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Also admitted in Massachusetts
and New York

August 12, 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**
60 Commerce Drive (a/k/a 56 Commerce Drive), Trumbull, 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 use of the tower were approved by the Siting Council in June of 2014 (Docket No. 446). A copy of Siting Council's Docket No. 446 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by removing nine (9) existing antennas and installing three (3) new Samsung MT6407-77A antennas; and six (6) QS6656-5D antennas. Cellco will also remove nine (9) existing remote radio heads ("RRHs") and install six (6) new RRHs all on Cellco's existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and new antennas and RRHs 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 Trumbull'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. Cellco's replacement antennas will be installed on Cellco's existing antenna platform.

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 and RRHs will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A 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 mounts 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:
Vicki A. Tesoro, Trumbull First Selectman
Roberto Librandi, Trumbull Land Use Planner
Make-A-Wish Foundation of CT Inc., Property Owner
Aleksey Tyurin

ATTACHMENT 1

DOCKET NO. 446 - Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located at the Pilot Corporation of America property, Trumbull Tax Assessor Map K/09 Lot 20, 60 Commerce Drive, Trumbull, Connecticut.	}	Connecticut Siting Council June 26, 2014

Decision and Order

Pursuant to Connecticut General Statutes §16-50p and the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, maintenance, and operation 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 Cellco Partnership d/b/a Verizon Wireless, hereinafter referred to as the Certificate Holder, for a telecommunications facility at the Pilot Corporation of America property, Trumbull Tax Assessor Map K/09 Lot 20, 60 Commerce Drive, Trumbull, Connecticut

Unless otherwise approved by the Council, 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 the Certificate Holder and other entities, both public and private, but such tower shall not exceed a height of 80 feet above ground level.

2. 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 Towns of Trumbull and Stratford 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, emergency backup generator and landscaping;
    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; and,
    c) details of the box turtle protection program, as per the Department of Energy and Environmental Protection's recommendation.

3. Prior to the commencement of operation, the Certificate Holder shall 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.

4. 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.

5. 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.

6. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed with at least one fully operational wireless telecommunications carrier providing wireless service 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. 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.

7. Any request for extension of the time period referred to in Condition 6 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 Towns of Trumbull and Stratford. Any proposed modifications to this Decision and Order shall likewise be so served.

8. 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 within 90 days from the one year period of cessation of service. The Certificate Holder may submit a written request to the Council for an extension of the 90 day period not later than 60 days prior to the expiration of the 90 day period.

9. Any nonfunctioning antenna, and associated antenna mounting equipment, on this facility shall be removed within 60 days of the date the antenna ceased to function.

10. 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.

11. The Certificate Holder shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v.

12. This Certificate may be transferred in accordance with Conn. Gen. Stat. §16-50k(b), provided both the Certificate Holder/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the Certificate Holder/transferor and the transferee shall provide the Council a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

13. The Certificate Holder shall maintain the facility and associated equipment, including but not limited to, the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line and landscaping in a reasonable physical and operational condition that is consistent with this Decision and Order and a Development and Management Plan to be approved by the Council.

14. If the Certificate Holder is a wholly-owned subsidiary of a corporation or other entity and is sold/transferred to another corporation or other entity, the Council shall be notified of such sale and/or transfer and of any change in contact information for the individual or representative responsible for management and operations of the Certificate Holder within 30 days of the sale and/or transfer.

15. This Certificate may be surrendered by the Certificate Holder upon written notification and approval by the Council.

We hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed in the Service List, dated February 26, 2014, and notice of issuance published in the Connecticut Post.

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.

ATTACHMENT 2

WIRELESS COMMUNICATIONS FACILITY

TRUMBULL SE 4 CT
60 COMMERCE DRIVE
TRUMBULL, CT 06611

DRAWING INDEX

SITE DIRECTIONS

START: 20 ALEXANDER DRIVE
WALLINGFORD, CONNECTICUT 06492

END: 60 COMMERCE DRIVE
TRUMBULL, CT 06611

1.	HEAD SOUTH TOWARD ALEXANDER DRIVE	279 FT
2.	SLIGHT RIGHT TOWARD ALEXANDER DRIVE	289 FT
3.	TURN RIGHT TOWARD 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 LEFT ONT CT-68 W	0.4 MI
7.	TURN RIGHT ONTO US-5 N / N. COLONY RD	0.4 MI
8.	TURN LEFT TO MERGE ONTO CT-15 S TOWARD NEW HAVEN	0.3 MI
9.	MERGE ONTO CT-15 S	26.2 MI
10.	TAKE EXIT 52 FOR CT-8 N TOWARD WATERBURY	0.7 MI
11.	MERGE ONTO CT-8 N	0.7 MI
12.	TAKE EXIT 11 FOR HUNTINGTON RD	0.2 MI
13.	TURN RIGHT ONTO HUNTINGTON RD	243 FT
14.	TURN RIGHT ONTO MERRITT BLVD	0.8 MI
15.	TURN LEFT ONTO COMMERCE DRIVE (DESTINATION AT END)	0.1 MI

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

SITE INFORMATION

VZ SITