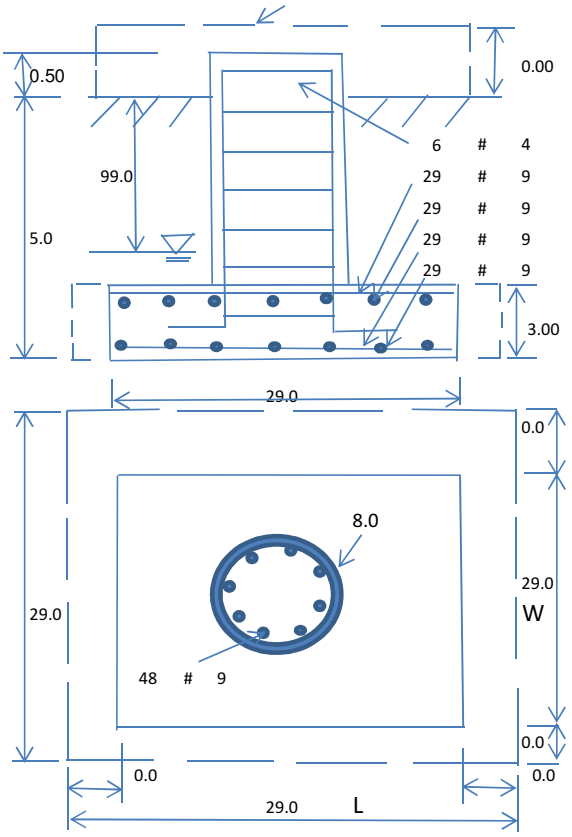
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	49.6	Shear Force (Kips):	22.8
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2751.1
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	5.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.00
Length of Pad (ft.):	29	Width of Pad (ft.):	29
Final Length of pad (ft)	29.0	Final width of pad (ft):	29.0



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	40	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	48	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	9	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	29	Qty. of Rebar in Pad (W):	29	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	29	Qty. of Rebar in Pad (W):	29	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	125.0	Soil Buoyant Weight:	62.6	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	12000	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:	1.00			

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

Total Dry Soil Volume (cu. Ft.):	1581.47	Total Dry Soil Weight (Kips):	197.68
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	197.68	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2648.66	Total Dry Concrete Weight (Kips):	397.30
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	397.30	Total Vertical Load on Base (Kips):	644.59

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	1406	<	Allowable Factored Soil Bearing (psf):	9000	0.16	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	8483.9	>	Design Factored Momont (kips-ft):	2876	0.34	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	2.95	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90		Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65		Wind Load Factor on Concrete Design:	1.00		
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	1.00		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	9280.8	>	Design Factored Moment (Mu, Kips-Ft	2808.1	0.30	OK!
Calculated Shear Capacity (Kips):	789.1	>	Design Factored Shear (Kips):	22.8	0.03	OK!
Calculated Tension Capacity (Tn, Kips):	2592.0	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	12712.3	>	Design Factored Axial Load (Pu Kips):	49.6	0.00	OK!
Moment & Axial Strength Combination:	0.30	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.007		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	1070.9	>	One-Way Factored Shear (L-D. Kips):	188.6	0.18	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1070.9	>	One-Way Factored Shear (W-D., Kips)	188.6	0.18	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	1019.4	>	One-Way Factored Shear (C-C, Kips):	181.0	0.18	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0026	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0026		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	4137.1	>	Moment at Bottom (L-Dir. K-Ft):	1189.7	0.29	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	4137.1	>	Moment at Bottom (W-Dir. K-Ft):	1189.7	0.29	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	5817.9	>	Moment at Bottom (C-C Dir. K-Ft):	1682.5	0.29	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0026	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0026		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	4137.1	>	Moment at the top (L-Dir K-Ft):	455.3	0.11	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	4137.1	>	Moment at the top (W-Dir K-Ft):	455.3	0.11	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	5817.9	>	Moment at the top (C-C Dir. K-Ft):	426.9	0.07	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	1100.4	k-ft.	Max. factored shear stress v_{u_CD}:		0.9	Psi
Max. factored shear stress v_{u_AB}:	7.0	Psi	Factored shear Strength ϕv_n:		189.7	Psi
Max. factored shear stress v_u:	7.0	Psi	Check Usage of Punching Shear Capacity:		0.04	OK!

Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mt. Laurel, NJ 08054
(856) 797-0412
peter.albano@colliersengineering.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10067783
Maser Consulting Connecticut Project #: 21777221A

July 2, 2021

Site Information	*Site ID:*	*469117-VZW / BARKHAMSTED NE CT*
	Site Name:	*BARKHAMSTED NE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*44 Gavitt Rd.* *Barkhamsted, Connecticut 06063* *Litchfield County*
	Latitude:	*41.946082°*
	Longitude:	*-72.911472°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*13.33-Ft Platform*

FUZE ID # 16272089

Analysis Results

Platform: **68.0% Pass**

******Contractor PMI Requirements*:**
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
Contractor - Please Review Specific Site PMI Requirements Upon Award
Requirements also Noted on Mount Modification Drawings
Requirements may also be Noted on A & E drawings

Report Prepared By: Cody Sherman

Digitally signed by Derek Hartzell
Date: 2021.07.02 12:25:23-07'00'

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: 613373, dated March 18, 2021
Mount Mapping Report	Roaming Networks Inc., Site ID: SBA:CT11709, VZW:469117, dated January 4, 2021
Previous Mount Analysis	Maser Consulting Connecticut Project #: 21777221A, dated April 26, 2021
Mount Modification Drawings	Maser Consulting Connecticut Project #: 21777221A, dated July 2, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.960
Seismic Parameters:	S_S:	0.169
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
156.00	157.00	6	Commscope	NHH-65B-R2B	Added
		3	Samsung	MT6407-77A	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Antel	BXA-70063-6CF	Retained

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Maser Consulting Connecticut 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 Maser Consulting Connecticut 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 by Maser Consulting Connecticut, 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. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

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

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
Proposed Support Rail	14.0%	Pass
Proposed Support Rail Angle	18.0%	Pass
Proposed Kicker	7.0%	Pass
Mount Pipe	21.0%	Pass
Face Horizontal	14.0%	Pass
Crossbracing	68.0%	Pass
Standoff Horizontal	37.0%	Pass
Standoff Plates	53.0%	Pass
Mount Connection	33.0%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**68.0%**

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications 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. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter


03/31/2021 08:42:04
-72.911382, 41.945609999999995
BARKHAMSTED NE CT


03/31/2021 08:50:18
-72.911382, 41.945609999999995
BARKHAMSTED NE CT

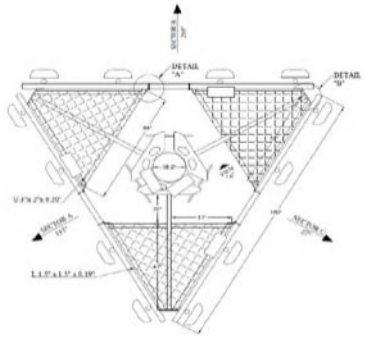
V3.0 Updated on 8-31-2020

PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
1274482

Tower Owner:	SBA	**Mapping Date:**	01-04-21
Site Name:	VZW:BARKHAMSTED NE CT	**Tower Type:**	Monopole
Site Number or ID:	SBA:CT11709, VZW:469117	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	153,23

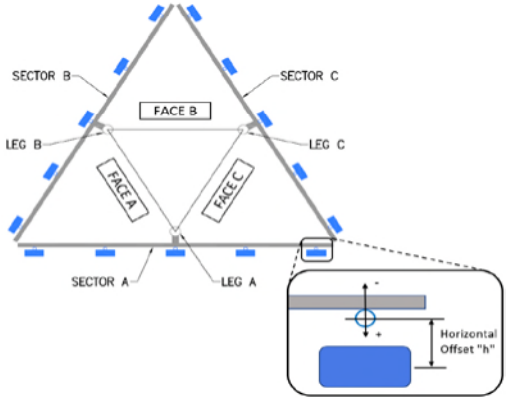


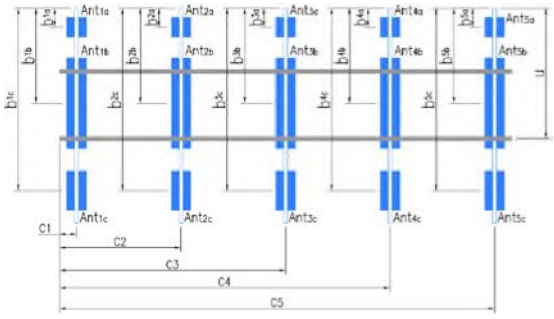
Overall Mount Schematic

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	20,00	C1	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	20,00
A2	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	46,00	C2	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	46,00
A3	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	93,00	C3	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	93,00
A4	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	138,00	C4	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	138,00
A5				C5			
A6				C6			
B1	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	20,00	D1			
B2	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	46,00	D2			
B3	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	93,00	D3			
B4	PIPE 2.38"Ø X 0.12" X 72" LONG	47,00	138,00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0,00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	8,7
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	
Tower Face Width at Mount Elev. (ft.):	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.): 35,2



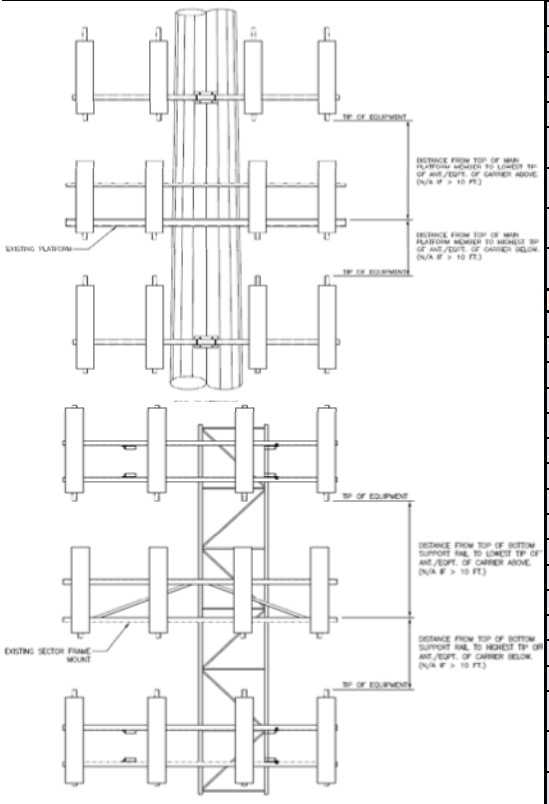


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}	BXA-70063-6CF-EDIN-	11,30	6,00	71,00		154,063	37,00	11,00	151,00	190
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	BXA-171063-12CF-ED	6,10	4,10	72,50		154,063	37,00	7,00	151,00	190
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA-70063-6CF-EDIN-	11,30	6,00	71,00		155,147	24,00	11,00	151,00	190
Ant_{3b}	700MRRH KS24822L1	12,00	9,00	21,60		157,147				190
Ant_{3c}										
Ant_{4a}	BXA-171063-12CF-ED	6,10	4,10	72,50		154,063	37,00	7,00	151,00	191
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15,73	10,30	28,93						238
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	120,00	Deg	Leg A:		Deg
Sector B:	240,00	Deg	Leg B:		Deg
Sector C:	360,00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

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



Sector B										
Ant_{1a}	BXA-70063-6CF-EDIN-	11,30	6,00	71,00		154,063	37,00	11,00	265,00	199
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	BXA-171063-12CF-ED	6,10	4,10	72,50			37,00	7,00	265,00	199
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA-70063-6CF-EDIN-	11,30	6,00	71,00		155,147	24,00	11,00	265,00	199
Ant_{3b}	700MRRH KS24822L1	12,00	9,00	21,60		157,147				199
Ant_{3c}										
Ant_{4a}	BXA-171063-12CF-ED	6,10	4,10	72,50		154,063	37,00	7,00	265,00	200
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}						#REF!				
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	BXA-70063-6CF-EDIN-	11,30	6,00	71,00		154,063	37,00	11,00	27,00	210
Ant_{1b}										
Ant_{1c}										
Ant_{2a}	BXA-171063-12CF-ED	6,10	4,10	72,50		154,063	37,00	7,00	27,00	210
Ant_{2b}										
Ant_{2c}										
Ant_{3a}	BXA-70063-6CF-EDIN-	11,30	6,00	71,00		155,147	24,00	11,00	27,00	210
Ant_{3b}	700MRRH KS24822L1	12,00	9,00	21,60		157,147				210
Ant_{3c}										
Ant_{4a}	BXA-171063-12CF-ED	6,10	4,10	72,50		154,063	37,00	7,00	27,00	211
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15,73	10,30	28,93						240
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 #

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.

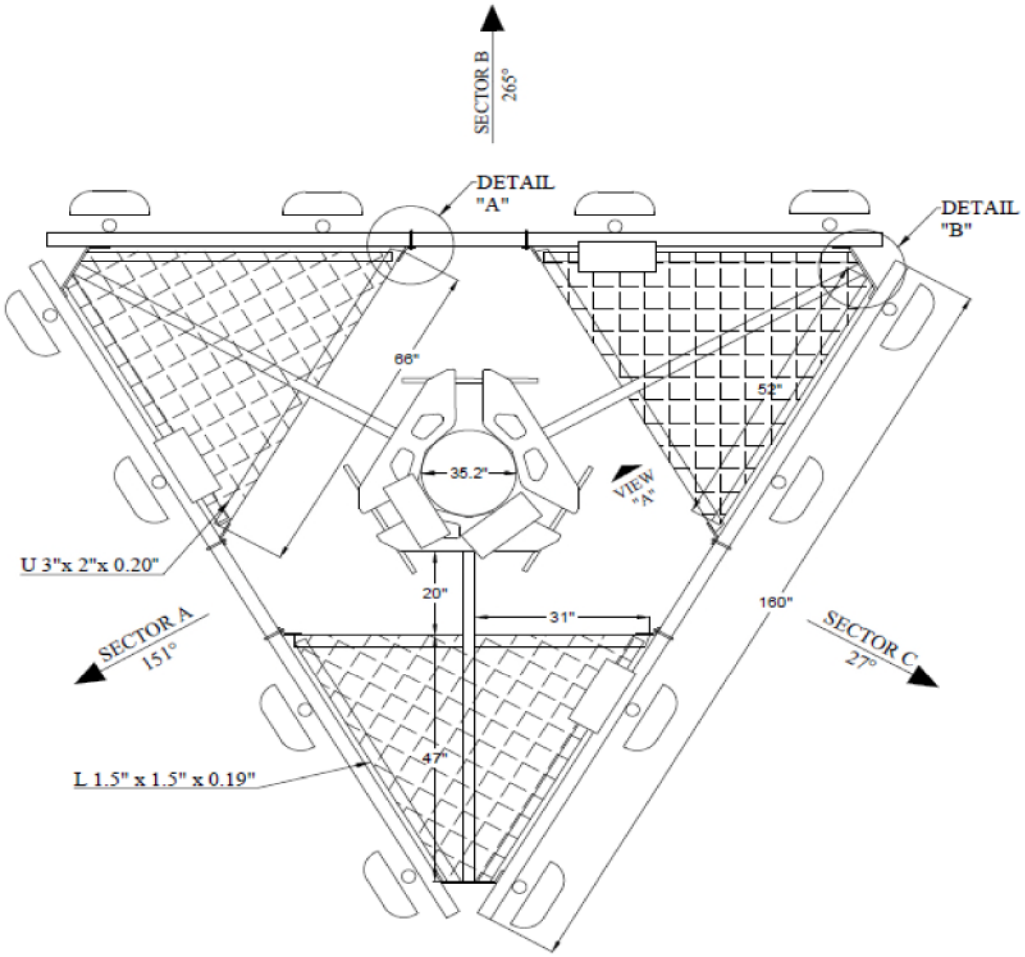
PAUL J. FORD & COMPANY

Antenna Mount Mapping Form (PATENT PENDING)

FCC # 1274482

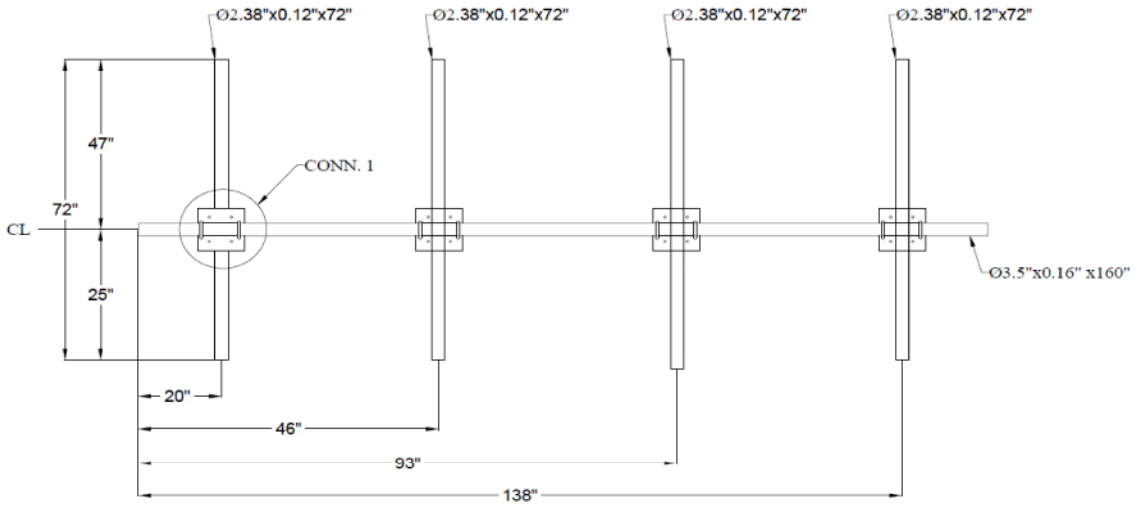
Tower Owner:	SBA	**Mapping Date:**	01-04-21
Site Name:	VZW:BARKHAMSTED NE CT	**Tower Type:**	Monopole
Site Number or ID:	SBA:CT11709, VZW:469117	**Tower Height (Ft.):**	N/A
Mapping Contractor:	Roaming Networks Inc.	**Mount Elevation (Ft.):**	153,23

Please Insert Sketches of the Antenna Mount

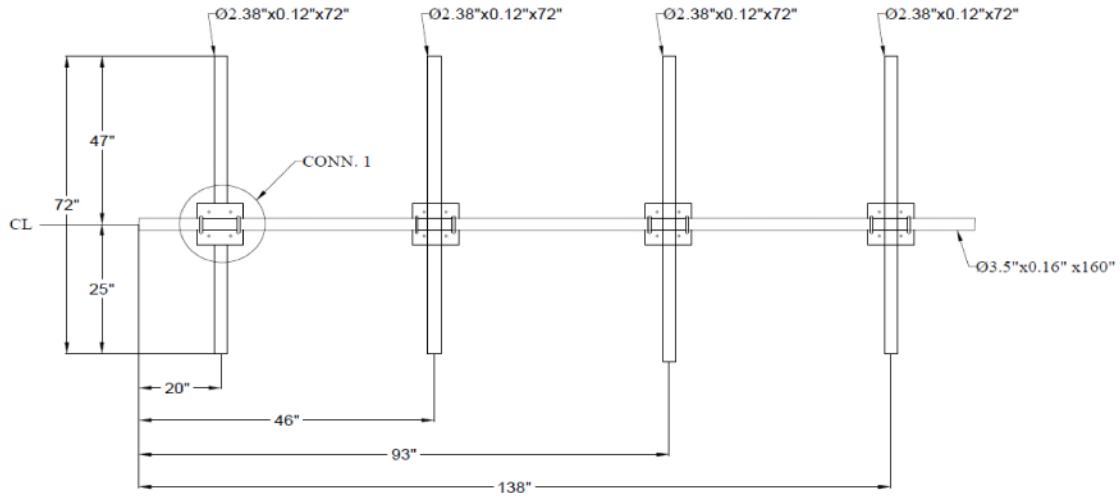


Overall Mount Schematic

Please Insert Sketches of the Antenna Mount, cont'd

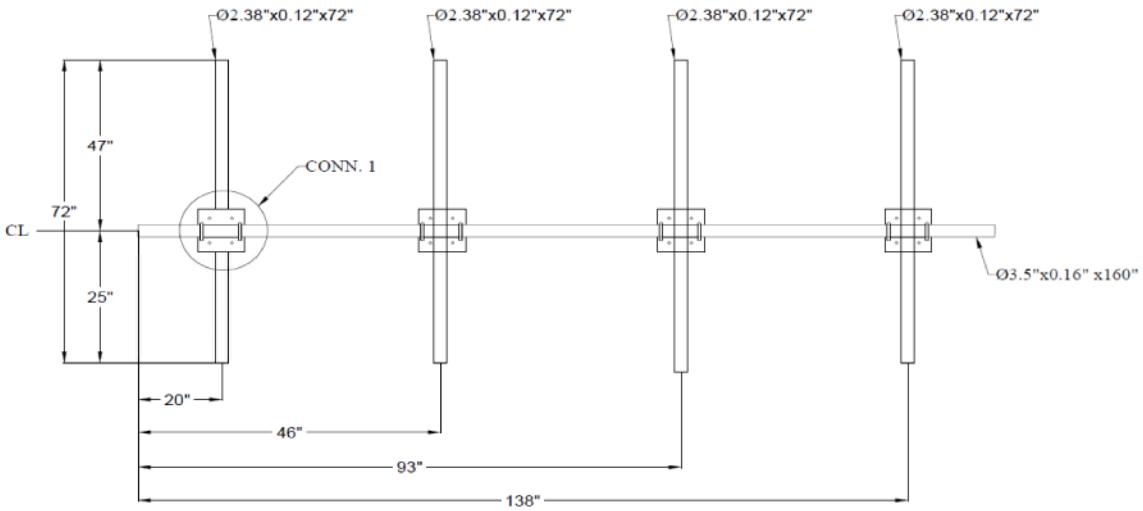


SECTOR A



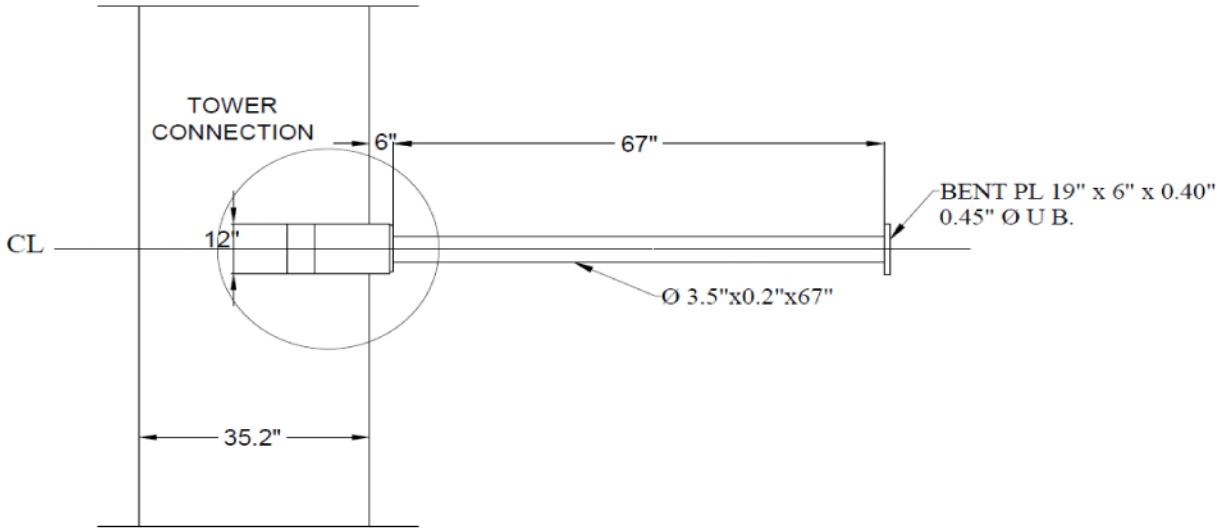
SECTOR B

Please Insert Sketches of the Antenna Mount, cont'd



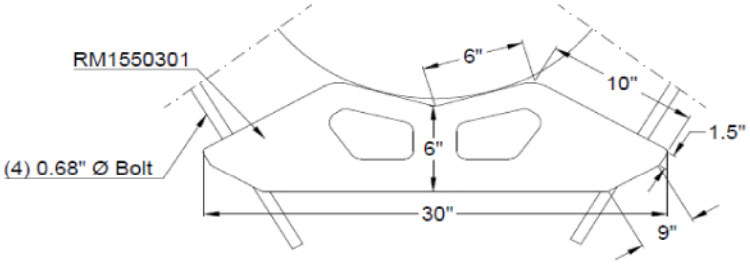
SECTOR C

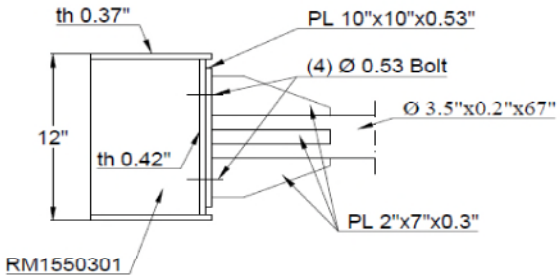
Please Insert Sketches of the Antenna Mount, cont'd



VIEW "A"

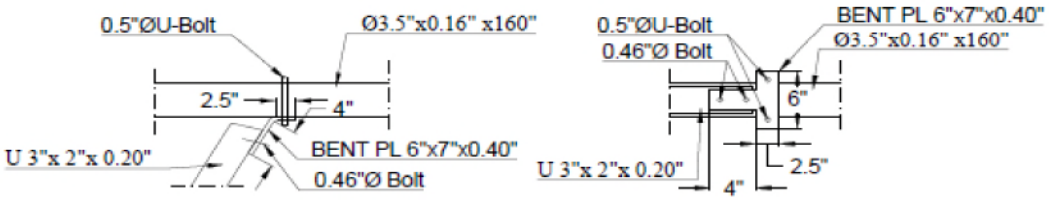
TOWER
CONNECTION



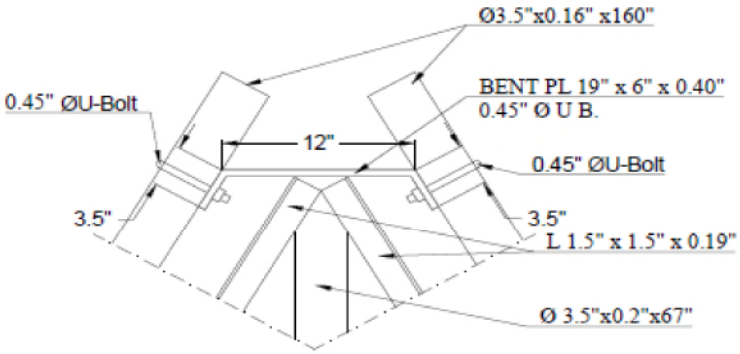


Please Insert Sketches of the Antenna Mount, cont'd

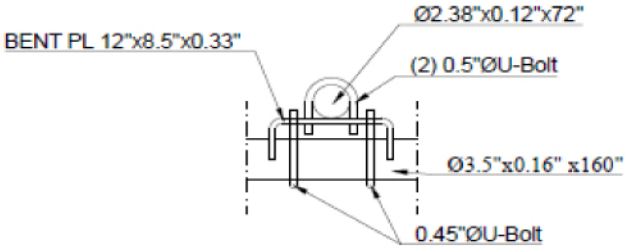
DETAIL "A"

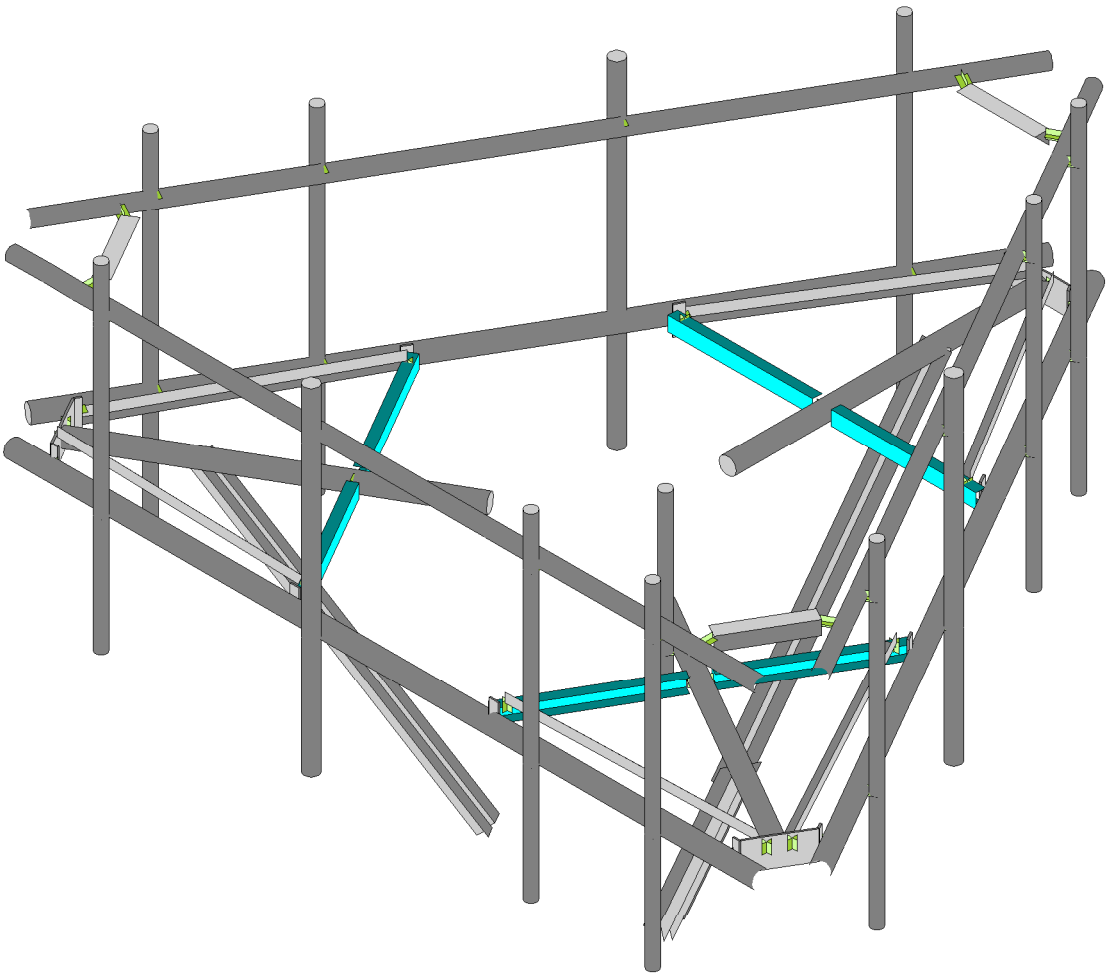


DETAIL "B"



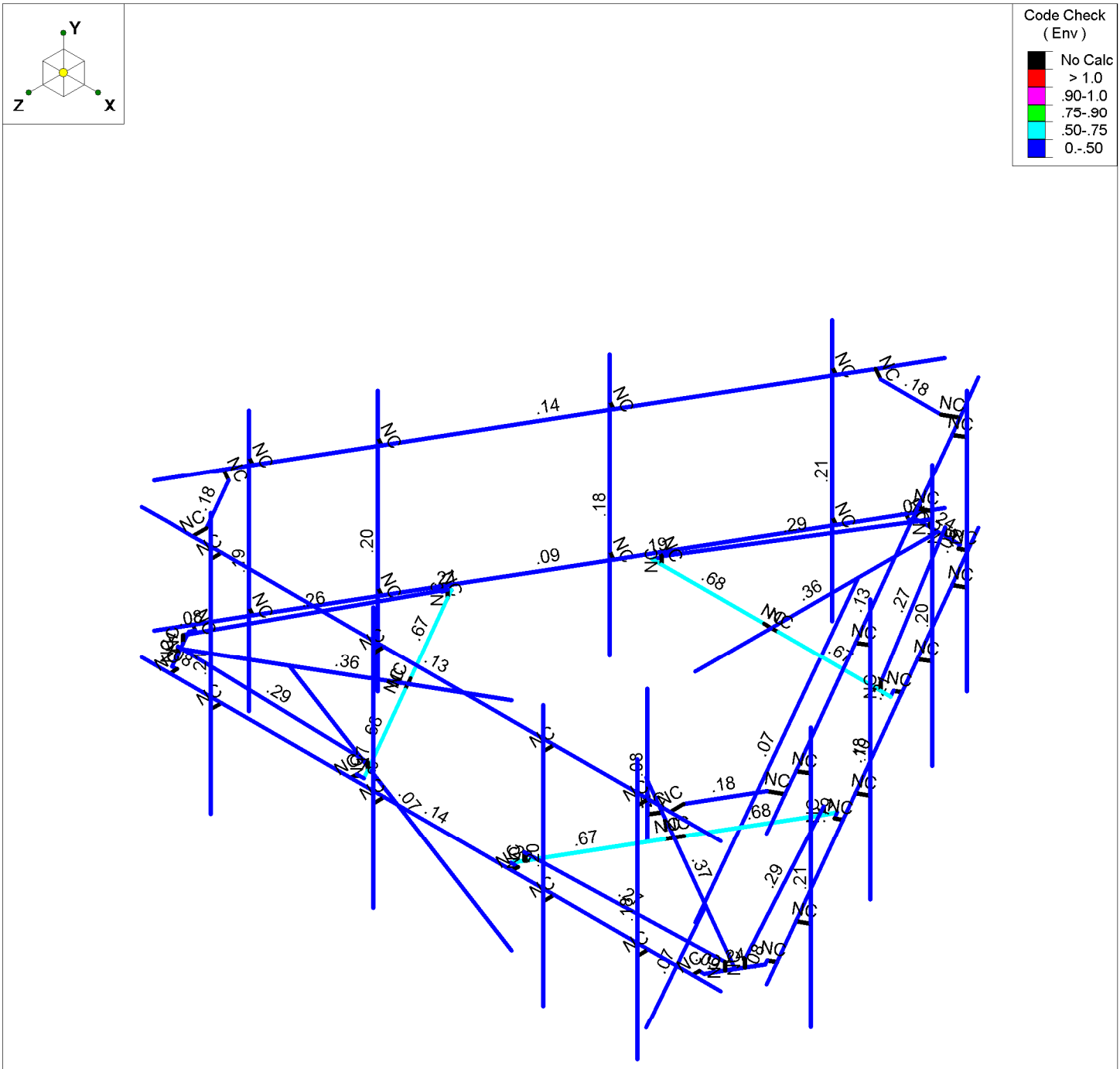
CONN. 1





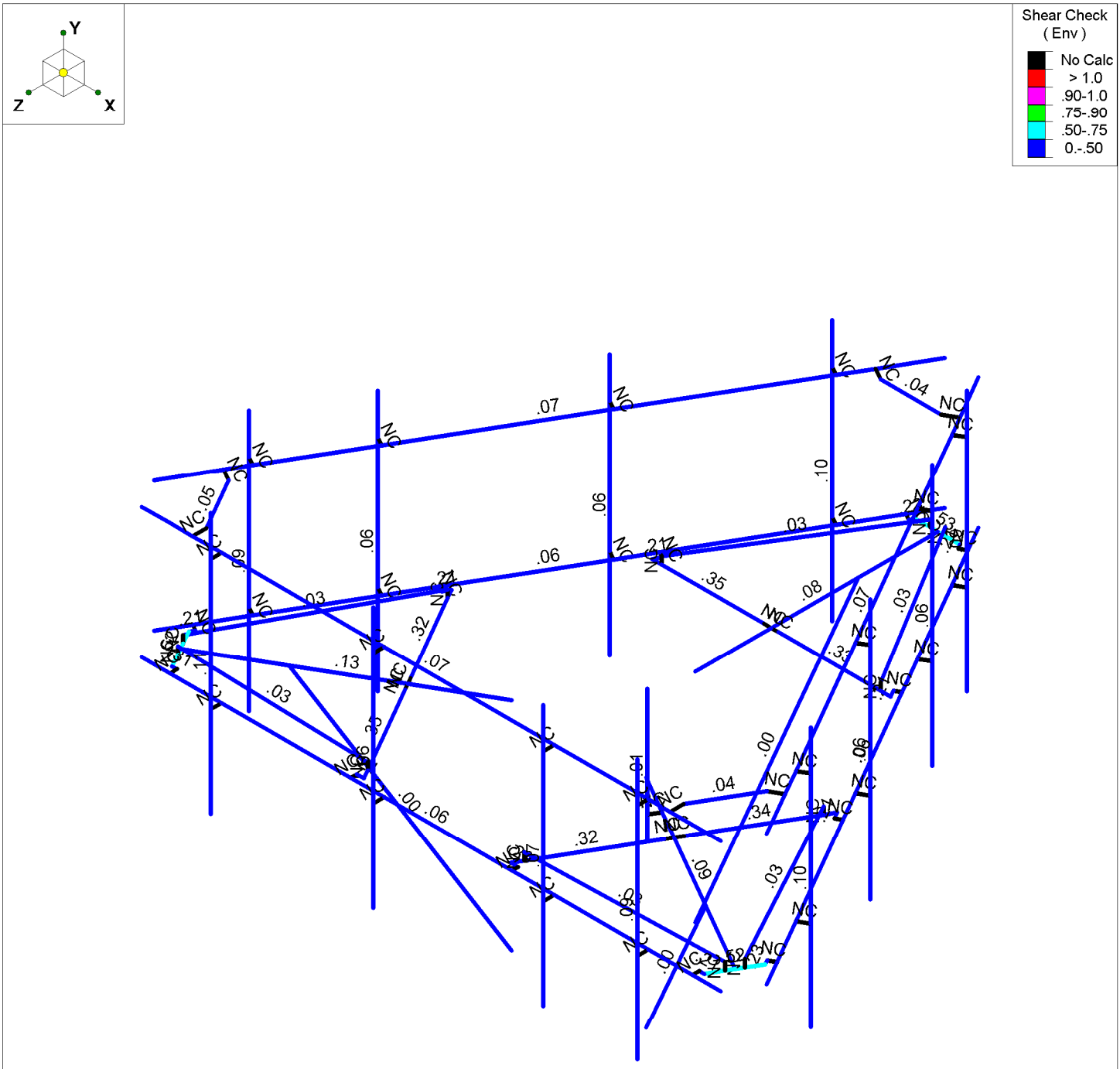
Envelope Only Solution

Maser Consulting	469117-VZW_MT_LO_H	SK - 1
AJH		July 1, 2021 at 9:18 PM
Project No. 10067783		469117-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469117-VZW_MT_LO_H	SK - 2
AJH		July 1, 2021 at 9:18 PM
Project No. 10067783		469117-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469117-VZW_MT_LO_H	SK - 3
AJH		July 1, 2021 at 9:18 PM
Project No. 10067783		469117-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					6	
40	Structure Di	None						55	3	
41	Structure Wo (0 Deg)	None						110		
42	Structure Wo (30 Deg)	None						110		
43	Structure Wo (60 Deg)	None						110		
44	Structure Wo (90 Deg)	None						110		
45	Structure Wo (120 Deg)	None						110		
46	Structure Wo (150 Deg)	None						110		
47	Structure Wo (180 Deg)	None						110		
48	Structure Wo (210 Deg)	None						110		
49	Structure Wo (240 Deg)	None						110		
50	Structure Wo (270 Deg)	None						110		
51	Structure Wo (300 Deg)	None						110		
52	Structure Wo (330 Deg)	None						110		
53	Structure Wi (0 Deg)	None						110		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
54	Structure Wi (30 Deg)	None						110		
55	Structure Wi (60 Deg)	None						110		
56	Structure Wi (90 Deg)	None						110		
57	Structure Wi (120 Deg)	None						110		
58	Structure Wi (150 Deg)	None						110		
59	Structure Wi (180 Deg)	None						110		
60	Structure Wi (210 Deg)	None						110		
61	Structure Wi (240 Deg)	None						110		
62	Structure Wi (270 Deg)	None						110		
63	Structure Wi (300 Deg)	None						110		
64	Structure Wi (330 Deg)	None						110		
65	Structure Wm (0 Deg)	None						110		
66	Structure Wm (30 Deg)	None						110		
67	Structure Wm (60 Deg)	None						110		
68	Structure Wm (90 Deg)	None						110		
69	Structure Wm (120 Deg)	None						110		
70	Structure Wm (150 Deg)	None						110		
71	Structure Wm (180 Deg)	None						110		
72	Structure Wm (210 Deg)	None						110		
73	Structure Wm (240 Deg)	None						110		
74	Structure Wm (270 Deg)	None						110		
75	Structure Wm (300 Deg)	None						110		
76	Structure Wm (330 Deg)	None						110		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Area Loads	None						30		
82	BLC 40 Transient Area Loads	None						30		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	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 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (30...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0Wi (60...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0Wi (90...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										
17	1.2D + 1.0Di + 1.0Wi (12...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1										
18	1.2D + 1.0Di + 1.0Wi (15...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1										
19	1.2D + 1.0Di + 1.0Wi (18...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1										
20	1.2D + 1.0Di + 1.0Wi (21...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1										
21	1.2D + 1.0Di + 1.0Wi (24...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1										
22	1.2D + 1.0Di + 1.0Wi (27...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1										
23	1.2D + 1.0Di + 1.0Wi (30...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1										

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
24	1.2D + 1.0Di + 1.0Wi (33...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1										
25	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1												
26	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1												
27	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1												
28	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1												
29	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1												
30	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1												
31	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1												
32	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1												
33	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1												
34	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1												
35	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1												
36	1.2D + 1.5Lm1 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1												
37	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1												
38	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1												
39	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1												
40	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1												
41	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1												
42	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1												
43	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1												
44	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1												
45	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1												
46	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1												
47	1.2D + 1.5Lm2 + 1.0Wm...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1												
48	1.2D + 1.5Lm2 + 1.0Wm...	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																		

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N3	-0.	0	-1.791667	0	
2	N5	-2.75	0	-3.541667	0	
3	N6	2.523438	0.166667	-3.541667	0	
4	N7	-2.523438	0.166667	-3.541667	0	
5	N24	-0.	0	-3.541667	0	
6	N27	-0.	0	-7.375	0	
7	CP	0	0	0	0	
8	N29	2.523438	0	-3.541667	0	
9	N30	-2.523438	0	-3.541667	0	
10	N101	2.75	0	-3.541667	0	
11	N102	-0.166667	0	-3.541667	0	
12	N103A	0.166667	0	-3.541667	0	
13	N135	0.571615	0	-7.278023	0	
14	N148	-0.571615	0	-7.278023	0	
15	N86C	-0.515625	0	-7.375	0	
16	N87A	0.515625	0	-7.375	0	
17	N86D	0.713809	0	-7.360119	0	
18	N86E	-0.713809	0	-7.360119	0	
19	N227A	2.666667	0	-3.686004	0	
20	N228A	2.792962	0	-3.758921	0	
21	N226A	-2.666667	0	-3.686004	0	
22	N227B	-2.792962	0	-3.758921	0	
23	N223A	-1.551629	0	0.895833	0	
24	N224A	-1.692173	0	4.152403	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
25	N225A	-4.328892	0.166667	-0.414528	0	
26	N226B	-1.805455	0.166667	3.956194	0	
27	N227C	-3.067173	0	1.770833	0	
28	N230A	-4.328892	0	-0.414528	0	
29	N231A	-1.805455	0	3.956194	0	
30	N232A	-4.442173	0	-0.610737	0	
31	N233A	-2.98384	0	1.915171	0	
32	N234A	-3.150507	0	1.626496	0	
33	N235A	-6.58876	0	3.143979	0	
34	N236A	-6.017146	0	4.134044	0	
35	N237A	-6.129125	0	4.134044	0	
36	N238A	-6.64475	0	3.240956	0	
37	N239A	-6.730955	0	3.061883	0	
38	N240A	-6.017146	0	4.298237	0	
39	N246A	-4.525507	0	-0.466399	0	
40	N247A	-4.651802	0	-0.539316	0	
41	N248A	-1.85884	0	4.152403	0	
42	N249A	-1.85884	0	4.298237	0	
43	N250A	1.551629	0	0.895833	0	
44	N251A	4.442173	0	-0.610737	0	
45	N252A	1.805455	0.166667	3.956194	0	
46	N253A	4.328892	0.166667	-0.414528	0	
47	N254A	3.067173	0	1.770833	0	
48	N257A	1.805455	0	3.956194	0	
49	N258A	4.328892	0	-0.414528	0	
50	N259A	1.692173	0	4.152403	0	
51	N260A	3.150507	0	1.626496	0	
52	N261A	2.98384	0	1.915171	0	
53	N262A	6.017146	0	4.134044	0	
54	N263A	6.58876	0	3.143979	0	
55	N264A	6.64475	0	3.240956	0	
56	N265A	6.129125	0	4.134044	0	
57	N266A	6.017146	0	4.298237	0	
58	N267A	6.730955	0	3.061883	0	
59	N273A	1.85884	0	4.152403	0	
60	N274A	1.85884	0	4.298237	0	
61	N275A	4.525507	0	-0.466399	0	
62	N276A	4.651802	0	-0.539316	0	
63	N275B	-3.722382	0	-2.149118	0	
64	N280A	6.666667	0	4.298237	0	
65	N281A	-6.666667	0	4.298237	0	
66	N280B	0.389049	0	-7.922621	0	
67	N281B	7.055716	0	3.624384	0	
68	N283A	-7.055716	0	3.624384	0	
69	N284A	-0.389049	0	-7.922621	0	
70	N283B	0.166667	0	-7.375	0	
71	N284B	0.166667	0.166667	-7.375	0	
72	N283C	-0.166667	0	-7.375	0	
73	N284C	-0.166667	0.166667	-7.375	0	
74	N273B	-6.386937	0	3.6875	0	
75	N275C	-6.470271	0	3.543162	0	
76	N276B	-6.470271	0.166667	3.543162	0	
77	N277A	-6.303604	0	3.831838	0	
78	N278A	-6.303604	0.166667	3.831838	0	
79	N282A	6.386937	0	3.6875	0	
80	N284D	6.303604	0	3.831838	0	
81	N285A	6.303604	0.166667	3.831838	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
82	N286A	6.470271	0	3.543162	0	
83	N287A	6.470271	0.166667	3.543162	0	
84	N85	5.	0	4.298237	0	
85	N86	5.	0	4.548237	0	
86	N87	5.	3.916667	4.548237	0	
87	N88	5.	-2.083333	4.548237	0	
88	N89	2.833333	0	4.298237	0	
89	N90	2.833333	0	4.548237	0	
90	N91	2.833333	3.916667	4.548237	0	
91	N92	2.833333	-2.083333	4.548237	0	
92	N93	-1.083333	0	4.298237	0	
93	N94	-1.083333	0	4.548237	0	
94	N95	-1.083333	3.916667	4.548237	0	
95	N96	-1.083333	-2.083333	4.548237	0	
96	N97	-4.833333	0	4.298237	0	
97	N98	-4.833333	0	4.548237	0	
98	N99	-4.833333	3.916667	4.548237	0	
99	N100	-4.833333	-2.083333	4.548237	0	
100	N102A	1.222382	0	-6.479245	0	
101	N103	1.438889	0	-6.604245	0	
102	N104	1.438889	3.916667	-6.604245	0	
103	N105	1.438889	-2.083333	-6.604245	0	
104	N106	2.305716	0	-4.602857	0	
105	N107	2.522222	0	-4.727857	0	
106	N108	2.522222	3.916667	-4.727857	0	
107	N109	2.522222	-2.083333	-4.727857	0	
108	N110	4.264049	0	-1.210924	0	
109	N111	4.480555	0	-1.335924	0	
110	N112	4.480555	3.916667	-1.335924	0	
111	N113	4.480555	-2.083333	-1.335924	0	
112	N114	6.139049	0	2.036671	0	
113	N115	6.355555	0	1.911671	0	
114	N116	6.355555	3.916667	1.911671	0	
115	N117	6.355555	-2.083333	1.911671	0	
116	N119	-6.222382	0	2.181009	0	
117	N120	-6.438889	0	2.056009	0	
118	N121	-6.438889	3.916667	2.056009	0	
119	N122	-6.438889	-2.083333	2.056009	0	
120	N123	-5.139049	0	0.30462	0	
121	N124	-5.355555	0	0.17962	0	
122	N125	-5.355555	3.916667	0.17962	0	
123	N126	-5.355555	-2.083333	0.17962	0	
124	N127	-3.180716	0	-3.087313	0	
125	N128	-3.397222	0	-3.212313	0	
126	N129	-3.397222	3.916667	-3.212313	0	
127	N130	-3.397222	-2.083333	-3.212313	0	
128	N131	-1.305716	0	-6.334908	0	
129	N132	-1.522222	0	-6.459908	0	
130	N133	-1.522222	3.916667	-6.459908	0	
131	N134	-1.522222	-2.083333	-6.459908	0	
132	N133A	2.417654	0	1.395833	0	
133	N134A	2.292654	0	1.61234	0	
134	N135A	2.292654	-.5	1.61234	0	
135	N136	2.292654	2.5	1.61234	0	
136	N136A	-4.833333	2.916667	4.548237	0	
137	N137	-6.017146	3	4.298237	0	
138	N138	-1.85884	3	4.298237	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
139	N139	6.017146	3	4.298237	0	
140	N140	1.85884	3	4.298237	0	
141	N141	6.666667	3	4.298237	0	
142	N142	-6.666667	3	4.298237	0	
143	N143	0.389049	3	-7.922621	0	
144	N144	7.055716	3	3.624384	0	
145	N145	-7.055716	3	3.624384	0	
146	N146	-0.389049	3	-7.922621	0	
147	N147	5.	3	4.298237	0	
148	N148A	5.	3	4.548237	0	
149	N149	2.833333	3	4.298237	0	
150	N150	2.833333	3	4.548237	0	
151	N151	-1.083333	3	4.298237	0	
152	N152	-1.083333	3	4.548237	0	
153	N153	-4.833333	3	4.298237	0	
154	N154	-4.833333	3	4.548237	0	
155	N155	1.222382	3	-6.479245	0	
156	N156	1.438889	3	-6.604245	0	
157	N157	2.305716	3	-4.602857	0	
158	N158	2.522222	3	-4.727857	0	
159	N159	4.264049	3	-1.210924	0	
160	N160	4.480555	3	-1.335924	0	
161	N161	6.139049	3	2.036671	0	
162	N162	6.355555	3	1.911671	0	
163	N163	-6.222382	3	2.181009	0	
164	N164	-6.438889	3	2.056009	0	
165	N165	-5.139049	3	0.30462	0	
166	N166	-5.355555	3	0.17962	0	
167	N167	-3.180716	3	-3.087313	0	
168	N168	-3.397222	3	-3.212313	0	
169	N169	-1.305716	3	-6.334908	0	
170	N170	-1.522222	3	-6.459908	0	
171	N171	-5.5	3	4.298237	0	
172	N172	5.5	3	4.298237	0	
173	N173	5.5	3	3.985737	0	
174	N175	-5.5	3	3.985737	0	
175	N176	6.472382	3	2.614021	0	
176	N177	0.972382	3	-6.912258	0	
177	N178	0.701749	3	-6.756008	0	
178	N179	6.201749	3	2.770271	0	
179	N181	-0.972382	3	-6.912258	0	
180	N182	-6.472382	3	2.614021	0	
181	N183	-6.201749	3	2.770271	0	
182	N184	-0.701749	3	-6.756008	0	
183	N183A	-0.	0	-5.541667	0	
184	N184A	-0.	-5	-1.791667	0	
185	N185	-1.551629	-5	0.895833	0	
186	N186	1.551629	-5	0.895833	0	
187	N191	-4.799224	0	2.770833	0	
188	N199	4.799224	0	2.770833	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
3	Corner Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L1.5X1.3X3	Beam	Single Angle	A36 Gr.36	Typical	.527	.11	.11	.006
6	Mod Support rail corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
7	Mod Kickers	LL3x3x3x3	Beam	Single Angle	A36 Gr.36	Typical	2.18	4.09	1.9	.027
8	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
10	Handrail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Corner Angle	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
12	Dual Antenna Mount P...	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
13	TES Standoff Bracing	L3X3X3	Column	Pipe	A53 Gr.B	Typical	1.09	.948	.948	.014
14	TES Grating Support	L2x2x3	Column	Pipe	A53 Gr.B	Typical	.722	.271	.271	.009
15	MOD Support Rail	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

Cold Formed Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Standoff Braci...	3CU2X.2	Beam	CU	A653 SS Gr50/1	Typical	1.251	.493	1.709	.017

Hot Rolled Steel Properties

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

Cold Formed Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E5 F)	Density[k/ft^3]	Yield[ksi]	Fu[ksi]
1	A653 SS Gr33	29500	11346	.3	.65	.49	33	45
2	A653 SS Gr50/1	29500	11346	.3	.65	.49	50	65

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N3	N27			Standoff Horiz...	Beam	Pipe	A53 Gr.B	Typical
2	M10	N101	N103A			Standoff Braci...	Beam	CU	A653 SS ...	Typical
3	M43	N102	N5			Standoff Braci...	Beam	CU	A653 SS ...	Typical
4	M46	N86C	N87A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
5	M35A	N7	N30			RIGID	None	None	RIGID	Typical
6	M36A	N6	N29			RIGID	None	None	RIGID	Typical
7	M51B	N284B	N6			TES Grating S...	Column	Pipe	A53 Gr.B	Typical
8	M52B	N7	N284C			TES Grating S...	Column	Pipe	A53 Gr.B	Typical
9	M58	N102	N24			RIGID	None	None	RIGID	Typical
10	M59	N24	N103A			RIGID	None	None	RIGID	Typical
11	M80	N87A	N135			Corner Plate	Beam	RECT	A36 Gr.36	Typical
12	M83	N135	N86D			RIGID	None	None	RIGID	Typical
13	M91	N86C	N148			Corner Plate	Beam	RECT	A36 Gr.36	Typical
14	M92	N148	N86E			RIGID	None	None	RIGID	Typical
15	M149A	N101	N227A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
16	M150A	N227A	N228A			RIGID	None	None	RIGID	Typical
17	M148A	N5	N226A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
18	M149B	N226A	N227B			RIGID	None	None	RIGID	Typical
19	M149C	N232A	N234A			Standoff Braci...	Beam	CU	A653 SS ...	Typical
20	M150B	N233A	N224A			Standoff Braci...	Beam	CU	A653 SS ...	Typical
21	M151A	N237A	N238A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
22	M152A	N226B	N231A			RIGID	None	None	RIGID	Typical
23	M153A	N225A	N230A			RIGID	None	None	RIGID	Typical
24	M157A	N233A	N227C			RIGID	None	None	RIGID	Typical
25	M158A	N227C	N234A			RIGID	None	None	RIGID	Typical
26	M159A	N238A	N235A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
27	M160A	N235A	N239A			RIGID	None	None	RIGID	Typical
28	M161A	N237A	N236A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
29	M162A	N236A	N240A			RIGID	None	None	RIGID	Typical
30	M166A	N232A	N246A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
31	M167A	N246A	N247A			RIGID	None	None	RIGID	Typical
32	M168A	N224A	N248A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
33	M169A	N248A	N249A			RIGID	None	None	RIGID	Typical
34	M171A	N259A	N261A			Standoff Braci...	Beam	CU	A653 SS ...	Typical
35	M172A	N260A	N251A			Standoff Braci...	Beam	CU	A653 SS ...	Typical
36	M173A	N264A	N265A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
37	M174A	N253A	N258A			RIGID	None	None	RIGID	Typical
38	M175A	N252A	N257A			RIGID	None	None	RIGID	Typical
39	M179A	N260A	N254A			RIGID	None	None	RIGID	Typical
40	M180A	N254A	N261A			RIGID	None	None	RIGID	Typical
41	M181A	N265A	N262A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
42	M182A	N262A	N266A			RIGID	None	None	RIGID	Typical
43	M183A	N264A	N263A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
44	M184A	N263A	N267A			RIGID	None	None	RIGID	Typical
45	M188A	N259A	N273A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M189A	N273A	N274A			RIGID	None	None	RIGID	Typical
47	M190A	N251A	N275A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
48	M191A	N275A	N276A			RIGID	None	None	RIGID	Typical
49	M193A	N280A	N281A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
50	M193B	N280B	N281B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
51	M194A	N283A	N284A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
52	M195A	N284B	N283B			RIGID	None	None	RIGID	Typical
53	M178A	N223A	N273B			Standoff Horiz...	Beam	Pipe	A53 Gr.B	Typical
54	M179B	N276B	N225A			TES Grating S...	Column	Pipe	A53 Gr.B	Typical
55	M180B	N226B	N278A			TES Grating S...	Column	Pipe	A53 Gr.B	Typical
56	M181B	N276B	N275C			RIGID	None	None	RIGID	Typical
57	M182B	N250A	N282A			Standoff Horiz...	Beam	Pipe	A53 Gr.B	Typical
58	M183B	N285A	N252A			TES Grating S...	Column	Pipe	A53 Gr.B	Typical
59	M184B	N253A	N287A			TES Grating S...	Column	Pipe	A53 Gr.B	Typical
60	M185A	N285A	N284D			RIGID	None	None	RIGID	Typical
61	M61	N85	N86			RIGID	None	None	RIGID	Typical
62	MP1A	N87	N88			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
63	M63	N89	N90			RIGID	None	None	RIGID	Typical
64	MP2A	N91	N92			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
65	M65	N93	N94			RIGID	None	None	RIGID	Typical
66	MP3A	N95	N96			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
67	M67	N97	N98			RIGID	None	None	RIGID	Typical
68	MP4A	N99	N100			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
69	M69	N102A	N103			RIGID	None	None	RIGID	Typical
70	MP1C	N104	N105			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
71	M71	N106	N107			RIGID	None	None	RIGID	Typical
72	MP2C	N108	N109			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
73	M73	N110	N111			RIGID	None	None	RIGID	Typical
74	MP3C	N112	N113			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
75	M75	N114	N115			RIGID	None	None	RIGID	Typical
76	MP4C	N116	N117			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
77	M77	N119	N120			RIGID	None	None	RIGID	Typical
78	MP1B	N121	N122			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
79	M79	N123	N124			RIGID	None	None	RIGID	Typical
80	MP2B	N125	N126			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	M81	N127	N128			RIGID	None	None	RIGID	Typical
82	MP3B	N129	N130			Dual Antenna ...	Column	Pipe	A53 Gr.B	Typical
83	M83A	N131	N132			RIGID	None	None	RIGID	Typical
84	MP4B	N133	N134			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
85	M85	N133A	N134A			RIGID	None	None	RIGID	Typical
86	M86	N136	N135A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	M87	N278A	N277A			RIGID	None	None	RIGID	Typical
88	M88	N285A	N284D			RIGID	None	None	RIGID	Typical
89	M89	N287A	N286A			RIGID	None	None	RIGID	Typical
90	M90	N284B	N283B			RIGID	None	None	RIGID	Typical
91	M91A	N284C	N283C			RIGID	None	None	RIGID	Typical
92	M92A	N141	N142			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
93	M93	N143	N144			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
94	M94	N145	N146			MOD Support ...	Column	Pipe	A53 Gr.B	Typical
95	M95	N147	N148A			RIGID	None	None	RIGID	Typical
96	M96	N149	N150			RIGID	None	None	RIGID	Typical
97	M97	N151	N152			RIGID	None	None	RIGID	Typical
98	M98	N153	N154			RIGID	None	None	RIGID	Typical
99	M99	N155	N156			RIGID	None	None	RIGID	Typical
100	M100	N157	N158			RIGID	None	None	RIGID	Typical
101	M101	N159	N160			RIGID	None	None	RIGID	Typical
102	M102	N161	N162			RIGID	None	None	RIGID	Typical
103	M103	N163	N164			RIGID	None	None	RIGID	Typical
104	M104	N165	N166			RIGID	None	None	RIGID	Typical
105	M105	N167	N168			RIGID	None	None	RIGID	Typical
106	M106	N169	N170			RIGID	None	None	RIGID	Typical
107	M107	N172	N173			RIGID	None	None	RIGID	Typical
108	M108	N171	N175			RIGID	None	None	RIGID	Typical
109	M109	N177	N178			RIGID	None	None	RIGID	Typical
110	M110	N176	N179			RIGID	None	None	RIGID	Typical
111	M111	N182	N183			RIGID	None	None	RIGID	Typical
112	M112	N181	N184			RIGID	None	None	RIGID	Typical
113	M113	N175	N183		90	Mod Support r...	Beam	Single Angle	A36 Gr.36	Typical
114	M114	N179	N173		90	Mod Support r...	Beam	Single Angle	A36 Gr.36	Typical
115	M115	N184	N178		90	Mod Support r...	Beam	Single Angle	A36 Gr.36	Typical
116	M116	N183A	N184A			Mod Kickers	Beam	Single Angle	A36 Gr.36	Typical
117	M117	N191	N185			Mod Kickers	Beam	Single Angle	A36 Gr.36	Typical
118	M118	N199	N186			Mod Kickers	Beam	Single Angle	A36 Gr.36	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	M4						Yes				None
2	M10						Yes	Default			None
3	M43						Yes	Default			None
4	M46						Yes	Default			None
5	M35A						Yes	** NA **			None
6	M36A						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...
7	M51B		OOOOOO				Yes	** NA **			None
8	M52B	OOOOOX					Yes	** NA **			None
9	M58						Yes	** NA **			None
10	M59						Yes	** NA **			None
11	M80						Yes				None
12	M83		BenPIN				Yes	** NA **			None
13	M91						Yes				None
14	M92		BenPIN				Yes	** NA **			None
15	M149A						Yes	** NA **			None
16	M150A		BenPIN				Yes	** NA **			None
17	M148A						Yes	** NA **			None
18	M149B		BenPIN				Yes	** NA **			None
19	M149C						Yes	Default			None
20	M150B						Yes	Default			None
21	M151A						Yes	Default			None
22	M152A						Yes	** NA **			None
23	M153A						Yes	** NA **			None
24	M157A						Yes	** NA **			None
25	M158A						Yes	** NA **			None
26	M159A						Yes				None
27	M160A		BenPIN				Yes	** NA **			None
28	M161A						Yes				None
29	M162A		BenPIN				Yes	** NA **			None
30	M166A						Yes	** NA **			None
31	M167A		BenPIN				Yes	** NA **			None
32	M168A						Yes	** NA **			None
33	M169A		BenPIN				Yes	** NA **			None
34	M171A						Yes	Default			None
35	M172A						Yes	Default			None
36	M173A						Yes	Default			None
37	M174A						Yes	** NA **			None
38	M175A						Yes	** NA **			None
39	M179A						Yes	** NA **			None
40	M180A						Yes	** NA **			None
41	M181A						Yes				None
42	M182A		BenPIN				Yes	** NA **			None
43	M183A						Yes				None
44	M184A		BenPIN				Yes	** NA **			None
45	M188A						Yes	** NA **			None
46	M189A		BenPIN				Yes	** NA **			None
47	M190A						Yes	** NA **			None
48	M191A		BenPIN				Yes	** NA **			None
49	M193A						Yes	Default			None
50	M193B						Yes	Default			None
51	M194A						Yes	Default			None
52	M195A						Yes	** NA **			None
53	M178A						Yes				None
54	M179B		OOOOOO				Yes	** NA **			None
55	M180B	OOOOOX					Yes	** NA **			None
56	M181B						Yes	** NA **			None
57	M182B						Yes				None
58	M183B		OOOOOO				Yes	** NA **			None
59	M184B	OOOOOX					Yes	** NA **			None
60	M185A						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	MP1A						Yes	** NA **			None
63	M63						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...
64	MP2A						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	MP3A						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	MP4A						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	MP1C						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	MP2C						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	MP3C						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	MP4C						Yes	** NA **			None
77	M77						Yes	** NA **			None
78	MP1B						Yes	** NA **			None
79	M79						Yes	** NA **			None
80	MP2B						Yes	** NA **			None
81	M81						Yes	** NA **			None
82	MP3B						Yes	** NA **			None
83	M83A						Yes	** NA **			None
84	MP4B						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90						Yes	** NA **			None
91	M91A						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	M93						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
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107	OOOOOX					Yes	** NA **			None
108	M108	OOOOOX					Yes	** NA **			None
109	M109	OOOOOX					Yes	** NA **			None
110	M110	OOOOOX					Yes	** NA **			None
111	M111	OOOOOX					Yes	** NA **			None
112	M112	OOOOOX					Yes	** NA **			None
113	M113						Yes				None
114	M114						Yes				None
115	M115						Yes				None
116	M116	BenPIN	BenPIN				Yes				None
117	M117	BenPIN	BenPIN				Yes				None
118	M118	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-21.85	1
2	MP3A	My	-.015	1
3	MP3A	Mz	.007	1
4	MP3A	Y	-21.85	5
5	MP3A	My	-.015	5
6	MP3A	Mz	.007	5
7	MP3B	Y	-21.85	1
8	MP3B	My	.005	1
9	MP3B	Mz	-.016	1
10	MP3B	Y	-21.85	5
11	MP3B	My	.005	5
12	MP3B	Mz	-.016	5
13	MP3C	Y	-21.85	1
14	MP3C	My	.012	1
15	MP3C	Mz	.012	1
16	MP3C	Y	-21.85	5
17	MP3C	My	.012	5
18	MP3C	Mz	.012	5
19	MP3A	Y	-21.85	1
20	MP3A	My	-.005	1
21	MP3A	Mz	-.016	1
22	MP3A	Y	-21.85	5
23	MP3A	My	-.005	5
24	MP3A	Mz	-.016	5
25	MP3B	Y	-21.85	1
26	MP3B	My	.015	1
27	MP3B	Mz	.007	1
28	MP3B	Y	-21.85	5
29	MP3B	My	.015	5
30	MP3B	Mz	.007	5
31	MP3C	Y	-21.85	1
32	MP3C	My	-.014	1
33	MP3C	Mz	.01	1
34	MP3C	Y	-21.85	5
35	MP3C	My	-.014	5
36	MP3C	Mz	.01	5
37	MP4A	Y	-43.55	2
38	MP4A	My	-.02	2
39	MP4A	Mz	-.009	2
40	MP4A	Y	-43.55	4
41	MP4A	My	-.02	4
42	MP4A	Mz	-.009	4
43	MP4B	Y	-43.55	2
44	MP4B	My	.02	2
45	MP4B	Mz	-.009	2
46	MP4B	Y	-43.55	4
47	MP4B	My	.02	4
48	MP4B	Mz	-.009	4
49	MP4C	Y	-43.55	2
50	MP4C	My	-.002	2
51	MP4C	Mz	.022	2
52	MP4C	Y	-43.55	4
53	MP4C	My	-.002	4
54	MP4C	Mz	.022	4
55	M86	Y	-32	1.5
56	M86	My	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	M86	Mz	0	1.5
58	MP2A	Y	-84.4	2.5
59	MP2A	My	.038	2.5
60	MP2A	Mz	.018	2.5
61	MP2B	Y	-84.4	2.5
62	MP2B	My	-.038	2.5
63	MP2B	Mz	.018	2.5
64	MP2C	Y	-84.4	2.5
65	MP2C	My	.004	2.5
66	MP2C	Mz	-.042	2.5
67	MP3A	Y	-70.3	2.5
68	MP3A	My	.032	2.5
69	MP3A	Mz	.015	2.5
70	MP3B	Y	-70.3	2.5
71	MP3B	My	-.032	2.5
72	MP3B	Mz	.015	2.5
73	MP3C	Y	-70.3	2.5
74	MP3C	My	.003	2.5
75	MP3C	Mz	-.035	2.5
76	MP1A	Y	-8.5	.5
77	MP1A	My	-.004	.5
78	MP1A	Mz	-.002	.5
79	MP1A	Y	-8.5	5.5
80	MP1A	My	-.004	5.5
81	MP1A	Mz	-.002	5.5
82	MP1B	Y	-8.5	.5
83	MP1B	My	.004	.5
84	MP1B	Mz	-.002	.5
85	MP1B	Y	-8.5	5.5
86	MP1B	My	.004	5.5
87	MP1B	Mz	-.002	5.5
88	MP1C	Y	-8.5	.5
89	MP1C	My	-.00037	.5
90	MP1C	Mz	.004	.5
91	MP1C	Y	-8.5	5.5
92	MP1C	My	-.00037	5.5
93	MP1C	Mz	.004	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-97.058	1
2	MP3A	My	-.068	1
3	MP3A	Mz	.031	1
4	MP3A	Y	-97.058	5
5	MP3A	My	-.068	5
6	MP3A	Mz	.031	5
7	MP3B	Y	-97.058	1
8	MP3B	My	.02	1
9	MP3B	Mz	-.072	1
10	MP3B	Y	-97.058	5
11	MP3B	My	.02	5
12	MP3B	Mz	-.072	5
13	MP3C	Y	-97.058	1
14	MP3C	My	.052	1
15	MP3C	Mz	.053	1
16	MP3C	Y	-97.058	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	My	.052	5
18	MP3C	Mz	.053	5
19	MP3A	Y	-97.058	1
20	MP3A	My	-.02	1
21	MP3A	Mz	-.072	1
22	MP3A	Y	-97.058	5
23	MP3A	My	-.02	5
24	MP3A	Mz	-.072	5
25	MP3B	Y	-97.058	1
26	MP3B	My	.068	1
27	MP3B	Mz	.031	1
28	MP3B	Y	-97.058	5
29	MP3B	My	.068	5
30	MP3B	Mz	.031	5
31	MP3C	Y	-97.058	1
32	MP3C	My	-.061	1
33	MP3C	Mz	.043	1
34	MP3C	Y	-97.058	5
35	MP3C	My	-.061	5
36	MP3C	Mz	.043	5
37	MP4A	Y	-57.302	2
38	MP4A	My	-.026	2
39	MP4A	Mz	-.012	2
40	MP4A	Y	-57.302	4
41	MP4A	My	-.026	4
42	MP4A	Mz	-.012	4
43	MP4B	Y	-57.302	2
44	MP4B	My	.026	2
45	MP4B	Mz	-.012	2
46	MP4B	Y	-57.302	4
47	MP4B	My	.026	4
48	MP4B	Mz	-.012	4
49	MP4C	Y	-57.302	2
50	MP4C	My	-.002	2
51	MP4C	Mz	.029	2
52	MP4C	Y	-57.302	4
53	MP4C	My	-.002	4
54	MP4C	Mz	.029	4
55	M86	Y	-140.14	1.5
56	M86	My	0	1.5
57	M86	Mz	0	1.5
58	MP2A	Y	-72.851	2.5
59	MP2A	My	.033	2.5
60	MP2A	Mz	.015	2.5
61	MP2B	Y	-72.851	2.5
62	MP2B	My	-.033	2.5
63	MP2B	Mz	.015	2.5
64	MP2C	Y	-72.851	2.5
65	MP2C	My	.003	2.5
66	MP2C	Mz	-.036	2.5
67	MP3A	Y	-65.784	2.5
68	MP3A	My	.03	2.5
69	MP3A	Mz	.014	2.5
70	MP3B	Y	-65.784	2.5
71	MP3B	My	-.03	2.5
72	MP3B	Mz	.014	2.5
73	MP3C	Y	-65.784	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	My	.003	2.5
75	MP3C	Mz	-.033	2.5
76	MP1A	Y	-80.068	.5
77	MP1A	My	-.036	.5
78	MP1A	Mz	-.017	.5
79	MP1A	Y	-80.068	5.5
80	MP1A	My	-.036	5.5
81	MP1A	Mz	-.017	5.5
82	MP1B	Y	-80.068	.5
83	MP1B	My	.036	.5
84	MP1B	Mz	-.017	.5
85	MP1B	Y	-80.068	5.5
86	MP1B	My	.036	5.5
87	MP1B	Mz	-.017	5.5
88	MP1C	Y	-80.068	.5
89	MP1C	My	-.003	.5
90	MP1C	Mz	.04	.5
91	MP1C	Y	-80.068	5.5
92	MP1C	My	-.003	5.5
93	MP1C	Mz	.04	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-118.318	1
3	MP3A	Mx	-.038	1
4	MP3A	X	0	5
5	MP3A	Z	-118.318	5
6	MP3A	Mx	-.038	5
7	MP3B	X	0	1
8	MP3B	Z	-118.318	1
9	MP3B	Mx	.088	1
10	MP3B	X	0	5
11	MP3B	Z	-118.318	5
12	MP3B	Mx	.088	5
13	MP3C	X	0	1
14	MP3C	Z	-83.583	1
15	MP3C	Mx	-.046	1
16	MP3C	X	0	5
17	MP3C	Z	-83.583	5
18	MP3C	Mx	-.046	5
19	MP3A	X	0	1
20	MP3A	Z	-118.318	1
21	MP3A	Mx	.088	1
22	MP3A	X	0	5
23	MP3A	Z	-118.318	5
24	MP3A	Mx	.088	5
25	MP3B	X	0	1
26	MP3B	Z	-118.318	1
27	MP3B	Mx	-.038	1
28	MP3B	X	0	5
29	MP3B	Z	-118.318	5
30	MP3B	Mx	-.038	5
31	MP3C	X	0	1
32	MP3C	Z	-83.583	1
33	MP3C	Mx	-.037	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	0	5
35	MP3C	Z	-83.583	5
36	MP3C	Mx	-.037	5
37	MP4A	X	0	2
38	MP4A	Z	-65.296	2
39	MP4A	Mx	.014	2
40	MP4A	X	0	4
41	MP4A	Z	-65.296	4
42	MP4A	Mx	.014	4
43	MP4B	X	0	2
44	MP4B	Z	-65.296	2
45	MP4B	Mx	.014	2
46	MP4B	X	0	4
47	MP4B	Z	-65.296	4
48	MP4B	Mx	.014	4
49	MP4C	X	0	2
50	MP4C	Z	-29.019	2
51	MP4C	Mx	-.014	2
52	MP4C	X	0	4
53	MP4C	Z	-29.019	4
54	MP4C	Mx	-.014	4
55	M86	X	0	1.5
56	M86	Z	-106.431	1.5
57	M86	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	-54.842	2.5
60	MP2A	Mx	-.012	2.5
61	MP2B	X	0	2.5
62	MP2B	Z	-54.842	2.5
63	MP2B	Mx	-.012	2.5
64	MP2C	X	0	2.5
65	MP2C	Z	-39.114	2.5
66	MP2C	Mx	.019	2.5
67	MP3A	X	0	2.5
68	MP3A	Z	-53.52	2.5
69	MP3A	Mx	-.011	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	-53.52	2.5
72	MP3B	Mx	-.011	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	-31.766	2.5
75	MP3C	Mx	.016	2.5
76	MP1A	X	0	.5
77	MP1A	Z	-107.372	.5
78	MP1A	Mx	.023	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-107.372	5.5
81	MP1A	Mx	.023	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-107.372	.5
84	MP1B	Mx	.023	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-107.372	5.5
87	MP1B	Mx	.023	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-58.987	.5
90	MP1C	Mx	-.029	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	X	0	5.5
92	MP1C	Z	-58.987	5.5
93	MP1C	Mx	-.029	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	62.808	1
2	MP3A	Z	-108.787	1
3	MP3A	Mx	-.078	1
4	MP3A	X	62.808	5
5	MP3A	Z	-108.787	5
6	MP3A	Mx	-.078	5
7	MP3B	X	48.651	1
8	MP3B	Z	-84.265	1
9	MP3B	Mx	.072	1
10	MP3B	X	48.651	5
11	MP3B	Z	-84.265	5
12	MP3B	Mx	.072	5
13	MP3C	X	45.441	1
14	MP3C	Z	-78.707	1
15	MP3C	Mx	-.019	1
16	MP3C	X	45.441	5
17	MP3C	Z	-78.707	5
18	MP3C	Mx	-.019	5
19	MP3A	X	62.808	1
20	MP3A	Z	-108.787	1
21	MP3A	Mx	.068	1
22	MP3A	X	62.808	5
23	MP3A	Z	-108.787	5
24	MP3A	Mx	.068	5
25	MP3B	X	48.651	1
26	MP3B	Z	-84.265	1
27	MP3B	Mx	.007	1
28	MP3B	X	48.651	5
29	MP3B	Z	-84.265	5
30	MP3B	Mx	.007	5
31	MP3C	X	45.441	1
32	MP3C	Z	-78.707	1
33	MP3C	Mx	-.064	1
34	MP3C	X	45.441	5
35	MP3C	Z	-78.707	5
36	MP3C	Mx	-.064	5
37	MP4A	X	36.46	2
38	MP4A	Z	-63.15	2
39	MP4A	Mx	-.003	2
40	MP4A	X	36.46	4
41	MP4A	Z	-63.15	4
42	MP4A	Mx	-.003	4
43	MP4B	X	21.673	2
44	MP4B	Z	-37.539	2
45	MP4B	Mx	.018	2
46	MP4B	X	21.673	4
47	MP4B	Z	-37.539	4
48	MP4B	Mx	.018	4
49	MP4C	X	18.321	2
50	MP4C	Z	-31.733	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	-.017	2
52	MP4C	X	18.321	4
53	MP4C	Z	-31.733	4
54	MP4C	Mx	-.017	4
55	M86	X	48.394	1.5
56	M86	Z	-83.821	1.5
57	M86	Mx	0	1.5
58	MP2A	X	29.074	2.5
59	MP2A	Z	-50.357	2.5
60	MP2A	Mx	.003	2.5
61	MP2B	X	22.663	2.5
62	MP2B	Z	-39.253	2.5
63	MP2B	Mx	-.019	2.5
64	MP2C	X	21.209	2.5
65	MP2C	Z	-36.736	2.5
66	MP2C	Mx	.019	2.5
67	MP3A	X	29.046	2.5
68	MP3A	Z	-50.309	2.5
69	MP3A	Mx	.003	2.5
70	MP3B	X	20.179	2.5
71	MP3B	Z	-34.951	2.5
72	MP3B	Mx	-.017	2.5
73	MP3C	X	18.169	2.5
74	MP3C	Z	-31.469	2.5
75	MP3C	Mx	.016	2.5
76	MP1A	X	58.77	.5
77	MP1A	Z	-101.793	.5
78	MP1A	Mx	-.005	.5
79	MP1A	X	58.77	5.5
80	MP1A	Z	-101.793	5.5
81	MP1A	Mx	-.005	5.5
82	MP1B	X	39.048	.5
83	MP1B	Z	-67.633	.5
84	MP1B	Mx	.032	.5
85	MP1B	X	39.048	5.5
86	MP1B	Z	-67.633	5.5
87	MP1B	Mx	.032	5.5
88	MP1C	X	34.577	.5
89	MP1C	Z	-59.89	.5
90	MP1C	Mx	-.031	.5
91	MP1C	X	34.577	5.5
92	MP1C	Z	-59.89	5.5
93	MP1C	Mx	-.031	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	96.908	1
2	MP3A	Z	-55.95	1
3	MP3A	Mx	-.086	1
4	MP3A	X	96.908	5
5	MP3A	Z	-55.95	5
6	MP3A	Mx	-.086	5
7	MP3B	X	72.385	1
8	MP3B	Z	-41.792	1
9	MP3B	Mx	.046	1
10	MP3B	X	72.385	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	-41.792	5
12	MP3B	Mx	.046	5
13	MP3C	X	96.908	1
14	MP3C	Z	-55.95	1
15	MP3C	Mx	.021	1
16	MP3C	X	96.908	5
17	MP3C	Z	-55.95	5
18	MP3C	Mx	.021	5
19	MP3A	X	96.908	1
20	MP3A	Z	-55.95	1
21	MP3A	Mx	.021	1
22	MP3A	X	96.908	5
23	MP3A	Z	-55.95	5
24	MP3A	Mx	.021	5
25	MP3B	X	72.385	1
26	MP3B	Z	-41.792	1
27	MP3B	Mx	.037	1
28	MP3B	X	72.385	5
29	MP3B	Z	-41.792	5
30	MP3B	Mx	.037	5
31	MP3C	X	96.908	1
32	MP3C	Z	-55.95	1
33	MP3C	Mx	-.086	1
34	MP3C	X	96.908	5
35	MP3C	Z	-55.95	5
36	MP3C	Mx	-.086	5
37	MP4A	X	50.742	2
38	MP4A	Z	-29.296	2
39	MP4A	Mx	-.017	2
40	MP4A	X	50.742	4
41	MP4A	Z	-29.296	4
42	MP4A	Mx	-.017	4
43	MP4B	X	25.131	2
44	MP4B	Z	-14.509	2
45	MP4B	Mx	.014	2
46	MP4B	X	25.131	4
47	MP4B	Z	-14.509	4
48	MP4B	Mx	.014	4
49	MP4C	X	50.742	2
50	MP4C	Z	-29.296	2
51	MP4C	Mx	-.017	2
52	MP4C	X	50.742	4
53	MP4C	Z	-29.296	4
54	MP4C	Mx	-.017	4
55	M86	X	88.264	1.5
56	M86	Z	-50.959	1.5
57	M86	Mx	0	1.5
58	MP2A	X	44.978	2.5
59	MP2A	Z	-25.968	2.5
60	MP2A	Mx	.015	2.5
61	MP2B	X	33.873	2.5
62	MP2B	Z	-19.557	2.5
63	MP2B	Mx	-.019	2.5
64	MP2C	X	44.978	2.5
65	MP2C	Z	-25.968	2.5
66	MP2C	Mx	.015	2.5
67	MP3A	X	42.868	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP3A	Z	-24.75	2.5
69	MP3A	Mx	.014	2.5
70	MP3B	X	27.51	2.5
71	MP3B	Z	-15.883	2.5
72	MP3B	Mx	-.016	2.5
73	MP3C	X	42.868	2.5
74	MP3C	Z	-24.75	2.5
75	MP3C	Mx	.014	2.5
76	MP1A	X	85.244	.5
77	MP1A	Z	-49.216	.5
78	MP1A	Mx	-.028	.5
79	MP1A	X	85.244	5.5
80	MP1A	Z	-49.216	5.5
81	MP1A	Mx	-.028	5.5
82	MP1B	X	51.084	.5
83	MP1B	Z	-29.493	.5
84	MP1B	Mx	.029	.5
85	MP1B	X	51.084	5.5
86	MP1B	Z	-29.493	5.5
87	MP1B	Mx	.029	5.5
88	MP1C	X	85.244	.5
89	MP1C	Z	-49.216	.5
90	MP1C	Mx	-.028	.5
91	MP1C	X	85.244	5.5
92	MP1C	Z	-49.216	5.5
93	MP1C	Mx	-.028	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	90.882	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.064	1
4	MP3A	X	90.882	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.064	5
7	MP3B	X	90.882	1
8	MP3B	Z	0	1
9	MP3B	Mx	.019	1
10	MP3B	X	90.882	5
11	MP3B	Z	0	5
12	MP3B	Mx	.019	5
13	MP3C	X	125.617	1
14	MP3C	Z	0	1
15	MP3C	Mx	.068	1
16	MP3C	X	125.617	5
17	MP3C	Z	0	5
18	MP3C	Mx	.068	5
19	MP3A	X	90.882	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.019	1
22	MP3A	X	90.882	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.019	5
25	MP3B	X	90.882	1
26	MP3B	Z	0	1
27	MP3B	Mx	.064	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	90.882	5
29	MP3B	Z	0	5
30	MP3B	Mx	.064	5
31	MP3C	X	125.617	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.078	1
34	MP3C	X	125.617	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.078	5
37	MP4A	X	36.642	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.017	2
40	MP4A	X	36.642	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.017	4
43	MP4B	X	36.642	2
44	MP4B	Z	0	2
45	MP4B	Mx	.017	2
46	MP4B	X	36.642	4
47	MP4B	Z	0	4
48	MP4B	Mx	.017	4
49	MP4C	X	72.919	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.003	2
52	MP4C	X	72.919	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.003	4
55	M86	X	116.693	1.5
56	M86	Z	0	1.5
57	M86	Mx	0	1.5
58	MP2A	X	42.419	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	.019	2.5
61	MP2B	X	42.419	2.5
62	MP2B	Z	0	2.5
63	MP2B	Mx	-.019	2.5
64	MP2C	X	58.148	2.5
65	MP2C	Z	0	2.5
66	MP2C	Mx	.003	2.5
67	MP3A	X	36.338	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	.016	2.5
70	MP3B	X	36.338	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	-.016	2.5
73	MP3C	X	58.091	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	.003	2.5
76	MP1A	X	69.154	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.031	.5
79	MP1A	X	69.154	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.031	5.5
82	MP1B	X	69.154	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.031	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1B	X	69.154	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	.031	5.5
88	MP1C	X	117.54	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-.005	.5
91	MP1C	X	117.54	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	72.385	1
2	MP3A	Z	41.792	1
3	MP3A	Mx	-.037	1
4	MP3A	X	72.385	5
5	MP3A	Z	41.792	5
6	MP3A	Mx	-.037	5
7	MP3B	X	96.908	1
8	MP3B	Z	55.95	1
9	MP3B	Mx	-.021	1
10	MP3B	X	96.908	5
11	MP3B	Z	55.95	5
12	MP3B	Mx	-.021	5
13	MP3C	X	102.466	1
14	MP3C	Z	59.159	1
15	MP3C	Mx	.088	1
16	MP3C	X	102.466	5
17	MP3C	Z	59.159	5
18	MP3C	Mx	.088	5
19	MP3A	X	72.385	1
20	MP3A	Z	41.792	1
21	MP3A	Mx	-.046	1
22	MP3A	X	72.385	5
23	MP3A	Z	41.792	5
24	MP3A	Mx	-.046	5
25	MP3B	X	96.908	1
26	MP3B	Z	55.95	1
27	MP3B	Mx	.086	1
28	MP3B	X	96.908	5
29	MP3B	Z	55.95	5
30	MP3B	Mx	.086	5
31	MP3C	X	102.466	1
32	MP3C	Z	59.159	1
33	MP3C	Mx	-.038	1
34	MP3C	X	102.466	5
35	MP3C	Z	59.159	5
36	MP3C	Mx	-.038	5
37	MP4A	X	25.131	2
38	MP4A	Z	14.509	2
39	MP4A	Mx	-.014	2
40	MP4A	X	25.131	4
41	MP4A	Z	14.509	4
42	MP4A	Mx	-.014	4
43	MP4B	X	50.742	2
44	MP4B	Z	29.296	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP4B	Mx	.017	2
46	MP4B	X	50.742	4
47	MP4B	Z	29.296	4
48	MP4B	Mx	.017	4
49	MP4C	X	56.548	2
50	MP4C	Z	32.648	2
51	MP4C	Mx	.014	2
52	MP4C	X	56.548	4
53	MP4C	Z	32.648	4
54	MP4C	Mx	.014	4
55	M86	X	109.411	1.5
56	M86	Z	63.168	1.5
57	M86	Mx	0	1.5
58	MP2A	X	33.873	2.5
59	MP2A	Z	19.557	2.5
60	MP2A	Mx	.019	2.5
61	MP2B	X	44.978	2.5
62	MP2B	Z	25.968	2.5
63	MP2B	Mx	-.015	2.5
64	MP2C	X	47.495	2.5
65	MP2C	Z	27.421	2.5
66	MP2C	Mx	-.012	2.5
67	MP3A	X	27.51	2.5
68	MP3A	Z	15.883	2.5
69	MP3A	Mx	.016	2.5
70	MP3B	X	42.868	2.5
71	MP3B	Z	24.75	2.5
72	MP3B	Mx	-.014	2.5
73	MP3C	X	46.35	2.5
74	MP3C	Z	26.76	2.5
75	MP3C	Mx	-.011	2.5
76	MP1A	X	51.084	.5
77	MP1A	Z	29.493	.5
78	MP1A	Mx	-.029	.5
79	MP1A	X	51.084	5.5
80	MP1A	Z	29.493	5.5
81	MP1A	Mx	-.029	5.5
82	MP1B	X	85.244	.5
83	MP1B	Z	49.216	.5
84	MP1B	Mx	.028	.5
85	MP1B	X	85.244	5.5
86	MP1B	Z	49.216	5.5
87	MP1B	Mx	.028	5.5
88	MP1C	X	92.987	.5
89	MP1C	Z	53.686	.5
90	MP1C	Mx	.023	.5
91	MP1C	X	92.987	5.5
92	MP1C	Z	53.686	5.5
93	MP1C	Mx	.023	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	48.651	1
2	MP3A	Z	84.265	1
3	MP3A	Mx	-.007	1
4	MP3A	X	48.651	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP3A	Z	84.265	5
6	MP3A	Mx	-.007	5
7	MP3B	X	62.808	1
8	MP3B	Z	108.787	1
9	MP3B	Mx	-.068	1
10	MP3B	X	62.808	5
11	MP3B	Z	108.787	5
12	MP3B	Mx	-.068	5
13	MP3C	X	48.651	1
14	MP3C	Z	84.265	1
15	MP3C	Mx	.072	1
16	MP3C	X	48.651	5
17	MP3C	Z	84.265	5
18	MP3C	Mx	.072	5
19	MP3A	X	48.651	1
20	MP3A	Z	84.265	1
21	MP3A	Mx	-.072	1
22	MP3A	X	48.651	5
23	MP3A	Z	84.265	5
24	MP3A	Mx	-.072	5
25	MP3B	X	62.808	1
26	MP3B	Z	108.787	1
27	MP3B	Mx	.078	1
28	MP3B	X	62.808	5
29	MP3B	Z	108.787	5
30	MP3B	Mx	.078	5
31	MP3C	X	48.651	1
32	MP3C	Z	84.265	1
33	MP3C	Mx	.007	1
34	MP3C	X	48.651	5
35	MP3C	Z	84.265	5
36	MP3C	Mx	.007	5
37	MP4A	X	21.673	2
38	MP4A	Z	37.539	2
39	MP4A	Mx	-.018	2
40	MP4A	X	21.673	4
41	MP4A	Z	37.539	4
42	MP4A	Mx	-.018	4
43	MP4B	X	36.46	2
44	MP4B	Z	63.15	2
45	MP4B	Mx	.003	2
46	MP4B	X	36.46	4
47	MP4B	Z	63.15	4
48	MP4B	Mx	.003	4
49	MP4C	X	21.673	2
50	MP4C	Z	37.539	2
51	MP4C	Mx	.018	2
52	MP4C	X	21.673	4
53	MP4C	Z	37.539	4
54	MP4C	Mx	.018	4
55	M86	X	60.603	1.5
56	M86	Z	104.967	1.5
57	M86	Mx	0	1.5
58	MP2A	X	22.663	2.5
59	MP2A	Z	39.253	2.5
60	MP2A	Mx	.019	2.5
61	MP2B	X	29.074	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
62	MP2B	Z	50.357	2.5
63	MP2B	Mx	-.003	2.5
64	MP2C	X	22.663	2.5
65	MP2C	Z	39.253	2.5
66	MP2C	Mx	-.019	2.5
67	MP3A	X	20.179	2.5
68	MP3A	Z	34.951	2.5
69	MP3A	Mx	.017	2.5
70	MP3B	X	29.046	2.5
71	MP3B	Z	50.309	2.5
72	MP3B	Mx	-.003	2.5
73	MP3C	X	20.179	2.5
74	MP3C	Z	34.951	2.5
75	MP3C	Mx	-.017	2.5
76	MP1A	X	39.048	.5
77	MP1A	Z	67.633	.5
78	MP1A	Mx	-.032	.5
79	MP1A	X	39.048	5.5
80	MP1A	Z	67.633	5.5
81	MP1A	Mx	-.032	5.5
82	MP1B	X	58.77	.5
83	MP1B	Z	101.793	.5
84	MP1B	Mx	.005	.5
85	MP1B	X	58.77	5.5
86	MP1B	Z	101.793	5.5
87	MP1B	Mx	.005	5.5
88	MP1C	X	39.048	.5
89	MP1C	Z	67.633	.5
90	MP1C	Mx	.032	.5
91	MP1C	X	39.048	5.5
92	MP1C	Z	67.633	5.5
93	MP1C	Mx	.032	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	118.318	1
3	MP3A	Mx	.038	1
4	MP3A	X	0	5
5	MP3A	Z	118.318	5
6	MP3A	Mx	.038	5
7	MP3B	X	0	1
8	MP3B	Z	118.318	1
9	MP3B	Mx	-.088	1
10	MP3B	X	0	5
11	MP3B	Z	118.318	5
12	MP3B	Mx	-.088	5
13	MP3C	X	0	1
14	MP3C	Z	83.583	1
15	MP3C	Mx	.046	1
16	MP3C	X	0	5
17	MP3C	Z	83.583	5
18	MP3C	Mx	.046	5
19	MP3A	X	0	1
20	MP3A	Z	118.318	1
21	MP3A	Mx	-.088	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP3A	X	0	5
23	MP3A	Z	118.318	5
24	MP3A	Mx	-.088	5
25	MP3B	X	0	1
26	MP3B	Z	118.318	1
27	MP3B	Mx	.038	1
28	MP3B	X	0	5
29	MP3B	Z	118.318	5
30	MP3B	Mx	.038	5
31	MP3C	X	0	1
32	MP3C	Z	83.583	1
33	MP3C	Mx	.037	1
34	MP3C	X	0	5
35	MP3C	Z	83.583	5
36	MP3C	Mx	.037	5
37	MP4A	X	0	2
38	MP4A	Z	65.296	2
39	MP4A	Mx	-.014	2
40	MP4A	X	0	4
41	MP4A	Z	65.296	4
42	MP4A	Mx	-.014	4
43	MP4B	X	0	2
44	MP4B	Z	65.296	2
45	MP4B	Mx	-.014	2
46	MP4B	X	0	4
47	MP4B	Z	65.296	4
48	MP4B	Mx	-.014	4
49	MP4C	X	0	2
50	MP4C	Z	29.019	2
51	MP4C	Mx	.014	2
52	MP4C	X	0	4
53	MP4C	Z	29.019	4
54	MP4C	Mx	.014	4
55	M86	X	0	1.5
56	M86	Z	106.431	1.5
57	M86	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	54.842	2.5
60	MP2A	Mx	.012	2.5
61	MP2B	X	0	2.5
62	MP2B	Z	54.842	2.5
63	MP2B	Mx	.012	2.5
64	MP2C	X	0	2.5
65	MP2C	Z	39.114	2.5
66	MP2C	Mx	-.019	2.5
67	MP3A	X	0	2.5
68	MP3A	Z	53.52	2.5
69	MP3A	Mx	.011	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	53.52	2.5
72	MP3B	Mx	.011	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	31.766	2.5
75	MP3C	Mx	-.016	2.5
76	MP1A	X	0	.5
77	MP1A	Z	107.372	.5
78	MP1A	Mx	-.023	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP1A	X	0	5.5
80	MP1A	Z	107.372	5.5
81	MP1A	Mx	-.023	5.5
82	MP1B	X	0	.5
83	MP1B	Z	107.372	.5
84	MP1B	Mx	-.023	.5
85	MP1B	X	0	5.5
86	MP1B	Z	107.372	5.5
87	MP1B	Mx	-.023	5.5
88	MP1C	X	0	.5
89	MP1C	Z	58.987	.5
90	MP1C	Mx	.029	.5
91	MP1C	X	0	5.5
92	MP1C	Z	58.987	5.5
93	MP1C	Mx	.029	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-62.808	1
2	MP3A	Z	108.787	1
3	MP3A	Mx	.078	1
4	MP3A	X	-62.808	5
5	MP3A	Z	108.787	5
6	MP3A	Mx	.078	5
7	MP3B	X	-48.651	1
8	MP3B	Z	84.265	1
9	MP3B	Mx	-.072	1
10	MP3B	X	-48.651	5
11	MP3B	Z	84.265	5
12	MP3B	Mx	-.072	5
13	MP3C	X	-45.441	1
14	MP3C	Z	78.707	1
15	MP3C	Mx	.019	1
16	MP3C	X	-45.441	5
17	MP3C	Z	78.707	5
18	MP3C	Mx	.019	5
19	MP3A	X	-62.808	1
20	MP3A	Z	108.787	1
21	MP3A	Mx	-.068	1
22	MP3A	X	-62.808	5
23	MP3A	Z	108.787	5
24	MP3A	Mx	-.068	5
25	MP3B	X	-48.651	1
26	MP3B	Z	84.265	1
27	MP3B	Mx	-.007	1
28	MP3B	X	-48.651	5
29	MP3B	Z	84.265	5
30	MP3B	Mx	-.007	5
31	MP3C	X	-45.441	1
32	MP3C	Z	78.707	1
33	MP3C	Mx	.064	1
34	MP3C	X	-45.441	5
35	MP3C	Z	78.707	5
36	MP3C	Mx	.064	5
37	MP4A	X	-36.46	2
38	MP4A	Z	63.15	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP4A	Mx	.003	2
40	MP4A	X	-36.46	4
41	MP4A	Z	63.15	4
42	MP4A	Mx	.003	4
43	MP4B	X	-21.673	2
44	MP4B	Z	37.539	2
45	MP4B	Mx	-.018	2
46	MP4B	X	-21.673	4
47	MP4B	Z	37.539	4
48	MP4B	Mx	-.018	4
49	MP4C	X	-18.321	2
50	MP4C	Z	31.733	2
51	MP4C	Mx	.017	2
52	MP4C	X	-18.321	4
53	MP4C	Z	31.733	4
54	MP4C	Mx	.017	4
55	M86	X	-48.394	1.5
56	M86	Z	83.821	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-29.074	2.5
59	MP2A	Z	50.357	2.5
60	MP2A	Mx	-.003	2.5
61	MP2B	X	-22.663	2.5
62	MP2B	Z	39.253	2.5
63	MP2B	Mx	.019	2.5
64	MP2C	X	-21.209	2.5
65	MP2C	Z	36.736	2.5
66	MP2C	Mx	-.019	2.5
67	MP3A	X	-29.046	2.5
68	MP3A	Z	50.309	2.5
69	MP3A	Mx	-.003	2.5
70	MP3B	X	-20.179	2.5
71	MP3B	Z	34.951	2.5
72	MP3B	Mx	.017	2.5
73	MP3C	X	-18.169	2.5
74	MP3C	Z	31.469	2.5
75	MP3C	Mx	-.016	2.5
76	MP1A	X	-58.77	.5
77	MP1A	Z	101.793	.5
78	MP1A	Mx	.005	.5
79	MP1A	X	-58.77	5.5
80	MP1A	Z	101.793	5.5
81	MP1A	Mx	.005	5.5
82	MP1B	X	-39.048	.5
83	MP1B	Z	67.633	.5
84	MP1B	Mx	-.032	.5
85	MP1B	X	-39.048	5.5
86	MP1B	Z	67.633	5.5
87	MP1B	Mx	-.032	5.5
88	MP1C	X	-34.577	.5
89	MP1C	Z	59.89	.5
90	MP1C	Mx	.031	.5
91	MP1C	X	-34.577	5.5
92	MP1C	Z	59.89	5.5
93	MP1C	Mx	.031	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-96.908	1
2	MP3A	Z	55.95	1
3	MP3A	Mx	.086	1
4	MP3A	X	-96.908	5
5	MP3A	Z	55.95	5
6	MP3A	Mx	.086	5
7	MP3B	X	-72.385	1
8	MP3B	Z	41.792	1
9	MP3B	Mx	-.046	1
10	MP3B	X	-72.385	5
11	MP3B	Z	41.792	5
12	MP3B	Mx	-.046	5
13	MP3C	X	-96.908	1
14	MP3C	Z	55.95	1
15	MP3C	Mx	-.021	1
16	MP3C	X	-96.908	5
17	MP3C	Z	55.95	5
18	MP3C	Mx	-.021	5
19	MP3A	X	-96.908	1
20	MP3A	Z	55.95	1
21	MP3A	Mx	-.021	1
22	MP3A	X	-96.908	5
23	MP3A	Z	55.95	5
24	MP3A	Mx	-.021	5
25	MP3B	X	-72.385	1
26	MP3B	Z	41.792	1
27	MP3B	Mx	-.037	1
28	MP3B	X	-72.385	5
29	MP3B	Z	41.792	5
30	MP3B	Mx	-.037	5
31	MP3C	X	-96.908	1
32	MP3C	Z	55.95	1
33	MP3C	Mx	.086	1
34	MP3C	X	-96.908	5
35	MP3C	Z	55.95	5
36	MP3C	Mx	.086	5
37	MP4A	X	-50.742	2
38	MP4A	Z	29.296	2
39	MP4A	Mx	.017	2
40	MP4A	X	-50.742	4
41	MP4A	Z	29.296	4
42	MP4A	Mx	.017	4
43	MP4B	X	-25.131	2
44	MP4B	Z	14.509	2
45	MP4B	Mx	-.014	2
46	MP4B	X	-25.131	4
47	MP4B	Z	14.509	4
48	MP4B	Mx	-.014	4
49	MP4C	X	-50.742	2
50	MP4C	Z	29.296	2
51	MP4C	Mx	.017	2
52	MP4C	X	-50.742	4
53	MP4C	Z	29.296	4
54	MP4C	Mx	.017	4
55	M86	X	-88.264	1.5
56	M86	Z	50.959	1.5
57	M86	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	-44.978	2.5
59	MP2A	Z	25.968	2.5
60	MP2A	Mx	-.015	2.5
61	MP2B	X	-33.873	2.5
62	MP2B	Z	19.557	2.5
63	MP2B	Mx	.019	2.5
64	MP2C	X	-44.978	2.5
65	MP2C	Z	25.968	2.5
66	MP2C	Mx	-.015	2.5
67	MP3A	X	-42.868	2.5
68	MP3A	Z	24.75	2.5
69	MP3A	Mx	-.014	2.5
70	MP3B	X	-27.51	2.5
71	MP3B	Z	15.883	2.5
72	MP3B	Mx	.016	2.5
73	MP3C	X	-42.868	2.5
74	MP3C	Z	24.75	2.5
75	MP3C	Mx	-.014	2.5
76	MP1A	X	-85.244	.5
77	MP1A	Z	49.216	.5
78	MP1A	Mx	.028	.5
79	MP1A	X	-85.244	5.5
80	MP1A	Z	49.216	5.5
81	MP1A	Mx	.028	5.5
82	MP1B	X	-51.084	.5
83	MP1B	Z	29.493	.5
84	MP1B	Mx	-.029	.5
85	MP1B	X	-51.084	5.5
86	MP1B	Z	29.493	5.5
87	MP1B	Mx	-.029	5.5
88	MP1C	X	-85.244	.5
89	MP1C	Z	49.216	.5
90	MP1C	Mx	.028	.5
91	MP1C	X	-85.244	5.5
92	MP1C	Z	49.216	5.5
93	MP1C	Mx	.028	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-90.882	1
2	MP3A	Z	0	1
3	MP3A	Mx	.064	1
4	MP3A	X	-90.882	5
5	MP3A	Z	0	5
6	MP3A	Mx	.064	5
7	MP3B	X	-90.882	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.019	1
10	MP3B	X	-90.882	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.019	5
13	MP3C	X	-125.617	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.068	1
16	MP3C	X	-125.617	5
17	MP3C	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.068	5
19	MP3A	X	-90.882	1
20	MP3A	Z	0	1
21	MP3A	Mx	.019	1
22	MP3A	X	-90.882	5
23	MP3A	Z	0	5
24	MP3A	Mx	.019	5
25	MP3B	X	-90.882	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.064	1
28	MP3B	X	-90.882	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.064	5
31	MP3C	X	-125.617	1
32	MP3C	Z	0	1
33	MP3C	Mx	.078	1
34	MP3C	X	-125.617	5
35	MP3C	Z	0	5
36	MP3C	Mx	.078	5
37	MP4A	X	-36.642	2
38	MP4A	Z	0	2
39	MP4A	Mx	.017	2
40	MP4A	X	-36.642	4
41	MP4A	Z	0	4
42	MP4A	Mx	.017	4
43	MP4B	X	-36.642	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.017	2
46	MP4B	X	-36.642	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.017	4
49	MP4C	X	-72.919	2
50	MP4C	Z	0	2
51	MP4C	Mx	.003	2
52	MP4C	X	-72.919	4
53	MP4C	Z	0	4
54	MP4C	Mx	.003	4
55	M86	X	-116.693	1.5
56	M86	Z	0	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-42.419	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	-.019	2.5
61	MP2B	X	-42.419	2.5
62	MP2B	Z	0	2.5
63	MP2B	Mx	.019	2.5
64	MP2C	X	-58.148	2.5
65	MP2C	Z	0	2.5
66	MP2C	Mx	-.003	2.5
67	MP3A	X	-36.338	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	-.016	2.5
70	MP3B	X	-36.338	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	.016	2.5
73	MP3C	X	-58.091	2.5
74	MP3C	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	-.003	2.5
76	MP1A	X	-69.154	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.031	.5
79	MP1A	X	-69.154	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.031	5.5
82	MP1B	X	-69.154	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.031	.5
85	MP1B	X	-69.154	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	-.031	5.5
88	MP1C	X	-117.54	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.005	.5
91	MP1C	X	-117.54	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-72.385	1
2	MP3A	Z	-41.792	1
3	MP3A	Mx	.037	1
4	MP3A	X	-72.385	5
5	MP3A	Z	-41.792	5
6	MP3A	Mx	.037	5
7	MP3B	X	-96.908	1
8	MP3B	Z	-55.95	1
9	MP3B	Mx	.021	1
10	MP3B	X	-96.908	5
11	MP3B	Z	-55.95	5
12	MP3B	Mx	.021	5
13	MP3C	X	-102.466	1
14	MP3C	Z	-59.159	1
15	MP3C	Mx	-.088	1
16	MP3C	X	-102.466	5
17	MP3C	Z	-59.159	5
18	MP3C	Mx	-.088	5
19	MP3A	X	-72.385	1
20	MP3A	Z	-41.792	1
21	MP3A	Mx	.046	1
22	MP3A	X	-72.385	5
23	MP3A	Z	-41.792	5
24	MP3A	Mx	.046	5
25	MP3B	X	-96.908	1
26	MP3B	Z	-55.95	1
27	MP3B	Mx	-.086	1
28	MP3B	X	-96.908	5
29	MP3B	Z	-55.95	5
30	MP3B	Mx	-.086	5
31	MP3C	X	-102.466	1
32	MP3C	Z	-59.159	1
33	MP3C	Mx	.038	1
34	MP3C	X	-102.466	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-59.159	5
36	MP3C	Mx	.038	5
37	MP4A	X	-25.131	2
38	MP4A	Z	-14.509	2
39	MP4A	Mx	.014	2
40	MP4A	X	-25.131	4
41	MP4A	Z	-14.509	4
42	MP4A	Mx	.014	4
43	MP4B	X	-50.742	2
44	MP4B	Z	-29.296	2
45	MP4B	Mx	-.017	2
46	MP4B	X	-50.742	4
47	MP4B	Z	-29.296	4
48	MP4B	Mx	-.017	4
49	MP4C	X	-56.548	2
50	MP4C	Z	-32.648	2
51	MP4C	Mx	-.014	2
52	MP4C	X	-56.548	4
53	MP4C	Z	-32.648	4
54	MP4C	Mx	-.014	4
55	M86	X	-109.411	1.5
56	M86	Z	-63.168	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-33.873	2.5
59	MP2A	Z	-19.557	2.5
60	MP2A	Mx	-.019	2.5
61	MP2B	X	-44.978	2.5
62	MP2B	Z	-25.968	2.5
63	MP2B	Mx	.015	2.5
64	MP2C	X	-47.495	2.5
65	MP2C	Z	-27.421	2.5
66	MP2C	Mx	.012	2.5
67	MP3A	X	-27.51	2.5
68	MP3A	Z	-15.883	2.5
69	MP3A	Mx	-.016	2.5
70	MP3B	X	-42.868	2.5
71	MP3B	Z	-24.75	2.5
72	MP3B	Mx	.014	2.5
73	MP3C	X	-46.35	2.5
74	MP3C	Z	-26.76	2.5
75	MP3C	Mx	.011	2.5
76	MP1A	X	-51.084	.5
77	MP1A	Z	-29.493	.5
78	MP1A	Mx	.029	.5
79	MP1A	X	-51.084	5.5
80	MP1A	Z	-29.493	5.5
81	MP1A	Mx	.029	5.5
82	MP1B	X	-85.244	.5
83	MP1B	Z	-49.216	.5
84	MP1B	Mx	-.028	.5
85	MP1B	X	-85.244	5.5
86	MP1B	Z	-49.216	5.5
87	MP1B	Mx	-.028	5.5
88	MP1C	X	-92.987	.5
89	MP1C	Z	-53.686	.5
90	MP1C	Mx	-.023	.5
91	MP1C	X	-92.987	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-53.686	5.5
93	MP1C	Mx	-.023	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-48.651	1
2	MP3A	Z	-84.265	1
3	MP3A	Mx	.007	1
4	MP3A	X	-48.651	5
5	MP3A	Z	-84.265	5
6	MP3A	Mx	.007	5
7	MP3B	X	-62.808	1
8	MP3B	Z	-108.787	1
9	MP3B	Mx	.068	1
10	MP3B	X	-62.808	5
11	MP3B	Z	-108.787	5
12	MP3B	Mx	.068	5
13	MP3C	X	-48.651	1
14	MP3C	Z	-84.265	1
15	MP3C	Mx	-.072	1
16	MP3C	X	-48.651	5
17	MP3C	Z	-84.265	5
18	MP3C	Mx	-.072	5
19	MP3A	X	-48.651	1
20	MP3A	Z	-84.265	1
21	MP3A	Mx	.072	1
22	MP3A	X	-48.651	5
23	MP3A	Z	-84.265	5
24	MP3A	Mx	.072	5
25	MP3B	X	-62.808	1
26	MP3B	Z	-108.787	1
27	MP3B	Mx	-.078	1
28	MP3B	X	-62.808	5
29	MP3B	Z	-108.787	5
30	MP3B	Mx	-.078	5
31	MP3C	X	-48.651	1
32	MP3C	Z	-84.265	1
33	MP3C	Mx	-.007	1
34	MP3C	X	-48.651	5
35	MP3C	Z	-84.265	5
36	MP3C	Mx	-.007	5
37	MP4A	X	-21.673	2
38	MP4A	Z	-37.539	2
39	MP4A	Mx	.018	2
40	MP4A	X	-21.673	4
41	MP4A	Z	-37.539	4
42	MP4A	Mx	.018	4
43	MP4B	X	-36.46	2
44	MP4B	Z	-63.15	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-36.46	4
47	MP4B	Z	-63.15	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-21.673	2
50	MP4C	Z	-37.539	2
51	MP4C	Mx	-.018	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-21.673	4
53	MP4C	Z	-37.539	4
54	MP4C	Mx	-.018	4
55	M86	X	-60.603	1.5
56	M86	Z	-104.967	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-22.663	2.5
59	MP2A	Z	-39.253	2.5
60	MP2A	Mx	-.019	2.5
61	MP2B	X	-29.074	2.5
62	MP2B	Z	-50.357	2.5
63	MP2B	Mx	.003	2.5
64	MP2C	X	-22.663	2.5
65	MP2C	Z	-39.253	2.5
66	MP2C	Mx	.019	2.5
67	MP3A	X	-20.179	2.5
68	MP3A	Z	-34.951	2.5
69	MP3A	Mx	-.017	2.5
70	MP3B	X	-29.046	2.5
71	MP3B	Z	-50.309	2.5
72	MP3B	Mx	.003	2.5
73	MP3C	X	-20.179	2.5
74	MP3C	Z	-34.951	2.5
75	MP3C	Mx	.017	2.5
76	MP1A	X	-39.048	.5
77	MP1A	Z	-67.633	.5
78	MP1A	Mx	.032	.5
79	MP1A	X	-39.048	5.5
80	MP1A	Z	-67.633	5.5
81	MP1A	Mx	.032	5.5
82	MP1B	X	-58.77	.5
83	MP1B	Z	-101.793	.5
84	MP1B	Mx	-.005	.5
85	MP1B	X	-58.77	5.5
86	MP1B	Z	-101.793	5.5
87	MP1B	Mx	-.005	5.5
88	MP1C	X	-39.048	.5
89	MP1C	Z	-67.633	.5
90	MP1C	Mx	-.032	.5
91	MP1C	X	-39.048	5.5
92	MP1C	Z	-67.633	5.5
93	MP1C	Mx	-.032	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-26.167	1
3	MP3A	Mx	-.008	1
4	MP3A	X	0	5
5	MP3A	Z	-26.167	5
6	MP3A	Mx	-.008	5
7	MP3B	X	0	1
8	MP3B	Z	-26.167	1
9	MP3B	Mx	.019	1
10	MP3B	X	0	5
11	MP3B	Z	-26.167	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.019	5
13	MP3C	X	0	1
14	MP3C	Z	-19.502	1
15	MP3C	Mx	-.011	1
16	MP3C	X	0	5
17	MP3C	Z	-19.502	5
18	MP3C	Mx	-.011	5
19	MP3A	X	0	1
20	MP3A	Z	-26.167	1
21	MP3A	Mx	.019	1
22	MP3A	X	0	5
23	MP3A	Z	-26.167	5
24	MP3A	Mx	.019	5
25	MP3B	X	0	1
26	MP3B	Z	-26.167	1
27	MP3B	Mx	-.008	1
28	MP3B	X	0	5
29	MP3B	Z	-26.167	5
30	MP3B	Mx	-.008	5
31	MP3C	X	0	1
32	MP3C	Z	-19.502	1
33	MP3C	Mx	-.009	1
34	MP3C	X	0	5
35	MP3C	Z	-19.502	5
36	MP3C	Mx	-.009	5
37	MP4A	X	0	2
38	MP4A	Z	-14.973	2
39	MP4A	Mx	.003	2
40	MP4A	X	0	4
41	MP4A	Z	-14.973	4
42	MP4A	Mx	.003	4
43	MP4B	X	0	2
44	MP4B	Z	-14.973	2
45	MP4B	Mx	.003	2
46	MP4B	X	0	4
47	MP4B	Z	-14.973	4
48	MP4B	Mx	.003	4
49	MP4C	X	0	2
50	MP4C	Z	-7.463	2
51	MP4C	Mx	-.004	2
52	MP4C	X	0	4
53	MP4C	Z	-7.463	4
54	MP4C	Mx	-.004	4
55	M86	X	0	1.5
56	M86	Z	-24.819	1.5
57	M86	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	-13.665	2.5
60	MP2A	Mx	-.003	2.5
61	MP2B	X	0	2.5
62	MP2B	Z	-13.665	2.5
63	MP2B	Mx	-.003	2.5
64	MP2C	X	0	2.5
65	MP2C	Z	-10.259	2.5
66	MP2C	Mx	.005	2.5
67	MP3A	X	0	2.5
68	MP3A	Z	-13.381	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	-.003	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	-13.381	2.5
72	MP3B	Mx	-.003	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	-8.681	2.5
75	MP3C	Mx	.004	2.5
76	MP1A	X	0	.5
77	MP1A	Z	-23.97	.5
78	MP1A	Mx	.005	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-23.97	5.5
81	MP1A	Mx	.005	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-23.97	.5
84	MP1B	Mx	.005	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-23.97	5.5
87	MP1B	Mx	.005	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-14.565	.5
90	MP1C	Mx	-.007	.5
91	MP1C	X	0	5.5
92	MP1C	Z	-14.565	5.5
93	MP1C	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	13.784	1
2	MP3A	Z	-23.875	1
3	MP3A	Mx	-.017	1
4	MP3A	X	13.784	5
5	MP3A	Z	-23.875	5
6	MP3A	Mx	-.017	5
7	MP3B	X	11.067	1
8	MP3B	Z	-19.169	1
9	MP3B	Mx	.016	1
10	MP3B	X	11.067	5
11	MP3B	Z	-19.169	5
12	MP3B	Mx	.016	5
13	MP3C	X	10.451	1
14	MP3C	Z	-18.102	1
15	MP3C	Mx	-.004	1
16	MP3C	X	10.451	5
17	MP3C	Z	-18.102	5
18	MP3C	Mx	-.004	5
19	MP3A	X	13.784	1
20	MP3A	Z	-23.875	1
21	MP3A	Mx	.015	1
22	MP3A	X	13.784	5
23	MP3A	Z	-23.875	5
24	MP3A	Mx	.015	5
25	MP3B	X	11.067	1
26	MP3B	Z	-19.169	1
27	MP3B	Mx	.002	1
28	MP3B	X	11.067	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	-19.169	5
30	MP3B	Mx	.002	5
31	MP3C	X	10.451	1
32	MP3C	Z	-18.102	1
33	MP3C	Mx	-.015	1
34	MP3C	X	10.451	5
35	MP3C	Z	-18.102	5
36	MP3C	Mx	-.015	5
37	MP4A	X	8.276	2
38	MP4A	Z	-14.334	2
39	MP4A	Mx	-.000721	2
40	MP4A	X	8.276	4
41	MP4A	Z	-14.334	4
42	MP4A	Mx	-.000721	4
43	MP4B	X	5.215	2
44	MP4B	Z	-9.032	2
45	MP4B	Mx	.004	2
46	MP4B	X	5.215	4
47	MP4B	Z	-9.032	4
48	MP4B	Mx	.004	4
49	MP4C	X	4.521	2
50	MP4C	Z	-7.83	2
51	MP4C	Mx	-.004	2
52	MP4C	X	4.521	4
53	MP4C	Z	-7.83	4
54	MP4C	Mx	-.004	4
55	M86	X	11.438	1.5
56	M86	Z	-19.812	1.5
57	M86	Mx	0	1.5
58	MP2A	X	7.19	2.5
59	MP2A	Z	-12.454	2.5
60	MP2A	Mx	.000627	2.5
61	MP2B	X	5.802	2.5
62	MP2B	Z	-10.05	2.5
63	MP2B	Mx	-.005	2.5
64	MP2C	X	5.487	2.5
65	MP2C	Z	-9.505	2.5
66	MP2C	Mx	.005	2.5
67	MP3A	X	7.184	2.5
68	MP3A	Z	-12.443	2.5
69	MP3A	Mx	.000626	2.5
70	MP3B	X	5.269	2.5
71	MP3B	Z	-9.125	2.5
72	MP3B	Mx	-.004	2.5
73	MP3C	X	4.834	2.5
74	MP3C	Z	-8.373	2.5
75	MP3C	Mx	.004	2.5
76	MP1A	X	12.973	.5
77	MP1A	Z	-22.47	.5
78	MP1A	Mx	-.001	.5
79	MP1A	X	12.973	5.5
80	MP1A	Z	-22.47	5.5
81	MP1A	Mx	-.001	5.5
82	MP1B	X	9.14	.5
83	MP1B	Z	-15.83	.5
84	MP1B	Mx	.007	.5
85	MP1B	X	9.14	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	-15.83	5.5
87	MP1B	Mx	.007	5.5
88	MP1C	X	8.271	.5
89	MP1C	Z	-14.325	.5
90	MP1C	Mx	-.007	.5
91	MP1C	X	8.271	5.5
92	MP1C	Z	-14.325	5.5
93	MP1C	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.595	1
2	MP3A	Z	-12.468	1
3	MP3A	Mx	-.019	1
4	MP3A	X	21.595	5
5	MP3A	Z	-12.468	5
6	MP3A	Mx	-.019	5
7	MP3B	X	16.889	1
8	MP3B	Z	-9.751	1
9	MP3B	Mx	.011	1
10	MP3B	X	16.889	5
11	MP3B	Z	-9.751	5
12	MP3B	Mx	.011	5
13	MP3C	X	21.595	1
14	MP3C	Z	-12.468	1
15	MP3C	Mx	.005	1
16	MP3C	X	21.595	5
17	MP3C	Z	-12.468	5
18	MP3C	Mx	.005	5
19	MP3A	X	21.595	1
20	MP3A	Z	-12.468	1
21	MP3A	Mx	.005	1
22	MP3A	X	21.595	5
23	MP3A	Z	-12.468	5
24	MP3A	Mx	.005	5
25	MP3B	X	16.889	1
26	MP3B	Z	-9.751	1
27	MP3B	Mx	.009	1
28	MP3B	X	16.889	5
29	MP3B	Z	-9.751	5
30	MP3B	Mx	.009	5
31	MP3C	X	21.595	1
32	MP3C	Z	-12.468	1
33	MP3C	Mx	-.019	1
34	MP3C	X	21.595	5
35	MP3C	Z	-12.468	5
36	MP3C	Mx	-.019	5
37	MP4A	X	11.765	2
38	MP4A	Z	-6.793	2
39	MP4A	Mx	-.004	2
40	MP4A	X	11.765	4
41	MP4A	Z	-6.793	4
42	MP4A	Mx	-.004	4
43	MP4B	X	6.463	2
44	MP4B	Z	-3.732	2
45	MP4B	Mx	.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	6.463	4
47	MP4B	Z	-3.732	4
48	MP4B	Mx	.004	4
49	MP4C	X	11.765	2
50	MP4C	Z	-6.793	2
51	MP4C	Mx	-.004	2
52	MP4C	X	11.765	4
53	MP4C	Z	-6.793	4
54	MP4C	Mx	-.004	4
55	M86	X	20.707	1.5
56	M86	Z	-11.955	1.5
57	M86	Mx	0	1.5
58	MP2A	X	11.289	2.5
59	MP2A	Z	-6.518	2.5
60	MP2A	Mx	.004	2.5
61	MP2B	X	8.885	2.5
62	MP2B	Z	-5.13	2.5
63	MP2B	Mx	-.005	2.5
64	MP2C	X	11.289	2.5
65	MP2C	Z	-6.518	2.5
66	MP2C	Mx	.004	2.5
67	MP3A	X	10.836	2.5
68	MP3A	Z	-6.256	2.5
69	MP3A	Mx	.004	2.5
70	MP3B	X	7.518	2.5
71	MP3B	Z	-4.34	2.5
72	MP3B	Mx	-.004	2.5
73	MP3C	X	10.836	2.5
74	MP3C	Z	-6.256	2.5
75	MP3C	Mx	.004	2.5
76	MP1A	X	19.253	.5
77	MP1A	Z	-11.116	.5
78	MP1A	Mx	-.006	.5
79	MP1A	X	19.253	5.5
80	MP1A	Z	-11.116	5.5
81	MP1A	Mx	-.006	5.5
82	MP1B	X	12.614	.5
83	MP1B	Z	-7.283	.5
84	MP1B	Mx	.007	.5
85	MP1B	X	12.614	5.5
86	MP1B	Z	-7.283	5.5
87	MP1B	Mx	.007	5.5
88	MP1C	X	19.253	.5
89	MP1C	Z	-11.116	.5
90	MP1C	Mx	-.006	.5
91	MP1C	X	19.253	5.5
92	MP1C	Z	-11.116	5.5
93	MP1C	Mx	-.006	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	20.903	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.015	1
4	MP3A	X	20.903	5
5	MP3A	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	-.015	5
7	MP3B	X	20.903	1
8	MP3B	Z	0	1
9	MP3B	Mx	.004	1
10	MP3B	X	20.903	5
11	MP3B	Z	0	5
12	MP3B	Mx	.004	5
13	MP3C	X	27.568	1
14	MP3C	Z	0	1
15	MP3C	Mx	.015	1
16	MP3C	X	27.568	5
17	MP3C	Z	0	5
18	MP3C	Mx	.015	5
19	MP3A	X	20.903	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.004	1
22	MP3A	X	20.903	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.004	5
25	MP3B	X	20.903	1
26	MP3B	Z	0	1
27	MP3B	Mx	.015	1
28	MP3B	X	20.903	5
29	MP3B	Z	0	5
30	MP3B	Mx	.015	5
31	MP3C	X	27.568	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.017	1
34	MP3C	X	27.568	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.017	5
37	MP4A	X	9.041	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.004	2
40	MP4A	X	9.041	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.004	4
43	MP4B	X	9.041	2
44	MP4B	Z	0	2
45	MP4B	Mx	.004	2
46	MP4B	X	9.041	4
47	MP4B	Z	0	4
48	MP4B	Mx	.004	4
49	MP4C	X	16.551	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.000721	2
52	MP4C	X	16.551	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.000721	4
55	M86	X	26.885	1.5
56	M86	Z	0	1.5
57	M86	Mx	0	1.5
58	MP2A	X	10.975	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	.005	2.5
61	MP2B	X	10.975	2.5
62	MP2B	Z	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	-.005	2.5
64	MP2C	X	14.381	2.5
65	MP2C	Z	0	2.5
66	MP2C	Mx	.000627	2.5
67	MP3A	X	9.669	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	.004	2.5
70	MP3B	X	9.669	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	-.004	2.5
73	MP3C	X	14.368	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	.000626	2.5
76	MP1A	X	16.542	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.007	.5
79	MP1A	X	16.542	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.007	5.5
82	MP1B	X	16.542	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.007	.5
85	MP1B	X	16.542	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	.007	5.5
88	MP1C	X	25.946	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-.001	.5
91	MP1C	X	25.946	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	16.889	1
2	MP3A	Z	9.751	1
3	MP3A	Mx	-.009	1
4	MP3A	X	16.889	5
5	MP3A	Z	9.751	5
6	MP3A	Mx	-.009	5
7	MP3B	X	21.595	1
8	MP3B	Z	12.468	1
9	MP3B	Mx	-.005	1
10	MP3B	X	21.595	5
11	MP3B	Z	12.468	5
12	MP3B	Mx	-.005	5
13	MP3C	X	22.662	1
14	MP3C	Z	13.084	1
15	MP3C	Mx	.019	1
16	MP3C	X	22.662	5
17	MP3C	Z	13.084	5
18	MP3C	Mx	.019	5
19	MP3A	X	16.889	1
20	MP3A	Z	9.751	1
21	MP3A	Mx	-.011	1
22	MP3A	X	16.889	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	9.751	5
24	MP3A	Mx	-.011	5
25	MP3B	X	21.595	1
26	MP3B	Z	12.468	1
27	MP3B	Mx	.019	1
28	MP3B	X	21.595	5
29	MP3B	Z	12.468	5
30	MP3B	Mx	.019	5
31	MP3C	X	22.662	1
32	MP3C	Z	13.084	1
33	MP3C	Mx	-.008	1
34	MP3C	X	22.662	5
35	MP3C	Z	13.084	5
36	MP3C	Mx	-.008	5
37	MP4A	X	6.463	2
38	MP4A	Z	3.732	2
39	MP4A	Mx	-.004	2
40	MP4A	X	6.463	4
41	MP4A	Z	3.732	4
42	MP4A	Mx	-.004	4
43	MP4B	X	11.765	2
44	MP4B	Z	6.793	2
45	MP4B	Mx	.004	2
46	MP4B	X	11.765	4
47	MP4B	Z	6.793	4
48	MP4B	Mx	.004	4
49	MP4C	X	12.967	2
50	MP4C	Z	7.487	2
51	MP4C	Mx	.003	2
52	MP4C	X	12.967	4
53	MP4C	Z	7.487	4
54	MP4C	Mx	.003	4
55	M86	X	24.964	1.5
56	M86	Z	14.413	1.5
57	M86	Mx	0	1.5
58	MP2A	X	8.885	2.5
59	MP2A	Z	5.13	2.5
60	MP2A	Mx	.005	2.5
61	MP2B	X	11.289	2.5
62	MP2B	Z	6.518	2.5
63	MP2B	Mx	-.004	2.5
64	MP2C	X	11.834	2.5
65	MP2C	Z	6.832	2.5
66	MP2C	Mx	-.003	2.5
67	MP3A	X	7.518	2.5
68	MP3A	Z	4.34	2.5
69	MP3A	Mx	.004	2.5
70	MP3B	X	10.836	2.5
71	MP3B	Z	6.256	2.5
72	MP3B	Mx	-.004	2.5
73	MP3C	X	11.588	2.5
74	MP3C	Z	6.69	2.5
75	MP3C	Mx	-.003	2.5
76	MP1A	X	12.614	.5
77	MP1A	Z	7.283	.5
78	MP1A	Mx	-.007	.5
79	MP1A	X	12.614	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	7.283	5.5
81	MP1A	Mx	-.007	5.5
82	MP1B	X	19.253	.5
83	MP1B	Z	11.116	.5
84	MP1B	Mx	.006	.5
85	MP1B	X	19.253	5.5
86	MP1B	Z	11.116	5.5
87	MP1B	Mx	.006	5.5
88	MP1C	X	20.758	.5
89	MP1C	Z	11.985	.5
90	MP1C	Mx	.005	.5
91	MP1C	X	20.758	5.5
92	MP1C	Z	11.985	5.5
93	MP1C	Mx	.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	11.067	1
2	MP3A	Z	19.169	1
3	MP3A	Mx	-.002	1
4	MP3A	X	11.067	5
5	MP3A	Z	19.169	5
6	MP3A	Mx	-.002	5
7	MP3B	X	13.784	1
8	MP3B	Z	23.875	1
9	MP3B	Mx	-.015	1
10	MP3B	X	13.784	5
11	MP3B	Z	23.875	5
12	MP3B	Mx	-.015	5
13	MP3C	X	11.067	1
14	MP3C	Z	19.169	1
15	MP3C	Mx	.016	1
16	MP3C	X	11.067	5
17	MP3C	Z	19.169	5
18	MP3C	Mx	.016	5
19	MP3A	X	11.067	1
20	MP3A	Z	19.169	1
21	MP3A	Mx	-.016	1
22	MP3A	X	11.067	5
23	MP3A	Z	19.169	5
24	MP3A	Mx	-.016	5
25	MP3B	X	13.784	1
26	MP3B	Z	23.875	1
27	MP3B	Mx	.017	1
28	MP3B	X	13.784	5
29	MP3B	Z	23.875	5
30	MP3B	Mx	.017	5
31	MP3C	X	11.067	1
32	MP3C	Z	19.169	1
33	MP3C	Mx	.002	1
34	MP3C	X	11.067	5
35	MP3C	Z	19.169	5
36	MP3C	Mx	.002	5
37	MP4A	X	5.215	2
38	MP4A	Z	9.032	2
39	MP4A	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	X	5.215	4
41	MP4A	Z	9.032	4
42	MP4A	Mx	-.004	4
43	MP4B	X	8.276	2
44	MP4B	Z	14.334	2
45	MP4B	Mx	.000721	2
46	MP4B	X	8.276	4
47	MP4B	Z	14.334	4
48	MP4B	Mx	.000721	4
49	MP4C	X	5.215	2
50	MP4C	Z	9.032	2
51	MP4C	Mx	.004	2
52	MP4C	X	5.215	4
53	MP4C	Z	9.032	4
54	MP4C	Mx	.004	4
55	M86	X	13.897	1.5
56	M86	Z	24.07	1.5
57	M86	Mx	0	1.5
58	MP2A	X	5.802	2.5
59	MP2A	Z	10.05	2.5
60	MP2A	Mx	.005	2.5
61	MP2B	X	7.19	2.5
62	MP2B	Z	12.454	2.5
63	MP2B	Mx	-.000627	2.5
64	MP2C	X	5.802	2.5
65	MP2C	Z	10.05	2.5
66	MP2C	Mx	-.005	2.5
67	MP3A	X	5.269	2.5
68	MP3A	Z	9.125	2.5
69	MP3A	Mx	.004	2.5
70	MP3B	X	7.184	2.5
71	MP3B	Z	12.443	2.5
72	MP3B	Mx	-.000626	2.5
73	MP3C	X	5.269	2.5
74	MP3C	Z	9.125	2.5
75	MP3C	Mx	-.004	2.5
76	MP1A	X	9.14	.5
77	MP1A	Z	15.83	.5
78	MP1A	Mx	-.007	.5
79	MP1A	X	9.14	5.5
80	MP1A	Z	15.83	5.5
81	MP1A	Mx	-.007	5.5
82	MP1B	X	12.973	.5
83	MP1B	Z	22.47	.5
84	MP1B	Mx	.001	.5
85	MP1B	X	12.973	5.5
86	MP1B	Z	22.47	5.5
87	MP1B	Mx	.001	5.5
88	MP1C	X	9.14	.5
89	MP1C	Z	15.83	.5
90	MP1C	Mx	.007	.5
91	MP1C	X	9.14	5.5
92	MP1C	Z	15.83	5.5
93	MP1C	Mx	.007	5.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	26.167	1
3	MP3A	Mx	.008	1
4	MP3A	X	0	5
5	MP3A	Z	26.167	5
6	MP3A	Mx	.008	5
7	MP3B	X	0	1
8	MP3B	Z	26.167	1
9	MP3B	Mx	-.019	1
10	MP3B	X	0	5
11	MP3B	Z	26.167	5
12	MP3B	Mx	-.019	5
13	MP3C	X	0	1
14	MP3C	Z	19.502	1
15	MP3C	Mx	.011	1
16	MP3C	X	0	5
17	MP3C	Z	19.502	5
18	MP3C	Mx	.011	5
19	MP3A	X	0	1
20	MP3A	Z	26.167	1
21	MP3A	Mx	-.019	1
22	MP3A	X	0	5
23	MP3A	Z	26.167	5
24	MP3A	Mx	-.019	5
25	MP3B	X	0	1
26	MP3B	Z	26.167	1
27	MP3B	Mx	.008	1
28	MP3B	X	0	5
29	MP3B	Z	26.167	5
30	MP3B	Mx	.008	5
31	MP3C	X	0	1
32	MP3C	Z	19.502	1
33	MP3C	Mx	.009	1
34	MP3C	X	0	5
35	MP3C	Z	19.502	5
36	MP3C	Mx	.009	5
37	MP4A	X	0	2
38	MP4A	Z	14.973	2
39	MP4A	Mx	-.003	2
40	MP4A	X	0	4
41	MP4A	Z	14.973	4
42	MP4A	Mx	-.003	4
43	MP4B	X	0	2
44	MP4B	Z	14.973	2
45	MP4B	Mx	-.003	2
46	MP4B	X	0	4
47	MP4B	Z	14.973	4
48	MP4B	Mx	-.003	4
49	MP4C	X	0	2
50	MP4C	Z	7.463	2
51	MP4C	Mx	.004	2
52	MP4C	X	0	4
53	MP4C	Z	7.463	4
54	MP4C	Mx	.004	4
55	M86	X	0	1.5
56	M86	Z	24.819	1.5
57	M86	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	0	2.5
59	MP2A	Z	13.665	2.5
60	MP2A	Mx	.003	2.5
61	MP2B	X	0	2.5
62	MP2B	Z	13.665	2.5
63	MP2B	Mx	.003	2.5
64	MP2C	X	0	2.5
65	MP2C	Z	10.259	2.5
66	MP2C	Mx	-.005	2.5
67	MP3A	X	0	2.5
68	MP3A	Z	13.381	2.5
69	MP3A	Mx	.003	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	13.381	2.5
72	MP3B	Mx	.003	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	8.681	2.5
75	MP3C	Mx	-.004	2.5
76	MP1A	X	0	.5
77	MP1A	Z	23.97	.5
78	MP1A	Mx	-.005	.5
79	MP1A	X	0	5.5
80	MP1A	Z	23.97	5.5
81	MP1A	Mx	-.005	5.5
82	MP1B	X	0	.5
83	MP1B	Z	23.97	.5
84	MP1B	Mx	-.005	.5
85	MP1B	X	0	5.5
86	MP1B	Z	23.97	5.5
87	MP1B	Mx	-.005	5.5
88	MP1C	X	0	.5
89	MP1C	Z	14.565	.5
90	MP1C	Mx	.007	.5
91	MP1C	X	0	5.5
92	MP1C	Z	14.565	5.5
93	MP1C	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-13.784	1
2	MP3A	Z	23.875	1
3	MP3A	Mx	.017	1
4	MP3A	X	-13.784	5
5	MP3A	Z	23.875	5
6	MP3A	Mx	.017	5
7	MP3B	X	-11.067	1
8	MP3B	Z	19.169	1
9	MP3B	Mx	-.016	1
10	MP3B	X	-11.067	5
11	MP3B	Z	19.169	5
12	MP3B	Mx	-.016	5
13	MP3C	X	-10.451	1
14	MP3C	Z	18.102	1
15	MP3C	Mx	.004	1
16	MP3C	X	-10.451	5
17	MP3C	Z	18.102	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	.004	5
19	MP3A	X	-13.784	1
20	MP3A	Z	23.875	1
21	MP3A	Mx	-.015	1
22	MP3A	X	-13.784	5
23	MP3A	Z	23.875	5
24	MP3A	Mx	-.015	5
25	MP3B	X	-11.067	1
26	MP3B	Z	19.169	1
27	MP3B	Mx	-.002	1
28	MP3B	X	-11.067	5
29	MP3B	Z	19.169	5
30	MP3B	Mx	-.002	5
31	MP3C	X	-10.451	1
32	MP3C	Z	18.102	1
33	MP3C	Mx	.015	1
34	MP3C	X	-10.451	5
35	MP3C	Z	18.102	5
36	MP3C	Mx	.015	5
37	MP4A	X	-8.276	2
38	MP4A	Z	14.334	2
39	MP4A	Mx	.000721	2
40	MP4A	X	-8.276	4
41	MP4A	Z	14.334	4
42	MP4A	Mx	.000721	4
43	MP4B	X	-5.215	2
44	MP4B	Z	9.032	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-5.215	4
47	MP4B	Z	9.032	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-4.521	2
50	MP4C	Z	7.83	2
51	MP4C	Mx	.004	2
52	MP4C	X	-4.521	4
53	MP4C	Z	7.83	4
54	MP4C	Mx	.004	4
55	M86	X	-11.438	1.5
56	M86	Z	19.812	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-7.19	2.5
59	MP2A	Z	12.454	2.5
60	MP2A	Mx	-.000627	2.5
61	MP2B	X	-5.802	2.5
62	MP2B	Z	10.05	2.5
63	MP2B	Mx	.005	2.5
64	MP2C	X	-5.487	2.5
65	MP2C	Z	9.505	2.5
66	MP2C	Mx	-.005	2.5
67	MP3A	X	-7.184	2.5
68	MP3A	Z	12.443	2.5
69	MP3A	Mx	-.000626	2.5
70	MP3B	X	-5.269	2.5
71	MP3B	Z	9.125	2.5
72	MP3B	Mx	.004	2.5
73	MP3C	X	-4.834	2.5
74	MP3C	Z	8.373	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	-.004	2.5
76	MP1A	X	-12.973	.5
77	MP1A	Z	22.47	.5
78	MP1A	Mx	.001	.5
79	MP1A	X	-12.973	5.5
80	MP1A	Z	22.47	5.5
81	MP1A	Mx	.001	5.5
82	MP1B	X	-9.14	.5
83	MP1B	Z	15.83	.5
84	MP1B	Mx	-.007	.5
85	MP1B	X	-9.14	5.5
86	MP1B	Z	15.83	5.5
87	MP1B	Mx	-.007	5.5
88	MP1C	X	-8.271	.5
89	MP1C	Z	14.325	.5
90	MP1C	Mx	.007	.5
91	MP1C	X	-8.271	5.5
92	MP1C	Z	14.325	5.5
93	MP1C	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.595	1
2	MP3A	Z	12.468	1
3	MP3A	Mx	.019	1
4	MP3A	X	-21.595	5
5	MP3A	Z	12.468	5
6	MP3A	Mx	.019	5
7	MP3B	X	-16.889	1
8	MP3B	Z	9.751	1
9	MP3B	Mx	-.011	1
10	MP3B	X	-16.889	5
11	MP3B	Z	9.751	5
12	MP3B	Mx	-.011	5
13	MP3C	X	-21.595	1
14	MP3C	Z	12.468	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-21.595	5
17	MP3C	Z	12.468	5
18	MP3C	Mx	-.005	5
19	MP3A	X	-21.595	1
20	MP3A	Z	12.468	1
21	MP3A	Mx	-.005	1
22	MP3A	X	-21.595	5
23	MP3A	Z	12.468	5
24	MP3A	Mx	-.005	5
25	MP3B	X	-16.889	1
26	MP3B	Z	9.751	1
27	MP3B	Mx	-.009	1
28	MP3B	X	-16.889	5
29	MP3B	Z	9.751	5
30	MP3B	Mx	-.009	5
31	MP3C	X	-21.595	1
32	MP3C	Z	12.468	1
33	MP3C	Mx	.019	1
34	MP3C	X	-21.595	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	12.468	5
36	MP3C	Mx	.019	5
37	MP4A	X	-11.765	2
38	MP4A	Z	6.793	2
39	MP4A	Mx	.004	2
40	MP4A	X	-11.765	4
41	MP4A	Z	6.793	4
42	MP4A	Mx	.004	4
43	MP4B	X	-6.463	2
44	MP4B	Z	3.732	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-6.463	4
47	MP4B	Z	3.732	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-11.765	2
50	MP4C	Z	6.793	2
51	MP4C	Mx	.004	2
52	MP4C	X	-11.765	4
53	MP4C	Z	6.793	4
54	MP4C	Mx	.004	4
55	M86	X	-20.707	1.5
56	M86	Z	11.955	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-11.289	2.5
59	MP2A	Z	6.518	2.5
60	MP2A	Mx	-.004	2.5
61	MP2B	X	-8.885	2.5
62	MP2B	Z	5.13	2.5
63	MP2B	Mx	.005	2.5
64	MP2C	X	-11.289	2.5
65	MP2C	Z	6.518	2.5
66	MP2C	Mx	-.004	2.5
67	MP3A	X	-10.836	2.5
68	MP3A	Z	6.256	2.5
69	MP3A	Mx	-.004	2.5
70	MP3B	X	-7.518	2.5
71	MP3B	Z	4.34	2.5
72	MP3B	Mx	.004	2.5
73	MP3C	X	-10.836	2.5
74	MP3C	Z	6.256	2.5
75	MP3C	Mx	-.004	2.5
76	MP1A	X	-19.253	.5
77	MP1A	Z	11.116	.5
78	MP1A	Mx	.006	.5
79	MP1A	X	-19.253	5.5
80	MP1A	Z	11.116	5.5
81	MP1A	Mx	.006	5.5
82	MP1B	X	-12.614	.5
83	MP1B	Z	7.283	.5
84	MP1B	Mx	-.007	.5
85	MP1B	X	-12.614	5.5
86	MP1B	Z	7.283	5.5
87	MP1B	Mx	-.007	5.5
88	MP1C	X	-19.253	.5
89	MP1C	Z	11.116	.5
90	MP1C	Mx	.006	.5
91	MP1C	X	-19.253	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	11.116	5.5
93	MP1C	Mx	.006	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-20.903	1
2	MP3A	Z	0	1
3	MP3A	Mx	.015	1
4	MP3A	X	-20.903	5
5	MP3A	Z	0	5
6	MP3A	Mx	.015	5
7	MP3B	X	-20.903	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.004	1
10	MP3B	X	-20.903	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.004	5
13	MP3C	X	-27.568	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.015	1
16	MP3C	X	-27.568	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.015	5
19	MP3A	X	-20.903	1
20	MP3A	Z	0	1
21	MP3A	Mx	.004	1
22	MP3A	X	-20.903	5
23	MP3A	Z	0	5
24	MP3A	Mx	.004	5
25	MP3B	X	-20.903	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.015	1
28	MP3B	X	-20.903	5
29	MP3B	Z	0	5
30	MP3B	Mx	-.015	5
31	MP3C	X	-27.568	1
32	MP3C	Z	0	1
33	MP3C	Mx	.017	1
34	MP3C	X	-27.568	5
35	MP3C	Z	0	5
36	MP3C	Mx	.017	5
37	MP4A	X	-9.041	2
38	MP4A	Z	0	2
39	MP4A	Mx	.004	2
40	MP4A	X	-9.041	4
41	MP4A	Z	0	4
42	MP4A	Mx	.004	4
43	MP4B	X	-9.041	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-9.041	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-16.551	2
50	MP4C	Z	0	2
51	MP4C	Mx	.000721	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-16.551	4
53	MP4C	Z	0	4
54	MP4C	Mx	.000721	4
55	M86	X	-26.885	1.5
56	M86	Z	0	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-10.975	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	-.005	2.5
61	MP2B	X	-10.975	2.5
62	MP2B	Z	0	2.5
63	MP2B	Mx	.005	2.5
64	MP2C	X	-14.381	2.5
65	MP2C	Z	0	2.5
66	MP2C	Mx	-.000627	2.5
67	MP3A	X	-9.669	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	-.004	2.5
70	MP3B	X	-9.669	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	.004	2.5
73	MP3C	X	-14.368	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	-.000626	2.5
76	MP1A	X	-16.542	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.007	.5
79	MP1A	X	-16.542	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.007	5.5
82	MP1B	X	-16.542	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.007	.5
85	MP1B	X	-16.542	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	-.007	5.5
88	MP1C	X	-25.946	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.001	.5
91	MP1C	X	-25.946	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-16.889	1
2	MP3A	Z	-9.751	1
3	MP3A	Mx	.009	1
4	MP3A	X	-16.889	5
5	MP3A	Z	-9.751	5
6	MP3A	Mx	.009	5
7	MP3B	X	-21.595	1
8	MP3B	Z	-12.468	1
9	MP3B	Mx	.005	1
10	MP3B	X	-21.595	5
11	MP3B	Z	-12.468	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.005	5
13	MP3C	X	-22.662	1
14	MP3C	Z	-13.084	1
15	MP3C	Mx	-.019	1
16	MP3C	X	-22.662	5
17	MP3C	Z	-13.084	5
18	MP3C	Mx	-.019	5
19	MP3A	X	-16.889	1
20	MP3A	Z	-9.751	1
21	MP3A	Mx	.011	1
22	MP3A	X	-16.889	5
23	MP3A	Z	-9.751	5
24	MP3A	Mx	.011	5
25	MP3B	X	-21.595	1
26	MP3B	Z	-12.468	1
27	MP3B	Mx	-.019	1
28	MP3B	X	-21.595	5
29	MP3B	Z	-12.468	5
30	MP3B	Mx	-.019	5
31	MP3C	X	-22.662	1
32	MP3C	Z	-13.084	1
33	MP3C	Mx	.008	1
34	MP3C	X	-22.662	5
35	MP3C	Z	-13.084	5
36	MP3C	Mx	.008	5
37	MP4A	X	-6.463	2
38	MP4A	Z	-3.732	2
39	MP4A	Mx	.004	2
40	MP4A	X	-6.463	4
41	MP4A	Z	-3.732	4
42	MP4A	Mx	.004	4
43	MP4B	X	-11.765	2
44	MP4B	Z	-6.793	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-11.765	4
47	MP4B	Z	-6.793	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-12.967	2
50	MP4C	Z	-7.487	2
51	MP4C	Mx	-.003	2
52	MP4C	X	-12.967	4
53	MP4C	Z	-7.487	4
54	MP4C	Mx	-.003	4
55	M86	X	-24.964	1.5
56	M86	Z	-14.413	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-8.885	2.5
59	MP2A	Z	-5.13	2.5
60	MP2A	Mx	-.005	2.5
61	MP2B	X	-11.289	2.5
62	MP2B	Z	-6.518	2.5
63	MP2B	Mx	.004	2.5
64	MP2C	X	-11.834	2.5
65	MP2C	Z	-6.832	2.5
66	MP2C	Mx	.003	2.5
67	MP3A	X	-7.518	2.5
68	MP3A	Z	-4.34	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	-.004	2.5
70	MP3B	X	-10.836	2.5
71	MP3B	Z	-6.256	2.5
72	MP3B	Mx	.004	2.5
73	MP3C	X	-11.588	2.5
74	MP3C	Z	-6.69	2.5
75	MP3C	Mx	.003	2.5
76	MP1A	X	-12.614	.5
77	MP1A	Z	-7.283	.5
78	MP1A	Mx	.007	.5
79	MP1A	X	-12.614	5.5
80	MP1A	Z	-7.283	5.5
81	MP1A	Mx	.007	5.5
82	MP1B	X	-19.253	.5
83	MP1B	Z	-11.116	.5
84	MP1B	Mx	-.006	.5
85	MP1B	X	-19.253	5.5
86	MP1B	Z	-11.116	5.5
87	MP1B	Mx	-.006	5.5
88	MP1C	X	-20.758	.5
89	MP1C	Z	-11.985	.5
90	MP1C	Mx	-.005	.5
91	MP1C	X	-20.758	5.5
92	MP1C	Z	-11.985	5.5
93	MP1C	Mx	-.005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-11.067	1
2	MP3A	Z	-19.169	1
3	MP3A	Mx	.002	1
4	MP3A	X	-11.067	5
5	MP3A	Z	-19.169	5
6	MP3A	Mx	.002	5
7	MP3B	X	-13.784	1
8	MP3B	Z	-23.875	1
9	MP3B	Mx	.015	1
10	MP3B	X	-13.784	5
11	MP3B	Z	-23.875	5
12	MP3B	Mx	.015	5
13	MP3C	X	-11.067	1
14	MP3C	Z	-19.169	1
15	MP3C	Mx	-.016	1
16	MP3C	X	-11.067	5
17	MP3C	Z	-19.169	5
18	MP3C	Mx	-.016	5
19	MP3A	X	-11.067	1
20	MP3A	Z	-19.169	1
21	MP3A	Mx	.016	1
22	MP3A	X	-11.067	5
23	MP3A	Z	-19.169	5
24	MP3A	Mx	.016	5
25	MP3B	X	-13.784	1
26	MP3B	Z	-23.875	1
27	MP3B	Mx	-.017	1
28	MP3B	X	-13.784	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	-23.875	5
30	MP3B	Mx	-.017	5
31	MP3C	X	-11.067	1
32	MP3C	Z	-19.169	1
33	MP3C	Mx	-.002	1
34	MP3C	X	-11.067	5
35	MP3C	Z	-19.169	5
36	MP3C	Mx	-.002	5
37	MP4A	X	-5.215	2
38	MP4A	Z	-9.032	2
39	MP4A	Mx	.004	2
40	MP4A	X	-5.215	4
41	MP4A	Z	-9.032	4
42	MP4A	Mx	.004	4
43	MP4B	X	-8.276	2
44	MP4B	Z	-14.334	2
45	MP4B	Mx	-.000721	2
46	MP4B	X	-8.276	4
47	MP4B	Z	-14.334	4
48	MP4B	Mx	-.000721	4
49	MP4C	X	-5.215	2
50	MP4C	Z	-9.032	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-5.215	4
53	MP4C	Z	-9.032	4
54	MP4C	Mx	-.004	4
55	M86	X	-13.897	1.5
56	M86	Z	-24.07	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-5.802	2.5
59	MP2A	Z	-10.05	2.5
60	MP2A	Mx	-.005	2.5
61	MP2B	X	-7.19	2.5
62	MP2B	Z	-12.454	2.5
63	MP2B	Mx	.000627	2.5
64	MP2C	X	-5.802	2.5
65	MP2C	Z	-10.05	2.5
66	MP2C	Mx	.005	2.5
67	MP3A	X	-5.269	2.5
68	MP3A	Z	-9.125	2.5
69	MP3A	Mx	-.004	2.5
70	MP3B	X	-7.184	2.5
71	MP3B	Z	-12.443	2.5
72	MP3B	Mx	.000626	2.5
73	MP3C	X	-5.269	2.5
74	MP3C	Z	-9.125	2.5
75	MP3C	Mx	.004	2.5
76	MP1A	X	-9.14	.5
77	MP1A	Z	-15.83	.5
78	MP1A	Mx	.007	.5
79	MP1A	X	-9.14	5.5
80	MP1A	Z	-15.83	5.5
81	MP1A	Mx	.007	5.5
82	MP1B	X	-12.973	.5
83	MP1B	Z	-22.47	.5
84	MP1B	Mx	-.001	.5
85	MP1B	X	-12.973	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	-22.47	5.5
87	MP1B	Mx	-.001	5.5
88	MP1C	X	-9.14	.5
89	MP1C	Z	-15.83	.5
90	MP1C	Mx	-.007	.5
91	MP1C	X	-9.14	5.5
92	MP1C	Z	-15.83	5.5
93	MP1C	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	-8.052	1
3	MP3A	Mx	-.003	1
4	MP3A	X	0	5
5	MP3A	Z	-8.052	5
6	MP3A	Mx	-.003	5
7	MP3B	X	0	1
8	MP3B	Z	-8.052	1
9	MP3B	Mx	.006	1
10	MP3B	X	0	5
11	MP3B	Z	-8.052	5
12	MP3B	Mx	.006	5
13	MP3C	X	0	1
14	MP3C	Z	-5.688	1
15	MP3C	Mx	-.003	1
16	MP3C	X	0	5
17	MP3C	Z	-5.688	5
18	MP3C	Mx	-.003	5
19	MP3A	X	0	1
20	MP3A	Z	-8.052	1
21	MP3A	Mx	.006	1
22	MP3A	X	0	5
23	MP3A	Z	-8.052	5
24	MP3A	Mx	.006	5
25	MP3B	X	0	1
26	MP3B	Z	-8.052	1
27	MP3B	Mx	-.003	1
28	MP3B	X	0	5
29	MP3B	Z	-8.052	5
30	MP3B	Mx	-.003	5
31	MP3C	X	0	1
32	MP3C	Z	-5.688	1
33	MP3C	Mx	-.003	1
34	MP3C	X	0	5
35	MP3C	Z	-5.688	5
36	MP3C	Mx	-.003	5
37	MP4A	X	0	2
38	MP4A	Z	-4.444	2
39	MP4A	Mx	.000939	2
40	MP4A	X	0	4
41	MP4A	Z	-4.444	4
42	MP4A	Mx	.000939	4
43	MP4B	X	0	2
44	MP4B	Z	-4.444	2
45	MP4B	Mx	.000939	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	0	4
47	MP4B	Z	-4.444	4
48	MP4B	Mx	.000939	4
49	MP4C	X	0	2
50	MP4C	Z	-1.975	2
51	MP4C	Mx	-.000984	2
52	MP4C	X	0	4
53	MP4C	Z	-1.975	4
54	MP4C	Mx	-.000984	4
55	M86	X	0	1.5
56	M86	Z	-7.243	1.5
57	M86	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	-3.732	2.5
60	MP2A	Mx	-.000789	2.5
61	MP2B	X	0	2.5
62	MP2B	Z	-3.732	2.5
63	MP2B	Mx	-.000789	2.5
64	MP2C	X	0	2.5
65	MP2C	Z	-2.662	2.5
66	MP2C	Mx	.001	2.5
67	MP3A	X	0	2.5
68	MP3A	Z	-3.642	2.5
69	MP3A	Mx	-.00077	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	-3.642	2.5
72	MP3B	Mx	-.00077	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	-2.162	2.5
75	MP3C	Mx	.001	2.5
76	MP1A	X	0	.5
77	MP1A	Z	-7.307	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	0	5.5
80	MP1A	Z	-7.307	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	0	.5
83	MP1B	Z	-7.307	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	0	5.5
86	MP1B	Z	-7.307	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	0	.5
89	MP1C	Z	-4.014	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	0	5.5
92	MP1C	Z	-4.014	5.5
93	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.274	1
2	MP3A	Z	-7.403	1
3	MP3A	Mx	-.005	1
4	MP3A	X	4.274	5
5	MP3A	Z	-7.403	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	-.005	5
7	MP3B	X	3.311	1
8	MP3B	Z	-5.734	1
9	MP3B	Mx	.005	1
10	MP3B	X	3.311	5
11	MP3B	Z	-5.734	5
12	MP3B	Mx	.005	5
13	MP3C	X	3.092	1
14	MP3C	Z	-5.356	1
15	MP3C	Mx	-.001	1
16	MP3C	X	3.092	5
17	MP3C	Z	-5.356	5
18	MP3C	Mx	-.001	5
19	MP3A	X	4.274	1
20	MP3A	Z	-7.403	1
21	MP3A	Mx	.005	1
22	MP3A	X	4.274	5
23	MP3A	Z	-7.403	5
24	MP3A	Mx	.005	5
25	MP3B	X	3.311	1
26	MP3B	Z	-5.734	1
27	MP3B	Mx	.000497	1
28	MP3B	X	3.311	5
29	MP3B	Z	-5.734	5
30	MP3B	Mx	.000497	5
31	MP3C	X	3.092	1
32	MP3C	Z	-5.356	1
33	MP3C	Mx	-.004	1
34	MP3C	X	3.092	5
35	MP3C	Z	-5.356	5
36	MP3C	Mx	-.004	5
37	MP4A	X	2.481	2
38	MP4A	Z	-4.298	2
39	MP4A	Mx	-.000216	2
40	MP4A	X	2.481	4
41	MP4A	Z	-4.298	4
42	MP4A	Mx	-.000216	4
43	MP4B	X	1.475	2
44	MP4B	Z	-2.555	2
45	MP4B	Mx	.001	2
46	MP4B	X	1.475	4
47	MP4B	Z	-2.555	4
48	MP4B	Mx	.001	4
49	MP4C	X	1.247	2
50	MP4C	Z	-2.16	2
51	MP4C	Mx	-.001	2
52	MP4C	X	1.247	4
53	MP4C	Z	-2.16	4
54	MP4C	Mx	-.001	4
55	M86	X	3.293	1.5
56	M86	Z	-5.704	1.5
57	M86	Mx	0	1.5
58	MP2A	X	1.979	2.5
59	MP2A	Z	-3.427	2.5
60	MP2A	Mx	.000173	2.5
61	MP2B	X	1.542	2.5
62	MP2B	Z	-2.671	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	-.001	2.5
64	MP2C	X	1.443	2.5
65	MP2C	Z	-2.5	2.5
66	MP2C	Mx	.001	2.5
67	MP3A	X	1.977	2.5
68	MP3A	Z	-3.424	2.5
69	MP3A	Mx	.000172	2.5
70	MP3B	X	1.373	2.5
71	MP3B	Z	-2.378	2.5
72	MP3B	Mx	-.001	2.5
73	MP3C	X	1.236	2.5
74	MP3C	Z	-2.142	2.5
75	MP3C	Mx	.001	2.5
76	MP1A	X	3.999	.5
77	MP1A	Z	-6.927	.5
78	MP1A	Mx	-.000348	.5
79	MP1A	X	3.999	5.5
80	MP1A	Z	-6.927	5.5
81	MP1A	Mx	-.000348	5.5
82	MP1B	X	2.657	.5
83	MP1B	Z	-4.603	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	2.657	5.5
86	MP1B	Z	-4.603	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	2.353	.5
89	MP1C	Z	-4.076	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	2.353	5.5
92	MP1C	Z	-4.076	5.5
93	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.595	1
2	MP3A	Z	-3.808	1
3	MP3A	Mx	-.006	1
4	MP3A	X	6.595	5
5	MP3A	Z	-3.808	5
6	MP3A	Mx	-.006	5
7	MP3B	X	4.926	1
8	MP3B	Z	-2.844	1
9	MP3B	Mx	.003	1
10	MP3B	X	4.926	5
11	MP3B	Z	-2.844	5
12	MP3B	Mx	.003	5
13	MP3C	X	6.595	1
14	MP3C	Z	-3.808	1
15	MP3C	Mx	.001	1
16	MP3C	X	6.595	5
17	MP3C	Z	-3.808	5
18	MP3C	Mx	.001	5
19	MP3A	X	6.595	1
20	MP3A	Z	-3.808	1
21	MP3A	Mx	.001	1
22	MP3A	X	6.595	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	-3.808	5
24	MP3A	Mx	.001	5
25	MP3B	X	4.926	1
26	MP3B	Z	-2.844	1
27	MP3B	Mx	.003	1
28	MP3B	X	4.926	5
29	MP3B	Z	-2.844	5
30	MP3B	Mx	.003	5
31	MP3C	X	6.595	1
32	MP3C	Z	-3.808	1
33	MP3C	Mx	-.006	1
34	MP3C	X	6.595	5
35	MP3C	Z	-3.808	5
36	MP3C	Mx	-.006	5
37	MP4A	X	3.453	2
38	MP4A	Z	-1.994	2
39	MP4A	Mx	-.001	2
40	MP4A	X	3.453	4
41	MP4A	Z	-1.994	4
42	MP4A	Mx	-.001	4
43	MP4B	X	1.71	2
44	MP4B	Z	-.987	2
45	MP4B	Mx	.000983	2
46	MP4B	X	1.71	4
47	MP4B	Z	-.987	4
48	MP4B	Mx	.000983	4
49	MP4C	X	3.453	2
50	MP4C	Z	-1.994	2
51	MP4C	Mx	-.001	2
52	MP4C	X	3.453	4
53	MP4C	Z	-1.994	4
54	MP4C	Mx	-.001	4
55	M86	X	6.007	1.5
56	M86	Z	-3.468	1.5
57	M86	Mx	0	1.5
58	MP2A	X	3.061	2.5
59	MP2A	Z	-1.767	2.5
60	MP2A	Mx	.001	2.5
61	MP2B	X	2.305	2.5
62	MP2B	Z	-1.331	2.5
63	MP2B	Mx	-.001	2.5
64	MP2C	X	3.061	2.5
65	MP2C	Z	-1.767	2.5
66	MP2C	Mx	.001	2.5
67	MP3A	X	2.917	2.5
68	MP3A	Z	-1.684	2.5
69	MP3A	Mx	.000966	2.5
70	MP3B	X	1.872	2.5
71	MP3B	Z	-1.081	2.5
72	MP3B	Mx	-.001	2.5
73	MP3C	X	2.917	2.5
74	MP3C	Z	-1.684	2.5
75	MP3C	Mx	.000966	2.5
76	MP1A	X	5.801	.5
77	MP1A	Z	-3.349	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	5.801	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP1A	Z	-3.349	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	3.476	.5
83	MP1B	Z	-2.007	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	3.476	5.5
86	MP1B	Z	-2.007	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	5.801	.5
89	MP1C	Z	-3.349	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	5.801	5.5
92	MP1C	Z	-3.349	5.5
93	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.185	1
2	MP3A	Z	0	1
3	MP3A	Mx	-.004	1
4	MP3A	X	6.185	5
5	MP3A	Z	0	5
6	MP3A	Mx	-.004	5
7	MP3B	X	6.185	1
8	MP3B	Z	0	1
9	MP3B	Mx	.001	1
10	MP3B	X	6.185	5
11	MP3B	Z	0	5
12	MP3B	Mx	.001	5
13	MP3C	X	8.549	1
14	MP3C	Z	0	1
15	MP3C	Mx	.005	1
16	MP3C	X	8.549	5
17	MP3C	Z	0	5
18	MP3C	Mx	.005	5
19	MP3A	X	6.185	1
20	MP3A	Z	0	1
21	MP3A	Mx	-.001	1
22	MP3A	X	6.185	5
23	MP3A	Z	0	5
24	MP3A	Mx	-.001	5
25	MP3B	X	6.185	1
26	MP3B	Z	0	1
27	MP3B	Mx	.004	1
28	MP3B	X	6.185	5
29	MP3B	Z	0	5
30	MP3B	Mx	.004	5
31	MP3C	X	8.549	1
32	MP3C	Z	0	1
33	MP3C	Mx	-.005	1
34	MP3C	X	8.549	5
35	MP3C	Z	0	5
36	MP3C	Mx	-.005	5
37	MP4A	X	2.494	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP4A	X	2.494	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.494	2
44	MP4B	Z	0	2
45	MP4B	Mx	.001	2
46	MP4B	X	2.494	4
47	MP4B	Z	0	4
48	MP4B	Mx	.001	4
49	MP4C	X	4.962	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.000216	2
52	MP4C	X	4.962	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.000216	4
55	M86	X	7.941	1.5
56	M86	Z	0	1.5
57	M86	Mx	0	1.5
58	MP2A	X	2.887	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	.001	2.5
61	MP2B	X	2.887	2.5
62	MP2B	Z	0	2.5
63	MP2B	Mx	-.001	2.5
64	MP2C	X	3.957	2.5
65	MP2C	Z	0	2.5
66	MP2C	Mx	.000172	2.5
67	MP3A	X	2.473	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	.001	2.5
70	MP3B	X	2.473	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	-.001	2.5
73	MP3C	X	3.953	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	.000172	2.5
76	MP1A	X	4.706	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	4.706	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	4.706	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	4.706	5.5
86	MP1B	Z	0	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	7.999	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	-.000349	.5
91	MP1C	X	7.999	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	-.000349	5.5

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.926	1
2	MP3A	Z	2.844	1
3	MP3A	Mx	-.003	1
4	MP3A	X	4.926	5
5	MP3A	Z	2.844	5
6	MP3A	Mx	-.003	5
7	MP3B	X	6.595	1
8	MP3B	Z	3.808	1
9	MP3B	Mx	-.001	1
10	MP3B	X	6.595	5
11	MP3B	Z	3.808	5
12	MP3B	Mx	-.001	5
13	MP3C	X	6.973	1
14	MP3C	Z	4.026	1
15	MP3C	Mx	.006	1
16	MP3C	X	6.973	5
17	MP3C	Z	4.026	5
18	MP3C	Mx	.006	5
19	MP3A	X	4.926	1
20	MP3A	Z	2.844	1
21	MP3A	Mx	-.003	1
22	MP3A	X	4.926	5
23	MP3A	Z	2.844	5
24	MP3A	Mx	-.003	5
25	MP3B	X	6.595	1
26	MP3B	Z	3.808	1
27	MP3B	Mx	.006	1
28	MP3B	X	6.595	5
29	MP3B	Z	3.808	5
30	MP3B	Mx	.006	5
31	MP3C	X	6.973	1
32	MP3C	Z	4.026	1
33	MP3C	Mx	-.003	1
34	MP3C	X	6.973	5
35	MP3C	Z	4.026	5
36	MP3C	Mx	-.003	5
37	MP4A	X	1.71	2
38	MP4A	Z	.987	2
39	MP4A	Mx	-.000983	2
40	MP4A	X	1.71	4
41	MP4A	Z	.987	4
42	MP4A	Mx	-.000983	4
43	MP4B	X	3.453	2
44	MP4B	Z	1.994	2
45	MP4B	Mx	.001	2
46	MP4B	X	3.453	4
47	MP4B	Z	1.994	4
48	MP4B	Mx	.001	4
49	MP4C	X	3.848	2
50	MP4C	Z	2.222	2
51	MP4C	Mx	.000939	2
52	MP4C	X	3.848	4
53	MP4C	Z	2.222	4
54	MP4C	Mx	.000939	4
55	M86	X	7.446	1.5
56	M86	Z	4.299	1.5
57	M86	Mx	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	2.305	2.5
59	MP2A	Z	1.331	2.5
60	MP2A	Mx	.001	2.5
61	MP2B	X	3.061	2.5
62	MP2B	Z	1.767	2.5
63	MP2B	Mx	-.001	2.5
64	MP2C	X	3.232	2.5
65	MP2C	Z	1.866	2.5
66	MP2C	Mx	-.000789	2.5
67	MP3A	X	1.872	2.5
68	MP3A	Z	1.081	2.5
69	MP3A	Mx	.001	2.5
70	MP3B	X	2.917	2.5
71	MP3B	Z	1.684	2.5
72	MP3B	Mx	-.000966	2.5
73	MP3C	X	3.154	2.5
74	MP3C	Z	1.821	2.5
75	MP3C	Mx	-.00077	2.5
76	MP1A	X	3.476	.5
77	MP1A	Z	2.007	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	3.476	5.5
80	MP1A	Z	2.007	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	5.801	.5
83	MP1B	Z	3.349	.5
84	MP1B	Mx	.002	.5
85	MP1B	X	5.801	5.5
86	MP1B	Z	3.349	5.5
87	MP1B	Mx	.002	5.5
88	MP1C	X	6.328	.5
89	MP1C	Z	3.654	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	6.328	5.5
92	MP1C	Z	3.654	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.311	1
2	MP3A	Z	5.734	1
3	MP3A	Mx	-.000497	1
4	MP3A	X	3.311	5
5	MP3A	Z	5.734	5
6	MP3A	Mx	-.000497	5
7	MP3B	X	4.274	1
8	MP3B	Z	7.403	1
9	MP3B	Mx	-.005	1
10	MP3B	X	4.274	5
11	MP3B	Z	7.403	5
12	MP3B	Mx	-.005	5
13	MP3C	X	3.311	1
14	MP3C	Z	5.734	1
15	MP3C	Mx	.005	1
16	MP3C	X	3.311	5
17	MP3C	Z	5.734	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	.005	5
19	MP3A	X	3.311	1
20	MP3A	Z	5.734	1
21	MP3A	Mx	-.005	1
22	MP3A	X	3.311	5
23	MP3A	Z	5.734	5
24	MP3A	Mx	-.005	5
25	MP3B	X	4.274	1
26	MP3B	Z	7.403	1
27	MP3B	Mx	.005	1
28	MP3B	X	4.274	5
29	MP3B	Z	7.403	5
30	MP3B	Mx	.005	5
31	MP3C	X	3.311	1
32	MP3C	Z	5.734	1
33	MP3C	Mx	.000496	1
34	MP3C	X	3.311	5
35	MP3C	Z	5.734	5
36	MP3C	Mx	.000496	5
37	MP4A	X	1.475	2
38	MP4A	Z	2.555	2
39	MP4A	Mx	-.001	2
40	MP4A	X	1.475	4
41	MP4A	Z	2.555	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.481	2
44	MP4B	Z	4.298	2
45	MP4B	Mx	.000216	2
46	MP4B	X	2.481	4
47	MP4B	Z	4.298	4
48	MP4B	Mx	.000216	4
49	MP4C	X	1.475	2
50	MP4C	Z	2.555	2
51	MP4C	Mx	.001	2
52	MP4C	X	1.475	4
53	MP4C	Z	2.555	4
54	MP4C	Mx	.001	4
55	M86	X	4.124	1.5
56	M86	Z	7.143	1.5
57	M86	Mx	0	1.5
58	MP2A	X	1.542	2.5
59	MP2A	Z	2.671	2.5
60	MP2A	Mx	.001	2.5
61	MP2B	X	1.979	2.5
62	MP2B	Z	3.427	2.5
63	MP2B	Mx	-.000173	2.5
64	MP2C	X	1.542	2.5
65	MP2C	Z	2.671	2.5
66	MP2C	Mx	-.001	2.5
67	MP3A	X	1.373	2.5
68	MP3A	Z	2.378	2.5
69	MP3A	Mx	.001	2.5
70	MP3B	X	1.977	2.5
71	MP3B	Z	3.424	2.5
72	MP3B	Mx	-.000172	2.5
73	MP3C	X	1.373	2.5
74	MP3C	Z	2.378	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3C	Mx	-.001	2.5
76	MP1A	X	2.657	.5
77	MP1A	Z	4.603	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	2.657	5.5
80	MP1A	Z	4.603	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	3.999	.5
83	MP1B	Z	6.927	.5
84	MP1B	Mx	.000348	.5
85	MP1B	X	3.999	5.5
86	MP1B	Z	6.927	5.5
87	MP1B	Mx	.000348	5.5
88	MP1C	X	2.657	.5
89	MP1C	Z	4.603	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	2.657	5.5
92	MP1C	Z	4.603	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1
2	MP3A	Z	8.052	1
3	MP3A	Mx	.003	1
4	MP3A	X	0	5
5	MP3A	Z	8.052	5
6	MP3A	Mx	.003	5
7	MP3B	X	0	1
8	MP3B	Z	8.052	1
9	MP3B	Mx	-.006	1
10	MP3B	X	0	5
11	MP3B	Z	8.052	5
12	MP3B	Mx	-.006	5
13	MP3C	X	0	1
14	MP3C	Z	5.688	1
15	MP3C	Mx	.003	1
16	MP3C	X	0	5
17	MP3C	Z	5.688	5
18	MP3C	Mx	.003	5
19	MP3A	X	0	1
20	MP3A	Z	8.052	1
21	MP3A	Mx	-.006	1
22	MP3A	X	0	5
23	MP3A	Z	8.052	5
24	MP3A	Mx	-.006	5
25	MP3B	X	0	1
26	MP3B	Z	8.052	1
27	MP3B	Mx	.003	1
28	MP3B	X	0	5
29	MP3B	Z	8.052	5
30	MP3B	Mx	.003	5
31	MP3C	X	0	1
32	MP3C	Z	5.688	1
33	MP3C	Mx	.003	1
34	MP3C	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	5.688	5
36	MP3C	Mx	.003	5
37	MP4A	X	0	2
38	MP4A	Z	4.444	2
39	MP4A	Mx	-.000939	2
40	MP4A	X	0	4
41	MP4A	Z	4.444	4
42	MP4A	Mx	-.000939	4
43	MP4B	X	0	2
44	MP4B	Z	4.444	2
45	MP4B	Mx	-.000939	2
46	MP4B	X	0	4
47	MP4B	Z	4.444	4
48	MP4B	Mx	-.000939	4
49	MP4C	X	0	2
50	MP4C	Z	1.975	2
51	MP4C	Mx	.000984	2
52	MP4C	X	0	4
53	MP4C	Z	1.975	4
54	MP4C	Mx	.000984	4
55	M86	X	0	1.5
56	M86	Z	7.243	1.5
57	M86	Mx	0	1.5
58	MP2A	X	0	2.5
59	MP2A	Z	3.732	2.5
60	MP2A	Mx	.000789	2.5
61	MP2B	X	0	2.5
62	MP2B	Z	3.732	2.5
63	MP2B	Mx	.000789	2.5
64	MP2C	X	0	2.5
65	MP2C	Z	2.662	2.5
66	MP2C	Mx	-.001	2.5
67	MP3A	X	0	2.5
68	MP3A	Z	3.642	2.5
69	MP3A	Mx	.00077	2.5
70	MP3B	X	0	2.5
71	MP3B	Z	3.642	2.5
72	MP3B	Mx	.00077	2.5
73	MP3C	X	0	2.5
74	MP3C	Z	2.162	2.5
75	MP3C	Mx	-.001	2.5
76	MP1A	X	0	.5
77	MP1A	Z	7.307	.5
78	MP1A	Mx	-.002	.5
79	MP1A	X	0	5.5
80	MP1A	Z	7.307	5.5
81	MP1A	Mx	-.002	5.5
82	MP1B	X	0	.5
83	MP1B	Z	7.307	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	0	5.5
86	MP1B	Z	7.307	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	0	.5
89	MP1C	Z	4.014	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	4.014	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.274	1
2	MP3A	Z	7.403	1
3	MP3A	Mx	.005	1
4	MP3A	X	-4.274	5
5	MP3A	Z	7.403	5
6	MP3A	Mx	.005	5
7	MP3B	X	-3.311	1
8	MP3B	Z	5.734	1
9	MP3B	Mx	-.005	1
10	MP3B	X	-3.311	5
11	MP3B	Z	5.734	5
12	MP3B	Mx	-.005	5
13	MP3C	X	-3.092	1
14	MP3C	Z	5.356	1
15	MP3C	Mx	.001	1
16	MP3C	X	-3.092	5
17	MP3C	Z	5.356	5
18	MP3C	Mx	.001	5
19	MP3A	X	-4.274	1
20	MP3A	Z	7.403	1
21	MP3A	Mx	-.005	1
22	MP3A	X	-4.274	5
23	MP3A	Z	7.403	5
24	MP3A	Mx	-.005	5
25	MP3B	X	-3.311	1
26	MP3B	Z	5.734	1
27	MP3B	Mx	-.000497	1
28	MP3B	X	-3.311	5
29	MP3B	Z	5.734	5
30	MP3B	Mx	-.000497	5
31	MP3C	X	-3.092	1
32	MP3C	Z	5.356	1
33	MP3C	Mx	.004	1
34	MP3C	X	-3.092	5
35	MP3C	Z	5.356	5
36	MP3C	Mx	.004	5
37	MP4A	X	-2.481	2
38	MP4A	Z	4.298	2
39	MP4A	Mx	.000216	2
40	MP4A	X	-2.481	4
41	MP4A	Z	4.298	4
42	MP4A	Mx	.000216	4
43	MP4B	X	-1.475	2
44	MP4B	Z	2.555	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-1.475	4
47	MP4B	Z	2.555	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-1.247	2
50	MP4C	Z	2.16	2
51	MP4C	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	-1.247	4
53	MP4C	Z	2.16	4
54	MP4C	Mx	.001	4
55	M86	X	-3.293	1.5
56	M86	Z	5.704	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-1.979	2.5
59	MP2A	Z	3.427	2.5
60	MP2A	Mx	-.000173	2.5
61	MP2B	X	-1.542	2.5
62	MP2B	Z	2.671	2.5
63	MP2B	Mx	.001	2.5
64	MP2C	X	-1.443	2.5
65	MP2C	Z	2.5	2.5
66	MP2C	Mx	-.001	2.5
67	MP3A	X	-1.977	2.5
68	MP3A	Z	3.424	2.5
69	MP3A	Mx	-.000172	2.5
70	MP3B	X	-1.373	2.5
71	MP3B	Z	2.378	2.5
72	MP3B	Mx	.001	2.5
73	MP3C	X	-1.236	2.5
74	MP3C	Z	2.142	2.5
75	MP3C	Mx	-.001	2.5
76	MP1A	X	-3.999	.5
77	MP1A	Z	6.927	.5
78	MP1A	Mx	.000348	.5
79	MP1A	X	-3.999	5.5
80	MP1A	Z	6.927	5.5
81	MP1A	Mx	.000348	5.5
82	MP1B	X	-2.657	.5
83	MP1B	Z	4.603	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	-2.657	5.5
86	MP1B	Z	4.603	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	-2.353	.5
89	MP1C	Z	4.076	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	-2.353	5.5
92	MP1C	Z	4.076	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.595	1
2	MP3A	Z	3.808	1
3	MP3A	Mx	.006	1
4	MP3A	X	-6.595	5
5	MP3A	Z	3.808	5
6	MP3A	Mx	.006	5
7	MP3B	X	-4.926	1
8	MP3B	Z	2.844	1
9	MP3B	Mx	-.003	1
10	MP3B	X	-4.926	5
11	MP3B	Z	2.844	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	-.003	5
13	MP3C	X	-6.595	1
14	MP3C	Z	3.808	1
15	MP3C	Mx	-.001	1
16	MP3C	X	-6.595	5
17	MP3C	Z	3.808	5
18	MP3C	Mx	-.001	5
19	MP3A	X	-6.595	1
20	MP3A	Z	3.808	1
21	MP3A	Mx	-.001	1
22	MP3A	X	-6.595	5
23	MP3A	Z	3.808	5
24	MP3A	Mx	-.001	5
25	MP3B	X	-4.926	1
26	MP3B	Z	2.844	1
27	MP3B	Mx	-.003	1
28	MP3B	X	-4.926	5
29	MP3B	Z	2.844	5
30	MP3B	Mx	-.003	5
31	MP3C	X	-6.595	1
32	MP3C	Z	3.808	1
33	MP3C	Mx	.006	1
34	MP3C	X	-6.595	5
35	MP3C	Z	3.808	5
36	MP3C	Mx	.006	5
37	MP4A	X	-3.453	2
38	MP4A	Z	1.994	2
39	MP4A	Mx	.001	2
40	MP4A	X	-3.453	4
41	MP4A	Z	1.994	4
42	MP4A	Mx	.001	4
43	MP4B	X	-1.71	2
44	MP4B	Z	.987	2
45	MP4B	Mx	-.000983	2
46	MP4B	X	-1.71	4
47	MP4B	Z	.987	4
48	MP4B	Mx	-.000983	4
49	MP4C	X	-3.453	2
50	MP4C	Z	1.994	2
51	MP4C	Mx	.001	2
52	MP4C	X	-3.453	4
53	MP4C	Z	1.994	4
54	MP4C	Mx	.001	4
55	M86	X	-6.007	1.5
56	M86	Z	3.468	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-3.061	2.5
59	MP2A	Z	1.767	2.5
60	MP2A	Mx	-.001	2.5
61	MP2B	X	-2.305	2.5
62	MP2B	Z	1.331	2.5
63	MP2B	Mx	.001	2.5
64	MP2C	X	-3.061	2.5
65	MP2C	Z	1.767	2.5
66	MP2C	Mx	-.001	2.5
67	MP3A	X	-2.917	2.5
68	MP3A	Z	1.684	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3A	Mx	-.000966	2.5
70	MP3B	X	-1.872	2.5
71	MP3B	Z	1.081	2.5
72	MP3B	Mx	.001	2.5
73	MP3C	X	-2.917	2.5
74	MP3C	Z	1.684	2.5
75	MP3C	Mx	-.000966	2.5
76	MP1A	X	-5.801	.5
77	MP1A	Z	3.349	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-5.801	5.5
80	MP1A	Z	3.349	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-3.476	.5
83	MP1B	Z	2.007	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	-3.476	5.5
86	MP1B	Z	2.007	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	-5.801	.5
89	MP1C	Z	3.349	.5
90	MP1C	Mx	.002	.5
91	MP1C	X	-5.801	5.5
92	MP1C	Z	3.349	5.5
93	MP1C	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.185	1
2	MP3A	Z	0	1
3	MP3A	Mx	.004	1
4	MP3A	X	-6.185	5
5	MP3A	Z	0	5
6	MP3A	Mx	.004	5
7	MP3B	X	-6.185	1
8	MP3B	Z	0	1
9	MP3B	Mx	-.001	1
10	MP3B	X	-6.185	5
11	MP3B	Z	0	5
12	MP3B	Mx	-.001	5
13	MP3C	X	-8.549	1
14	MP3C	Z	0	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-8.549	5
17	MP3C	Z	0	5
18	MP3C	Mx	-.005	5
19	MP3A	X	-6.185	1
20	MP3A	Z	0	1
21	MP3A	Mx	.001	1
22	MP3A	X	-6.185	5
23	MP3A	Z	0	5
24	MP3A	Mx	.001	5
25	MP3B	X	-6.185	1
26	MP3B	Z	0	1
27	MP3B	Mx	-.004	1
28	MP3B	X	-6.185	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	0	5
30	MP3B	Mx	-.004	5
31	MP3C	X	-8.549	1
32	MP3C	Z	0	1
33	MP3C	Mx	.005	1
34	MP3C	X	-8.549	5
35	MP3C	Z	0	5
36	MP3C	Mx	.005	5
37	MP4A	X	-2.494	2
38	MP4A	Z	0	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.494	4
41	MP4A	Z	0	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.494	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-2.494	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-4.962	2
50	MP4C	Z	0	2
51	MP4C	Mx	.000216	2
52	MP4C	X	-4.962	4
53	MP4C	Z	0	4
54	MP4C	Mx	.000216	4
55	M86	X	-7.941	1.5
56	M86	Z	0	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-2.887	2.5
59	MP2A	Z	0	2.5
60	MP2A	Mx	-.001	2.5
61	MP2B	X	-2.887	2.5
62	MP2B	Z	0	2.5
63	MP2B	Mx	.001	2.5
64	MP2C	X	-3.957	2.5
65	MP2C	Z	0	2.5
66	MP2C	Mx	-.000172	2.5
67	MP3A	X	-2.473	2.5
68	MP3A	Z	0	2.5
69	MP3A	Mx	-.001	2.5
70	MP3B	X	-2.473	2.5
71	MP3B	Z	0	2.5
72	MP3B	Mx	.001	2.5
73	MP3C	X	-3.953	2.5
74	MP3C	Z	0	2.5
75	MP3C	Mx	-.000172	2.5
76	MP1A	X	-4.706	.5
77	MP1A	Z	0	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-4.706	5.5
80	MP1A	Z	0	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-4.706	.5
83	MP1B	Z	0	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	-4.706	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP1B	Z	0	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	-7.999	.5
89	MP1C	Z	0	.5
90	MP1C	Mx	.000349	.5
91	MP1C	X	-7.999	5.5
92	MP1C	Z	0	5.5
93	MP1C	Mx	.000349	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.926	1
2	MP3A	Z	-2.844	1
3	MP3A	Mx	.003	1
4	MP3A	X	-4.926	5
5	MP3A	Z	-2.844	5
6	MP3A	Mx	.003	5
7	MP3B	X	-6.595	1
8	MP3B	Z	-3.808	1
9	MP3B	Mx	.001	1
10	MP3B	X	-6.595	5
11	MP3B	Z	-3.808	5
12	MP3B	Mx	.001	5
13	MP3C	X	-6.973	1
14	MP3C	Z	-4.026	1
15	MP3C	Mx	-.006	1
16	MP3C	X	-6.973	5
17	MP3C	Z	-4.026	5
18	MP3C	Mx	-.006	5
19	MP3A	X	-4.926	1
20	MP3A	Z	-2.844	1
21	MP3A	Mx	.003	1
22	MP3A	X	-4.926	5
23	MP3A	Z	-2.844	5
24	MP3A	Mx	.003	5
25	MP3B	X	-6.595	1
26	MP3B	Z	-3.808	1
27	MP3B	Mx	-.006	1
28	MP3B	X	-6.595	5
29	MP3B	Z	-3.808	5
30	MP3B	Mx	-.006	5
31	MP3C	X	-6.973	1
32	MP3C	Z	-4.026	1
33	MP3C	Mx	.003	1
34	MP3C	X	-6.973	5
35	MP3C	Z	-4.026	5
36	MP3C	Mx	.003	5
37	MP4A	X	-1.71	2
38	MP4A	Z	-.987	2
39	MP4A	Mx	.000983	2
40	MP4A	X	-1.71	4
41	MP4A	Z	-.987	4
42	MP4A	Mx	.000983	4
43	MP4B	X	-3.453	2
44	MP4B	Z	-1.994	2
45	MP4B	Mx	-.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP4B	X	-3.453	4
47	MP4B	Z	-1.994	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-3.848	2
50	MP4C	Z	-2.222	2
51	MP4C	Mx	-.000939	2
52	MP4C	X	-3.848	4
53	MP4C	Z	-2.222	4
54	MP4C	Mx	-.000939	4
55	M86	X	-7.446	1.5
56	M86	Z	-4.299	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-2.305	2.5
59	MP2A	Z	-1.331	2.5
60	MP2A	Mx	-.001	2.5
61	MP2B	X	-3.061	2.5
62	MP2B	Z	-1.767	2.5
63	MP2B	Mx	.001	2.5
64	MP2C	X	-3.232	2.5
65	MP2C	Z	-1.866	2.5
66	MP2C	Mx	.000789	2.5
67	MP3A	X	-1.872	2.5
68	MP3A	Z	-1.081	2.5
69	MP3A	Mx	-.001	2.5
70	MP3B	X	-2.917	2.5
71	MP3B	Z	-1.684	2.5
72	MP3B	Mx	.000966	2.5
73	MP3C	X	-3.154	2.5
74	MP3C	Z	-1.821	2.5
75	MP3C	Mx	.00077	2.5
76	MP1A	X	-3.476	.5
77	MP1A	Z	-2.007	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-3.476	5.5
80	MP1A	Z	-2.007	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-5.801	.5
83	MP1B	Z	-3.349	.5
84	MP1B	Mx	-.002	.5
85	MP1B	X	-5.801	5.5
86	MP1B	Z	-3.349	5.5
87	MP1B	Mx	-.002	5.5
88	MP1C	X	-6.328	.5
89	MP1C	Z	-3.654	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	-6.328	5.5
92	MP1C	Z	-3.654	5.5
93	MP1C	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.311	1
2	MP3A	Z	-5.734	1
3	MP3A	Mx	.000497	1
4	MP3A	X	-3.311	5
5	MP3A	Z	-5.734	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	.000497	5
7	MP3B	X	-4.274	1
8	MP3B	Z	-7.403	1
9	MP3B	Mx	.005	1
10	MP3B	X	-4.274	5
11	MP3B	Z	-7.403	5
12	MP3B	Mx	.005	5
13	MP3C	X	-3.311	1
14	MP3C	Z	-5.734	1
15	MP3C	Mx	-.005	1
16	MP3C	X	-3.311	5
17	MP3C	Z	-5.734	5
18	MP3C	Mx	-.005	5
19	MP3A	X	-3.311	1
20	MP3A	Z	-5.734	1
21	MP3A	Mx	.005	1
22	MP3A	X	-3.311	5
23	MP3A	Z	-5.734	5
24	MP3A	Mx	.005	5
25	MP3B	X	-4.274	1
26	MP3B	Z	-7.403	1
27	MP3B	Mx	-.005	1
28	MP3B	X	-4.274	5
29	MP3B	Z	-7.403	5
30	MP3B	Mx	-.005	5
31	MP3C	X	-3.311	1
32	MP3C	Z	-5.734	1
33	MP3C	Mx	-.000496	1
34	MP3C	X	-3.311	5
35	MP3C	Z	-5.734	5
36	MP3C	Mx	-.000496	5
37	MP4A	X	-1.475	2
38	MP4A	Z	-2.555	2
39	MP4A	Mx	.001	2
40	MP4A	X	-1.475	4
41	MP4A	Z	-2.555	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.481	2
44	MP4B	Z	-4.298	2
45	MP4B	Mx	-.000216	2
46	MP4B	X	-2.481	4
47	MP4B	Z	-4.298	4
48	MP4B	Mx	-.000216	4
49	MP4C	X	-1.475	2
50	MP4C	Z	-2.555	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-1.475	4
53	MP4C	Z	-2.555	4
54	MP4C	Mx	-.001	4
55	M86	X	-4.124	1.5
56	M86	Z	-7.143	1.5
57	M86	Mx	0	1.5
58	MP2A	X	-1.542	2.5
59	MP2A	Z	-2.671	2.5
60	MP2A	Mx	-.001	2.5
61	MP2B	X	-1.979	2.5
62	MP2B	Z	-3.427	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2B	Mx	.000173	2.5
64	MP2C	X	-1.542	2.5
65	MP2C	Z	-2.671	2.5
66	MP2C	Mx	.001	2.5
67	MP3A	X	-1.373	2.5
68	MP3A	Z	-2.378	2.5
69	MP3A	Mx	-.001	2.5
70	MP3B	X	-1.977	2.5
71	MP3B	Z	-3.424	2.5
72	MP3B	Mx	.000172	2.5
73	MP3C	X	-1.373	2.5
74	MP3C	Z	-2.378	2.5
75	MP3C	Mx	.001	2.5
76	MP1A	X	-2.657	.5
77	MP1A	Z	-4.603	.5
78	MP1A	Mx	.002	.5
79	MP1A	X	-2.657	5.5
80	MP1A	Z	-4.603	5.5
81	MP1A	Mx	.002	5.5
82	MP1B	X	-3.999	.5
83	MP1B	Z	-6.927	.5
84	MP1B	Mx	-.000348	.5
85	MP1B	X	-3.999	5.5
86	MP1B	Z	-6.927	5.5
87	MP1B	Mx	-.000348	5.5
88	MP1C	X	-2.657	.5
89	MP1C	Z	-4.603	.5
90	MP1C	Mx	-.002	.5
91	MP1C	X	-2.657	5.5
92	MP1C	Z	-4.603	5.5
93	MP1C	Mx	-.002	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M193A	Y	-500	%58

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M193A	Y	-500	%86

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M193A	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M193A	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	Y	-11.242	-11.242	0	%100
2	M10	Y	-12.832	-12.832	0	%100
3	M43	Y	-12.832	-12.832	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
4	M46	Y	-16.619	-16.619	0	%100
5	M51B	Y	-9.805	-9.805	0	%100
6	M52B	Y	-9.805	-9.805	0	%100
7	M80	Y	-16.619	-16.619	0	%100
8	M91	Y	-16.619	-16.619	0	%100
9	M149A	Y	-16.619	-16.619	0	%100
10	M148A	Y	-16.619	-16.619	0	%100
11	M149C	Y	-12.832	-12.832	0	%100
12	M150B	Y	-12.832	-12.832	0	%100
13	M151A	Y	-16.619	-16.619	0	%100
14	M159A	Y	-16.619	-16.619	0	%100
15	M161A	Y	-16.619	-16.619	0	%100
16	M166A	Y	-16.619	-16.619	0	%100
17	M168A	Y	-16.619	-16.619	0	%100
18	M171A	Y	-12.832	-12.832	0	%100
19	M172A	Y	-12.832	-12.832	0	%100
20	M173A	Y	-16.619	-16.619	0	%100
21	M181A	Y	-16.619	-16.619	0	%100
22	M183A	Y	-16.619	-16.619	0	%100
23	M188A	Y	-16.619	-16.619	0	%100
24	M190A	Y	-16.619	-16.619	0	%100
25	M193A	Y	-11.242	-11.242	0	%100
26	M193B	Y	-11.242	-11.242	0	%100
27	M194A	Y	-11.242	-11.242	0	%100
28	M178A	Y	-11.242	-11.242	0	%100
29	M179B	Y	-9.805	-9.805	0	%100
30	M180B	Y	-9.805	-9.805	0	%100
31	M182B	Y	-11.242	-11.242	0	%100
32	M183B	Y	-9.805	-9.805	0	%100
33	M184B	Y	-9.805	-9.805	0	%100
34	MP1A	Y	-8.834	-8.834	0	%100
35	MP2A	Y	-8.834	-8.834	0	%100
36	MP3A	Y	-9.905	-9.905	0	%100
37	MP4A	Y	-8.834	-8.834	0	%100
38	MP1C	Y	-8.834	-8.834	0	%100
39	MP2C	Y	-8.834	-8.834	0	%100
40	MP3C	Y	-9.905	-9.905	0	%100
41	MP4C	Y	-8.834	-8.834	0	%100
42	MP1B	Y	-8.834	-8.834	0	%100
43	MP2B	Y	-8.834	-8.834	0	%100
44	MP3B	Y	-9.905	-9.905	0	%100
45	MP4B	Y	-8.834	-8.834	0	%100
46	M86	Y	-8.834	-8.834	0	%100
47	M92A	Y	-11.242	-11.242	0	%100
48	M93	Y	-11.242	-11.242	0	%100
49	M94	Y	-11.242	-11.242	0	%100
50	M113	Y	-12.832	-12.832	0	%100
51	M114	Y	-12.832	-12.832	0	%100
52	M115	Y	-12.832	-12.832	0	%100
53	M116	Y	-17.397	-17.397	0	%100
54	M117	Y	-17.397	-17.397	0	%100
55	M118	Y	-17.397	-17.397	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-11.777	-11.777	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-11.777	-11.777	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-18.704	-18.704	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-2.85	-2.85	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-2.85	-2.85	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	-5.016	-5.016	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	-5.016	-5.016	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	-4.763	-4.763	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	-4.763	-4.763	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	-2.944	-2.944	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	-2.944	-2.944	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	-4.676	-4.676	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	-5.016	-5.016	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	-20.065	-20.065	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	-4.763	-4.763	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	-19.05	-19.05	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	-2.944	-2.944	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	-2.944	-2.944	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	-4.676	-4.676	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	-20.065	-20.065	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	-5.016	-5.016	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	-19.05	-19.05	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	-4.763	-4.763	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	-10.911	-10.911	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	-2.728	-2.728	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	-2.728	-2.728	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	-7.295	-7.295	0	%100
57	M179B	X	0	0	0	%100
58	M179B	Z	-2.353	-2.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	0	0	0	%100
60	M180B	Z	-10.383	-10.383	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	-7.295	-7.295	0	%100
63	M183B	X	0	0	0	%100
64	M183B	Z	-10.383	-10.383	0	%100
65	M184B	X	0	0	0	%100
66	M184B	Z	-2.353	-2.353	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-7.404	-7.404	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-7.404	-7.404	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-8.962	-8.962	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-7.404	-7.404	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-7.404	-7.404	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	-7.404	-7.404	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	-8.962	-8.962	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-7.404	-7.404	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-7.404	-7.404	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-7.404	-7.404	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-8.962	-8.962	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	-7.404	-7.404	0	%100
91	M86	X	0	0	0	%100
92	M86	Z	-6.054	-6.054	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	-10.911	-10.911	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	-2.728	-2.728	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	-2.728	-2.728	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	-2.608	-2.608	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	-2.608	-2.608	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	-10.431	-10.431	0	%100
105	M116	X	0	0	0	%100
106	M116	Z	-16.522	-16.522	0	%100
107	M117	X	0	0	0	%100
108	M117	Z	-15.821	-15.821	0	%100
109	M118	X	0	0	0	%100
110	M118	Z	-15.821	-15.821	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	1.216	1.216	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-2.106	-2.106	0	%100
3	M10	X	4.416	4.416	0	%100
4	M10	Z	-7.649	-7.649	0	%100
5	M43	X	4.416	4.416	0	%100
6	M43	Z	-7.649	-7.649	0	%100
7	M46	X	7.014	7.014	0	%100
8	M46	Z	-12.149	-12.149	0	%100
9	M51B	X	4.019	4.019	0	%100
10	M51B	Z	-6.961	-6.961	0	%100
11	M52B	X	.004	.004	0	%100
12	M52B	Z	-.007	-.007	0	%100
13	M80	X	7.525	7.525	0	%100
14	M80	Z	-13.033	-13.033	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	7.144	7.144	0	%100
18	M149A	Z	-12.374	-12.374	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	4.416	4.416	0	%100
22	M149C	Z	-7.649	-7.649	0	%100
23	M150B	X	4.416	4.416	0	%100
24	M150B	Z	-7.649	-7.649	0	%100
25	M151A	X	7.014	7.014	0	%100
26	M151A	Z	-12.149	-12.149	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	7.525	7.525	0	%100
30	M161A	Z	-13.033	-13.033	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	7.144	7.144	0	%100
34	M168A	Z	-12.374	-12.374	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	7.525	7.525	0	%100
42	M181A	Z	-13.033	-13.033	0	%100
43	M183A	X	7.525	7.525	0	%100
44	M183A	Z	-13.033	-13.033	0	%100
45	M188A	X	7.144	7.144	0	%100
46	M188A	Z	-12.374	-12.374	0	%100
47	M190A	X	7.144	7.144	0	%100
48	M190A	Z	-12.374	-12.374	0	%100
49	M193A	X	4.092	4.092	0	%100
50	M193A	Z	-7.087	-7.087	0	%100
51	M193B	X	4.092	4.092	0	%100
52	M193B	Z	-7.087	-7.087	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	1.216	1.216	0	%100
56	M178A	Z	-2.106	-2.106	0	%100
57	M179B	X	.004	.004	0	%100
58	M179B	Z	-.007	-.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	4.019	4.019	0	%100
60	M180B	Z	-6.961	-6.961	0	%100
61	M182B	X	4.864	4.864	0	%100
62	M182B	Z	-8.424	-8.424	0	%100
63	M183B	X	3.77	3.77	0	%100
64	M183B	Z	-6.531	-6.531	0	%100
65	M184B	X	3.77	3.77	0	%100
66	M184B	Z	-6.531	-6.531	0	%100
67	MP1A	X	3.702	3.702	0	%100
68	MP1A	Z	-6.412	-6.412	0	%100
69	MP2A	X	3.702	3.702	0	%100
70	MP2A	Z	-6.412	-6.412	0	%100
71	MP3A	X	4.481	4.481	0	%100
72	MP3A	Z	-7.762	-7.762	0	%100
73	MP4A	X	3.702	3.702	0	%100
74	MP4A	Z	-6.412	-6.412	0	%100
75	MP1C	X	3.702	3.702	0	%100
76	MP1C	Z	-6.412	-6.412	0	%100
77	MP2C	X	3.702	3.702	0	%100
78	MP2C	Z	-6.412	-6.412	0	%100
79	MP3C	X	4.481	4.481	0	%100
80	MP3C	Z	-7.762	-7.762	0	%100
81	MP4C	X	3.702	3.702	0	%100
82	MP4C	Z	-6.412	-6.412	0	%100
83	MP1B	X	3.702	3.702	0	%100
84	MP1B	Z	-6.412	-6.412	0	%100
85	MP2B	X	3.702	3.702	0	%100
86	MP2B	Z	-6.412	-6.412	0	%100
87	MP3B	X	4.481	4.481	0	%100
88	MP3B	Z	-7.762	-7.762	0	%100
89	MP4B	X	3.702	3.702	0	%100
90	MP4B	Z	-6.412	-6.412	0	%100
91	M86	X	3.027	3.027	0	%100
92	M86	Z	-5.243	-5.243	0	%100
93	M92A	X	4.092	4.092	0	%100
94	M92A	Z	-7.087	-7.087	0	%100
95	M93	X	4.092	4.092	0	%100
96	M93	Z	-7.087	-7.087	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	3.911	3.911	0	%100
100	M113	Z	-6.775	-6.775	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	3.911	3.911	0	%100
104	M115	Z	-6.775	-6.775	0	%100
105	M116	X	8.144	8.144	0	%100
106	M116	Z	-14.106	-14.106	0	%100
107	M117	X	8.144	8.144	0	%100
108	M117	Z	-14.106	-14.106	0	%100
109	M118	X	7.793	7.793	0	%100
110	M118	Z	-13.499	-13.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	6.318	6.318	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-3.648	-3.648	0	%100
3	M10	X	2.55	2.55	0	%100
4	M10	Z	-1.472	-1.472	0	%100
5	M43	X	2.55	2.55	0	%100
6	M43	Z	-1.472	-1.472	0	%100
7	M46	X	4.05	4.05	0	%100
8	M46	Z	-2.338	-2.338	0	%100
9	M51B	X	8.992	8.992	0	%100
10	M51B	Z	-5.192	-5.192	0	%100
11	M52B	X	2.038	2.038	0	%100
12	M52B	Z	-1.177	-1.177	0	%100
13	M80	X	17.377	17.377	0	%100
14	M80	Z	-10.033	-10.033	0	%100
15	M91	X	4.344	4.344	0	%100
16	M91	Z	-2.508	-2.508	0	%100
17	M149A	X	16.498	16.498	0	%100
18	M149A	Z	-9.525	-9.525	0	%100
19	M148A	X	4.125	4.125	0	%100
20	M148A	Z	-2.381	-2.381	0	%100
21	M149C	X	10.199	10.199	0	%100
22	M149C	Z	-5.888	-5.888	0	%100
23	M150B	X	10.199	10.199	0	%100
24	M150B	Z	-5.888	-5.888	0	%100
25	M151A	X	16.198	16.198	0	%100
26	M151A	Z	-9.352	-9.352	0	%100
27	M159A	X	4.344	4.344	0	%100
28	M159A	Z	-2.508	-2.508	0	%100
29	M161A	X	4.344	4.344	0	%100
30	M161A	Z	-2.508	-2.508	0	%100
31	M166A	X	4.125	4.125	0	%100
32	M166A	Z	-2.381	-2.381	0	%100
33	M168A	X	4.125	4.125	0	%100
34	M168A	Z	-2.381	-2.381	0	%100
35	M171A	X	2.55	2.55	0	%100
36	M171A	Z	-1.472	-1.472	0	%100
37	M172A	X	2.55	2.55	0	%100
38	M172A	Z	-1.472	-1.472	0	%100
39	M173A	X	4.05	4.05	0	%100
40	M173A	Z	-2.338	-2.338	0	%100
41	M181A	X	4.344	4.344	0	%100
42	M181A	Z	-2.508	-2.508	0	%100
43	M183A	X	17.377	17.377	0	%100
44	M183A	Z	-10.033	-10.033	0	%100
45	M188A	X	4.125	4.125	0	%100
46	M188A	Z	-2.381	-2.381	0	%100
47	M190A	X	16.498	16.498	0	%100
48	M190A	Z	-9.525	-9.525	0	%100
49	M193A	X	2.362	2.362	0	%100
50	M193A	Z	-1.364	-1.364	0	%100
51	M193B	X	9.449	9.449	0	%100
52	M193B	Z	-5.455	-5.455	0	%100
53	M194A	X	2.362	2.362	0	%100
54	M194A	Z	-1.364	-1.364	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	2.468	2.468	0	%100
58	M179B	Z	-1.425	-1.425	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	2.468	2.468	0	%100
60	M180B	Z	-1.425	-1.425	0	%100
61	M182B	X	6.318	6.318	0	%100
62	M182B	Z	-3.648	-3.648	0	%100
63	M183B	X	2.038	2.038	0	%100
64	M183B	Z	-1.177	-1.177	0	%100
65	M184B	X	8.992	8.992	0	%100
66	M184B	Z	-5.192	-5.192	0	%100
67	MP1A	X	6.412	6.412	0	%100
68	MP1A	Z	-3.702	-3.702	0	%100
69	MP2A	X	6.412	6.412	0	%100
70	MP2A	Z	-3.702	-3.702	0	%100
71	MP3A	X	7.762	7.762	0	%100
72	MP3A	Z	-4.481	-4.481	0	%100
73	MP4A	X	6.412	6.412	0	%100
74	MP4A	Z	-3.702	-3.702	0	%100
75	MP1C	X	6.412	6.412	0	%100
76	MP1C	Z	-3.702	-3.702	0	%100
77	MP2C	X	6.412	6.412	0	%100
78	MP2C	Z	-3.702	-3.702	0	%100
79	MP3C	X	7.762	7.762	0	%100
80	MP3C	Z	-4.481	-4.481	0	%100
81	MP4C	X	6.412	6.412	0	%100
82	MP4C	Z	-3.702	-3.702	0	%100
83	MP1B	X	6.412	6.412	0	%100
84	MP1B	Z	-3.702	-3.702	0	%100
85	MP2B	X	6.412	6.412	0	%100
86	MP2B	Z	-3.702	-3.702	0	%100
87	MP3B	X	7.762	7.762	0	%100
88	MP3B	Z	-4.481	-4.481	0	%100
89	MP4B	X	6.412	6.412	0	%100
90	MP4B	Z	-3.702	-3.702	0	%100
91	M86	X	5.243	5.243	0	%100
92	M86	Z	-3.027	-3.027	0	%100
93	M92A	X	2.362	2.362	0	%100
94	M92A	Z	-1.364	-1.364	0	%100
95	M93	X	9.449	9.449	0	%100
96	M93	Z	-5.455	-5.455	0	%100
97	M94	X	2.362	2.362	0	%100
98	M94	Z	-1.364	-1.364	0	%100
99	M113	X	9.033	9.033	0	%100
100	M113	Z	-5.215	-5.215	0	%100
101	M114	X	2.258	2.258	0	%100
102	M114	Z	-1.304	-1.304	0	%100
103	M115	X	2.258	2.258	0	%100
104	M115	Z	-1.304	-1.304	0	%100
105	M116	X	13.701	13.701	0	%100
106	M116	Z	-7.91	-7.91	0	%100
107	M117	X	14.308	14.308	0	%100
108	M117	Z	-8.261	-8.261	0	%100
109	M118	X	13.701	13.701	0	%100
110	M118	Z	-7.91	-7.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	9.727	9.727	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	7.541	7.541	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	7.541	7.541	0	%100
12	M52B	Z	0	0	0	%100
13	M80	X	15.049	15.049	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	15.049	15.049	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	14.288	14.288	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	14.288	14.288	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	8.832	8.832	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	8.832	8.832	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	14.028	14.028	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	15.049	15.049	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	0	0	0	%100
31	M166A	X	14.288	14.288	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	0	0	0	%100
35	M171A	X	8.832	8.832	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	8.832	8.832	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	14.028	14.028	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	0	0	0	%100
43	M183A	X	15.049	15.049	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	0	0	0	%100
47	M190A	X	14.288	14.288	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	0	0	0	%100
51	M193B	X	8.183	8.183	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	8.183	8.183	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	2.432	2.432	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	8.038	8.038	0	%100
58	M179B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.008	.008	0	%100
60	M180B	Z	0	0	0	%100
61	M182B	X	2.432	2.432	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	.008	.008	0	%100
64	M183B	Z	0	0	0	%100
65	M184B	X	8.038	8.038	0	%100
66	M184B	Z	0	0	0	%100
67	MP1A	X	7.404	7.404	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	7.404	7.404	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	8.962	8.962	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	7.404	7.404	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1C	X	7.404	7.404	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	7.404	7.404	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	8.962	8.962	0	%100
80	MP3C	Z	0	0	0	%100
81	MP4C	X	7.404	7.404	0	%100
82	MP4C	Z	0	0	0	%100
83	MP1B	X	7.404	7.404	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	7.404	7.404	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	8.962	8.962	0	%100
88	MP3B	Z	0	0	0	%100
89	MP4B	X	7.404	7.404	0	%100
90	MP4B	Z	0	0	0	%100
91	M86	X	6.054	6.054	0	%100
92	M86	Z	0	0	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	0	0	0	%100
95	M93	X	8.183	8.183	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	8.183	8.183	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	7.823	7.823	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	7.823	7.823	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	0	0	0	%100
105	M116	X	15.587	15.587	0	%100
106	M116	Z	0	0	0	%100
107	M117	X	16.288	16.288	0	%100
108	M117	Z	0	0	0	%100
109	M118	X	16.288	16.288	0	%100
110	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	6.318	6.318	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	3.648	3.648	0	%100
3	M10	X	2.55	2.55	0	%100
4	M10	Z	1.472	1.472	0	%100
5	M43	X	2.55	2.55	0	%100
6	M43	Z	1.472	1.472	0	%100
7	M46	X	4.05	4.05	0	%100
8	M46	Z	2.338	2.338	0	%100
9	M51B	X	2.038	2.038	0	%100
10	M51B	Z	1.177	1.177	0	%100
11	M52B	X	8.992	8.992	0	%100
12	M52B	Z	5.192	5.192	0	%100
13	M80	X	4.344	4.344	0	%100
14	M80	Z	2.508	2.508	0	%100
15	M91	X	17.377	17.377	0	%100
16	M91	Z	10.033	10.033	0	%100
17	M149A	X	4.125	4.125	0	%100
18	M149A	Z	2.381	2.381	0	%100
19	M148A	X	16.498	16.498	0	%100
20	M148A	Z	9.525	9.525	0	%100
21	M149C	X	2.55	2.55	0	%100
22	M149C	Z	1.472	1.472	0	%100
23	M150B	X	2.55	2.55	0	%100
24	M150B	Z	1.472	1.472	0	%100
25	M151A	X	4.05	4.05	0	%100
26	M151A	Z	2.338	2.338	0	%100
27	M159A	X	17.377	17.377	0	%100
28	M159A	Z	10.033	10.033	0	%100
29	M161A	X	4.344	4.344	0	%100
30	M161A	Z	2.508	2.508	0	%100
31	M166A	X	16.498	16.498	0	%100
32	M166A	Z	9.525	9.525	0	%100
33	M168A	X	4.125	4.125	0	%100
34	M168A	Z	2.381	2.381	0	%100
35	M171A	X	10.199	10.199	0	%100
36	M171A	Z	5.888	5.888	0	%100
37	M172A	X	10.199	10.199	0	%100
38	M172A	Z	5.888	5.888	0	%100
39	M173A	X	16.198	16.198	0	%100
40	M173A	Z	9.352	9.352	0	%100
41	M181A	X	4.344	4.344	0	%100
42	M181A	Z	2.508	2.508	0	%100
43	M183A	X	4.344	4.344	0	%100
44	M183A	Z	2.508	2.508	0	%100
45	M188A	X	4.125	4.125	0	%100
46	M188A	Z	2.381	2.381	0	%100
47	M190A	X	4.125	4.125	0	%100
48	M190A	Z	2.381	2.381	0	%100
49	M193A	X	2.362	2.362	0	%100
50	M193A	Z	1.364	1.364	0	%100
51	M193B	X	2.362	2.362	0	%100
52	M193B	Z	1.364	1.364	0	%100
53	M194A	X	9.449	9.449	0	%100
54	M194A	Z	5.455	5.455	0	%100
55	M178A	X	6.318	6.318	0	%100
56	M178A	Z	3.648	3.648	0	%100
57	M179B	X	8.992	8.992	0	%100
58	M179B	Z	5.192	5.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	2.038	2.038	0	%100
60	M180B	Z	1.177	1.177	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	2.468	2.468	0	%100
64	M183B	Z	1.425	1.425	0	%100
65	M184B	X	2.468	2.468	0	%100
66	M184B	Z	1.425	1.425	0	%100
67	MP1A	X	6.412	6.412	0	%100
68	MP1A	Z	3.702	3.702	0	%100
69	MP2A	X	6.412	6.412	0	%100
70	MP2A	Z	3.702	3.702	0	%100
71	MP3A	X	7.762	7.762	0	%100
72	MP3A	Z	4.481	4.481	0	%100
73	MP4A	X	6.412	6.412	0	%100
74	MP4A	Z	3.702	3.702	0	%100
75	MP1C	X	6.412	6.412	0	%100
76	MP1C	Z	3.702	3.702	0	%100
77	MP2C	X	6.412	6.412	0	%100
78	MP2C	Z	3.702	3.702	0	%100
79	MP3C	X	7.762	7.762	0	%100
80	MP3C	Z	4.481	4.481	0	%100
81	MP4C	X	6.412	6.412	0	%100
82	MP4C	Z	3.702	3.702	0	%100
83	MP1B	X	6.412	6.412	0	%100
84	MP1B	Z	3.702	3.702	0	%100
85	MP2B	X	6.412	6.412	0	%100
86	MP2B	Z	3.702	3.702	0	%100
87	MP3B	X	7.762	7.762	0	%100
88	MP3B	Z	4.481	4.481	0	%100
89	MP4B	X	6.412	6.412	0	%100
90	MP4B	Z	3.702	3.702	0	%100
91	M86	X	5.243	5.243	0	%100
92	M86	Z	3.027	3.027	0	%100
93	M92A	X	2.362	2.362	0	%100
94	M92A	Z	1.364	1.364	0	%100
95	M93	X	2.362	2.362	0	%100
96	M93	Z	1.364	1.364	0	%100
97	M94	X	9.449	9.449	0	%100
98	M94	Z	5.455	5.455	0	%100
99	M113	X	2.258	2.258	0	%100
100	M113	Z	1.304	1.304	0	%100
101	M114	X	9.033	9.033	0	%100
102	M114	Z	5.215	5.215	0	%100
103	M115	X	2.258	2.258	0	%100
104	M115	Z	1.304	1.304	0	%100
105	M116	X	13.701	13.701	0	%100
106	M116	Z	7.91	7.91	0	%100
107	M117	X	13.701	13.701	0	%100
108	M117	Z	7.91	7.91	0	%100
109	M118	X	14.308	14.308	0	%100
110	M118	Z	8.261	8.261	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	1.216	1.216	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	2.106	2.106	0	%100
3	M10	X	4.416	4.416	0	%100
4	M10	Z	7.649	7.649	0	%100
5	M43	X	4.416	4.416	0	%100
6	M43	Z	7.649	7.649	0	%100
7	M46	X	7.014	7.014	0	%100
8	M46	Z	12.149	12.149	0	%100
9	M51B	X	.004	.004	0	%100
10	M51B	Z	.007	.007	0	%100
11	M52B	X	4.019	4.019	0	%100
12	M52B	Z	6.961	6.961	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	7.525	7.525	0	%100
16	M91	Z	13.033	13.033	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	7.144	7.144	0	%100
20	M148A	Z	12.374	12.374	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	7.525	7.525	0	%100
28	M159A	Z	13.033	13.033	0	%100
29	M161A	X	7.525	7.525	0	%100
30	M161A	Z	13.033	13.033	0	%100
31	M166A	X	7.144	7.144	0	%100
32	M166A	Z	12.374	12.374	0	%100
33	M168A	X	7.144	7.144	0	%100
34	M168A	Z	12.374	12.374	0	%100
35	M171A	X	4.416	4.416	0	%100
36	M171A	Z	7.649	7.649	0	%100
37	M172A	X	4.416	4.416	0	%100
38	M172A	Z	7.649	7.649	0	%100
39	M173A	X	7.014	7.014	0	%100
40	M173A	Z	12.149	12.149	0	%100
41	M181A	X	7.525	7.525	0	%100
42	M181A	Z	13.033	13.033	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	7.144	7.144	0	%100
46	M188A	Z	12.374	12.374	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	4.092	4.092	0	%100
50	M193A	Z	7.087	7.087	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	4.092	4.092	0	%100
54	M194A	Z	7.087	7.087	0	%100
55	M178A	X	4.864	4.864	0	%100
56	M178A	Z	8.424	8.424	0	%100
57	M179B	X	3.77	3.77	0	%100
58	M179B	Z	6.531	6.531	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	3.77	3.77	0	%100
60	M180B	Z	6.531	6.531	0	%100
61	M182B	X	1.216	1.216	0	%100
62	M182B	Z	2.106	2.106	0	%100
63	M183B	X	4.019	4.019	0	%100
64	M183B	Z	6.961	6.961	0	%100
65	M184B	X	.004	.004	0	%100
66	M184B	Z	.007	.007	0	%100
67	MP1A	X	3.702	3.702	0	%100
68	MP1A	Z	6.412	6.412	0	%100
69	MP2A	X	3.702	3.702	0	%100
70	MP2A	Z	6.412	6.412	0	%100
71	MP3A	X	4.481	4.481	0	%100
72	MP3A	Z	7.762	7.762	0	%100
73	MP4A	X	3.702	3.702	0	%100
74	MP4A	Z	6.412	6.412	0	%100
75	MP1C	X	3.702	3.702	0	%100
76	MP1C	Z	6.412	6.412	0	%100
77	MP2C	X	3.702	3.702	0	%100
78	MP2C	Z	6.412	6.412	0	%100
79	MP3C	X	4.481	4.481	0	%100
80	MP3C	Z	7.762	7.762	0	%100
81	MP4C	X	3.702	3.702	0	%100
82	MP4C	Z	6.412	6.412	0	%100
83	MP1B	X	3.702	3.702	0	%100
84	MP1B	Z	6.412	6.412	0	%100
85	MP2B	X	3.702	3.702	0	%100
86	MP2B	Z	6.412	6.412	0	%100
87	MP3B	X	4.481	4.481	0	%100
88	MP3B	Z	7.762	7.762	0	%100
89	MP4B	X	3.702	3.702	0	%100
90	MP4B	Z	6.412	6.412	0	%100
91	M86	X	3.027	3.027	0	%100
92	M86	Z	5.243	5.243	0	%100
93	M92A	X	4.092	4.092	0	%100
94	M92A	Z	7.087	7.087	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	4.092	4.092	0	%100
98	M94	Z	7.087	7.087	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	3.911	3.911	0	%100
102	M114	Z	6.775	6.775	0	%100
103	M115	X	3.911	3.911	0	%100
104	M115	Z	6.775	6.775	0	%100
105	M116	X	8.144	8.144	0	%100
106	M116	Z	14.106	14.106	0	%100
107	M117	X	7.793	7.793	0	%100
108	M117	Z	13.499	13.499	0	%100
109	M118	X	8.144	8.144	0	%100
110	M118	Z	14.106	14.106	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	11.777	11.777	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	11.777	11.777	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	18.704	18.704	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	2.85	2.85	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	2.85	2.85	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	5.016	5.016	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	5.016	5.016	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	4.763	4.763	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	4.763	4.763	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	2.944	2.944	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	2.944	2.944	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	4.676	4.676	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	5.016	5.016	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	20.065	20.065	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	4.763	4.763	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	19.05	19.05	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	2.944	2.944	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	2.944	2.944	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	4.676	4.676	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	20.065	20.065	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	5.016	5.016	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	19.05	19.05	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	4.763	4.763	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	10.911	10.911	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	2.728	2.728	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	2.728	2.728	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	7.295	7.295	0	%100
57	M179B	X	0	0	0	%100
58	M179B	Z	2.353	2.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	0	0	0	%100
60	M180B	Z	10.383	10.383	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	7.295	7.295	0	%100
63	M183B	X	0	0	0	%100
64	M183B	Z	10.383	10.383	0	%100
65	M184B	X	0	0	0	%100
66	M184B	Z	2.353	2.353	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	7.404	7.404	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	7.404	7.404	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	8.962	8.962	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	7.404	7.404	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	7.404	7.404	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	7.404	7.404	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	8.962	8.962	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	7.404	7.404	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	7.404	7.404	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	7.404	7.404	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	8.962	8.962	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	7.404	7.404	0	%100
91	M86	X	0	0	0	%100
92	M86	Z	6.054	6.054	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	10.911	10.911	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	2.728	2.728	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	2.728	2.728	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	2.608	2.608	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	2.608	2.608	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	10.431	10.431	0	%100
105	M116	X	0	0	0	%100
106	M116	Z	16.522	16.522	0	%100
107	M117	X	0	0	0	%100
108	M117	Z	15.821	15.821	0	%100
109	M118	X	0	0	0	%100
110	M118	Z	15.821	15.821	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-1.216	-1.216	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	2.106	2.106	0	%100
3	M10	X	-4.416	-4.416	0	%100
4	M10	Z	7.649	7.649	0	%100
5	M43	X	-4.416	-4.416	0	%100
6	M43	Z	7.649	7.649	0	%100
7	M46	X	-7.014	-7.014	0	%100
8	M46	Z	12.149	12.149	0	%100
9	M51B	X	-4.019	-4.019	0	%100
10	M51B	Z	6.961	6.961	0	%100
11	M52B	X	-.004	-.004	0	%100
12	M52B	Z	.007	.007	0	%100
13	M80	X	-7.525	-7.525	0	%100
14	M80	Z	13.033	13.033	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	-7.144	-7.144	0	%100
18	M149A	Z	12.374	12.374	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	-4.416	-4.416	0	%100
22	M149C	Z	7.649	7.649	0	%100
23	M150B	X	-4.416	-4.416	0	%100
24	M150B	Z	7.649	7.649	0	%100
25	M151A	X	-7.014	-7.014	0	%100
26	M151A	Z	12.149	12.149	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	-7.525	-7.525	0	%100
30	M161A	Z	13.033	13.033	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	-7.144	-7.144	0	%100
34	M168A	Z	12.374	12.374	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	-7.525	-7.525	0	%100
42	M181A	Z	13.033	13.033	0	%100
43	M183A	X	-7.525	-7.525	0	%100
44	M183A	Z	13.033	13.033	0	%100
45	M188A	X	-7.144	-7.144	0	%100
46	M188A	Z	12.374	12.374	0	%100
47	M190A	X	-7.144	-7.144	0	%100
48	M190A	Z	12.374	12.374	0	%100
49	M193A	X	-4.092	-4.092	0	%100
50	M193A	Z	7.087	7.087	0	%100
51	M193B	X	-4.092	-4.092	0	%100
52	M193B	Z	7.087	7.087	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	-1.216	-1.216	0	%100
56	M178A	Z	2.106	2.106	0	%100
57	M179B	X	-.004	-.004	0	%100
58	M179B	Z	.007	.007	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-4.019	-4.019	0	%100
60	M180B	Z	6.961	6.961	0	%100
61	M182B	X	-4.864	-4.864	0	%100
62	M182B	Z	8.424	8.424	0	%100
63	M183B	X	-3.77	-3.77	0	%100
64	M183B	Z	6.531	6.531	0	%100
65	M184B	X	-3.77	-3.77	0	%100
66	M184B	Z	6.531	6.531	0	%100
67	MP1A	X	-3.702	-3.702	0	%100
68	MP1A	Z	6.412	6.412	0	%100
69	MP2A	X	-3.702	-3.702	0	%100
70	MP2A	Z	6.412	6.412	0	%100
71	MP3A	X	-4.481	-4.481	0	%100
72	MP3A	Z	7.762	7.762	0	%100
73	MP4A	X	-3.702	-3.702	0	%100
74	MP4A	Z	6.412	6.412	0	%100
75	MP1C	X	-3.702	-3.702	0	%100
76	MP1C	Z	6.412	6.412	0	%100
77	MP2C	X	-3.702	-3.702	0	%100
78	MP2C	Z	6.412	6.412	0	%100
79	MP3C	X	-4.481	-4.481	0	%100
80	MP3C	Z	7.762	7.762	0	%100
81	MP4C	X	-3.702	-3.702	0	%100
82	MP4C	Z	6.412	6.412	0	%100
83	MP1B	X	-3.702	-3.702	0	%100
84	MP1B	Z	6.412	6.412	0	%100
85	MP2B	X	-3.702	-3.702	0	%100
86	MP2B	Z	6.412	6.412	0	%100
87	MP3B	X	-4.481	-4.481	0	%100
88	MP3B	Z	7.762	7.762	0	%100
89	MP4B	X	-3.702	-3.702	0	%100
90	MP4B	Z	6.412	6.412	0	%100
91	M86	X	-3.027	-3.027	0	%100
92	M86	Z	5.243	5.243	0	%100
93	M92A	X	-4.092	-4.092	0	%100
94	M92A	Z	7.087	7.087	0	%100
95	M93	X	-4.092	-4.092	0	%100
96	M93	Z	7.087	7.087	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	-3.911	-3.911	0	%100
100	M113	Z	6.775	6.775	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	-3.911	-3.911	0	%100
104	M115	Z	6.775	6.775	0	%100
105	M116	X	-8.144	-8.144	0	%100
106	M116	Z	14.106	14.106	0	%100
107	M117	X	-8.144	-8.144	0	%100
108	M117	Z	14.106	14.106	0	%100
109	M118	X	-7.793	-7.793	0	%100
110	M118	Z	13.499	13.499	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-6.318	-6.318	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	3.648	3.648	0	%100
3	M10	X	-2.55	-2.55	0	%100
4	M10	Z	1.472	1.472	0	%100
5	M43	X	-2.55	-2.55	0	%100
6	M43	Z	1.472	1.472	0	%100
7	M46	X	-4.05	-4.05	0	%100
8	M46	Z	2.338	2.338	0	%100
9	M51B	X	-8.992	-8.992	0	%100
10	M51B	Z	5.192	5.192	0	%100
11	M52B	X	-2.038	-2.038	0	%100
12	M52B	Z	1.177	1.177	0	%100
13	M80	X	-17.377	-17.377	0	%100
14	M80	Z	10.033	10.033	0	%100
15	M91	X	-4.344	-4.344	0	%100
16	M91	Z	2.508	2.508	0	%100
17	M149A	X	-16.498	-16.498	0	%100
18	M149A	Z	9.525	9.525	0	%100
19	M148A	X	-4.125	-4.125	0	%100
20	M148A	Z	2.381	2.381	0	%100
21	M149C	X	-10.199	-10.199	0	%100
22	M149C	Z	5.888	5.888	0	%100
23	M150B	X	-10.199	-10.199	0	%100
24	M150B	Z	5.888	5.888	0	%100
25	M151A	X	-16.198	-16.198	0	%100
26	M151A	Z	9.352	9.352	0	%100
27	M159A	X	-4.344	-4.344	0	%100
28	M159A	Z	2.508	2.508	0	%100
29	M161A	X	-4.344	-4.344	0	%100
30	M161A	Z	2.508	2.508	0	%100
31	M166A	X	-4.125	-4.125	0	%100
32	M166A	Z	2.381	2.381	0	%100
33	M168A	X	-4.125	-4.125	0	%100
34	M168A	Z	2.381	2.381	0	%100
35	M171A	X	-2.55	-2.55	0	%100
36	M171A	Z	1.472	1.472	0	%100
37	M172A	X	-2.55	-2.55	0	%100
38	M172A	Z	1.472	1.472	0	%100
39	M173A	X	-4.05	-4.05	0	%100
40	M173A	Z	2.338	2.338	0	%100
41	M181A	X	-4.344	-4.344	0	%100
42	M181A	Z	2.508	2.508	0	%100
43	M183A	X	-17.377	-17.377	0	%100
44	M183A	Z	10.033	10.033	0	%100
45	M188A	X	-4.125	-4.125	0	%100
46	M188A	Z	2.381	2.381	0	%100
47	M190A	X	-16.498	-16.498	0	%100
48	M190A	Z	9.525	9.525	0	%100
49	M193A	X	-2.362	-2.362	0	%100
50	M193A	Z	1.364	1.364	0	%100
51	M193B	X	-9.449	-9.449	0	%100
52	M193B	Z	5.455	5.455	0	%100
53	M194A	X	-2.362	-2.362	0	%100
54	M194A	Z	1.364	1.364	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	-2.468	-2.468	0	%100
58	M179B	Z	1.425	1.425	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-2.468	-2.468	0	%100
60	M180B	Z	1.425	1.425	0	%100
61	M182B	X	-6.318	-6.318	0	%100
62	M182B	Z	3.648	3.648	0	%100
63	M183B	X	-2.038	-2.038	0	%100
64	M183B	Z	1.177	1.177	0	%100
65	M184B	X	-8.992	-8.992	0	%100
66	M184B	Z	5.192	5.192	0	%100
67	MP1A	X	-6.412	-6.412	0	%100
68	MP1A	Z	3.702	3.702	0	%100
69	MP2A	X	-6.412	-6.412	0	%100
70	MP2A	Z	3.702	3.702	0	%100
71	MP3A	X	-7.762	-7.762	0	%100
72	MP3A	Z	4.481	4.481	0	%100
73	MP4A	X	-6.412	-6.412	0	%100
74	MP4A	Z	3.702	3.702	0	%100
75	MP1C	X	-6.412	-6.412	0	%100
76	MP1C	Z	3.702	3.702	0	%100
77	MP2C	X	-6.412	-6.412	0	%100
78	MP2C	Z	3.702	3.702	0	%100
79	MP3C	X	-7.762	-7.762	0	%100
80	MP3C	Z	4.481	4.481	0	%100
81	MP4C	X	-6.412	-6.412	0	%100
82	MP4C	Z	3.702	3.702	0	%100
83	MP1B	X	-6.412	-6.412	0	%100
84	MP1B	Z	3.702	3.702	0	%100
85	MP2B	X	-6.412	-6.412	0	%100
86	MP2B	Z	3.702	3.702	0	%100
87	MP3B	X	-7.762	-7.762	0	%100
88	MP3B	Z	4.481	4.481	0	%100
89	MP4B	X	-6.412	-6.412	0	%100
90	MP4B	Z	3.702	3.702	0	%100
91	M86	X	-5.243	-5.243	0	%100
92	M86	Z	3.027	3.027	0	%100
93	M92A	X	-2.362	-2.362	0	%100
94	M92A	Z	1.364	1.364	0	%100
95	M93	X	-9.449	-9.449	0	%100
96	M93	Z	5.455	5.455	0	%100
97	M94	X	-2.362	-2.362	0	%100
98	M94	Z	1.364	1.364	0	%100
99	M113	X	-9.033	-9.033	0	%100
100	M113	Z	5.215	5.215	0	%100
101	M114	X	-2.258	-2.258	0	%100
102	M114	Z	1.304	1.304	0	%100
103	M115	X	-2.258	-2.258	0	%100
104	M115	Z	1.304	1.304	0	%100
105	M116	X	-13.701	-13.701	0	%100
106	M116	Z	7.91	7.91	0	%100
107	M117	X	-14.308	-14.308	0	%100
108	M117	Z	8.261	8.261	0	%100
109	M118	X	-13.701	-13.701	0	%100
110	M118	Z	7.91	7.91	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-9.727	-9.727	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-7.541	-7.541	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-7.541	-7.541	0	%100
12	M52B	Z	0	0	0	%100
13	M80	X	-15.049	-15.049	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	-15.049	-15.049	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	-14.288	-14.288	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	-14.288	-14.288	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	-8.832	-8.832	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	-8.832	-8.832	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	-14.028	-14.028	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	-15.049	-15.049	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	0	0	0	%100
31	M166A	X	-14.288	-14.288	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	0	0	0	%100
35	M171A	X	-8.832	-8.832	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	-8.832	-8.832	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	-14.028	-14.028	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	0	0	0	%100
43	M183A	X	-15.049	-15.049	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	0	0	0	%100
47	M190A	X	-14.288	-14.288	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	0	0	0	%100
51	M193B	X	-8.183	-8.183	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	-8.183	-8.183	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	-2.432	-2.432	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	-8.038	-8.038	0	%100
58	M179B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.008	-.008	0	%100
60	M180B	Z	0	0	0	%100
61	M182B	X	-2.432	-2.432	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	-.008	-.008	0	%100
64	M183B	Z	0	0	0	%100
65	M184B	X	-8.038	-8.038	0	%100
66	M184B	Z	0	0	0	%100
67	MP1A	X	-7.404	-7.404	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-7.404	-7.404	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-8.962	-8.962	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-7.404	-7.404	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1C	X	-7.404	-7.404	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	-7.404	-7.404	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	-8.962	-8.962	0	%100
80	MP3C	Z	0	0	0	%100
81	MP4C	X	-7.404	-7.404	0	%100
82	MP4C	Z	0	0	0	%100
83	MP1B	X	-7.404	-7.404	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-7.404	-7.404	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-8.962	-8.962	0	%100
88	MP3B	Z	0	0	0	%100
89	MP4B	X	-7.404	-7.404	0	%100
90	MP4B	Z	0	0	0	%100
91	M86	X	-6.054	-6.054	0	%100
92	M86	Z	0	0	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	0	0	0	%100
95	M93	X	-8.183	-8.183	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	-8.183	-8.183	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	-7.823	-7.823	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	-7.823	-7.823	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	0	0	0	%100
105	M116	X	-15.587	-15.587	0	%100
106	M116	Z	0	0	0	%100
107	M117	X	-16.288	-16.288	0	%100
108	M117	Z	0	0	0	%100
109	M118	X	-16.288	-16.288	0	%100
110	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-6.318	-6.318	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-3.648	-3.648	0	%100
3	M10	X	-2.55	-2.55	0	%100
4	M10	Z	-1.472	-1.472	0	%100
5	M43	X	-2.55	-2.55	0	%100
6	M43	Z	-1.472	-1.472	0	%100
7	M46	X	-4.05	-4.05	0	%100
8	M46	Z	-2.338	-2.338	0	%100
9	M51B	X	-2.038	-2.038	0	%100
10	M51B	Z	-1.177	-1.177	0	%100
11	M52B	X	-8.992	-8.992	0	%100
12	M52B	Z	-5.192	-5.192	0	%100
13	M80	X	-4.344	-4.344	0	%100
14	M80	Z	-2.508	-2.508	0	%100
15	M91	X	-17.377	-17.377	0	%100
16	M91	Z	-10.033	-10.033	0	%100
17	M149A	X	-4.125	-4.125	0	%100
18	M149A	Z	-2.381	-2.381	0	%100
19	M148A	X	-16.498	-16.498	0	%100
20	M148A	Z	-9.525	-9.525	0	%100
21	M149C	X	-2.55	-2.55	0	%100
22	M149C	Z	-1.472	-1.472	0	%100
23	M150B	X	-2.55	-2.55	0	%100
24	M150B	Z	-1.472	-1.472	0	%100
25	M151A	X	-4.05	-4.05	0	%100
26	M151A	Z	-2.338	-2.338	0	%100
27	M159A	X	-17.377	-17.377	0	%100
28	M159A	Z	-10.033	-10.033	0	%100
29	M161A	X	-4.344	-4.344	0	%100
30	M161A	Z	-2.508	-2.508	0	%100
31	M166A	X	-16.498	-16.498	0	%100
32	M166A	Z	-9.525	-9.525	0	%100
33	M168A	X	-4.125	-4.125	0	%100
34	M168A	Z	-2.381	-2.381	0	%100
35	M171A	X	-10.199	-10.199	0	%100
36	M171A	Z	-5.888	-5.888	0	%100
37	M172A	X	-10.199	-10.199	0	%100
38	M172A	Z	-5.888	-5.888	0	%100
39	M173A	X	-16.198	-16.198	0	%100
40	M173A	Z	-9.352	-9.352	0	%100
41	M181A	X	-4.344	-4.344	0	%100
42	M181A	Z	-2.508	-2.508	0	%100
43	M183A	X	-4.344	-4.344	0	%100
44	M183A	Z	-2.508	-2.508	0	%100
45	M188A	X	-4.125	-4.125	0	%100
46	M188A	Z	-2.381	-2.381	0	%100
47	M190A	X	-4.125	-4.125	0	%100
48	M190A	Z	-2.381	-2.381	0	%100
49	M193A	X	-2.362	-2.362	0	%100
50	M193A	Z	-1.364	-1.364	0	%100
51	M193B	X	-2.362	-2.362	0	%100
52	M193B	Z	-1.364	-1.364	0	%100
53	M194A	X	-9.449	-9.449	0	%100
54	M194A	Z	-5.455	-5.455	0	%100
55	M178A	X	-6.318	-6.318	0	%100
56	M178A	Z	-3.648	-3.648	0	%100
57	M179B	X	-8.992	-8.992	0	%100
58	M179B	Z	-5.192	-5.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-2.038	-2.038	0	%100
60	M180B	Z	-1.177	-1.177	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	-2.468	-2.468	0	%100
64	M183B	Z	-1.425	-1.425	0	%100
65	M184B	X	-2.468	-2.468	0	%100
66	M184B	Z	-1.425	-1.425	0	%100
67	MP1A	X	-6.412	-6.412	0	%100
68	MP1A	Z	-3.702	-3.702	0	%100
69	MP2A	X	-6.412	-6.412	0	%100
70	MP2A	Z	-3.702	-3.702	0	%100
71	MP3A	X	-7.762	-7.762	0	%100
72	MP3A	Z	-4.481	-4.481	0	%100
73	MP4A	X	-6.412	-6.412	0	%100
74	MP4A	Z	-3.702	-3.702	0	%100
75	MP1C	X	-6.412	-6.412	0	%100
76	MP1C	Z	-3.702	-3.702	0	%100
77	MP2C	X	-6.412	-6.412	0	%100
78	MP2C	Z	-3.702	-3.702	0	%100
79	MP3C	X	-7.762	-7.762	0	%100
80	MP3C	Z	-4.481	-4.481	0	%100
81	MP4C	X	-6.412	-6.412	0	%100
82	MP4C	Z	-3.702	-3.702	0	%100
83	MP1B	X	-6.412	-6.412	0	%100
84	MP1B	Z	-3.702	-3.702	0	%100
85	MP2B	X	-6.412	-6.412	0	%100
86	MP2B	Z	-3.702	-3.702	0	%100
87	MP3B	X	-7.762	-7.762	0	%100
88	MP3B	Z	-4.481	-4.481	0	%100
89	MP4B	X	-6.412	-6.412	0	%100
90	MP4B	Z	-3.702	-3.702	0	%100
91	M86	X	-5.243	-5.243	0	%100
92	M86	Z	-3.027	-3.027	0	%100
93	M92A	X	-2.362	-2.362	0	%100
94	M92A	Z	-1.364	-1.364	0	%100
95	M93	X	-2.362	-2.362	0	%100
96	M93	Z	-1.364	-1.364	0	%100
97	M94	X	-9.449	-9.449	0	%100
98	M94	Z	-5.455	-5.455	0	%100
99	M113	X	-2.258	-2.258	0	%100
100	M113	Z	-1.304	-1.304	0	%100
101	M114	X	-9.033	-9.033	0	%100
102	M114	Z	-5.215	-5.215	0	%100
103	M115	X	-2.258	-2.258	0	%100
104	M115	Z	-1.304	-1.304	0	%100
105	M116	X	-13.701	-13.701	0	%100
106	M116	Z	-7.91	-7.91	0	%100
107	M117	X	-13.701	-13.701	0	%100
108	M117	Z	-7.91	-7.91	0	%100
109	M118	X	-14.308	-14.308	0	%100
110	M118	Z	-8.261	-8.261	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-1.216	-1.216	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-2.106	-2.106	0	%100
3	M10	X	-4.416	-4.416	0	%100
4	M10	Z	-7.649	-7.649	0	%100
5	M43	X	-4.416	-4.416	0	%100
6	M43	Z	-7.649	-7.649	0	%100
7	M46	X	-7.014	-7.014	0	%100
8	M46	Z	-12.149	-12.149	0	%100
9	M51B	X	-.004	-.004	0	%100
10	M51B	Z	-.007	-.007	0	%100
11	M52B	X	-4.019	-4.019	0	%100
12	M52B	Z	-6.961	-6.961	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	-7.525	-7.525	0	%100
16	M91	Z	-13.033	-13.033	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	-7.144	-7.144	0	%100
20	M148A	Z	-12.374	-12.374	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	-7.525	-7.525	0	%100
28	M159A	Z	-13.033	-13.033	0	%100
29	M161A	X	-7.525	-7.525	0	%100
30	M161A	Z	-13.033	-13.033	0	%100
31	M166A	X	-7.144	-7.144	0	%100
32	M166A	Z	-12.374	-12.374	0	%100
33	M168A	X	-7.144	-7.144	0	%100
34	M168A	Z	-12.374	-12.374	0	%100
35	M171A	X	-4.416	-4.416	0	%100
36	M171A	Z	-7.649	-7.649	0	%100
37	M172A	X	-4.416	-4.416	0	%100
38	M172A	Z	-7.649	-7.649	0	%100
39	M173A	X	-7.014	-7.014	0	%100
40	M173A	Z	-12.149	-12.149	0	%100
41	M181A	X	-7.525	-7.525	0	%100
42	M181A	Z	-13.033	-13.033	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	-7.144	-7.144	0	%100
46	M188A	Z	-12.374	-12.374	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	-4.092	-4.092	0	%100
50	M193A	Z	-7.087	-7.087	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	-4.092	-4.092	0	%100
54	M194A	Z	-7.087	-7.087	0	%100
55	M178A	X	-4.864	-4.864	0	%100
56	M178A	Z	-8.424	-8.424	0	%100
57	M179B	X	-3.77	-3.77	0	%100
58	M179B	Z	-6.531	-6.531	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-3.77	-3.77	0	%100
60	M180B	Z	-6.531	-6.531	0	%100
61	M182B	X	-1.216	-1.216	0	%100
62	M182B	Z	-2.106	-2.106	0	%100
63	M183B	X	-4.019	-4.019	0	%100
64	M183B	Z	-6.961	-6.961	0	%100
65	M184B	X	-.004	-.004	0	%100
66	M184B	Z	-.007	-.007	0	%100
67	MP1A	X	-3.702	-3.702	0	%100
68	MP1A	Z	-6.412	-6.412	0	%100
69	MP2A	X	-3.702	-3.702	0	%100
70	MP2A	Z	-6.412	-6.412	0	%100
71	MP3A	X	-4.481	-4.481	0	%100
72	MP3A	Z	-7.762	-7.762	0	%100
73	MP4A	X	-3.702	-3.702	0	%100
74	MP4A	Z	-6.412	-6.412	0	%100
75	MP1C	X	-3.702	-3.702	0	%100
76	MP1C	Z	-6.412	-6.412	0	%100
77	MP2C	X	-3.702	-3.702	0	%100
78	MP2C	Z	-6.412	-6.412	0	%100
79	MP3C	X	-4.481	-4.481	0	%100
80	MP3C	Z	-7.762	-7.762	0	%100
81	MP4C	X	-3.702	-3.702	0	%100
82	MP4C	Z	-6.412	-6.412	0	%100
83	MP1B	X	-3.702	-3.702	0	%100
84	MP1B	Z	-6.412	-6.412	0	%100
85	MP2B	X	-3.702	-3.702	0	%100
86	MP2B	Z	-6.412	-6.412	0	%100
87	MP3B	X	-4.481	-4.481	0	%100
88	MP3B	Z	-7.762	-7.762	0	%100
89	MP4B	X	-3.702	-3.702	0	%100
90	MP4B	Z	-6.412	-6.412	0	%100
91	M86	X	-3.027	-3.027	0	%100
92	M86	Z	-5.243	-5.243	0	%100
93	M92A	X	-4.092	-4.092	0	%100
94	M92A	Z	-7.087	-7.087	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	-4.092	-4.092	0	%100
98	M94	Z	-7.087	-7.087	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	-3.911	-3.911	0	%100
102	M114	Z	-6.775	-6.775	0	%100
103	M115	X	-3.911	-3.911	0	%100
104	M115	Z	-6.775	-6.775	0	%100
105	M116	X	-8.144	-8.144	0	%100
106	M116	Z	-14.106	-14.106	0	%100
107	M117	X	-7.793	-7.793	0	%100
108	M117	Z	-13.499	-13.499	0	%100
109	M118	X	-8.144	-8.144	0	%100
110	M118	Z	-14.106	-14.106	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-3.673	-3.673	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-3.673	-3.673	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-4.78	-4.78	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-1.005	-1.005	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-1.005	-1.005	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	-1.25	-1.25	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	-1.25	-1.25	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	-1.201	-1.201	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	-1.201	-1.201	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	-.918	-.918	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	-.918	-.918	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	-1.195	-1.195	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	-1.25	-1.25	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	-5.002	-5.002	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	-1.201	-1.201	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	-4.806	-4.806	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	-.918	-.918	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	-.918	-.918	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	-1.195	-1.195	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	-5.002	-5.002	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	-1.25	-1.25	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	-4.806	-4.806	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	-1.201	-1.201	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	-4.127	-4.127	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	-1.032	-1.032	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	-1.032	-1.032	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	-2.759	-2.759	0	%100
57	M179B	X	0	0	0	%100
58	M179B	Z	-.829	-.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	0	0	0	%100
60	M180B	Z	-3.66	-3.66	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	-2.759	-2.759	0	%100
63	M183B	X	0	0	0	%100
64	M183B	Z	-3.66	-3.66	0	%100
65	M184B	X	0	0	0	%100
66	M184B	Z	-.829	-.829	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-3.294	-3.294	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-3.294	-3.294	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-3.589	-3.589	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-3.294	-3.294	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-3.294	-3.294	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	-3.294	-3.294	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	-3.589	-3.589	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-3.294	-3.294	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-3.294	-3.294	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-3.294	-3.294	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-3.589	-3.589	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	-3.294	-3.294	0	%100
91	M86	X	0	0	0	%100
92	M86	Z	-2.646	-2.646	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	-4.127	-4.127	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	-1.032	-1.032	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	-1.032	-1.032	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	-.816	-.816	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	-.816	-.816	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	-3.265	-3.265	0	%100
105	M116	X	0	0	0	%100
106	M116	Z	-4.357	-4.357	0	%100
107	M117	X	0	0	0	%100
108	M117	Z	-4.745	-4.745	0	%100
109	M118	X	0	0	0	%100
110	M118	Z	-4.745	-4.745	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.46	.46	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-.797	-.797	0	%100
3	M10	X	1.378	1.378	0	%100
4	M10	Z	-2.386	-2.386	0	%100
5	M43	X	1.378	1.378	0	%100
6	M43	Z	-2.386	-2.386	0	%100
7	M46	X	1.792	1.792	0	%100
8	M46	Z	-3.105	-3.105	0	%100
9	M51B	X	1.417	1.417	0	%100
10	M51B	Z	-2.454	-2.454	0	%100
11	M52B	X	.001	.001	0	%100
12	M52B	Z	-.002	-.002	0	%100
13	M80	X	1.876	1.876	0	%100
14	M80	Z	-3.249	-3.249	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	1.802	1.802	0	%100
18	M149A	Z	-3.121	-3.121	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	1.378	1.378	0	%100
22	M149C	Z	-2.386	-2.386	0	%100
23	M150B	X	1.378	1.378	0	%100
24	M150B	Z	-2.386	-2.386	0	%100
25	M151A	X	1.792	1.792	0	%100
26	M151A	Z	-3.105	-3.105	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	1.876	1.876	0	%100
30	M161A	Z	-3.249	-3.249	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	1.802	1.802	0	%100
34	M168A	Z	-3.121	-3.121	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	1.876	1.876	0	%100
42	M181A	Z	-3.249	-3.249	0	%100
43	M183A	X	1.876	1.876	0	%100
44	M183A	Z	-3.249	-3.249	0	%100
45	M188A	X	1.802	1.802	0	%100
46	M188A	Z	-3.121	-3.121	0	%100
47	M190A	X	1.802	1.802	0	%100
48	M190A	Z	-3.121	-3.121	0	%100
49	M193A	X	1.548	1.548	0	%100
50	M193A	Z	-2.681	-2.681	0	%100
51	M193B	X	1.548	1.548	0	%100
52	M193B	Z	-2.681	-2.681	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	.46	.46	0	%100
56	M178A	Z	-.797	-.797	0	%100
57	M179B	X	.001	.001	0	%100
58	M179B	Z	-.002	-.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	1.417	1.417	0	%100
60	M180B	Z	-2.454	-2.454	0	%100
61	M182B	X	1.839	1.839	0	%100
62	M182B	Z	-3.186	-3.186	0	%100
63	M183B	X	1.329	1.329	0	%100
64	M183B	Z	-2.302	-2.302	0	%100
65	M184B	X	1.329	1.329	0	%100
66	M184B	Z	-2.302	-2.302	0	%100
67	MP1A	X	1.647	1.647	0	%100
68	MP1A	Z	-2.853	-2.853	0	%100
69	MP2A	X	1.647	1.647	0	%100
70	MP2A	Z	-2.853	-2.853	0	%100
71	MP3A	X	1.794	1.794	0	%100
72	MP3A	Z	-3.108	-3.108	0	%100
73	MP4A	X	1.647	1.647	0	%100
74	MP4A	Z	-2.853	-2.853	0	%100
75	MP1C	X	1.647	1.647	0	%100
76	MP1C	Z	-2.853	-2.853	0	%100
77	MP2C	X	1.647	1.647	0	%100
78	MP2C	Z	-2.853	-2.853	0	%100
79	MP3C	X	1.794	1.794	0	%100
80	MP3C	Z	-3.108	-3.108	0	%100
81	MP4C	X	1.647	1.647	0	%100
82	MP4C	Z	-2.853	-2.853	0	%100
83	MP1B	X	1.647	1.647	0	%100
84	MP1B	Z	-2.853	-2.853	0	%100
85	MP2B	X	1.647	1.647	0	%100
86	MP2B	Z	-2.853	-2.853	0	%100
87	MP3B	X	1.794	1.794	0	%100
88	MP3B	Z	-3.108	-3.108	0	%100
89	MP4B	X	1.647	1.647	0	%100
90	MP4B	Z	-2.853	-2.853	0	%100
91	M86	X	1.323	1.323	0	%100
92	M86	Z	-2.292	-2.292	0	%100
93	M92A	X	1.548	1.548	0	%100
94	M92A	Z	-2.681	-2.681	0	%100
95	M93	X	1.548	1.548	0	%100
96	M93	Z	-2.681	-2.681	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	1.224	1.224	0	%100
100	M113	Z	-2.12	-2.12	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	1.224	1.224	0	%100
104	M115	Z	-2.12	-2.12	0	%100
105	M116	X	2.243	2.243	0	%100
106	M116	Z	-3.885	-3.885	0	%100
107	M117	X	2.243	2.243	0	%100
108	M117	Z	-3.885	-3.885	0	%100
109	M118	X	2.437	2.437	0	%100
110	M118	Z	-4.221	-4.221	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	2.39	2.39	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-1.38	-1.38	0	%100
3	M10	X	.795	.795	0	%100
4	M10	Z	-.459	-.459	0	%100
5	M43	X	.795	.795	0	%100
6	M43	Z	-.459	-.459	0	%100
7	M46	X	1.035	1.035	0	%100
8	M46	Z	-.597	-.597	0	%100
9	M51B	X	3.169	3.169	0	%100
10	M51B	Z	-1.83	-1.83	0	%100
11	M52B	X	.718	.718	0	%100
12	M52B	Z	-.415	-.415	0	%100
13	M80	X	4.332	4.332	0	%100
14	M80	Z	-2.501	-2.501	0	%100
15	M91	X	1.083	1.083	0	%100
16	M91	Z	-.625	-.625	0	%100
17	M149A	X	4.162	4.162	0	%100
18	M149A	Z	-2.403	-2.403	0	%100
19	M148A	X	1.04	1.04	0	%100
20	M148A	Z	-.601	-.601	0	%100
21	M149C	X	3.181	3.181	0	%100
22	M149C	Z	-1.837	-1.837	0	%100
23	M150B	X	3.181	3.181	0	%100
24	M150B	Z	-1.837	-1.837	0	%100
25	M151A	X	4.139	4.139	0	%100
26	M151A	Z	-2.39	-2.39	0	%100
27	M159A	X	1.083	1.083	0	%100
28	M159A	Z	-.625	-.625	0	%100
29	M161A	X	1.083	1.083	0	%100
30	M161A	Z	-.625	-.625	0	%100
31	M166A	X	1.04	1.04	0	%100
32	M166A	Z	-.601	-.601	0	%100
33	M168A	X	1.04	1.04	0	%100
34	M168A	Z	-.601	-.601	0	%100
35	M171A	X	.795	.795	0	%100
36	M171A	Z	-.459	-.459	0	%100
37	M172A	X	.795	.795	0	%100
38	M172A	Z	-.459	-.459	0	%100
39	M173A	X	1.035	1.035	0	%100
40	M173A	Z	-.597	-.597	0	%100
41	M181A	X	1.083	1.083	0	%100
42	M181A	Z	-.625	-.625	0	%100
43	M183A	X	4.332	4.332	0	%100
44	M183A	Z	-2.501	-2.501	0	%100
45	M188A	X	1.04	1.04	0	%100
46	M188A	Z	-.601	-.601	0	%100
47	M190A	X	4.162	4.162	0	%100
48	M190A	Z	-2.403	-2.403	0	%100
49	M193A	X	.894	.894	0	%100
50	M193A	Z	-.516	-.516	0	%100
51	M193B	X	3.575	3.575	0	%100
52	M193B	Z	-2.064	-2.064	0	%100
53	M194A	X	.894	.894	0	%100
54	M194A	Z	-.516	-.516	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	.87	.87	0	%100
58	M179B	Z	-.502	-.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.87	.87	0	%100
60	M180B	Z	-.502	-.502	0	%100
61	M182B	X	2.39	2.39	0	%100
62	M182B	Z	-1.38	-1.38	0	%100
63	M183B	X	.718	.718	0	%100
64	M183B	Z	-.415	-.415	0	%100
65	M184B	X	3.169	3.169	0	%100
66	M184B	Z	-1.83	-1.83	0	%100
67	MP1A	X	2.853	2.853	0	%100
68	MP1A	Z	-1.647	-1.647	0	%100
69	MP2A	X	2.853	2.853	0	%100
70	MP2A	Z	-1.647	-1.647	0	%100
71	MP3A	X	3.108	3.108	0	%100
72	MP3A	Z	-1.794	-1.794	0	%100
73	MP4A	X	2.853	2.853	0	%100
74	MP4A	Z	-1.647	-1.647	0	%100
75	MP1C	X	2.853	2.853	0	%100
76	MP1C	Z	-1.647	-1.647	0	%100
77	MP2C	X	2.853	2.853	0	%100
78	MP2C	Z	-1.647	-1.647	0	%100
79	MP3C	X	3.108	3.108	0	%100
80	MP3C	Z	-1.794	-1.794	0	%100
81	MP4C	X	2.853	2.853	0	%100
82	MP4C	Z	-1.647	-1.647	0	%100
83	MP1B	X	2.853	2.853	0	%100
84	MP1B	Z	-1.647	-1.647	0	%100
85	MP2B	X	2.853	2.853	0	%100
86	MP2B	Z	-1.647	-1.647	0	%100
87	MP3B	X	3.108	3.108	0	%100
88	MP3B	Z	-1.794	-1.794	0	%100
89	MP4B	X	2.853	2.853	0	%100
90	MP4B	Z	-1.647	-1.647	0	%100
91	M86	X	2.292	2.292	0	%100
92	M86	Z	-1.323	-1.323	0	%100
93	M92A	X	.894	.894	0	%100
94	M92A	Z	-.516	-.516	0	%100
95	M93	X	3.575	3.575	0	%100
96	M93	Z	-2.064	-2.064	0	%100
97	M94	X	.894	.894	0	%100
98	M94	Z	-.516	-.516	0	%100
99	M113	X	2.827	2.827	0	%100
100	M113	Z	-1.632	-1.632	0	%100
101	M114	X	.707	.707	0	%100
102	M114	Z	-.408	-.408	0	%100
103	M115	X	.707	.707	0	%100
104	M115	Z	-.408	-.408	0	%100
105	M116	X	4.109	4.109	0	%100
106	M116	Z	-2.372	-2.372	0	%100
107	M117	X	3.773	3.773	0	%100
108	M117	Z	-2.178	-2.178	0	%100
109	M118	X	4.109	4.109	0	%100
110	M118	Z	-2.372	-2.372	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	3.679	3.679	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	2.658	2.658	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	2.658	2.658	0	%100
12	M52B	Z	0	0	0	%100
13	M80	X	3.751	3.751	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	3.751	3.751	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	3.604	3.604	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	3.604	3.604	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	2.755	2.755	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	2.755	2.755	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	3.585	3.585	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	3.751	3.751	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	0	0	0	%100
31	M166A	X	3.604	3.604	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	0	0	0	%100
35	M171A	X	2.755	2.755	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	2.755	2.755	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	3.585	3.585	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	0	0	0	%100
43	M183A	X	3.751	3.751	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	0	0	0	%100
47	M190A	X	3.604	3.604	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	0	0	0	%100
51	M193B	X	3.096	3.096	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	3.096	3.096	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	.92	.92	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	2.833	2.833	0	%100
58	M179B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.003	.003	0	%100
60	M180B	Z	0	0	0	%100
61	M182B	X	.92	.92	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	.003	.003	0	%100
64	M183B	Z	0	0	0	%100
65	M184B	X	2.833	2.833	0	%100
66	M184B	Z	0	0	0	%100
67	MP1A	X	3.294	3.294	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	3.294	3.294	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	3.589	3.589	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	3.294	3.294	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1C	X	3.294	3.294	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	3.294	3.294	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	3.589	3.589	0	%100
80	MP3C	Z	0	0	0	%100
81	MP4C	X	3.294	3.294	0	%100
82	MP4C	Z	0	0	0	%100
83	MP1B	X	3.294	3.294	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	3.294	3.294	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	3.589	3.589	0	%100
88	MP3B	Z	0	0	0	%100
89	MP4B	X	3.294	3.294	0	%100
90	MP4B	Z	0	0	0	%100
91	M86	X	2.646	2.646	0	%100
92	M86	Z	0	0	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	0	0	0	%100
95	M93	X	3.096	3.096	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	3.096	3.096	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	2.448	2.448	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	2.448	2.448	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	0	0	0	%100
105	M116	X	4.874	4.874	0	%100
106	M116	Z	0	0	0	%100
107	M117	X	4.486	4.486	0	%100
108	M117	Z	0	0	0	%100
109	M118	X	4.486	4.486	0	%100
110	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	2.39	2.39	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	1.38	1.38	0	%100
3	M10	X	.795	.795	0	%100
4	M10	Z	.459	.459	0	%100
5	M43	X	.795	.795	0	%100
6	M43	Z	.459	.459	0	%100
7	M46	X	1.035	1.035	0	%100
8	M46	Z	.597	.597	0	%100
9	M51B	X	.718	.718	0	%100
10	M51B	Z	.415	.415	0	%100
11	M52B	X	3.169	3.169	0	%100
12	M52B	Z	1.83	1.83	0	%100
13	M80	X	1.083	1.083	0	%100
14	M80	Z	.625	.625	0	%100
15	M91	X	4.332	4.332	0	%100
16	M91	Z	2.501	2.501	0	%100
17	M149A	X	1.04	1.04	0	%100
18	M149A	Z	.601	.601	0	%100
19	M148A	X	4.162	4.162	0	%100
20	M148A	Z	2.403	2.403	0	%100
21	M149C	X	.795	.795	0	%100
22	M149C	Z	.459	.459	0	%100
23	M150B	X	.795	.795	0	%100
24	M150B	Z	.459	.459	0	%100
25	M151A	X	1.035	1.035	0	%100
26	M151A	Z	.597	.597	0	%100
27	M159A	X	4.332	4.332	0	%100
28	M159A	Z	2.501	2.501	0	%100
29	M161A	X	1.083	1.083	0	%100
30	M161A	Z	.625	.625	0	%100
31	M166A	X	4.162	4.162	0	%100
32	M166A	Z	2.403	2.403	0	%100
33	M168A	X	1.04	1.04	0	%100
34	M168A	Z	.601	.601	0	%100
35	M171A	X	3.181	3.181	0	%100
36	M171A	Z	1.837	1.837	0	%100
37	M172A	X	3.181	3.181	0	%100
38	M172A	Z	1.837	1.837	0	%100
39	M173A	X	4.139	4.139	0	%100
40	M173A	Z	2.39	2.39	0	%100
41	M181A	X	1.083	1.083	0	%100
42	M181A	Z	.625	.625	0	%100
43	M183A	X	1.083	1.083	0	%100
44	M183A	Z	.625	.625	0	%100
45	M188A	X	1.04	1.04	0	%100
46	M188A	Z	.601	.601	0	%100
47	M190A	X	1.04	1.04	0	%100
48	M190A	Z	.601	.601	0	%100
49	M193A	X	.894	.894	0	%100
50	M193A	Z	.516	.516	0	%100
51	M193B	X	.894	.894	0	%100
52	M193B	Z	.516	.516	0	%100
53	M194A	X	3.575	3.575	0	%100
54	M194A	Z	2.064	2.064	0	%100
55	M178A	X	2.39	2.39	0	%100
56	M178A	Z	1.38	1.38	0	%100
57	M179B	X	3.169	3.169	0	%100
58	M179B	Z	1.83	1.83	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.718	.718	0	%100
60	M180B	Z	.415	.415	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	.87	.87	0	%100
64	M183B	Z	.502	.502	0	%100
65	M184B	X	.87	.87	0	%100
66	M184B	Z	.502	.502	0	%100
67	MP1A	X	2.853	2.853	0	%100
68	MP1A	Z	1.647	1.647	0	%100
69	MP2A	X	2.853	2.853	0	%100
70	MP2A	Z	1.647	1.647	0	%100
71	MP3A	X	3.108	3.108	0	%100
72	MP3A	Z	1.794	1.794	0	%100
73	MP4A	X	2.853	2.853	0	%100
74	MP4A	Z	1.647	1.647	0	%100
75	MP1C	X	2.853	2.853	0	%100
76	MP1C	Z	1.647	1.647	0	%100
77	MP2C	X	2.853	2.853	0	%100
78	MP2C	Z	1.647	1.647	0	%100
79	MP3C	X	3.108	3.108	0	%100
80	MP3C	Z	1.794	1.794	0	%100
81	MP4C	X	2.853	2.853	0	%100
82	MP4C	Z	1.647	1.647	0	%100
83	MP1B	X	2.853	2.853	0	%100
84	MP1B	Z	1.647	1.647	0	%100
85	MP2B	X	2.853	2.853	0	%100
86	MP2B	Z	1.647	1.647	0	%100
87	MP3B	X	3.108	3.108	0	%100
88	MP3B	Z	1.794	1.794	0	%100
89	MP4B	X	2.853	2.853	0	%100
90	MP4B	Z	1.647	1.647	0	%100
91	M86	X	2.292	2.292	0	%100
92	M86	Z	1.323	1.323	0	%100
93	M92A	X	.894	.894	0	%100
94	M92A	Z	.516	.516	0	%100
95	M93	X	.894	.894	0	%100
96	M93	Z	.516	.516	0	%100
97	M94	X	3.575	3.575	0	%100
98	M94	Z	2.064	2.064	0	%100
99	M113	X	.707	.707	0	%100
100	M113	Z	.408	.408	0	%100
101	M114	X	2.827	2.827	0	%100
102	M114	Z	1.632	1.632	0	%100
103	M115	X	.707	.707	0	%100
104	M115	Z	.408	.408	0	%100
105	M116	X	4.109	4.109	0	%100
106	M116	Z	2.372	2.372	0	%100
107	M117	X	4.109	4.109	0	%100
108	M117	Z	2.372	2.372	0	%100
109	M118	X	3.773	3.773	0	%100
110	M118	Z	2.178	2.178	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.46	.46	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	.797	.797	0	%100
3	M10	X	1.378	1.378	0	%100
4	M10	Z	2.386	2.386	0	%100
5	M43	X	1.378	1.378	0	%100
6	M43	Z	2.386	2.386	0	%100
7	M46	X	1.792	1.792	0	%100
8	M46	Z	3.105	3.105	0	%100
9	M51B	X	.001	.001	0	%100
10	M51B	Z	.002	.002	0	%100
11	M52B	X	1.417	1.417	0	%100
12	M52B	Z	2.454	2.454	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	1.876	1.876	0	%100
16	M91	Z	3.249	3.249	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	1.802	1.802	0	%100
20	M148A	Z	3.121	3.121	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	1.876	1.876	0	%100
28	M159A	Z	3.249	3.249	0	%100
29	M161A	X	1.876	1.876	0	%100
30	M161A	Z	3.249	3.249	0	%100
31	M166A	X	1.802	1.802	0	%100
32	M166A	Z	3.121	3.121	0	%100
33	M168A	X	1.802	1.802	0	%100
34	M168A	Z	3.121	3.121	0	%100
35	M171A	X	1.378	1.378	0	%100
36	M171A	Z	2.386	2.386	0	%100
37	M172A	X	1.378	1.378	0	%100
38	M172A	Z	2.386	2.386	0	%100
39	M173A	X	1.792	1.792	0	%100
40	M173A	Z	3.105	3.105	0	%100
41	M181A	X	1.876	1.876	0	%100
42	M181A	Z	3.249	3.249	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	1.802	1.802	0	%100
46	M188A	Z	3.121	3.121	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	1.548	1.548	0	%100
50	M193A	Z	2.681	2.681	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	1.548	1.548	0	%100
54	M194A	Z	2.681	2.681	0	%100
55	M178A	X	1.839	1.839	0	%100
56	M178A	Z	3.186	3.186	0	%100
57	M179B	X	1.329	1.329	0	%100
58	M179B	Z	2.302	2.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	1.329	1.329	0	%100
60	M180B	Z	2.302	2.302	0	%100
61	M182B	X	.46	.46	0	%100
62	M182B	Z	.797	.797	0	%100
63	M183B	X	1.417	1.417	0	%100
64	M183B	Z	2.454	2.454	0	%100
65	M184B	X	.001	.001	0	%100
66	M184B	Z	.002	.002	0	%100
67	MP1A	X	1.647	1.647	0	%100
68	MP1A	Z	2.853	2.853	0	%100
69	MP2A	X	1.647	1.647	0	%100
70	MP2A	Z	2.853	2.853	0	%100
71	MP3A	X	1.794	1.794	0	%100
72	MP3A	Z	3.108	3.108	0	%100
73	MP4A	X	1.647	1.647	0	%100
74	MP4A	Z	2.853	2.853	0	%100
75	MP1C	X	1.647	1.647	0	%100
76	MP1C	Z	2.853	2.853	0	%100
77	MP2C	X	1.647	1.647	0	%100
78	MP2C	Z	2.853	2.853	0	%100
79	MP3C	X	1.794	1.794	0	%100
80	MP3C	Z	3.108	3.108	0	%100
81	MP4C	X	1.647	1.647	0	%100
82	MP4C	Z	2.853	2.853	0	%100
83	MP1B	X	1.647	1.647	0	%100
84	MP1B	Z	2.853	2.853	0	%100
85	MP2B	X	1.647	1.647	0	%100
86	MP2B	Z	2.853	2.853	0	%100
87	MP3B	X	1.794	1.794	0	%100
88	MP3B	Z	3.108	3.108	0	%100
89	MP4B	X	1.647	1.647	0	%100
90	MP4B	Z	2.853	2.853	0	%100
91	M86	X	1.323	1.323	0	%100
92	M86	Z	2.292	2.292	0	%100
93	M92A	X	1.548	1.548	0	%100
94	M92A	Z	2.681	2.681	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	1.548	1.548	0	%100
98	M94	Z	2.681	2.681	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	1.224	1.224	0	%100
102	M114	Z	2.12	2.12	0	%100
103	M115	X	1.224	1.224	0	%100
104	M115	Z	2.12	2.12	0	%100
105	M116	X	2.243	2.243	0	%100
106	M116	Z	3.885	3.885	0	%100
107	M117	X	2.437	2.437	0	%100
108	M117	Z	4.221	4.221	0	%100
109	M118	X	2.243	2.243	0	%100
110	M118	Z	3.885	3.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	3.673	3.673	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	3.673	3.673	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	4.78	4.78	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	1.005	1.005	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	1.005	1.005	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	1.25	1.25	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	1.25	1.25	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	1.201	1.201	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	1.201	1.201	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	.918	.918	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	.918	.918	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	1.195	1.195	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	1.25	1.25	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	5.002	5.002	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	1.201	1.201	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	4.806	4.806	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	.918	.918	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	.918	.918	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	1.195	1.195	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	5.002	5.002	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	1.25	1.25	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	4.806	4.806	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	1.201	1.201	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	4.127	4.127	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	1.032	1.032	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	1.032	1.032	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	2.759	2.759	0	%100
57	M179B	X	0	0	0	%100
58	M179B	Z	.829	.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	0	0	0	%100
60	M180B	Z	3.66	3.66	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	2.759	2.759	0	%100
63	M183B	X	0	0	0	%100
64	M183B	Z	3.66	3.66	0	%100
65	M184B	X	0	0	0	%100
66	M184B	Z	.829	.829	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	3.294	3.294	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	3.294	3.294	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	3.589	3.589	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	3.294	3.294	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	3.294	3.294	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	3.294	3.294	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	3.589	3.589	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	3.294	3.294	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	3.294	3.294	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	3.294	3.294	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	3.589	3.589	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	3.294	3.294	0	%100
91	M86	X	0	0	0	%100
92	M86	Z	2.646	2.646	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	4.127	4.127	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	1.032	1.032	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	1.032	1.032	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	.816	.816	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	.816	.816	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	3.265	3.265	0	%100
105	M116	X	0	0	0	%100
106	M116	Z	4.357	4.357	0	%100
107	M117	X	0	0	0	%100
108	M117	Z	4.745	4.745	0	%100
109	M118	X	0	0	0	%100
110	M118	Z	4.745	4.745	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.46	-.46	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	.797	.797	0	%100
3	M10	X	-1.378	-1.378	0	%100
4	M10	Z	2.386	2.386	0	%100
5	M43	X	-1.378	-1.378	0	%100
6	M43	Z	2.386	2.386	0	%100
7	M46	X	-1.792	-1.792	0	%100
8	M46	Z	3.105	3.105	0	%100
9	M51B	X	-1.417	-1.417	0	%100
10	M51B	Z	2.454	2.454	0	%100
11	M52B	X	-.001	-.001	0	%100
12	M52B	Z	.002	.002	0	%100
13	M80	X	-1.876	-1.876	0	%100
14	M80	Z	3.249	3.249	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	-1.802	-1.802	0	%100
18	M149A	Z	3.121	3.121	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	-1.378	-1.378	0	%100
22	M149C	Z	2.386	2.386	0	%100
23	M150B	X	-1.378	-1.378	0	%100
24	M150B	Z	2.386	2.386	0	%100
25	M151A	X	-1.792	-1.792	0	%100
26	M151A	Z	3.105	3.105	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	-1.876	-1.876	0	%100
30	M161A	Z	3.249	3.249	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	-1.802	-1.802	0	%100
34	M168A	Z	3.121	3.121	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	-1.876	-1.876	0	%100
42	M181A	Z	3.249	3.249	0	%100
43	M183A	X	-1.876	-1.876	0	%100
44	M183A	Z	3.249	3.249	0	%100
45	M188A	X	-1.802	-1.802	0	%100
46	M188A	Z	3.121	3.121	0	%100
47	M190A	X	-1.802	-1.802	0	%100
48	M190A	Z	3.121	3.121	0	%100
49	M193A	X	-1.548	-1.548	0	%100
50	M193A	Z	2.681	2.681	0	%100
51	M193B	X	-1.548	-1.548	0	%100
52	M193B	Z	2.681	2.681	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	-.46	-.46	0	%100
56	M178A	Z	.797	.797	0	%100
57	M179B	X	-.001	-.001	0	%100
58	M179B	Z	.002	.002	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-1.417	-1.417	0	%100
60	M180B	Z	2.454	2.454	0	%100
61	M182B	X	-1.839	-1.839	0	%100
62	M182B	Z	3.186	3.186	0	%100
63	M183B	X	-1.329	-1.329	0	%100
64	M183B	Z	2.302	2.302	0	%100
65	M184B	X	-1.329	-1.329	0	%100
66	M184B	Z	2.302	2.302	0	%100
67	MP1A	X	-1.647	-1.647	0	%100
68	MP1A	Z	2.853	2.853	0	%100
69	MP2A	X	-1.647	-1.647	0	%100
70	MP2A	Z	2.853	2.853	0	%100
71	MP3A	X	-1.794	-1.794	0	%100
72	MP3A	Z	3.108	3.108	0	%100
73	MP4A	X	-1.647	-1.647	0	%100
74	MP4A	Z	2.853	2.853	0	%100
75	MP1C	X	-1.647	-1.647	0	%100
76	MP1C	Z	2.853	2.853	0	%100
77	MP2C	X	-1.647	-1.647	0	%100
78	MP2C	Z	2.853	2.853	0	%100
79	MP3C	X	-1.794	-1.794	0	%100
80	MP3C	Z	3.108	3.108	0	%100
81	MP4C	X	-1.647	-1.647	0	%100
82	MP4C	Z	2.853	2.853	0	%100
83	MP1B	X	-1.647	-1.647	0	%100
84	MP1B	Z	2.853	2.853	0	%100
85	MP2B	X	-1.647	-1.647	0	%100
86	MP2B	Z	2.853	2.853	0	%100
87	MP3B	X	-1.794	-1.794	0	%100
88	MP3B	Z	3.108	3.108	0	%100
89	MP4B	X	-1.647	-1.647	0	%100
90	MP4B	Z	2.853	2.853	0	%100
91	M86	X	-1.323	-1.323	0	%100
92	M86	Z	2.292	2.292	0	%100
93	M92A	X	-1.548	-1.548	0	%100
94	M92A	Z	2.681	2.681	0	%100
95	M93	X	-1.548	-1.548	0	%100
96	M93	Z	2.681	2.681	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	-1.224	-1.224	0	%100
100	M113	Z	2.12	2.12	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	-1.224	-1.224	0	%100
104	M115	Z	2.12	2.12	0	%100
105	M116	X	-2.243	-2.243	0	%100
106	M116	Z	3.885	3.885	0	%100
107	M117	X	-2.243	-2.243	0	%100
108	M117	Z	3.885	3.885	0	%100
109	M118	X	-2.437	-2.437	0	%100
110	M118	Z	4.221	4.221	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-2.39	-2.39	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	1.38	1.38	0	%100
3	M10	X	-.795	-.795	0	%100
4	M10	Z	.459	.459	0	%100
5	M43	X	-.795	-.795	0	%100
6	M43	Z	.459	.459	0	%100
7	M46	X	-1.035	-1.035	0	%100
8	M46	Z	.597	.597	0	%100
9	M51B	X	-3.169	-3.169	0	%100
10	M51B	Z	1.83	1.83	0	%100
11	M52B	X	-.718	-.718	0	%100
12	M52B	Z	.415	.415	0	%100
13	M80	X	-4.332	-4.332	0	%100
14	M80	Z	2.501	2.501	0	%100
15	M91	X	-1.083	-1.083	0	%100
16	M91	Z	.625	.625	0	%100
17	M149A	X	-4.162	-4.162	0	%100
18	M149A	Z	2.403	2.403	0	%100
19	M148A	X	-1.04	-1.04	0	%100
20	M148A	Z	.601	.601	0	%100
21	M149C	X	-3.181	-3.181	0	%100
22	M149C	Z	1.837	1.837	0	%100
23	M150B	X	-3.181	-3.181	0	%100
24	M150B	Z	1.837	1.837	0	%100
25	M151A	X	-4.139	-4.139	0	%100
26	M151A	Z	2.39	2.39	0	%100
27	M159A	X	-1.083	-1.083	0	%100
28	M159A	Z	.625	.625	0	%100
29	M161A	X	-1.083	-1.083	0	%100
30	M161A	Z	.625	.625	0	%100
31	M166A	X	-1.04	-1.04	0	%100
32	M166A	Z	.601	.601	0	%100
33	M168A	X	-1.04	-1.04	0	%100
34	M168A	Z	.601	.601	0	%100
35	M171A	X	-.795	-.795	0	%100
36	M171A	Z	.459	.459	0	%100
37	M172A	X	-.795	-.795	0	%100
38	M172A	Z	.459	.459	0	%100
39	M173A	X	-1.035	-1.035	0	%100
40	M173A	Z	.597	.597	0	%100
41	M181A	X	-1.083	-1.083	0	%100
42	M181A	Z	.625	.625	0	%100
43	M183A	X	-4.332	-4.332	0	%100
44	M183A	Z	2.501	2.501	0	%100
45	M188A	X	-1.04	-1.04	0	%100
46	M188A	Z	.601	.601	0	%100
47	M190A	X	-4.162	-4.162	0	%100
48	M190A	Z	2.403	2.403	0	%100
49	M193A	X	-.894	-.894	0	%100
50	M193A	Z	.516	.516	0	%100
51	M193B	X	-3.575	-3.575	0	%100
52	M193B	Z	2.064	2.064	0	%100
53	M194A	X	-.894	-.894	0	%100
54	M194A	Z	.516	.516	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	-.87	-.87	0	%100
58	M179B	Z	.502	.502	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.87	-.87	0	%100
60	M180B	Z	.502	.502	0	%100
61	M182B	X	-2.39	-2.39	0	%100
62	M182B	Z	1.38	1.38	0	%100
63	M183B	X	-.718	-.718	0	%100
64	M183B	Z	.415	.415	0	%100
65	M184B	X	-3.169	-3.169	0	%100
66	M184B	Z	1.83	1.83	0	%100
67	MP1A	X	-2.853	-2.853	0	%100
68	MP1A	Z	1.647	1.647	0	%100
69	MP2A	X	-2.853	-2.853	0	%100
70	MP2A	Z	1.647	1.647	0	%100
71	MP3A	X	-3.108	-3.108	0	%100
72	MP3A	Z	1.794	1.794	0	%100
73	MP4A	X	-2.853	-2.853	0	%100
74	MP4A	Z	1.647	1.647	0	%100
75	MP1C	X	-2.853	-2.853	0	%100
76	MP1C	Z	1.647	1.647	0	%100
77	MP2C	X	-2.853	-2.853	0	%100
78	MP2C	Z	1.647	1.647	0	%100
79	MP3C	X	-3.108	-3.108	0	%100
80	MP3C	Z	1.794	1.794	0	%100
81	MP4C	X	-2.853	-2.853	0	%100
82	MP4C	Z	1.647	1.647	0	%100
83	MP1B	X	-2.853	-2.853	0	%100
84	MP1B	Z	1.647	1.647	0	%100
85	MP2B	X	-2.853	-2.853	0	%100
86	MP2B	Z	1.647	1.647	0	%100
87	MP3B	X	-3.108	-3.108	0	%100
88	MP3B	Z	1.794	1.794	0	%100
89	MP4B	X	-2.853	-2.853	0	%100
90	MP4B	Z	1.647	1.647	0	%100
91	M86	X	-2.292	-2.292	0	%100
92	M86	Z	1.323	1.323	0	%100
93	M92A	X	-.894	-.894	0	%100
94	M92A	Z	.516	.516	0	%100
95	M93	X	-3.575	-3.575	0	%100
96	M93	Z	2.064	2.064	0	%100
97	M94	X	-.894	-.894	0	%100
98	M94	Z	.516	.516	0	%100
99	M113	X	-2.827	-2.827	0	%100
100	M113	Z	1.632	1.632	0	%100
101	M114	X	-.707	-.707	0	%100
102	M114	Z	.408	.408	0	%100
103	M115	X	-.707	-.707	0	%100
104	M115	Z	.408	.408	0	%100
105	M116	X	-4.109	-4.109	0	%100
106	M116	Z	2.372	2.372	0	%100
107	M117	X	-3.773	-3.773	0	%100
108	M117	Z	2.178	2.178	0	%100
109	M118	X	-4.109	-4.109	0	%100
110	M118	Z	2.372	2.372	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-3.679	-3.679	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-2.658	-2.658	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-2.658	-2.658	0	%100
12	M52B	Z	0	0	0	%100
13	M80	X	-3.751	-3.751	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	-3.751	-3.751	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	-3.604	-3.604	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	-3.604	-3.604	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	-2.755	-2.755	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	-2.755	-2.755	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	-3.585	-3.585	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	-3.751	-3.751	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	0	0	0	%100
31	M166A	X	-3.604	-3.604	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	0	0	0	%100
35	M171A	X	-2.755	-2.755	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	-2.755	-2.755	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	-3.585	-3.585	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	0	0	0	%100
43	M183A	X	-3.751	-3.751	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	0	0	0	%100
47	M190A	X	-3.604	-3.604	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	0	0	0	%100
51	M193B	X	-3.096	-3.096	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	-3.096	-3.096	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	-.92	-.92	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	-2.833	-2.833	0	%100
58	M179B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.003	-.003	0	%100
60	M180B	Z	0	0	0	%100
61	M182B	X	-.92	-.92	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	-.003	-.003	0	%100
64	M183B	Z	0	0	0	%100
65	M184B	X	-2.833	-2.833	0	%100
66	M184B	Z	0	0	0	%100
67	MP1A	X	-3.294	-3.294	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-3.294	-3.294	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-3.589	-3.589	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-3.294	-3.294	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1C	X	-3.294	-3.294	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	-3.294	-3.294	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	-3.589	-3.589	0	%100
80	MP3C	Z	0	0	0	%100
81	MP4C	X	-3.294	-3.294	0	%100
82	MP4C	Z	0	0	0	%100
83	MP1B	X	-3.294	-3.294	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-3.294	-3.294	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-3.589	-3.589	0	%100
88	MP3B	Z	0	0	0	%100
89	MP4B	X	-3.294	-3.294	0	%100
90	MP4B	Z	0	0	0	%100
91	M86	X	-2.646	-2.646	0	%100
92	M86	Z	0	0	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	0	0	0	%100
95	M93	X	-3.096	-3.096	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	-3.096	-3.096	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	-2.448	-2.448	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	-2.448	-2.448	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	0	0	0	%100
105	M116	X	-4.874	-4.874	0	%100
106	M116	Z	0	0	0	%100
107	M117	X	-4.486	-4.486	0	%100
108	M117	Z	0	0	0	%100
109	M118	X	-4.486	-4.486	0	%100
110	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-2.39	-2.39	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-1.38	-1.38	0	%100
3	M10	X	-.795	-.795	0	%100
4	M10	Z	-.459	-.459	0	%100
5	M43	X	-.795	-.795	0	%100
6	M43	Z	-.459	-.459	0	%100
7	M46	X	-1.035	-1.035	0	%100
8	M46	Z	-.597	-.597	0	%100
9	M51B	X	-.718	-.718	0	%100
10	M51B	Z	-.415	-.415	0	%100
11	M52B	X	-3.169	-3.169	0	%100
12	M52B	Z	-1.83	-1.83	0	%100
13	M80	X	-1.083	-1.083	0	%100
14	M80	Z	-.625	-.625	0	%100
15	M91	X	-4.332	-4.332	0	%100
16	M91	Z	-2.501	-2.501	0	%100
17	M149A	X	-1.04	-1.04	0	%100
18	M149A	Z	-.601	-.601	0	%100
19	M148A	X	-4.162	-4.162	0	%100
20	M148A	Z	-2.403	-2.403	0	%100
21	M149C	X	-.795	-.795	0	%100
22	M149C	Z	-.459	-.459	0	%100
23	M150B	X	-.795	-.795	0	%100
24	M150B	Z	-.459	-.459	0	%100
25	M151A	X	-1.035	-1.035	0	%100
26	M151A	Z	-.597	-.597	0	%100
27	M159A	X	-4.332	-4.332	0	%100
28	M159A	Z	-2.501	-2.501	0	%100
29	M161A	X	-1.083	-1.083	0	%100
30	M161A	Z	-.625	-.625	0	%100
31	M166A	X	-4.162	-4.162	0	%100
32	M166A	Z	-2.403	-2.403	0	%100
33	M168A	X	-1.04	-1.04	0	%100
34	M168A	Z	-.601	-.601	0	%100
35	M171A	X	-3.181	-3.181	0	%100
36	M171A	Z	-1.837	-1.837	0	%100
37	M172A	X	-3.181	-3.181	0	%100
38	M172A	Z	-1.837	-1.837	0	%100
39	M173A	X	-4.139	-4.139	0	%100
40	M173A	Z	-2.39	-2.39	0	%100
41	M181A	X	-1.083	-1.083	0	%100
42	M181A	Z	-.625	-.625	0	%100
43	M183A	X	-1.083	-1.083	0	%100
44	M183A	Z	-.625	-.625	0	%100
45	M188A	X	-1.04	-1.04	0	%100
46	M188A	Z	-.601	-.601	0	%100
47	M190A	X	-1.04	-1.04	0	%100
48	M190A	Z	-.601	-.601	0	%100
49	M193A	X	-.894	-.894	0	%100
50	M193A	Z	-.516	-.516	0	%100
51	M193B	X	-.894	-.894	0	%100
52	M193B	Z	-.516	-.516	0	%100
53	M194A	X	-3.575	-3.575	0	%100
54	M194A	Z	-2.064	-2.064	0	%100
55	M178A	X	-2.39	-2.39	0	%100
56	M178A	Z	-1.38	-1.38	0	%100
57	M179B	X	-3.169	-3.169	0	%100
58	M179B	Z	-1.83	-1.83	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.718	-.718	0	%100
60	M180B	Z	-.415	-.415	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	-.87	-.87	0	%100
64	M183B	Z	-.502	-.502	0	%100
65	M184B	X	-.87	-.87	0	%100
66	M184B	Z	-.502	-.502	0	%100
67	MP1A	X	-2.853	-2.853	0	%100
68	MP1A	Z	-1.647	-1.647	0	%100
69	MP2A	X	-2.853	-2.853	0	%100
70	MP2A	Z	-1.647	-1.647	0	%100
71	MP3A	X	-3.108	-3.108	0	%100
72	MP3A	Z	-1.794	-1.794	0	%100
73	MP4A	X	-2.853	-2.853	0	%100
74	MP4A	Z	-1.647	-1.647	0	%100
75	MP1C	X	-2.853	-2.853	0	%100
76	MP1C	Z	-1.647	-1.647	0	%100
77	MP2C	X	-2.853	-2.853	0	%100
78	MP2C	Z	-1.647	-1.647	0	%100
79	MP3C	X	-3.108	-3.108	0	%100
80	MP3C	Z	-1.794	-1.794	0	%100
81	MP4C	X	-2.853	-2.853	0	%100
82	MP4C	Z	-1.647	-1.647	0	%100
83	MP1B	X	-2.853	-2.853	0	%100
84	MP1B	Z	-1.647	-1.647	0	%100
85	MP2B	X	-2.853	-2.853	0	%100
86	MP2B	Z	-1.647	-1.647	0	%100
87	MP3B	X	-3.108	-3.108	0	%100
88	MP3B	Z	-1.794	-1.794	0	%100
89	MP4B	X	-2.853	-2.853	0	%100
90	MP4B	Z	-1.647	-1.647	0	%100
91	M86	X	-2.292	-2.292	0	%100
92	M86	Z	-1.323	-1.323	0	%100
93	M92A	X	-.894	-.894	0	%100
94	M92A	Z	-.516	-.516	0	%100
95	M93	X	-.894	-.894	0	%100
96	M93	Z	-.516	-.516	0	%100
97	M94	X	-3.575	-3.575	0	%100
98	M94	Z	-2.064	-2.064	0	%100
99	M113	X	-.707	-.707	0	%100
100	M113	Z	-.408	-.408	0	%100
101	M114	X	-2.827	-2.827	0	%100
102	M114	Z	-1.632	-1.632	0	%100
103	M115	X	-.707	-.707	0	%100
104	M115	Z	-.408	-.408	0	%100
105	M116	X	-4.109	-4.109	0	%100
106	M116	Z	-2.372	-2.372	0	%100
107	M117	X	-4.109	-4.109	0	%100
108	M117	Z	-2.372	-2.372	0	%100
109	M118	X	-3.773	-3.773	0	%100
110	M118	Z	-2.178	-2.178	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.46	-.46	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-.797	-.797	0	%100
3	M10	X	-1.378	-1.378	0	%100
4	M10	Z	-2.386	-2.386	0	%100
5	M43	X	-1.378	-1.378	0	%100
6	M43	Z	-2.386	-2.386	0	%100
7	M46	X	-1.792	-1.792	0	%100
8	M46	Z	-3.105	-3.105	0	%100
9	M51B	X	-.001	-.001	0	%100
10	M51B	Z	-.002	-.002	0	%100
11	M52B	X	-1.417	-1.417	0	%100
12	M52B	Z	-2.454	-2.454	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	-1.876	-1.876	0	%100
16	M91	Z	-3.249	-3.249	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	-1.802	-1.802	0	%100
20	M148A	Z	-3.121	-3.121	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	-1.876	-1.876	0	%100
28	M159A	Z	-3.249	-3.249	0	%100
29	M161A	X	-1.876	-1.876	0	%100
30	M161A	Z	-3.249	-3.249	0	%100
31	M166A	X	-1.802	-1.802	0	%100
32	M166A	Z	-3.121	-3.121	0	%100
33	M168A	X	-1.802	-1.802	0	%100
34	M168A	Z	-3.121	-3.121	0	%100
35	M171A	X	-1.378	-1.378	0	%100
36	M171A	Z	-2.386	-2.386	0	%100
37	M172A	X	-1.378	-1.378	0	%100
38	M172A	Z	-2.386	-2.386	0	%100
39	M173A	X	-1.792	-1.792	0	%100
40	M173A	Z	-3.105	-3.105	0	%100
41	M181A	X	-1.876	-1.876	0	%100
42	M181A	Z	-3.249	-3.249	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	-1.802	-1.802	0	%100
46	M188A	Z	-3.121	-3.121	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	-1.548	-1.548	0	%100
50	M193A	Z	-2.681	-2.681	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	-1.548	-1.548	0	%100
54	M194A	Z	-2.681	-2.681	0	%100
55	M178A	X	-1.839	-1.839	0	%100
56	M178A	Z	-3.186	-3.186	0	%100
57	M179B	X	-1.329	-1.329	0	%100
58	M179B	Z	-2.302	-2.302	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-1.329	-1.329	0	%100
60	M180B	Z	-2.302	-2.302	0	%100
61	M182B	X	-.46	-.46	0	%100
62	M182B	Z	-.797	-.797	0	%100
63	M183B	X	-1.417	-1.417	0	%100
64	M183B	Z	-2.454	-2.454	0	%100
65	M184B	X	-.001	-.001	0	%100
66	M184B	Z	-.002	-.002	0	%100
67	MP1A	X	-1.647	-1.647	0	%100
68	MP1A	Z	-2.853	-2.853	0	%100
69	MP2A	X	-1.647	-1.647	0	%100
70	MP2A	Z	-2.853	-2.853	0	%100
71	MP3A	X	-1.794	-1.794	0	%100
72	MP3A	Z	-3.108	-3.108	0	%100
73	MP4A	X	-1.647	-1.647	0	%100
74	MP4A	Z	-2.853	-2.853	0	%100
75	MP1C	X	-1.647	-1.647	0	%100
76	MP1C	Z	-2.853	-2.853	0	%100
77	MP2C	X	-1.647	-1.647	0	%100
78	MP2C	Z	-2.853	-2.853	0	%100
79	MP3C	X	-1.794	-1.794	0	%100
80	MP3C	Z	-3.108	-3.108	0	%100
81	MP4C	X	-1.647	-1.647	0	%100
82	MP4C	Z	-2.853	-2.853	0	%100
83	MP1B	X	-1.647	-1.647	0	%100
84	MP1B	Z	-2.853	-2.853	0	%100
85	MP2B	X	-1.647	-1.647	0	%100
86	MP2B	Z	-2.853	-2.853	0	%100
87	MP3B	X	-1.794	-1.794	0	%100
88	MP3B	Z	-3.108	-3.108	0	%100
89	MP4B	X	-1.647	-1.647	0	%100
90	MP4B	Z	-2.853	-2.853	0	%100
91	M86	X	-1.323	-1.323	0	%100
92	M86	Z	-2.292	-2.292	0	%100
93	M92A	X	-1.548	-1.548	0	%100
94	M92A	Z	-2.681	-2.681	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	-1.548	-1.548	0	%100
98	M94	Z	-2.681	-2.681	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	-1.224	-1.224	0	%100
102	M114	Z	-2.12	-2.12	0	%100
103	M115	X	-1.224	-1.224	0	%100
104	M115	Z	-2.12	-2.12	0	%100
105	M116	X	-2.243	-2.243	0	%100
106	M116	Z	-3.885	-3.885	0	%100
107	M117	X	-2.437	-2.437	0	%100
108	M117	Z	-4.221	-4.221	0	%100
109	M118	X	-2.243	-2.243	0	%100
110	M118	Z	-3.885	-3.885	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	-.801	-.801	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	-.801	-.801	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	-1.273	-1.273	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	-.194	-.194	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	-.194	-.194	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	-.341	-.341	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	-.341	-.341	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	-.324	-.324	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	-.324	-.324	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	-.2	-.2	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	-.2	-.2	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	-.318	-.318	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	-.341	-.341	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	-1.366	-1.366	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	-.324	-.324	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	-1.296	-1.296	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	-.2	-.2	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	-.2	-.2	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	-.318	-.318	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	-1.366	-1.366	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	-.341	-.341	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	-1.296	-1.296	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	-.324	-.324	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	-.743	-.743	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	-.186	-.186	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	-.186	-.186	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	-.496	-.496	0	%100
57	M179B	X	0	0	0	%100
58	M179B	Z	-.16	-.16	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	0	0	0	%100
60	M180B	Z	-.707	-.707	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	-.496	-.496	0	%100
63	M183B	X	0	0	0	%100
64	M183B	Z	-.707	-.707	0	%100
65	M184B	X	0	0	0	%100
66	M184B	Z	-.16	-.16	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	-.504	-.504	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	-.504	-.504	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	-.61	-.61	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	-.504	-.504	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	-.504	-.504	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	-.504	-.504	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	-.61	-.61	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-.504	-.504	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	-.504	-.504	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	-.504	-.504	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	-.61	-.61	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	-.504	-.504	0	%100
91	M86	X	0	0	0	%100
92	M86	Z	-.412	-.412	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	-.743	-.743	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	-.186	-.186	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	-.186	-.186	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	-.177	-.177	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	-.177	-.177	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	-.71	-.71	0	%100
105	M116	X	0	0	0	%100
106	M116	Z	-1.124	-1.124	0	%100
107	M117	X	0	0	0	%100
108	M117	Z	-1.077	-1.077	0	%100
109	M118	X	0	0	0	%100
110	M118	Z	-1.077	-1.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.083	.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-.143	-.143	0	%100
3	M10	X	.301	.301	0	%100
4	M10	Z	-.521	-.521	0	%100
5	M43	X	.301	.301	0	%100
6	M43	Z	-.521	-.521	0	%100
7	M46	X	.477	.477	0	%100
8	M46	Z	-.827	-.827	0	%100
9	M51B	X	.274	.274	0	%100
10	M51B	Z	-.474	-.474	0	%100
11	M52B	X	.00027	.00027	0	%100
12	M52B	Z	-.000468	-.000468	0	%100
13	M80	X	.512	.512	0	%100
14	M80	Z	-.887	-.887	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	.486	.486	0	%100
18	M149A	Z	-.842	-.842	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	.301	.301	0	%100
22	M149C	Z	-.521	-.521	0	%100
23	M150B	X	.301	.301	0	%100
24	M150B	Z	-.521	-.521	0	%100
25	M151A	X	.477	.477	0	%100
26	M151A	Z	-.827	-.827	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	.512	.512	0	%100
30	M161A	Z	-.887	-.887	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	.486	.486	0	%100
34	M168A	Z	-.842	-.842	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	.512	.512	0	%100
42	M181A	Z	-.887	-.887	0	%100
43	M183A	X	.512	.512	0	%100
44	M183A	Z	-.887	-.887	0	%100
45	M188A	X	.486	.486	0	%100
46	M188A	Z	-.842	-.842	0	%100
47	M190A	X	.486	.486	0	%100
48	M190A	Z	-.842	-.842	0	%100
49	M193A	X	.278	.278	0	%100
50	M193A	Z	-.482	-.482	0	%100
51	M193B	X	.278	.278	0	%100
52	M193B	Z	-.482	-.482	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	.083	.083	0	%100
56	M178A	Z	-.143	-.143	0	%100
57	M179B	X	.00027	.00027	0	%100
58	M179B	Z	-.000468	-.000468	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.274	.274	0	%100
60	M180B	Z	-.474	-.474	0	%100
61	M182B	X	.331	.331	0	%100
62	M182B	Z	-.573	-.573	0	%100
63	M183B	X	.257	.257	0	%100
64	M183B	Z	-.444	-.444	0	%100
65	M184B	X	.257	.257	0	%100
66	M184B	Z	-.444	-.444	0	%100
67	MP1A	X	.252	.252	0	%100
68	MP1A	Z	-.436	-.436	0	%100
69	MP2A	X	.252	.252	0	%100
70	MP2A	Z	-.436	-.436	0	%100
71	MP3A	X	.305	.305	0	%100
72	MP3A	Z	-.528	-.528	0	%100
73	MP4A	X	.252	.252	0	%100
74	MP4A	Z	-.436	-.436	0	%100
75	MP1C	X	.252	.252	0	%100
76	MP1C	Z	-.436	-.436	0	%100
77	MP2C	X	.252	.252	0	%100
78	MP2C	Z	-.436	-.436	0	%100
79	MP3C	X	.305	.305	0	%100
80	MP3C	Z	-.528	-.528	0	%100
81	MP4C	X	.252	.252	0	%100
82	MP4C	Z	-.436	-.436	0	%100
83	MP1B	X	.252	.252	0	%100
84	MP1B	Z	-.436	-.436	0	%100
85	MP2B	X	.252	.252	0	%100
86	MP2B	Z	-.436	-.436	0	%100
87	MP3B	X	.305	.305	0	%100
88	MP3B	Z	-.528	-.528	0	%100
89	MP4B	X	.252	.252	0	%100
90	MP4B	Z	-.436	-.436	0	%100
91	M86	X	.206	.206	0	%100
92	M86	Z	-.357	-.357	0	%100
93	M92A	X	.278	.278	0	%100
94	M92A	Z	-.482	-.482	0	%100
95	M93	X	.278	.278	0	%100
96	M93	Z	-.482	-.482	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	.266	.266	0	%100
100	M113	Z	-.461	-.461	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	.266	.266	0	%100
104	M115	Z	-.461	-.461	0	%100
105	M116	X	.554	.554	0	%100
106	M116	Z	-.96	-.96	0	%100
107	M117	X	.554	.554	0	%100
108	M117	Z	-.96	-.96	0	%100
109	M118	X	.53	.53	0	%100
110	M118	Z	-.919	-.919	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.43	.43	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-.248	-.248	0	%100
3	M10	X	.174	.174	0	%100
4	M10	Z	-.1	-.1	0	%100
5	M43	X	.174	.174	0	%100
6	M43	Z	-.1	-.1	0	%100
7	M46	X	.276	.276	0	%100
8	M46	Z	-.159	-.159	0	%100
9	M51B	X	.612	.612	0	%100
10	M51B	Z	-.353	-.353	0	%100
11	M52B	X	.139	.139	0	%100
12	M52B	Z	-.08	-.08	0	%100
13	M80	X	1.183	1.183	0	%100
14	M80	Z	-.683	-.683	0	%100
15	M91	X	.296	.296	0	%100
16	M91	Z	-.171	-.171	0	%100
17	M149A	X	1.123	1.123	0	%100
18	M149A	Z	-.648	-.648	0	%100
19	M148A	X	.281	.281	0	%100
20	M148A	Z	-.162	-.162	0	%100
21	M149C	X	.694	.694	0	%100
22	M149C	Z	-.401	-.401	0	%100
23	M150B	X	.694	.694	0	%100
24	M150B	Z	-.401	-.401	0	%100
25	M151A	X	1.102	1.102	0	%100
26	M151A	Z	-.636	-.636	0	%100
27	M159A	X	.296	.296	0	%100
28	M159A	Z	-.171	-.171	0	%100
29	M161A	X	.296	.296	0	%100
30	M161A	Z	-.171	-.171	0	%100
31	M166A	X	.281	.281	0	%100
32	M166A	Z	-.162	-.162	0	%100
33	M168A	X	.281	.281	0	%100
34	M168A	Z	-.162	-.162	0	%100
35	M171A	X	.174	.174	0	%100
36	M171A	Z	-.1	-.1	0	%100
37	M172A	X	.174	.174	0	%100
38	M172A	Z	-.1	-.1	0	%100
39	M173A	X	.276	.276	0	%100
40	M173A	Z	-.159	-.159	0	%100
41	M181A	X	.296	.296	0	%100
42	M181A	Z	-.171	-.171	0	%100
43	M183A	X	1.183	1.183	0	%100
44	M183A	Z	-.683	-.683	0	%100
45	M188A	X	.281	.281	0	%100
46	M188A	Z	-.162	-.162	0	%100
47	M190A	X	1.123	1.123	0	%100
48	M190A	Z	-.648	-.648	0	%100
49	M193A	X	.161	.161	0	%100
50	M193A	Z	-.093	-.093	0	%100
51	M193B	X	.643	.643	0	%100
52	M193B	Z	-.371	-.371	0	%100
53	M194A	X	.161	.161	0	%100
54	M194A	Z	-.093	-.093	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	.168	.168	0	%100
58	M179B	Z	-.097	-.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.168	.168	0	%100
60	M180B	Z	-.097	-.097	0	%100
61	M182B	X	.43	.43	0	%100
62	M182B	Z	-.248	-.248	0	%100
63	M183B	X	.139	.139	0	%100
64	M183B	Z	-.08	-.08	0	%100
65	M184B	X	.612	.612	0	%100
66	M184B	Z	-.353	-.353	0	%100
67	MP1A	X	.436	.436	0	%100
68	MP1A	Z	-.252	-.252	0	%100
69	MP2A	X	.436	.436	0	%100
70	MP2A	Z	-.252	-.252	0	%100
71	MP3A	X	.528	.528	0	%100
72	MP3A	Z	-.305	-.305	0	%100
73	MP4A	X	.436	.436	0	%100
74	MP4A	Z	-.252	-.252	0	%100
75	MP1C	X	.436	.436	0	%100
76	MP1C	Z	-.252	-.252	0	%100
77	MP2C	X	.436	.436	0	%100
78	MP2C	Z	-.252	-.252	0	%100
79	MP3C	X	.528	.528	0	%100
80	MP3C	Z	-.305	-.305	0	%100
81	MP4C	X	.436	.436	0	%100
82	MP4C	Z	-.252	-.252	0	%100
83	MP1B	X	.436	.436	0	%100
84	MP1B	Z	-.252	-.252	0	%100
85	MP2B	X	.436	.436	0	%100
86	MP2B	Z	-.252	-.252	0	%100
87	MP3B	X	.528	.528	0	%100
88	MP3B	Z	-.305	-.305	0	%100
89	MP4B	X	.436	.436	0	%100
90	MP4B	Z	-.252	-.252	0	%100
91	M86	X	.357	.357	0	%100
92	M86	Z	-.206	-.206	0	%100
93	M92A	X	.161	.161	0	%100
94	M92A	Z	-.093	-.093	0	%100
95	M93	X	.643	.643	0	%100
96	M93	Z	-.371	-.371	0	%100
97	M94	X	.161	.161	0	%100
98	M94	Z	-.093	-.093	0	%100
99	M113	X	.615	.615	0	%100
100	M113	Z	-.355	-.355	0	%100
101	M114	X	.154	.154	0	%100
102	M114	Z	-.089	-.089	0	%100
103	M115	X	.154	.154	0	%100
104	M115	Z	-.089	-.089	0	%100
105	M116	X	.932	.932	0	%100
106	M116	Z	-.538	-.538	0	%100
107	M117	X	.974	.974	0	%100
108	M117	Z	-.562	-.562	0	%100
109	M118	X	.932	.932	0	%100
110	M118	Z	-.538	-.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.662	.662	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	.513	.513	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	.513	.513	0	%100
12	M52B	Z	0	0	0	%100
13	M80	X	1.024	1.024	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	1.024	1.024	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	.972	.972	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	.972	.972	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	.601	.601	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	.601	.601	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	.955	.955	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	1.024	1.024	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	0	0	0	%100
31	M166A	X	.972	.972	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	0	0	0	%100
35	M171A	X	.601	.601	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	.601	.601	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	.955	.955	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	0	0	0	%100
43	M183A	X	1.024	1.024	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	0	0	0	%100
47	M190A	X	.972	.972	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	0	0	0	%100
51	M193B	X	.557	.557	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	.557	.557	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	.165	.165	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	.547	.547	0	%100
58	M179B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.00054	.00054	0	%100
60	M180B	Z	0	0	0	%100
61	M182B	X	.165	.165	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	.00054	.00054	0	%100
64	M183B	Z	0	0	0	%100
65	M184B	X	.547	.547	0	%100
66	M184B	Z	0	0	0	%100
67	MP1A	X	.504	.504	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	.504	.504	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	.61	.61	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	.504	.504	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1C	X	.504	.504	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	.504	.504	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	.61	.61	0	%100
80	MP3C	Z	0	0	0	%100
81	MP4C	X	.504	.504	0	%100
82	MP4C	Z	0	0	0	%100
83	MP1B	X	.504	.504	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	.504	.504	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	.61	.61	0	%100
88	MP3B	Z	0	0	0	%100
89	MP4B	X	.504	.504	0	%100
90	MP4B	Z	0	0	0	%100
91	M86	X	.412	.412	0	%100
92	M86	Z	0	0	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	0	0	0	%100
95	M93	X	.557	.557	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	.557	.557	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	.532	.532	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	.532	.532	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	0	0	0	%100
105	M116	X	1.061	1.061	0	%100
106	M116	Z	0	0	0	%100
107	M117	X	1.108	1.108	0	%100
108	M117	Z	0	0	0	%100
109	M118	X	1.108	1.108	0	%100
110	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.43	.43	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	.248	.248	0	%100
3	M10	X	.174	.174	0	%100
4	M10	Z	.1	.1	0	%100
5	M43	X	.174	.174	0	%100
6	M43	Z	.1	.1	0	%100
7	M46	X	.276	.276	0	%100
8	M46	Z	.159	.159	0	%100
9	M51B	X	.139	.139	0	%100
10	M51B	Z	.08	.08	0	%100
11	M52B	X	.612	.612	0	%100
12	M52B	Z	.353	.353	0	%100
13	M80	X	.296	.296	0	%100
14	M80	Z	.171	.171	0	%100
15	M91	X	1.183	1.183	0	%100
16	M91	Z	.683	.683	0	%100
17	M149A	X	.281	.281	0	%100
18	M149A	Z	.162	.162	0	%100
19	M148A	X	1.123	1.123	0	%100
20	M148A	Z	.648	.648	0	%100
21	M149C	X	.174	.174	0	%100
22	M149C	Z	.1	.1	0	%100
23	M150B	X	.174	.174	0	%100
24	M150B	Z	.1	.1	0	%100
25	M151A	X	.276	.276	0	%100
26	M151A	Z	.159	.159	0	%100
27	M159A	X	1.183	1.183	0	%100
28	M159A	Z	.683	.683	0	%100
29	M161A	X	.296	.296	0	%100
30	M161A	Z	.171	.171	0	%100
31	M166A	X	1.123	1.123	0	%100
32	M166A	Z	.648	.648	0	%100
33	M168A	X	.281	.281	0	%100
34	M168A	Z	.162	.162	0	%100
35	M171A	X	.694	.694	0	%100
36	M171A	Z	.401	.401	0	%100
37	M172A	X	.694	.694	0	%100
38	M172A	Z	.401	.401	0	%100
39	M173A	X	1.102	1.102	0	%100
40	M173A	Z	.636	.636	0	%100
41	M181A	X	.296	.296	0	%100
42	M181A	Z	.171	.171	0	%100
43	M183A	X	.296	.296	0	%100
44	M183A	Z	.171	.171	0	%100
45	M188A	X	.281	.281	0	%100
46	M188A	Z	.162	.162	0	%100
47	M190A	X	.281	.281	0	%100
48	M190A	Z	.162	.162	0	%100
49	M193A	X	.161	.161	0	%100
50	M193A	Z	.093	.093	0	%100
51	M193B	X	.161	.161	0	%100
52	M193B	Z	.093	.093	0	%100
53	M194A	X	.643	.643	0	%100
54	M194A	Z	.371	.371	0	%100
55	M178A	X	.43	.43	0	%100
56	M178A	Z	.248	.248	0	%100
57	M179B	X	.612	.612	0	%100
58	M179B	Z	.353	.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.139	.139	0	%100
60	M180B	Z	.08	.08	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	.168	.168	0	%100
64	M183B	Z	.097	.097	0	%100
65	M184B	X	.168	.168	0	%100
66	M184B	Z	.097	.097	0	%100
67	MP1A	X	.436	.436	0	%100
68	MP1A	Z	.252	.252	0	%100
69	MP2A	X	.436	.436	0	%100
70	MP2A	Z	.252	.252	0	%100
71	MP3A	X	.528	.528	0	%100
72	MP3A	Z	.305	.305	0	%100
73	MP4A	X	.436	.436	0	%100
74	MP4A	Z	.252	.252	0	%100
75	MP1C	X	.436	.436	0	%100
76	MP1C	Z	.252	.252	0	%100
77	MP2C	X	.436	.436	0	%100
78	MP2C	Z	.252	.252	0	%100
79	MP3C	X	.528	.528	0	%100
80	MP3C	Z	.305	.305	0	%100
81	MP4C	X	.436	.436	0	%100
82	MP4C	Z	.252	.252	0	%100
83	MP1B	X	.436	.436	0	%100
84	MP1B	Z	.252	.252	0	%100
85	MP2B	X	.436	.436	0	%100
86	MP2B	Z	.252	.252	0	%100
87	MP3B	X	.528	.528	0	%100
88	MP3B	Z	.305	.305	0	%100
89	MP4B	X	.436	.436	0	%100
90	MP4B	Z	.252	.252	0	%100
91	M86	X	.357	.357	0	%100
92	M86	Z	.206	.206	0	%100
93	M92A	X	.161	.161	0	%100
94	M92A	Z	.093	.093	0	%100
95	M93	X	.161	.161	0	%100
96	M93	Z	.093	.093	0	%100
97	M94	X	.643	.643	0	%100
98	M94	Z	.371	.371	0	%100
99	M113	X	.154	.154	0	%100
100	M113	Z	.089	.089	0	%100
101	M114	X	.615	.615	0	%100
102	M114	Z	.355	.355	0	%100
103	M115	X	.154	.154	0	%100
104	M115	Z	.089	.089	0	%100
105	M116	X	.932	.932	0	%100
106	M116	Z	.538	.538	0	%100
107	M117	X	.932	.932	0	%100
108	M117	Z	.538	.538	0	%100
109	M118	X	.974	.974	0	%100
110	M118	Z	.562	.562	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	.083	.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	.143	.143	0	%100
3	M10	X	.301	.301	0	%100
4	M10	Z	.521	.521	0	%100
5	M43	X	.301	.301	0	%100
6	M43	Z	.521	.521	0	%100
7	M46	X	.477	.477	0	%100
8	M46	Z	.827	.827	0	%100
9	M51B	X	.00027	.00027	0	%100
10	M51B	Z	.000468	.000468	0	%100
11	M52B	X	.274	.274	0	%100
12	M52B	Z	.474	.474	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	.512	.512	0	%100
16	M91	Z	.887	.887	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	.486	.486	0	%100
20	M148A	Z	.842	.842	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	.512	.512	0	%100
28	M159A	Z	.887	.887	0	%100
29	M161A	X	.512	.512	0	%100
30	M161A	Z	.887	.887	0	%100
31	M166A	X	.486	.486	0	%100
32	M166A	Z	.842	.842	0	%100
33	M168A	X	.486	.486	0	%100
34	M168A	Z	.842	.842	0	%100
35	M171A	X	.301	.301	0	%100
36	M171A	Z	.521	.521	0	%100
37	M172A	X	.301	.301	0	%100
38	M172A	Z	.521	.521	0	%100
39	M173A	X	.477	.477	0	%100
40	M173A	Z	.827	.827	0	%100
41	M181A	X	.512	.512	0	%100
42	M181A	Z	.887	.887	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	.486	.486	0	%100
46	M188A	Z	.842	.842	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	.278	.278	0	%100
50	M193A	Z	.482	.482	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	.278	.278	0	%100
54	M194A	Z	.482	.482	0	%100
55	M178A	X	.331	.331	0	%100
56	M178A	Z	.573	.573	0	%100
57	M179B	X	.257	.257	0	%100
58	M179B	Z	.444	.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	.257	.257	0	%100
60	M180B	Z	.444	.444	0	%100
61	M182B	X	.083	.083	0	%100
62	M182B	Z	.143	.143	0	%100
63	M183B	X	.274	.274	0	%100
64	M183B	Z	.474	.474	0	%100
65	M184B	X	.00027	.00027	0	%100
66	M184B	Z	.000468	.000468	0	%100
67	MP1A	X	.252	.252	0	%100
68	MP1A	Z	.436	.436	0	%100
69	MP2A	X	.252	.252	0	%100
70	MP2A	Z	.436	.436	0	%100
71	MP3A	X	.305	.305	0	%100
72	MP3A	Z	.528	.528	0	%100
73	MP4A	X	.252	.252	0	%100
74	MP4A	Z	.436	.436	0	%100
75	MP1C	X	.252	.252	0	%100
76	MP1C	Z	.436	.436	0	%100
77	MP2C	X	.252	.252	0	%100
78	MP2C	Z	.436	.436	0	%100
79	MP3C	X	.305	.305	0	%100
80	MP3C	Z	.528	.528	0	%100
81	MP4C	X	.252	.252	0	%100
82	MP4C	Z	.436	.436	0	%100
83	MP1B	X	.252	.252	0	%100
84	MP1B	Z	.436	.436	0	%100
85	MP2B	X	.252	.252	0	%100
86	MP2B	Z	.436	.436	0	%100
87	MP3B	X	.305	.305	0	%100
88	MP3B	Z	.528	.528	0	%100
89	MP4B	X	.252	.252	0	%100
90	MP4B	Z	.436	.436	0	%100
91	M86	X	.206	.206	0	%100
92	M86	Z	.357	.357	0	%100
93	M92A	X	.278	.278	0	%100
94	M92A	Z	.482	.482	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	.278	.278	0	%100
98	M94	Z	.482	.482	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	.266	.266	0	%100
102	M114	Z	.461	.461	0	%100
103	M115	X	.266	.266	0	%100
104	M115	Z	.461	.461	0	%100
105	M116	X	.554	.554	0	%100
106	M116	Z	.96	.96	0	%100
107	M117	X	.53	.53	0	%100
108	M117	Z	.919	.919	0	%100
109	M118	X	.554	.554	0	%100
110	M118	Z	.96	.96	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	.801	.801	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	.801	.801	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	1.273	1.273	0	%100
9	M51B	X	0	0	0	%100
10	M51B	Z	.194	.194	0	%100
11	M52B	X	0	0	0	%100
12	M52B	Z	.194	.194	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	.341	.341	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	.341	.341	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	.324	.324	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	.324	.324	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	.2	.2	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	.2	.2	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	.318	.318	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	.341	.341	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	1.366	1.366	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	.324	.324	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	1.296	1.296	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	.2	.2	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	.2	.2	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	.318	.318	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	1.366	1.366	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	.341	.341	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	1.296	1.296	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	.324	.324	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	.743	.743	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	.186	.186	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	.186	.186	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	.496	.496	0	%100
57	M179B	X	0	0	0	%100
58	M179B	Z	.16	.16	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	0	0	0	%100
60	M180B	Z	.707	.707	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	.496	.496	0	%100
63	M183B	X	0	0	0	%100
64	M183B	Z	.707	.707	0	%100
65	M184B	X	0	0	0	%100
66	M184B	Z	.16	.16	0	%100
67	MP1A	X	0	0	0	%100
68	MP1A	Z	.504	.504	0	%100
69	MP2A	X	0	0	0	%100
70	MP2A	Z	.504	.504	0	%100
71	MP3A	X	0	0	0	%100
72	MP3A	Z	.61	.61	0	%100
73	MP4A	X	0	0	0	%100
74	MP4A	Z	.504	.504	0	%100
75	MP1C	X	0	0	0	%100
76	MP1C	Z	.504	.504	0	%100
77	MP2C	X	0	0	0	%100
78	MP2C	Z	.504	.504	0	%100
79	MP3C	X	0	0	0	%100
80	MP3C	Z	.61	.61	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	.504	.504	0	%100
83	MP1B	X	0	0	0	%100
84	MP1B	Z	.504	.504	0	%100
85	MP2B	X	0	0	0	%100
86	MP2B	Z	.504	.504	0	%100
87	MP3B	X	0	0	0	%100
88	MP3B	Z	.61	.61	0	%100
89	MP4B	X	0	0	0	%100
90	MP4B	Z	.504	.504	0	%100
91	M86	X	0	0	0	%100
92	M86	Z	.412	.412	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	.743	.743	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	.186	.186	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	.186	.186	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	.177	.177	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	.177	.177	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	.71	.71	0	%100
105	M116	X	0	0	0	%100
106	M116	Z	1.124	1.124	0	%100
107	M117	X	0	0	0	%100
108	M117	Z	1.077	1.077	0	%100
109	M118	X	0	0	0	%100
110	M118	Z	1.077	1.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.083	-.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	.143	.143	0	%100
3	M10	X	-.301	-.301	0	%100
4	M10	Z	.521	.521	0	%100
5	M43	X	-.301	-.301	0	%100
6	M43	Z	.521	.521	0	%100
7	M46	X	-.477	-.477	0	%100
8	M46	Z	.827	.827	0	%100
9	M51B	X	-.274	-.274	0	%100
10	M51B	Z	.474	.474	0	%100
11	M52B	X	-.00027	-.00027	0	%100
12	M52B	Z	.000468	.000468	0	%100
13	M80	X	-.512	-.512	0	%100
14	M80	Z	.887	.887	0	%100
15	M91	X	0	0	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	-.486	-.486	0	%100
18	M149A	Z	.842	.842	0	%100
19	M148A	X	0	0	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	-.301	-.301	0	%100
22	M149C	Z	.521	.521	0	%100
23	M150B	X	-.301	-.301	0	%100
24	M150B	Z	.521	.521	0	%100
25	M151A	X	-.477	-.477	0	%100
26	M151A	Z	.827	.827	0	%100
27	M159A	X	0	0	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	-.512	-.512	0	%100
30	M161A	Z	.887	.887	0	%100
31	M166A	X	0	0	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	-.486	-.486	0	%100
34	M168A	Z	.842	.842	0	%100
35	M171A	X	0	0	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	0	0	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	0	0	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	-.512	-.512	0	%100
42	M181A	Z	.887	.887	0	%100
43	M183A	X	-.512	-.512	0	%100
44	M183A	Z	.887	.887	0	%100
45	M188A	X	-.486	-.486	0	%100
46	M188A	Z	.842	.842	0	%100
47	M190A	X	-.486	-.486	0	%100
48	M190A	Z	.842	.842	0	%100
49	M193A	X	-.278	-.278	0	%100
50	M193A	Z	.482	.482	0	%100
51	M193B	X	-.278	-.278	0	%100
52	M193B	Z	.482	.482	0	%100
53	M194A	X	0	0	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	-.083	-.083	0	%100
56	M178A	Z	.143	.143	0	%100
57	M179B	X	-.00027	-.00027	0	%100
58	M179B	Z	.000468	.000468	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.274	-.274	0	%100
60	M180B	Z	.474	.474	0	%100
61	M182B	X	-.331	-.331	0	%100
62	M182B	Z	.573	.573	0	%100
63	M183B	X	-.257	-.257	0	%100
64	M183B	Z	.444	.444	0	%100
65	M184B	X	-.257	-.257	0	%100
66	M184B	Z	.444	.444	0	%100
67	MP1A	X	-.252	-.252	0	%100
68	MP1A	Z	.436	.436	0	%100
69	MP2A	X	-.252	-.252	0	%100
70	MP2A	Z	.436	.436	0	%100
71	MP3A	X	-.305	-.305	0	%100
72	MP3A	Z	.528	.528	0	%100
73	MP4A	X	-.252	-.252	0	%100
74	MP4A	Z	.436	.436	0	%100
75	MP1C	X	-.252	-.252	0	%100
76	MP1C	Z	.436	.436	0	%100
77	MP2C	X	-.252	-.252	0	%100
78	MP2C	Z	.436	.436	0	%100
79	MP3C	X	-.305	-.305	0	%100
80	MP3C	Z	.528	.528	0	%100
81	MP4C	X	-.252	-.252	0	%100
82	MP4C	Z	.436	.436	0	%100
83	MP1B	X	-.252	-.252	0	%100
84	MP1B	Z	.436	.436	0	%100
85	MP2B	X	-.252	-.252	0	%100
86	MP2B	Z	.436	.436	0	%100
87	MP3B	X	-.305	-.305	0	%100
88	MP3B	Z	.528	.528	0	%100
89	MP4B	X	-.252	-.252	0	%100
90	MP4B	Z	.436	.436	0	%100
91	M86	X	-.206	-.206	0	%100
92	M86	Z	.357	.357	0	%100
93	M92A	X	-.278	-.278	0	%100
94	M92A	Z	.482	.482	0	%100
95	M93	X	-.278	-.278	0	%100
96	M93	Z	.482	.482	0	%100
97	M94	X	0	0	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	-.266	-.266	0	%100
100	M113	Z	.461	.461	0	%100
101	M114	X	0	0	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	-.266	-.266	0	%100
104	M115	Z	.461	.461	0	%100
105	M116	X	-.554	-.554	0	%100
106	M116	Z	.96	.96	0	%100
107	M117	X	-.554	-.554	0	%100
108	M117	Z	.96	.96	0	%100
109	M118	X	-.53	-.53	0	%100
110	M118	Z	.919	.919	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.43	-.43	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	.248	.248	0	%100
3	M10	X	-.174	-.174	0	%100
4	M10	Z	.1	.1	0	%100
5	M43	X	-.174	-.174	0	%100
6	M43	Z	.1	.1	0	%100
7	M46	X	-.276	-.276	0	%100
8	M46	Z	.159	.159	0	%100
9	M51B	X	-.612	-.612	0	%100
10	M51B	Z	.353	.353	0	%100
11	M52B	X	-.139	-.139	0	%100
12	M52B	Z	.08	.08	0	%100
13	M80	X	-1.183	-1.183	0	%100
14	M80	Z	.683	.683	0	%100
15	M91	X	-.296	-.296	0	%100
16	M91	Z	.171	.171	0	%100
17	M149A	X	-1.123	-1.123	0	%100
18	M149A	Z	.648	.648	0	%100
19	M148A	X	-.281	-.281	0	%100
20	M148A	Z	.162	.162	0	%100
21	M149C	X	-.694	-.694	0	%100
22	M149C	Z	.401	.401	0	%100
23	M150B	X	-.694	-.694	0	%100
24	M150B	Z	.401	.401	0	%100
25	M151A	X	-1.102	-1.102	0	%100
26	M151A	Z	.636	.636	0	%100
27	M159A	X	-.296	-.296	0	%100
28	M159A	Z	.171	.171	0	%100
29	M161A	X	-.296	-.296	0	%100
30	M161A	Z	.171	.171	0	%100
31	M166A	X	-.281	-.281	0	%100
32	M166A	Z	.162	.162	0	%100
33	M168A	X	-.281	-.281	0	%100
34	M168A	Z	.162	.162	0	%100
35	M171A	X	-.174	-.174	0	%100
36	M171A	Z	.1	.1	0	%100
37	M172A	X	-.174	-.174	0	%100
38	M172A	Z	.1	.1	0	%100
39	M173A	X	-.276	-.276	0	%100
40	M173A	Z	.159	.159	0	%100
41	M181A	X	-.296	-.296	0	%100
42	M181A	Z	.171	.171	0	%100
43	M183A	X	-1.183	-1.183	0	%100
44	M183A	Z	.683	.683	0	%100
45	M188A	X	-.281	-.281	0	%100
46	M188A	Z	.162	.162	0	%100
47	M190A	X	-1.123	-1.123	0	%100
48	M190A	Z	.648	.648	0	%100
49	M193A	X	-.161	-.161	0	%100
50	M193A	Z	.093	.093	0	%100
51	M193B	X	-.643	-.643	0	%100
52	M193B	Z	.371	.371	0	%100
53	M194A	X	-.161	-.161	0	%100
54	M194A	Z	.093	.093	0	%100
55	M178A	X	0	0	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	-.168	-.168	0	%100
58	M179B	Z	.097	.097	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.168	-.168	0	%100
60	M180B	Z	.097	.097	0	%100
61	M182B	X	-.43	-.43	0	%100
62	M182B	Z	.248	.248	0	%100
63	M183B	X	-.139	-.139	0	%100
64	M183B	Z	.08	.08	0	%100
65	M184B	X	-.612	-.612	0	%100
66	M184B	Z	.353	.353	0	%100
67	MP1A	X	-.436	-.436	0	%100
68	MP1A	Z	.252	.252	0	%100
69	MP2A	X	-.436	-.436	0	%100
70	MP2A	Z	.252	.252	0	%100
71	MP3A	X	-.528	-.528	0	%100
72	MP3A	Z	.305	.305	0	%100
73	MP4A	X	-.436	-.436	0	%100
74	MP4A	Z	.252	.252	0	%100
75	MP1C	X	-.436	-.436	0	%100
76	MP1C	Z	.252	.252	0	%100
77	MP2C	X	-.436	-.436	0	%100
78	MP2C	Z	.252	.252	0	%100
79	MP3C	X	-.528	-.528	0	%100
80	MP3C	Z	.305	.305	0	%100
81	MP4C	X	-.436	-.436	0	%100
82	MP4C	Z	.252	.252	0	%100
83	MP1B	X	-.436	-.436	0	%100
84	MP1B	Z	.252	.252	0	%100
85	MP2B	X	-.436	-.436	0	%100
86	MP2B	Z	.252	.252	0	%100
87	MP3B	X	-.528	-.528	0	%100
88	MP3B	Z	.305	.305	0	%100
89	MP4B	X	-.436	-.436	0	%100
90	MP4B	Z	.252	.252	0	%100
91	M86	X	-.357	-.357	0	%100
92	M86	Z	.206	.206	0	%100
93	M92A	X	-.161	-.161	0	%100
94	M92A	Z	.093	.093	0	%100
95	M93	X	-.643	-.643	0	%100
96	M93	Z	.371	.371	0	%100
97	M94	X	-.161	-.161	0	%100
98	M94	Z	.093	.093	0	%100
99	M113	X	-.615	-.615	0	%100
100	M113	Z	.355	.355	0	%100
101	M114	X	-.154	-.154	0	%100
102	M114	Z	.089	.089	0	%100
103	M115	X	-.154	-.154	0	%100
104	M115	Z	.089	.089	0	%100
105	M116	X	-.932	-.932	0	%100
106	M116	Z	.538	.538	0	%100
107	M117	X	-.974	-.974	0	%100
108	M117	Z	.562	.562	0	%100
109	M118	X	-.932	-.932	0	%100
110	M118	Z	.538	.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.662	-.662	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	0	0	0	%100
3	M10	X	0	0	0	%100
4	M10	Z	0	0	0	%100
5	M43	X	0	0	0	%100
6	M43	Z	0	0	0	%100
7	M46	X	0	0	0	%100
8	M46	Z	0	0	0	%100
9	M51B	X	-.513	-.513	0	%100
10	M51B	Z	0	0	0	%100
11	M52B	X	-.513	-.513	0	%100
12	M52B	Z	0	0	0	%100
13	M80	X	-1.024	-1.024	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	-1.024	-1.024	0	%100
16	M91	Z	0	0	0	%100
17	M149A	X	-.972	-.972	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	-.972	-.972	0	%100
20	M148A	Z	0	0	0	%100
21	M149C	X	-.601	-.601	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	-.601	-.601	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	-.955	-.955	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	-1.024	-1.024	0	%100
28	M159A	Z	0	0	0	%100
29	M161A	X	0	0	0	%100
30	M161A	Z	0	0	0	%100
31	M166A	X	-.972	-.972	0	%100
32	M166A	Z	0	0	0	%100
33	M168A	X	0	0	0	%100
34	M168A	Z	0	0	0	%100
35	M171A	X	-.601	-.601	0	%100
36	M171A	Z	0	0	0	%100
37	M172A	X	-.601	-.601	0	%100
38	M172A	Z	0	0	0	%100
39	M173A	X	-.955	-.955	0	%100
40	M173A	Z	0	0	0	%100
41	M181A	X	0	0	0	%100
42	M181A	Z	0	0	0	%100
43	M183A	X	-1.024	-1.024	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	0	0	0	%100
46	M188A	Z	0	0	0	%100
47	M190A	X	-.972	-.972	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	0	0	0	%100
50	M193A	Z	0	0	0	%100
51	M193B	X	-.557	-.557	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	-.557	-.557	0	%100
54	M194A	Z	0	0	0	%100
55	M178A	X	-.165	-.165	0	%100
56	M178A	Z	0	0	0	%100
57	M179B	X	-.547	-.547	0	%100
58	M179B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.00054	-.00054	0	%100
60	M180B	Z	0	0	0	%100
61	M182B	X	-.165	-.165	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	-.00054	-.00054	0	%100
64	M183B	Z	0	0	0	%100
65	M184B	X	-.547	-.547	0	%100
66	M184B	Z	0	0	0	%100
67	MP1A	X	-.504	-.504	0	%100
68	MP1A	Z	0	0	0	%100
69	MP2A	X	-.504	-.504	0	%100
70	MP2A	Z	0	0	0	%100
71	MP3A	X	-.61	-.61	0	%100
72	MP3A	Z	0	0	0	%100
73	MP4A	X	-.504	-.504	0	%100
74	MP4A	Z	0	0	0	%100
75	MP1C	X	-.504	-.504	0	%100
76	MP1C	Z	0	0	0	%100
77	MP2C	X	-.504	-.504	0	%100
78	MP2C	Z	0	0	0	%100
79	MP3C	X	-.61	-.61	0	%100
80	MP3C	Z	0	0	0	%100
81	MP4C	X	-.504	-.504	0	%100
82	MP4C	Z	0	0	0	%100
83	MP1B	X	-.504	-.504	0	%100
84	MP1B	Z	0	0	0	%100
85	MP2B	X	-.504	-.504	0	%100
86	MP2B	Z	0	0	0	%100
87	MP3B	X	-.61	-.61	0	%100
88	MP3B	Z	0	0	0	%100
89	MP4B	X	-.504	-.504	0	%100
90	MP4B	Z	0	0	0	%100
91	M86	X	-.412	-.412	0	%100
92	M86	Z	0	0	0	%100
93	M92A	X	0	0	0	%100
94	M92A	Z	0	0	0	%100
95	M93	X	-.557	-.557	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	-.557	-.557	0	%100
98	M94	Z	0	0	0	%100
99	M113	X	-.532	-.532	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	-.532	-.532	0	%100
102	M114	Z	0	0	0	%100
103	M115	X	0	0	0	%100
104	M115	Z	0	0	0	%100
105	M116	X	-1.061	-1.061	0	%100
106	M116	Z	0	0	0	%100
107	M117	X	-1.108	-1.108	0	%100
108	M117	Z	0	0	0	%100
109	M118	X	-1.108	-1.108	0	%100
110	M118	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.43	-.43	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-.248	-.248	0	%100
3	M10	X	-.174	-.174	0	%100
4	M10	Z	-.1	-.1	0	%100
5	M43	X	-.174	-.174	0	%100
6	M43	Z	-.1	-.1	0	%100
7	M46	X	-.276	-.276	0	%100
8	M46	Z	-.159	-.159	0	%100
9	M51B	X	-.139	-.139	0	%100
10	M51B	Z	-.08	-.08	0	%100
11	M52B	X	-.612	-.612	0	%100
12	M52B	Z	-.353	-.353	0	%100
13	M80	X	-.296	-.296	0	%100
14	M80	Z	-.171	-.171	0	%100
15	M91	X	-1.183	-1.183	0	%100
16	M91	Z	-.683	-.683	0	%100
17	M149A	X	-.281	-.281	0	%100
18	M149A	Z	-.162	-.162	0	%100
19	M148A	X	-1.123	-1.123	0	%100
20	M148A	Z	-.648	-.648	0	%100
21	M149C	X	-.174	-.174	0	%100
22	M149C	Z	-.1	-.1	0	%100
23	M150B	X	-.174	-.174	0	%100
24	M150B	Z	-.1	-.1	0	%100
25	M151A	X	-.276	-.276	0	%100
26	M151A	Z	-.159	-.159	0	%100
27	M159A	X	-1.183	-1.183	0	%100
28	M159A	Z	-.683	-.683	0	%100
29	M161A	X	-.296	-.296	0	%100
30	M161A	Z	-.171	-.171	0	%100
31	M166A	X	-1.123	-1.123	0	%100
32	M166A	Z	-.648	-.648	0	%100
33	M168A	X	-.281	-.281	0	%100
34	M168A	Z	-.162	-.162	0	%100
35	M171A	X	-.694	-.694	0	%100
36	M171A	Z	-.401	-.401	0	%100
37	M172A	X	-.694	-.694	0	%100
38	M172A	Z	-.401	-.401	0	%100
39	M173A	X	-1.102	-1.102	0	%100
40	M173A	Z	-.636	-.636	0	%100
41	M181A	X	-.296	-.296	0	%100
42	M181A	Z	-.171	-.171	0	%100
43	M183A	X	-.296	-.296	0	%100
44	M183A	Z	-.171	-.171	0	%100
45	M188A	X	-.281	-.281	0	%100
46	M188A	Z	-.162	-.162	0	%100
47	M190A	X	-.281	-.281	0	%100
48	M190A	Z	-.162	-.162	0	%100
49	M193A	X	-.161	-.161	0	%100
50	M193A	Z	-.093	-.093	0	%100
51	M193B	X	-.161	-.161	0	%100
52	M193B	Z	-.093	-.093	0	%100
53	M194A	X	-.643	-.643	0	%100
54	M194A	Z	-.371	-.371	0	%100
55	M178A	X	-.43	-.43	0	%100
56	M178A	Z	-.248	-.248	0	%100
57	M179B	X	-.612	-.612	0	%100
58	M179B	Z	-.353	-.353	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.139	-.139	0	%100
60	M180B	Z	-.08	-.08	0	%100
61	M182B	X	0	0	0	%100
62	M182B	Z	0	0	0	%100
63	M183B	X	-.168	-.168	0	%100
64	M183B	Z	-.097	-.097	0	%100
65	M184B	X	-.168	-.168	0	%100
66	M184B	Z	-.097	-.097	0	%100
67	MP1A	X	-.436	-.436	0	%100
68	MP1A	Z	-.252	-.252	0	%100
69	MP2A	X	-.436	-.436	0	%100
70	MP2A	Z	-.252	-.252	0	%100
71	MP3A	X	-.528	-.528	0	%100
72	MP3A	Z	-.305	-.305	0	%100
73	MP4A	X	-.436	-.436	0	%100
74	MP4A	Z	-.252	-.252	0	%100
75	MP1C	X	-.436	-.436	0	%100
76	MP1C	Z	-.252	-.252	0	%100
77	MP2C	X	-.436	-.436	0	%100
78	MP2C	Z	-.252	-.252	0	%100
79	MP3C	X	-.528	-.528	0	%100
80	MP3C	Z	-.305	-.305	0	%100
81	MP4C	X	-.436	-.436	0	%100
82	MP4C	Z	-.252	-.252	0	%100
83	MP1B	X	-.436	-.436	0	%100
84	MP1B	Z	-.252	-.252	0	%100
85	MP2B	X	-.436	-.436	0	%100
86	MP2B	Z	-.252	-.252	0	%100
87	MP3B	X	-.528	-.528	0	%100
88	MP3B	Z	-.305	-.305	0	%100
89	MP4B	X	-.436	-.436	0	%100
90	MP4B	Z	-.252	-.252	0	%100
91	M86	X	-.357	-.357	0	%100
92	M86	Z	-.206	-.206	0	%100
93	M92A	X	-.161	-.161	0	%100
94	M92A	Z	-.093	-.093	0	%100
95	M93	X	-.161	-.161	0	%100
96	M93	Z	-.093	-.093	0	%100
97	M94	X	-.643	-.643	0	%100
98	M94	Z	-.371	-.371	0	%100
99	M113	X	-.154	-.154	0	%100
100	M113	Z	-.089	-.089	0	%100
101	M114	X	-.615	-.615	0	%100
102	M114	Z	-.355	-.355	0	%100
103	M115	X	-.154	-.154	0	%100
104	M115	Z	-.089	-.089	0	%100
105	M116	X	-.932	-.932	0	%100
106	M116	Z	-.538	-.538	0	%100
107	M117	X	-.932	-.932	0	%100
108	M117	Z	-.538	-.538	0	%100
109	M118	X	-.974	-.974	0	%100
110	M118	Z	-.562	-.562	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M4	X	-.083	-.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M4	Z	-.143	-.143	0	%100
3	M10	X	-.301	-.301	0	%100
4	M10	Z	-.521	-.521	0	%100
5	M43	X	-.301	-.301	0	%100
6	M43	Z	-.521	-.521	0	%100
7	M46	X	-.477	-.477	0	%100
8	M46	Z	-.827	-.827	0	%100
9	M51B	X	-.00027	-.00027	0	%100
10	M51B	Z	-.000468	-.000468	0	%100
11	M52B	X	-.274	-.274	0	%100
12	M52B	Z	-.474	-.474	0	%100
13	M80	X	0	0	0	%100
14	M80	Z	0	0	0	%100
15	M91	X	-.512	-.512	0	%100
16	M91	Z	-.887	-.887	0	%100
17	M149A	X	0	0	0	%100
18	M149A	Z	0	0	0	%100
19	M148A	X	-.486	-.486	0	%100
20	M148A	Z	-.842	-.842	0	%100
21	M149C	X	0	0	0	%100
22	M149C	Z	0	0	0	%100
23	M150B	X	0	0	0	%100
24	M150B	Z	0	0	0	%100
25	M151A	X	0	0	0	%100
26	M151A	Z	0	0	0	%100
27	M159A	X	-.512	-.512	0	%100
28	M159A	Z	-.887	-.887	0	%100
29	M161A	X	-.512	-.512	0	%100
30	M161A	Z	-.887	-.887	0	%100
31	M166A	X	-.486	-.486	0	%100
32	M166A	Z	-.842	-.842	0	%100
33	M168A	X	-.486	-.486	0	%100
34	M168A	Z	-.842	-.842	0	%100
35	M171A	X	-.301	-.301	0	%100
36	M171A	Z	-.521	-.521	0	%100
37	M172A	X	-.301	-.301	0	%100
38	M172A	Z	-.521	-.521	0	%100
39	M173A	X	-.477	-.477	0	%100
40	M173A	Z	-.827	-.827	0	%100
41	M181A	X	-.512	-.512	0	%100
42	M181A	Z	-.887	-.887	0	%100
43	M183A	X	0	0	0	%100
44	M183A	Z	0	0	0	%100
45	M188A	X	-.486	-.486	0	%100
46	M188A	Z	-.842	-.842	0	%100
47	M190A	X	0	0	0	%100
48	M190A	Z	0	0	0	%100
49	M193A	X	-.278	-.278	0	%100
50	M193A	Z	-.482	-.482	0	%100
51	M193B	X	0	0	0	%100
52	M193B	Z	0	0	0	%100
53	M194A	X	-.278	-.278	0	%100
54	M194A	Z	-.482	-.482	0	%100
55	M178A	X	-.331	-.331	0	%100
56	M178A	Z	-.573	-.573	0	%100
57	M179B	X	-.257	-.257	0	%100
58	M179B	Z	-.444	-.444	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
59	M180B	X	-.257	-.257	0	%100
60	M180B	Z	-.444	-.444	0	%100
61	M182B	X	-.083	-.083	0	%100
62	M182B	Z	-.143	-.143	0	%100
63	M183B	X	-.274	-.274	0	%100
64	M183B	Z	-.474	-.474	0	%100
65	M184B	X	-.00027	-.00027	0	%100
66	M184B	Z	-.000468	-.000468	0	%100
67	MP1A	X	-.252	-.252	0	%100
68	MP1A	Z	-.436	-.436	0	%100
69	MP2A	X	-.252	-.252	0	%100
70	MP2A	Z	-.436	-.436	0	%100
71	MP3A	X	-.305	-.305	0	%100
72	MP3A	Z	-.528	-.528	0	%100
73	MP4A	X	-.252	-.252	0	%100
74	MP4A	Z	-.436	-.436	0	%100
75	MP1C	X	-.252	-.252	0	%100
76	MP1C	Z	-.436	-.436	0	%100
77	MP2C	X	-.252	-.252	0	%100
78	MP2C	Z	-.436	-.436	0	%100
79	MP3C	X	-.305	-.305	0	%100
80	MP3C	Z	-.528	-.528	0	%100
81	MP4C	X	-.252	-.252	0	%100
82	MP4C	Z	-.436	-.436	0	%100
83	MP1B	X	-.252	-.252	0	%100
84	MP1B	Z	-.436	-.436	0	%100
85	MP2B	X	-.252	-.252	0	%100
86	MP2B	Z	-.436	-.436	0	%100
87	MP3B	X	-.305	-.305	0	%100
88	MP3B	Z	-.528	-.528	0	%100
89	MP4B	X	-.252	-.252	0	%100
90	MP4B	Z	-.436	-.436	0	%100
91	M86	X	-.206	-.206	0	%100
92	M86	Z	-.357	-.357	0	%100
93	M92A	X	-.278	-.278	0	%100
94	M92A	Z	-.482	-.482	0	%100
95	M93	X	0	0	0	%100
96	M93	Z	0	0	0	%100
97	M94	X	-.278	-.278	0	%100
98	M94	Z	-.482	-.482	0	%100
99	M113	X	0	0	0	%100
100	M113	Z	0	0	0	%100
101	M114	X	-.266	-.266	0	%100
102	M114	Z	-.461	-.461	0	%100
103	M115	X	-.266	-.266	0	%100
104	M115	Z	-.461	-.461	0	%100
105	M116	X	-.554	-.554	0	%100
106	M116	Z	-.96	-.96	0	%100
107	M117	X	-.53	-.53	0	%100
108	M117	Z	-.919	-.919	0	%100
109	M118	X	-.554	-.554	0	%100
110	M118	Z	-.96	-.96	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M179B	Y	-1.116	-3.96	0	.9

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
2	M179B	Y	-3.96	-6.947	.9	1.8
3	M179B	Y	-6.947	-9.332	1.8	2.7
4	M179B	Y	-9.332	-6.753	2.7	3.6
5	M179B	Y	-6.753	-.434	3.6	4.5
6	M180B	Y	-.383	-6.878	0	.9
7	M180B	Y	-6.878	-9.658	.9	1.8
8	M180B	Y	-9.658	-7.125	1.8	2.7
9	M180B	Y	-7.125	-4.48	2.7	3.6
10	M180B	Y	-4.48	-2.383	3.6	4.5
11	M51B	Y	-2.382	-4.478	0	.9
12	M51B	Y	-4.478	-7.124	.9	1.8
13	M51B	Y	-7.124	-9.657	1.8	2.7
14	M51B	Y	-9.657	-6.878	2.7	3.6
15	M51B	Y	-6.878	-.383	3.6	4.5
16	M52B	Y	-.434	-6.75	0	.9
17	M52B	Y	-6.75	-9.334	.9	1.8
18	M52B	Y	-9.334	-6.952	1.8	2.7
19	M52B	Y	-6.952	-3.959	2.7	3.6
20	M52B	Y	-3.959	-1.115	3.6	4.5
21	M183B	Y	-2.382	-4.478	0	.9
22	M183B	Y	-4.478	-7.124	.9	1.8
23	M183B	Y	-7.124	-9.657	1.8	2.7
24	M183B	Y	-9.657	-6.878	2.7	3.6
25	M183B	Y	-6.878	-.383	3.6	4.5
26	M184B	Y	-.434	-6.75	0	.9
27	M184B	Y	-6.75	-9.334	.9	1.8
28	M184B	Y	-9.334	-6.952	1.8	2.7
29	M184B	Y	-6.952	-3.959	2.7	3.6
30	M184B	Y	-3.959	-1.115	3.6	4.5

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
1	M179B	Y	-3.66	-12.988	0	.9
2	M179B	Y	-12.988	-22.786	.9	1.8
3	M179B	Y	-22.786	-30.609	1.8	2.7
4	M179B	Y	-30.609	-22.151	2.7	3.6
5	M179B	Y	-22.151	-1.424	3.6	4.5
6	M180B	Y	-1.256	-22.561	0	.9
7	M180B	Y	-22.561	-31.677	.9	1.8
8	M180B	Y	-31.677	-23.371	1.8	2.7
9	M180B	Y	-23.371	-14.694	2.7	3.6
10	M180B	Y	-14.694	-7.815	3.6	4.5
11	M51B	Y	-7.814	-14.688	0	.9
12	M51B	Y	-14.688	-23.366	.9	1.8
13	M51B	Y	-23.366	-31.676	1.8	2.7
14	M51B	Y	-31.676	-22.561	2.7	3.6
15	M51B	Y	-22.561	-1.256	3.6	4.5
16	M52B	Y	-1.424	-22.14	0	.9
17	M52B	Y	-22.14	-30.617	.9	1.8
18	M52B	Y	-30.617	-22.803	1.8	2.7
19	M52B	Y	-22.803	-12.987	2.7	3.6
20	M52B	Y	-12.987	-3.659	3.6	4.5
21	M183B	Y	-7.814	-14.688	0	.9
22	M183B	Y	-14.688	-23.366	.9	1.8
23	M183B	Y	-23.366	-31.676	1.8	2.7
24	M183B	Y	-31.676	-22.561	2.7	3.6

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,F,psf]	End Magnitude[l...	Start Location[ft,...	End Location[ft,%]
25	M183B	Y	-22.561	-1.256	3.6	4.5
26	M184B	Y	-1.424	-22.14	0	.9
27	M184B	Y	-22.14	-30.617	.9	1.8
28	M184B	Y	-30.617	-22.803	1.8	2.7
29	M184B	Y	-22.803	-12.987	2.7	3.6
30	M184B	Y	-12.987	-3.659	3.6	4.5

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N276B	N278A	N226B	N225A	Y	Two Way	-5
2	N7	N284C	N284B	N6	Y	Two Way	-5
3	N253A	N287A	N285A	N252A	Y	Two Way	-5
4	N183A	N184A	N184A		Y	Two Way	-5
5	N191	N185	N185		Y	Two Way	-5
6	N199	N186	N186		Y	Two Way	-5

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[psf]
1	N276B	N278A	N226B	N225A	Y	Two Way	-16.4
2	N7	N284C	N284B	N6	Y	Two Way	-16.4
3	N253A	N287A	N285A	N252A	Y	Two Way	-16.4

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	1093.396	10	332.614	19	2638.323	1	.254	7	1.378	4	.076	10
2		min	-1095.794	4	-70.074	1	-1528.591	7	-.164	1	-1.386	10	-.128	4
3	N223A	max	2244.883	9	333.671	15	1200.013	1	.084	7	1.392	12	.318	45
4		min	-1281.153	3	-63.231	9	-1752.023	7	-.489	25	-1.398	6	-.206	3
5	N250A	max	1446.949	10	527.256	23	916.437	12	.07	5	1.449	8	.276	23
6		min	-2416.243	4	-60.3	5	-1480.074	6	-.357	35	-1.456	2	-.07	5
7	N184A	max	47.835	10	2698.758	13	-271.557	7	0	51	0	4	0	10
8		min	-47.86	4	321.063	7	-1949.156	13	0	1	0	10	0	4
9	N185	max	-247.858	3	2698.109	21	974.303	21	0	6	0	48	0	48
10		min	-1687.614	21	340.643	3	143.181	3	0	48	0	6	0	6
11	N186	max	1717.164	17	2743.631	17	991.431	17	0	8	0	8	0	8
12		min	226.263	11	307.293	11	130.559	11	0	2	0	2	0	2
13	Totals:	max	4120.939	10	8707.871	13	4238.491	1						
14		min	-4120.939	4	2962.975	7	-4238.493	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*...	phi*...	phi*...	...	Eqn
1	M182B	PIPE_...	.366	3.722	17	.089	1.047		8	55183.305	65205	5.749	5.749	...	H1-...
2	M4	PIPE_...	.363	3.722	13	.081	0		4	55183.305	65205	5.749	5.749	...	H1-...
3	M178A	PIPE_...	.362	3.722	21	.130	3.78		47	55183.305	65205	5.749	5.749	...	H1-...
4	M52B	L2x2x3	.292	0	12	.031	4.5	y	19	8464.751	22743	.542	1.132	...	H2-1
5	M180B	L2x2x3	.290	0	8	.031	4.5	y	15	8464.751	22743	.542	1.134	...	H2-1
6	M184B	L2x2x3	.285	0	4	.031	4.5	y	23	8464.751	22743	.542	1.133	...	H2-1
7	M183B	L2x2x3	.272	4.5	6	.031	0	y	23	8464.751	22743	.542	1.134	...	H2-1
8	M51B	L2x2x3	.268	4.5	1	.032	0	y	19	8464.751	22743	.542	1.151	...	H2-1
9	M179B	L2x2x3	.260	4.5	10	.031	0	y	15	8464.751	22743	.542	1.133	...	H2-1
10	M46	PL3/8x6	.241	.516	7	.525	.516	y	17	36639.477	72900	.57	9.113	...	H1-...
11	M173A	PL3/8x6	.239	.516	11	.523	.516	y	21	36639.477	72900	.57	9.113	...	H1-...

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*...	phi*...	phi*...	...	Eqn
12	M151A	PL3/8x6	.236	.516	2	.523	.516	y	13	36639.477	72900	.57	9.113	...	H1-...
13	MP4C	PIPE_...	.210	3.875	6	.104	.938		3	20866.733	32130	1.872	1.872	...	H1-...
14	MP4B	PIPE_...	.208	3.875	1	.104	.938		11	20866.733	32130	1.872	1.872	...	H1-...
15	MP4A	PIPE_...	.207	3.875	34	.106	.938		7	20866.733	32130	1.872	1.872	...	H1-...
16	M149A	PL3/8x6	.207	0	5	.207	0	y	13	71601.728	72900	.57	9.113	...	H1-...
17	M166A	PL3/8x6	.206	0	1	.208	0	y	21	71601.728	72900	.57	9.113	...	H1-...
18	MP2B	PIPE_...	.202	3.875	7	.065	2.438		10	20866.733	32130	1.872	1.872	...	H1-...
19	MP2C	PIPE_...	.199	3.875	11	.065	2.438		2	20866.733	32130	1.872	1.872	...	H1-...
20	M188A	PL3/8x6	.195	0	9	.204	0	y	17	71601.728	72900	.57	9.113	...	H1-...
21	MP2A	PIPE_...	.195	3.875	3	.067	2.438		6	20866.733	32130	1.872	1.872	...	H1-...
22	MP1C	PIPE_...	.191	3.875	12	.086	.938		3	20866.733	32130	1.872	1.872	...	H1-...
23	MP1B	PIPE_...	.188	3.875	8	.088	3.875		6	20866.733	32130	1.872	1.872	...	H1-...
24	M148A	PL3/8x6	.186	.167	7	.212	0	y	13	71601.728	72900	.57	9.113	...	H1-...
25	M190A	PL3/8x6	.186	.167	11	.212	0	y	18	71601.728	72900	.57	9.113	...	H1-...
26	MP1A	PIPE_...	.184	3.875	4	.089	.938		7	20866.733	32130	1.872	1.872	...	H1-...
27	M115	L3X3X4	.182	1.403	12	.041	0	y	4	44663.978	46656	1.688	3.756	...	H2-1
28	M113	L3X3X4	.181	1.403	7	.047	1.403	z	48	44663.978	46656	1.688	3.756	...	H2-1
29	M114	L3X3X4	.180	1.403	4	.041	.102	y	8	44663.978	46656	1.688	3.756	...	H2-1
30	M168A	PL3/8x6	.180	.167	3	.212	0	y	21	71601.728	72900	.57	9.113	...	H1-...
31	MP3B	PIPE_...	.180	3.875	7	.060	3.875		7	37773.818	50715	3.596	3.596	...	H1-...
32	MP3C	PIPE_...	.178	3.875	11	.059	3.875		11	37773.818	50715	3.596	3.596	...	H1-...
33	MP3A	PIPE_...	.173	3.875	3	.058	2.438		3	37773.818	50715	3.596	3.596	2	H1-...
34	M193A	PIPE_...	.143	11.528	46	.062	1.667		7	25150.391	65205	5.749	5.749	...	H1-...
35	M94	PIPE_...	.136	1.667	7	.068	11.389		12	12795.813	50715	3.596	3.596	...	H1-...
36	M93	PIPE_...	.133	1.667	11	.067	11.389		4	12795.813	50715	3.596	3.596	...	H1-...
37	M92A	PIPE_...	.132	1.667	3	.067	11.389		8	12795.813	50715	3.596	3.596	...	H1-...
38	M193B	PIPE_...	.095	11.528	18	.059	1.667		3	25150.391	65205	5.749	5.749	...	H1-...
39	M194A	PIPE_...	.095	11.528	14	.060	1.667		11	25150.391	65205	5.749	5.749	...	H1-...
40	M80	PL3/8x6	.087	.112	1	.208	0	y	24	72311.05	72900	.57	9.113	...	H1-...
41	M91	PL3/8x6	.086	.112	1	.226	0	y	14	72311.05	72900	.57	9.113	...	H1-...
42	M181A	PL3/8x6	.085	.112	5	.211	0	y	16	72311.05	72900	.57	9.113	...	H1-...
43	M183A	PL3/8x6	.085	.112	5	.228	0	y	18	72311.05	72900	.57	9.113	...	H1-...
44	M159A	PL3/8x6	.085	.112	9	.208	0	y	20	72311.05	72900	.57	9.113	...	H1-...
45	M161A	PL3/8x6	.084	.112	9	.311	0	y	46	72311.05	72900	.57	9.113	...	H1-...
46	M86	PIPE_...	.078	2.5	5	.015	2.5		5	28843.414	32130	1.872	1.872	...	H1-...
47	M118	LL3x3x...	.072	6.25	17	.004	6.25	z	8	47077.787	70632	5.543	3.736	1	H1-...
48	M116	LL3x3x...	.071	6.25	13	.004	6.25	z	4	47077.787	70632	5.543	3.736	1	H1-...
49	M117	LL3x3x...	.071	6.25	21	.004	6.25	z	12	47077.787	70632	5.543	3.736	1	H1-...

Envelope AISI S100-16: ASD Cold Formed Steel Code Checks

	Member	Shape	Code...	Loc[ft]	LC	Shea...	Loc[ft]	Dir	LC	Pn/Om...	Tn/Om...	Mnyy/...	Mnzz/Om[k-ft]	Vny/...	Vnz/...	Cb	Eqn
1	M150B	3CU2X.2	.684	0	19	.347	2.368	z	2	26838....	37464....	.933	2.842	7500	11250	1.631	H1.1-2
2	M172A	3CU2X.2	.681	0	15	.345	2.368	z	11	26838....	37464....	.933	2.842	7500	11250	1.631	H1.1-2
3	M43	3CU2X.2	.681	0	23	.349	2.368	z	6	26838....	37464....	.933	2.842	7500	11250	1.631	H1.1-2
4	M149C	3CU2X.2	.674	2.583	23	.317	.215	z	3	26838....	37464....	.933	2.842	7500	11250	1.631	H1.1-2
5	M10	3CU2X.2	.673	2.583	15	.325	.215	z	7	26838....	37464....	.933	2.842	7500	11250	1.632	H1.1-2
6	M171A	3CU2X.2	.666	2.583	19	.321	.215	z	11	26838....	37464....	.933	2.842	7500	11250	1.632	H1.1-2

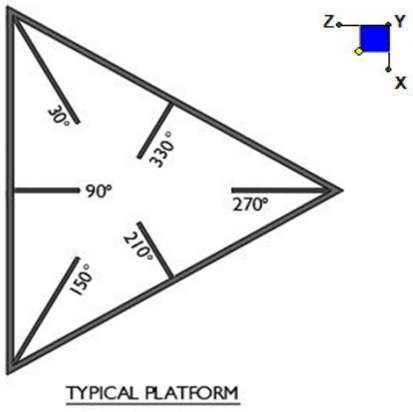
Client:	Verizon	Date:	6/28/2021
Site Name:	Barkhamsted NE CT		
Project No.	21777221A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

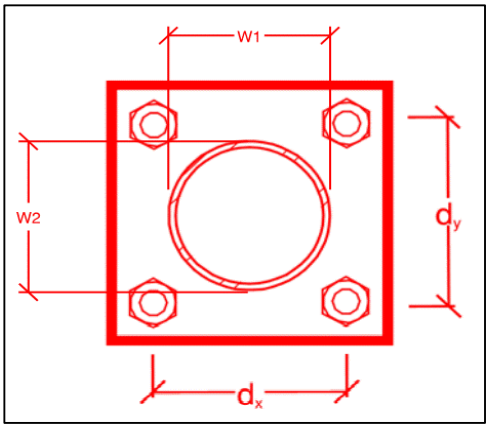
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N223A	30
N3	270
N250A	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.5
Required Tensile Strength (kips):	5.6
Required Shear Strength (kips):	1.6
Tensile Strength / bolt (kips):	13.3
Shear Strength / bolt (kips):	8.0
Tensile Capacity Overall:	**10.6%***
Shear Capacity Overall:	**4.9%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Round
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	3.5
W2 (in):	3.5
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	4
Phi*Rn (kip/in):	5.57
Required Weld Strength (kip/in):	1.85
Plate Bending Capacity:	**31.6%**
Weld Capacity:	**33.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	0.3
$Phi*Mn_{xx}$ *(kip-in)* :	20.3
Mu_{yy} *(kip-in)* :	6.1
$Phi*Mn_{yy}$ *(kip-in)* :	20.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide Maser Consulting Connecticut the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the 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:

- 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) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded to **https://pmi.vzwsmart.com** as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the modifications
  - Photos of the appropriate mount before and 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 each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (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, a tape drop measurement shall be provided before the elevation change
    - 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.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Contractor shall install 36" long P2.0 Std pipe connected to the existing standoff horizontal supporting the alpha and gamma sectors with a new crossover plate (VZWSmart-MSK2). Contractor shall install new safety climb wire rope guide(s) to the threaded rods of the existing/ proposed collar mount connections.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

Structure: 469117-VZW - BARKHAMSTED NE CT

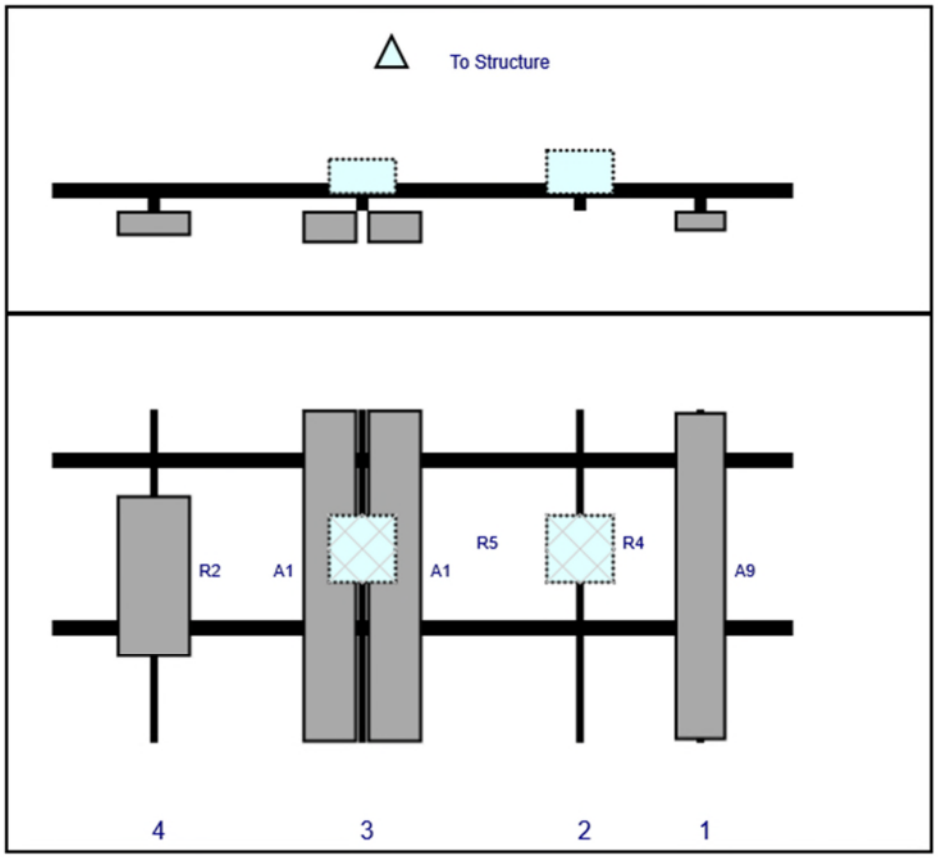
Sector: **A** 6/28/2021

Structure Type: Monopole 10044560

Mount Elev: 156.00 Page: 1

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A9	BXA-70063-6CF	71	11.2	140	1	a	Front	36	0	Retained	01/04/2021
R4	B2/B66A RRH-BR049	15	15	114	2	a	Behind	30	0	Added	
A1	NHH-65B-R2B	72	11.9	67	3	a	Front	36	7	Added	
A1	NHH-65B-R2B	72	11.9	67	3	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	67	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	22	4	a	Front	36	0	Added	

Structure: 469117-VZW - BARKHAMSTED NE CT

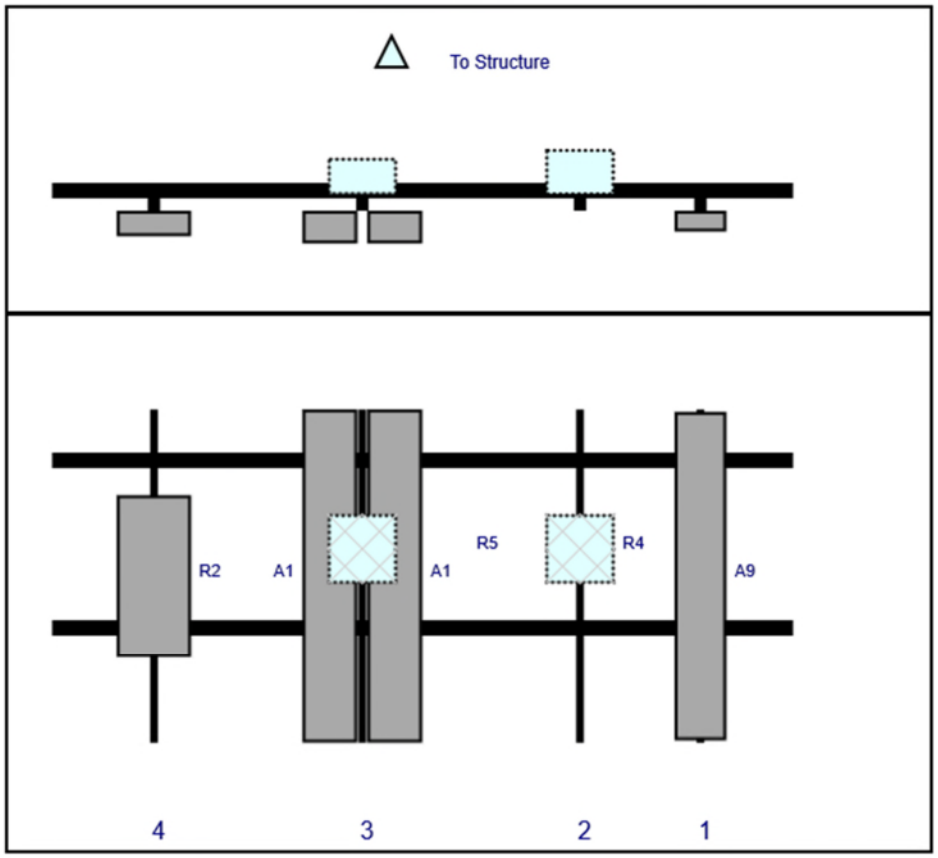
Sector: **B** 6/28/2021

Structure Type: Monopole 10044560

Mount Elev: 156.00 Page: 2

Plan View

Front View
Looking at Structure



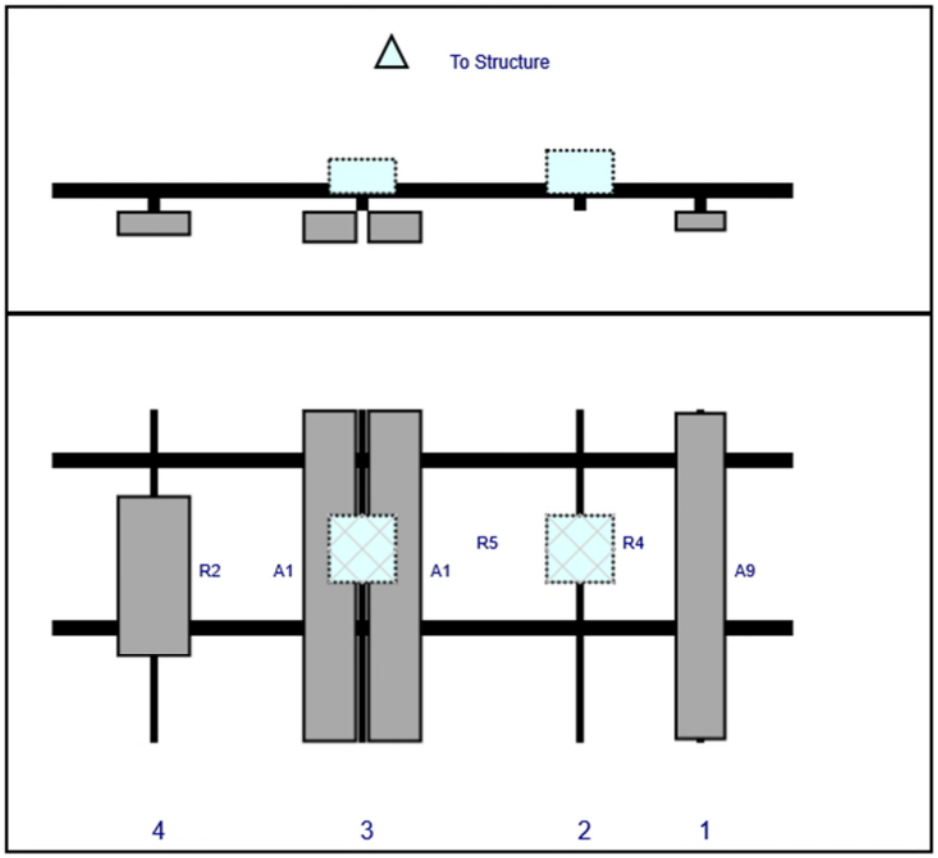
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A9	BXA-70063-6CF	71	11.2	140	1	a	Front	36	0	Retained	01/04/2021
R4	B2/B66A RRH-BR049	15	15	114	2	a	Behind	30	0	Added	
A1	NHH-65B-R2B	72	11.9	67	3	a	Front	36	7	Added	
A1	NHH-65B-R2B	72	11.9	67	3	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	67	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	22	4	a	Front	36	0	Added	

Structure: 469117-VZW - BARKHAMSTED NE CT

Sector:	C		6/28/2021
Structure Type:	Monopole	10044560	
Mount Elev:	156.00		Page: 3

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A9	BXA-70063-6CF	71	11.2	140	1	a	Front	36	0	Retained	01/04/2021
R4	B2/B66A RRH-BR049	15	15	114	2	a	Behind	30	0	Added	
A1	NHH-65B-R2B	72	11.9	67	3	a	Front	36	7	Added	
A1	NHH-65B-R2B	72	11.9	67	3	b	Front	36	-7	Added	
R5	B5/B13 RRH-BR04C	15	15	67	3	a	Behind	30	0	Added	
R2	MT6407-77A	35.1	16.1	22	4	a	Front	36	0	Added	

Maser Consulting Connecticut

Subject	TIA-222-H Usage	
Site Information	Site ID:	469117-VZW / BARKHAMSTED NE CT
	Site Name:	BARKHAMSTED NE CT
	Carrier Name:	Verizon Wireless
	Address:	44 Gavitt Rd. Barkhamsted, Connecticut 06063 Litchfield County
	Latitude:	41.946082°
	Longitude:	-72.911472°
Structure Information	Tower Type:	Monopole
	Mount Type:	13.33-Ft Platform

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Derek Hartzell, PE
Technical Specialist

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).

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MOUNT MODIFICATION DRAWINGS
13.33' PLATFORM

SITE NAME: BARKHAMSTED NE CT
SITE NUMBER: 469117

44 GAVITT RD.
BARKHAMSTED, CT 06063
LITCHFIELD COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 41.946082° N
LONGITUDE: 72.911472° W
JURISDICTION: LITCHFIELD COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: PETER ALBANO
PHONE: 856-797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

SHEET	DESCRIPTION
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S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
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S-7	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10067783
VZW LOCATION CODE (PSLC): 469117
FUZE ID: 16272089

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT
SMART TOOL PROJECT #: 10044560
MASER CONSULTING PROJECT #: 21777221A
ANALYSIS DATE: 4/26/2021

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SCALE: AS SHOWN | JOB NUMBER: 21777221A

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-	-	-	-	-
-	-	-	-	-
0	07/02/2021	ISSUED FOR CONSTRUCTION	JRF	DL

Digitally signed by Derek R. Hartzell
Date: 2021.07.02 12:32:11-04'00'

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SITE NAME:
BARKHAMSTED NE CT
469117
44 GAVITT RD.
BARKHAMSTED, CT 06063
LITCHFIELD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
VZWSMART KITS				
15	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE	
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET	
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
OTHER REQUIRED PARTS				
3	-	-	160" LONG, P2.5 STD PIPE	GALVANIZED
3	-	-	30" LONG, L3X3X1/4	GALVANIZED. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3	-	-	72" LONG, P2.5 STD PIPE	GALVANIZED

NOTE: 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
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

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LITCHFIELD COUNTY

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2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: BILL OF MATERIALS

SHEET NUMBER: S-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

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.

DESIGN LOADS

WIND LOADS
- a. BASIC WIND SPEED (3 SECOND GUST), V = 115 MPH
- b. EXPOSURE CATEGORY B
- c. TOPOGRAPHIC CATEGORY 1
- d. MEAN BASE ELEVATION (AMSL) = 1135.58'

ICE LOADS
- a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
- b. ICE THICKNESS = 1.50 IN

SEISMIC LOADS
- a. SEISMIC DESIGN CATEGORY B
- b. SHORT TERM MCER GROUND MOTION, S_S = .169
- c. LONG TERM MCER GROUND MOTION, S_1 = .054

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. 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.
9. 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.
10. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE. MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.
11. 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.
12. GALVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
13. ALL NEW STEEL SHALL BE HOT BE DIPPED GALVANIZED FOR FULL WEATHER PROTECTION. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROTECT STEEL BY ANY OTHER MEANS.
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.

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469117
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LITCHFIELD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MI INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

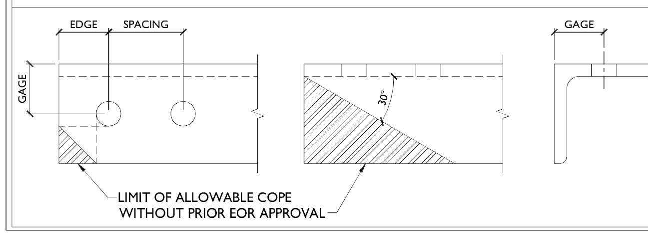
REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

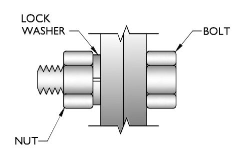
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING



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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-	-	-	-	-
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Date: 2021.07.02 12:32:24-04'00'

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469117

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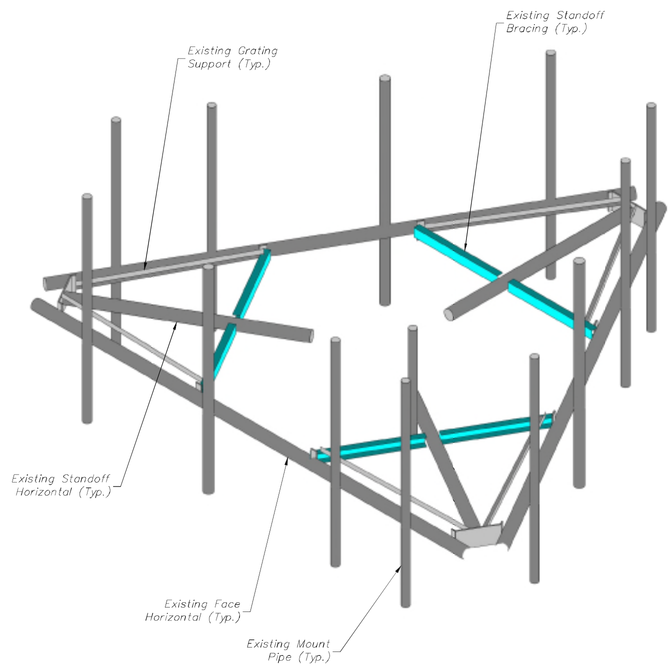
LITCHFIELD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION NOTES

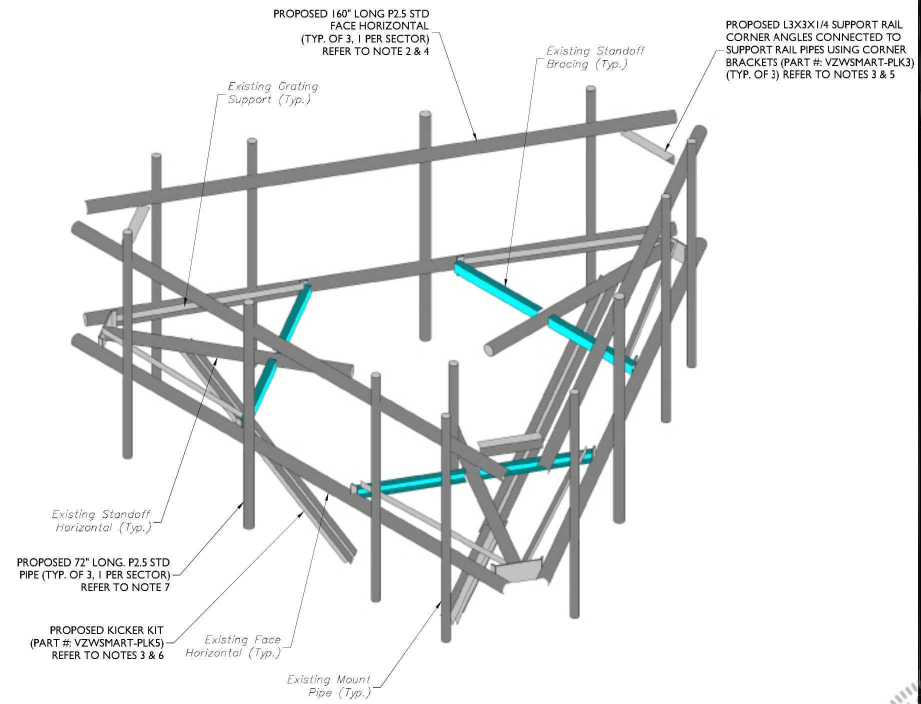
SHEET NUMBER:
S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY ROAMING NETWORKS INC. ON 1/4/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (156'-0") ARE IN GOOD CONDITION. MASER 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.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. 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.
3. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
4. CONNECT NEW HORIZONTAL TO ALL EXISTING AND NEW MOUNT PIPES WITH CROSSOVER PLATES (PART #:VZWSMART-MSK1).
5. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
6. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
7. CONNECT NEW ANTENNA MOUNT PIPE TO EXISTING HORIZONTAL USING CROSSOVER PLATES (PART #: VZWSMART-MSK1)

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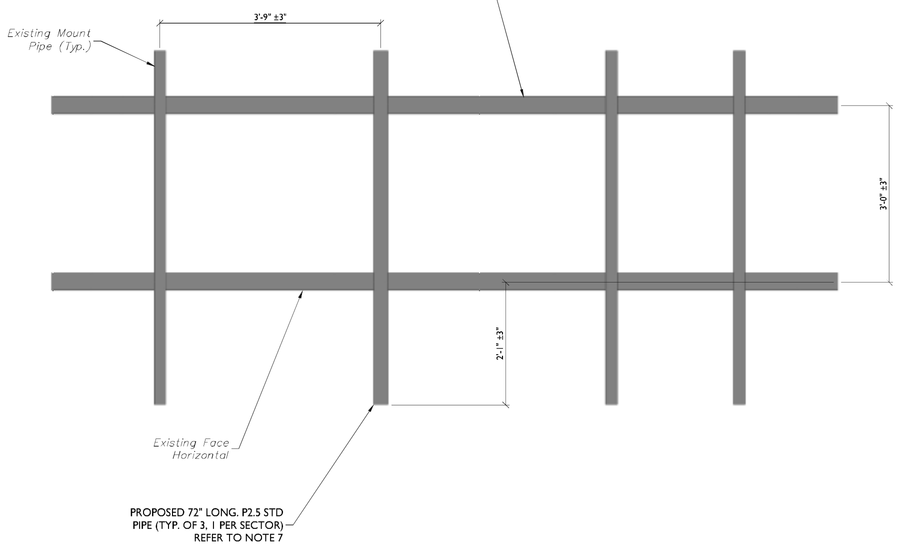
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-4

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

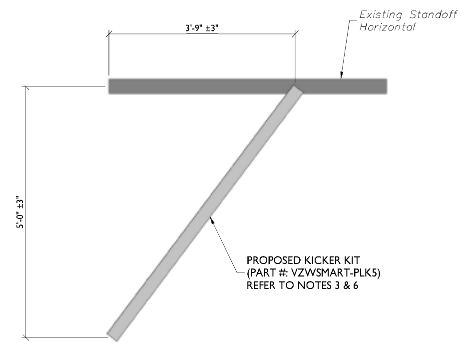


(1) PROPOSED FRONT ELEVATION VIEW (TYP. EACH SECTOR)

SCALE : N.T.S.

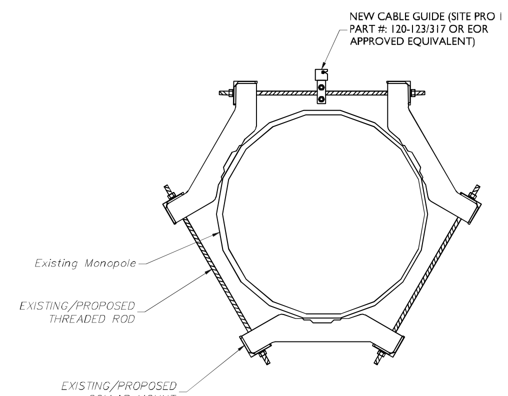
MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. 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.
3. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
4. CONNECT NEW HORIZONTAL TO ALL EXISTING AND NEW MOUNT PIPES WITH CROSSOVER PLATES (PART #:VZWSMART-MSK1).
5. CONTRACTOR SHALL CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS, (4) BOLTS PER CONNECTION.
6. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
7. CONNECT NEW ANTENNA MOUNT PIPE TO EXISTING HORIZONTAL USING CROSSOVER PLATES (PART #: VZWSMART-MSK1)



(2) PROPOSED SIDE ELEVATION VIEW (TYP. EACH SECTOR)

SCALE : N.T.S.



(3) PROPOSED SAFETY CLIMB ON COLLAR DETAIL

SCALE : N.T.S.

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STATE OF CONNECTICUT DEREK R. HARTZELL 32710 LICENSED PROFESSIONAL ENGINEER

Derek Hartzell

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SHEET TITLE: MODIFICATION DETAILS

SHEET NUMBER: S-5

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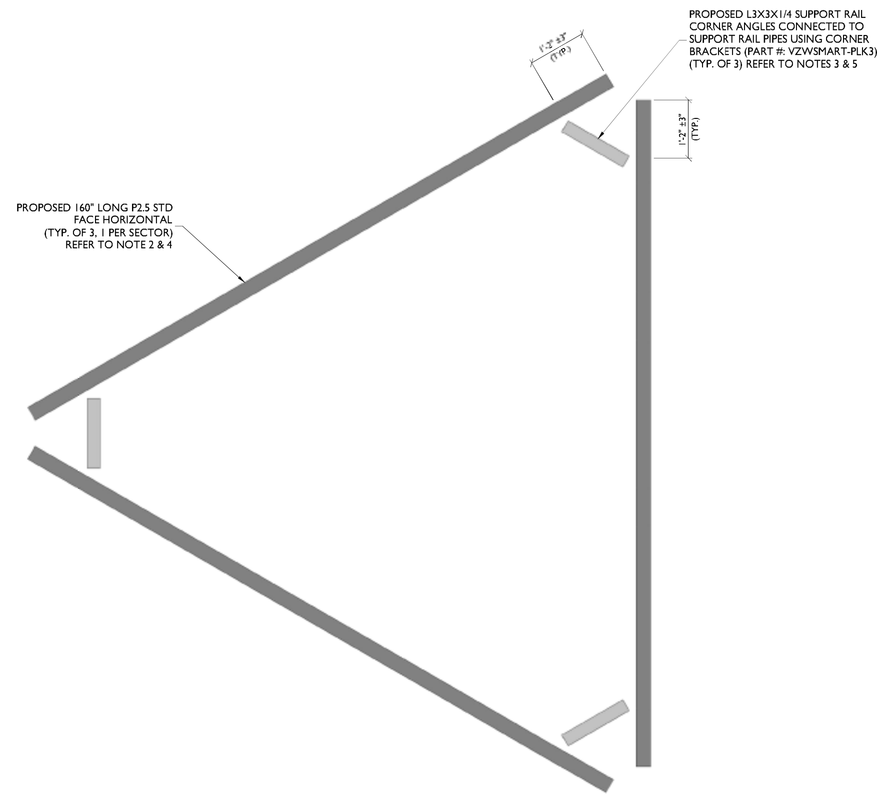

1 PROPOSED FRAME PLAN VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
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6. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
7. CONNECT NEW ANTENNA MOUNT PIPE TO EXISTING HORIZONTAL USING CROSSOVER PLATES (PART #: VZWSMART-MSK1)

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SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-6

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MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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-	-	-	-	-
0	07/02/2021	ISSUED FOR CONSTRUCTION	JRF	DL

STATE OF CONNECTICUT DEREK R. HARTZELL 32710 LICENSED PROFESSIONAL ENGINEER

Derek R. Hartzell
LICENSE NUMBER: 32710
MASER CONSULTING
CT COA #: PEC.0001313

Digitally signed by Derek R. Hartzell
Date: 2021.07.02 12:32:27-04'00'

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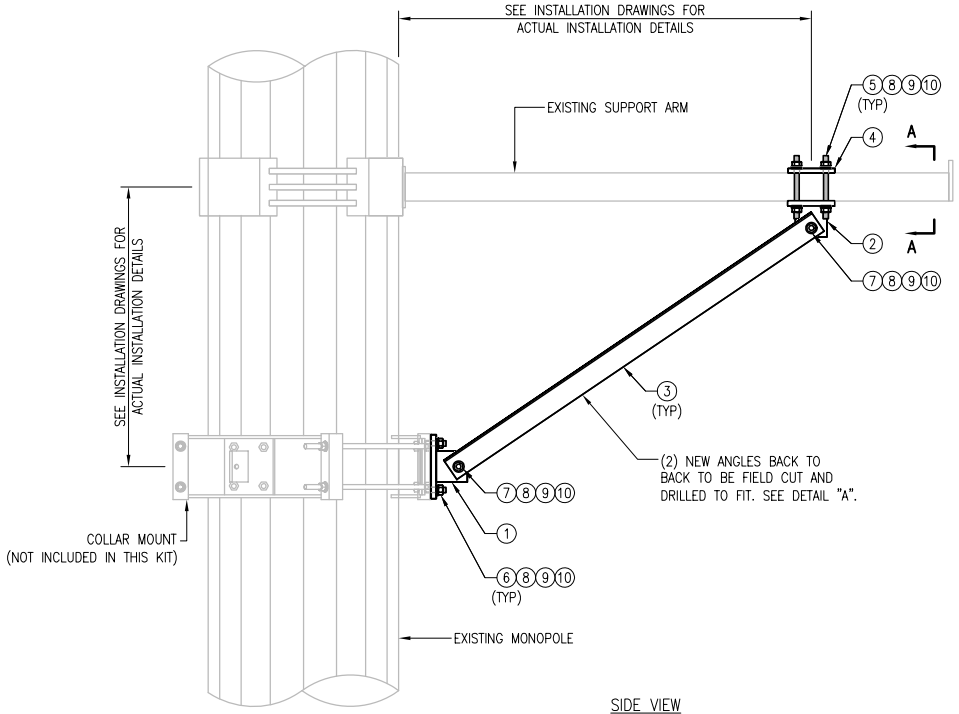
Fax: 856.722.1120

SHEET TITLE:
MOUNT PHOTOS

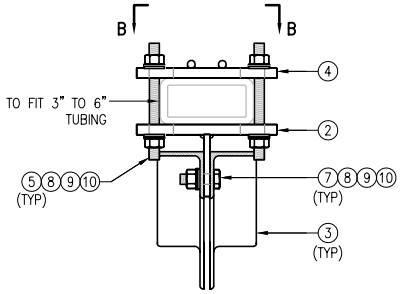
SHEET NUMBER:
S-7

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

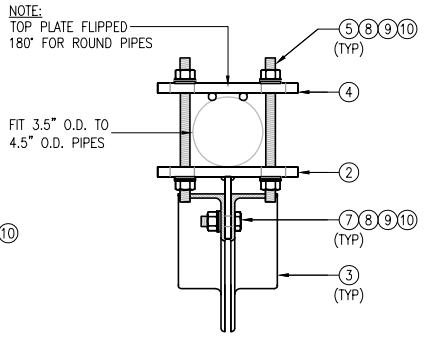
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



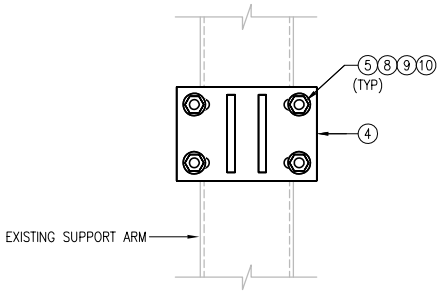
SIDE VIEW
KICKER KIT



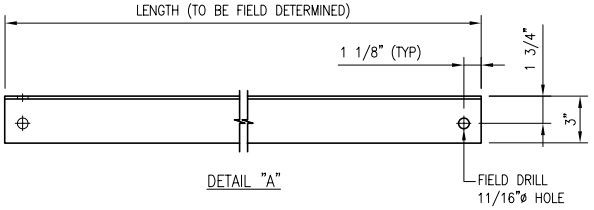
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

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
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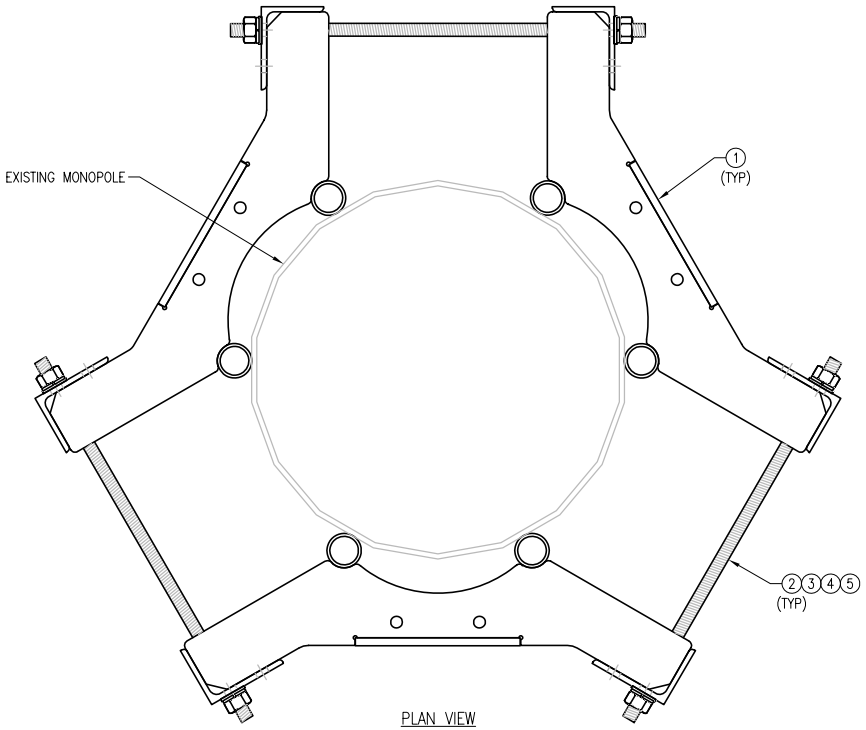
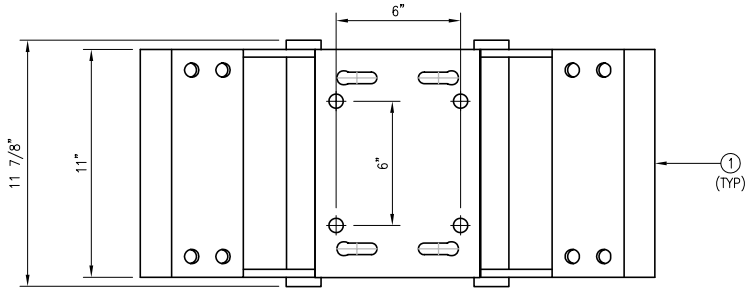
SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

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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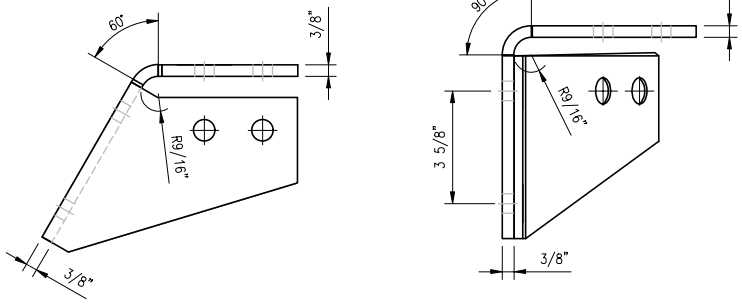
DRAWN BY: BT | CHECKED BY: HMA/KW

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

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

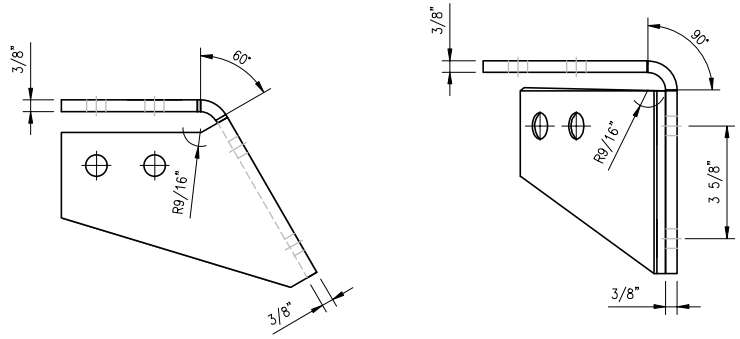
SHEET NUMBER: VZWSMART-PLK7

REV #: 0



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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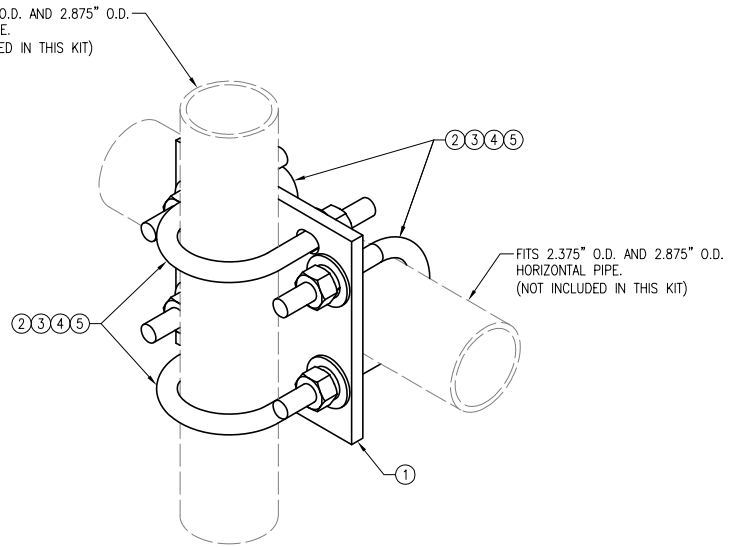
DRAWN BY: H.R | CHECKED BY: HMA

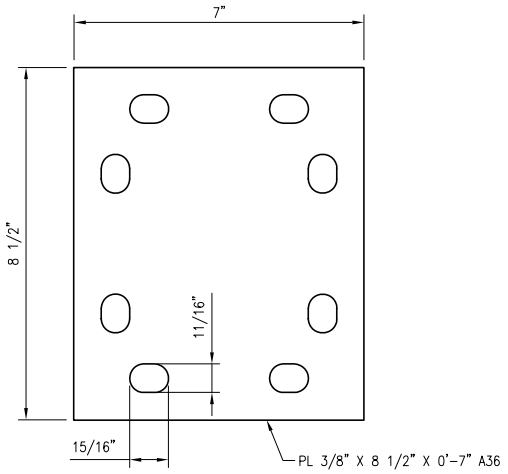
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER BRACKET

SHEET NUMBER: VZWSMART-PLK3

REV #: 0





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.

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R	CHECKED BY: HMA

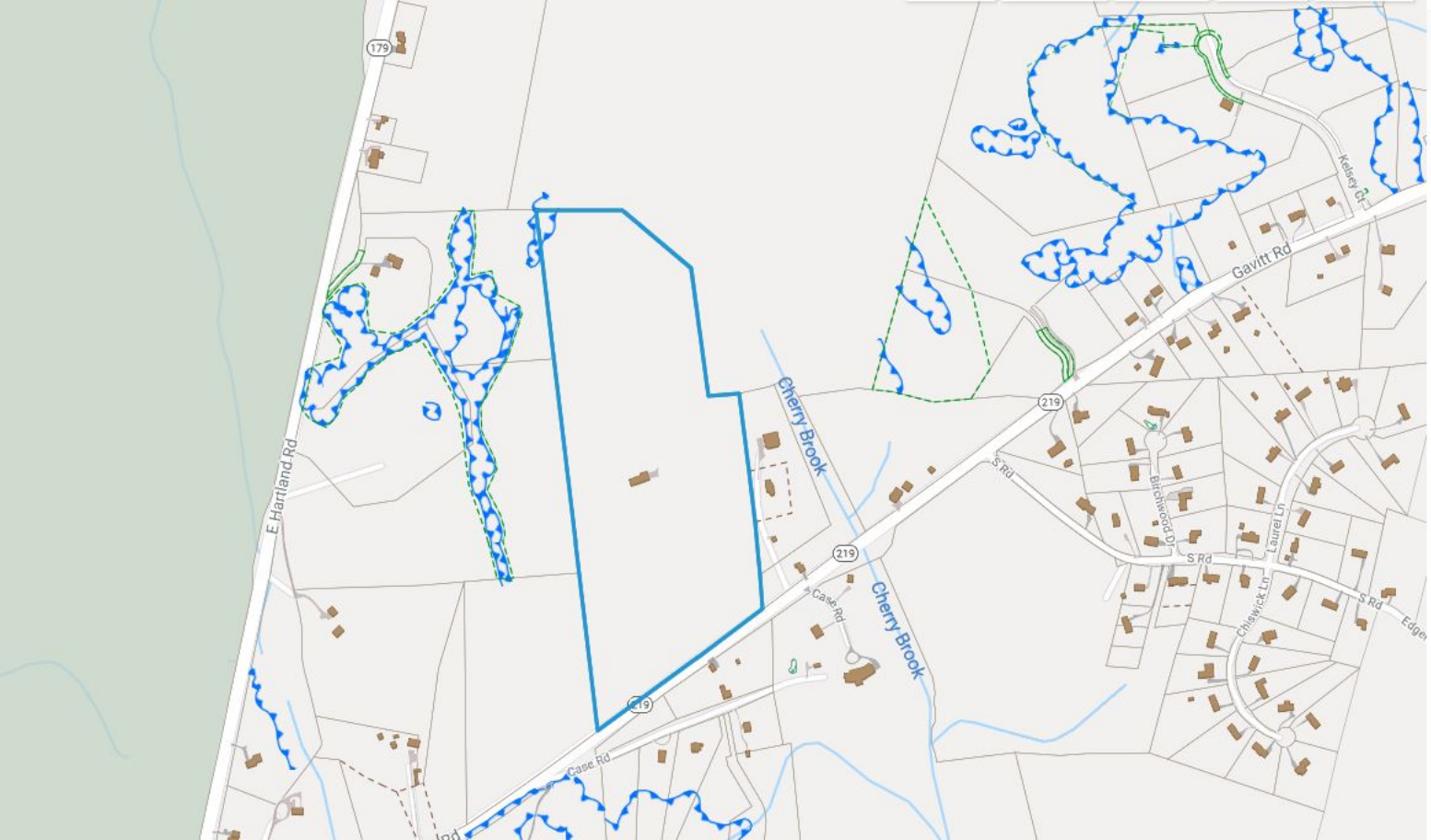
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK1	0

ATTACHMENT 5



Advanced Search

Download Results | More

Showing 1-1 results. Scroll to see more.

44 GAVITT RD
LANGER KAREN J & RICHARD J
26-33-15A

Property Location 44 GAVITT RD | Map ID 26/ 33/ 15/A / | Bldg Name | State Use 101
Vision ID 616 | Account # 00061500 | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 2 | Print Date 2/4/2021 12:07:46 PM

CURRENT OWNER

LANGER KAREN J & RICHARD J

44 GAVITT RD

BARKHAMSTED CT 06063

TOPO	UTILITIES	STRT / ROAD	LOCATION
4 Rolling		1 Public	

SUPPLEMENTAL DATA

Alt Prcl ID 26-33-15A	DV Lot #
B.P. Status	Solar Ener
Census Tr.	BAA
Interior	Callback
100 Yr Flo	PA490 Dat 3/18/1977
DV Map #	
GIS ID	Assoc Pid#

CURRENT ASSESSMENT

Description	Code	Appraised	Assessed
RES LAND	1-1	70,810	49,570
DWELLING	1-3	270,880	189,620
IND LAND	3-1	235,000	164,500
IND IMPR	3-3	15,600	10,920
FOREST	6-2	135,560	5,690
	Total	727,850	420,300

6005

BARKHAMSTED, CT

VISION

RECORD OF OWNERSHIP

RECORD OF OWNERSHIP	BK-VOL/PAGE		SALE DATE	Q/U	V/I	SALE PRICE	VC
LANGER KAREN J & RICHARD J	0110	0799	02-14-2001		V	0	
LANGER KAREN J	0099	1014	09-09-1996		V	41,250	

PREVIOUS ASSESSMENTS (HISTORY)

Year	Code	Assessed	Year	Code	Assessed	Year	Code	Assessed
2020	1-1	49,570	2019	1-1	49,570	2018	1-1	49,570
	1-3	189,620		1-3	189,620		1-3	189,620
	3-1	164,500		3-1	164,500		3-1	164,500
	3-3	10,920		3-3	10,920		3-3	10,920
	6-2	5,690		6-2	5,690		6-2	5,690
	Total	420300		Total	420300		Total	420300

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	Street Index Name	Tracing	Batch
0001				

APPRAISED VALUE SUMMARY

Appraised Bldg. Value (Card)	270,880
Appraised Xf (B) Value (Bldg)	0
Appraised Ob (B) Value (Bldg)	15,600
Appraised Land Value (Card)	441,370
Total Appraised Parcel Value	727,850
Valuation Method	C
Total Appraised Parcel Value	727,850

NOTES

RD 30'

2010 = LAND LEASE AREA FOR CELL TOWER

2011 UC = 70%

7/12/2012 CO = GARAGE UC

10/2012 = 95% (NO GARAGE DOORS)

POST & BEAM

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments
19-342-E	11-18-2019	EL		25,000		0		modify telecomm tower: repl 9
2398	05-15-2013	EL	Electric	3,500				FOR EQUIPMENT SHELTER
13-05-18	05-06-2013	OT	Other	224,000			07-30-2013	INSTALL 12'X30' PREFAB EQ
13-01-06	01-23-2013	OT	Other	25,000				3 new antennas etc
280	11-17-2011	OT	Other	3,000	07-12-2012	100		underground 1000 gal tank
247	10-21-2011	WS	Wood Stve	2,000	07-12-2012	100	10-26-2011	
984	05-25-2011	PL	Plumbing	12,000	07-12-2012	100	10-12-2012	

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result
05-12-2020	AL	4	0	06	Phone Call Verify Info
06-28-2018	MVS			33	Datamailer sent
08-12-2013	ES		2	12	Permit - Measure Exterior
07-02-2013	FB		1	20	Info at assessors office
10-02-2012	FB	3		50	Field Review
07-12-2012	FB	3	1	00	Meas. and List
08-17-2011	FB			11	Permit - Exterior Inspect

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	Size Adj	Site Index	Cond.	Nbhd.	Nbhd. Adj.	Notes	Special Use		Location Adjustment	Adj Unit Pri	Land Value
1	101	Single Family	RA-2		2.000	AC	61,963	0.57142	5	1.00	5	1.000			0	1.00		70,810
1	610	Forest	RA-2		33.890	AC	4,000	1.00000	0	1.00		1.000	PENALTY EXP 03/18/1987	490	240	1.00		135,560
		Total Card Land Units			35.890	AC	Parcel Total Land Area			36.0000		AC				Total Land Value		206,370

Property Location 44 GAVITT RD | Map ID 26/ 33/ 15/A / | Bldg Name | State Use 101
Vision ID 616 | Account # 00061500 | Bldg # 1 | Sec # 1 of 1 | Card # 1 of 2 | Print Date 2/4/2021 12:07:47 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	04	Cape Cod
Model	01	Residential
Grade:	11	B
Occupancy	1	
Exterior Wall 1	25	Vinyl Siding
Exterior Wall 2	08	Wood
Roof Structure:	03	Gable
Roof Cover	07	Arch. Shingles
Interior Wall 1	05	Drywall
Interior Wall 2		
Interior Flr 1	09	Pine/Soft Wood
Interior Flr 2		
Heat Fuel	03	Gas
Heat Type:	08	Radiant
AC Type:		
Total Bedrooms	02	2 Bedrooms
Total Bthrms:	3	3 Full
Total Half Baths	0	
Total Rooms:	6	
Bath Style:	02	Average
Kitchen Style:	02	Average
Fireplace	1	
Whirlpool Tubs		
Fin Basement		
Fin Bsmt Qual		
Bsmt. Garages		

CONSTRUCTION DETAIL (CONTINUED)

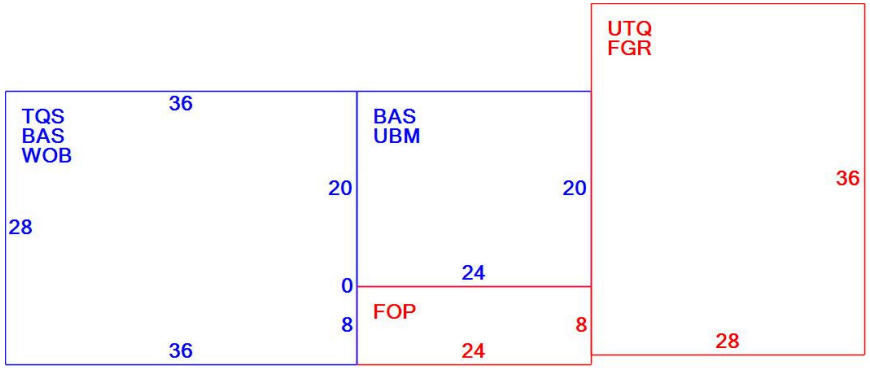
Element	Cd	Description

MIXED USE

Code	Description	Percentage
101	Single Family	100
		0
		0

COST / MARKET VALUATION

Adj. Base Rate	86.25
RCN	291,271
Year Built	2011
Depreciation Code	A
Remodel Rating	
Year Remodeled	
Depreciation %	7
Functional Obsol	
External Obsol	
Cost Trend Factor	1
Condition	
Condition %	
Percent Good	93
RCNLD	270,880
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	



OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Cod	Description	Sub	Sub Desc	L/B	Units	Unit Price	Yr Blt	Cond.	% Gd	Grade	Grd A	Appr. Valu

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area
BAS	First Floor	1,488	1,488
FGR	Garage	0	1,008
FOP	Framed Open Porch	0	192
TQS	Three Quarter Story	907	1,008
UBM	Unfin Basement	0	480
UTQ	Unfin Three Qrt St	0	1,008
WOB	Walk Out Bsmt.	0	1,008
	Ttl Gross Liv / Lease Area	2,395	6,192

Property Location 44 GAVITT RD | Map ID 26/ 33/ 15/A / | Bldg Name | State Use 101
Vision ID 616 | Account # 00061500 | Bldg # 2 | Sec # 1 of 1 | Card # 2 of 2 | Print Date 2/4/2021 12:07:47 PM

CURRENT OWNER

LANGER KAREN J & RICHARD J

44 GAVITT RD

BARKHAMSTED CT 06063

TOPO	UTILITIES	STRT / ROAD	LOCATION
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SUPPLEMENTAL DATA

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B.P. Status	Solar Ener
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100 Yr Flo	PA490 Dat 3/18/1977
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GIS ID	Assoc Pid#

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6005

BARKHAMSTED, CT

VISION

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	3-1	164,500		3-1	164,500		3-1	164,500
	3-3	10,920		3-3	10,920		3-3	10,920
	6-2	5,690		6-2	5,690		6-2	5,690
	Total	420300		Total	420300		Total	420300

EXEMPTIONS

Year	Code	Description	Amount
		Total	0.00

OTHER ASSESSMENTS

Code	Description	Number	Amount	Comm Int

This signature acknowledges a visit by a Data Collector or Assessor

ASSESSING NEIGHBORHOOD

Nbhd	Nbhd Name	Street Index Name	Tracing	Batch
0001				

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Appraised Ob (B) Value (Bldg)	15,600
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Valuation Method	C
Total Appraised Parcel Value	727,850

NOTES

8/2013 VOL 162/832 SBA TOWERS V LLC

VERIZON=12X30 PRE FAB SHELTER, 12 PANEL

ANTENNA & GENERATOR

AT&T= 12X20 MASONARY SHLTER

SBA OWNS TOWER, SITE ID# CT11709

TOWER ASSESSED AS PERS PROP

BUILDING PERMIT RECORD

Permit Id	Issue Date	Type	Description	Amount	Insp Date	% Comp	Date Comp	Comments

VISIT / CHANGE HISTORY

Date	Id	Type	Is	Cd	Purpost/Result

LAND LINE VALUATION SECTION

B	Use Code	Description	Zone	Land Type	Land Units		Unit Price	Size Adj	Site Index	Cond.	Nbhd.	Nbhd. Adj.	Notes	Special Use		Location Adjustment	Adj Unit Pri	Land Value
2	350	Cell Tower			0.110	AC	73,080	1.00000		1.00		1.000	CELL TOWER SITE		0	0.99		235,000
		Total Card Land Units			0.110	AC	Parcel Total Land Area			36.0000		AC					Total Land Value	235,000

Property Location 44 GAVITT RD | Map ID 26/ 33/ 15/A / | Bldg Name | State Use 101
Vision ID 616 | Account # 00061500 | Bldg # 2 | Sec # 1 of 1 | Card # 2 of 2 | Print Date 2/4/2021 12:07:48 PM

CONSTRUCTION DETAIL

Element	Cd	Description
Style:	94	Outbuildings
Model	00	Vacant
Grade:		
Occupancy		
Exterior Wall 1		
Exterior Wall 2		
Roof Structure:		
Roof Cover		
Interior Wall 1		
Interior Wall 2		
Interior Flr 1		
Interior Flr 2		
Heat Fuel		
Heat Type:		
AC Type:		
Total Bedrooms		
Total Bthrms:		
Total Half Baths		
Total Rooms:		
Bath Style:		
Kitchen Style:		
Fireplace		
Whirlpool Tubs		
Fin Basement		
Fin Bsmt Qual		
Bsmt. Garages		

CONSTRUCTION DETAIL (CONTINUED)

Element	Cd	Description

MIXED USE

Code	Description	Percentage
350	Cell Tower	100
		0
		0

COST / MARKET VALUATION

Adj. Base Rate	0
RCN	
Year Built	
Depreciation Code	
Remodel Rating	
Year Remodeled	
Depreciation %	
Functional Obsol	
External Obsol	
Cost Trend Factor	1
Condition	
Condition %	
Percent Good	
RCNLD	
Dep % Ovr	
Dep Ovr Comment	
Misc Imp Ovr	
Misc Imp Ovr Comment	
Cost to Cure Ovr	
Cost to Cure Ovr Comment	

No Sketch

OB - OUTBUILDING & YARD ITEMS(L) / XF - BUILDING EXTRA FEATURES(B)

Cod	Description	Sub	Sub Desc	L/B	Units	Unit Price	Yr Blt	Cond.	% Gd	Grade	Grd A	Appr. Valu
SHD	Cell Equip	FR	Frame	L	240	26.00	2013		100		0.00	6,240
SHD	Cell Equip	FR	Frame	L	360	26.00	2013		100		0.00	9,360

BUILDING SUB-AREA SUMMARY SECTION

Code	Description	Living Area	Gross Area
	Ttl Gross Liv / Lease Area	0	0

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

BARKHAMSTED NE

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 09/20/2021 US POSTAGE $002.99 ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS SEP 20 2021 OLD STATE HOUSE STATION 06103

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Donald S. Stein, First Selectman Town of Barkhamsted 67 Ripley Hill Road Barkhamsted, CT 06063				
2.	Debra Brydon, Administrator Building and Inland/Wetlands Town of Barkhamsted 67 Ripley Hill Road Barkhamsted, CT 06063				
3.	Karen and Richard Langer 44 Gavitt Road Barkhamsted, CT 06063				
4.					
5.					
6.					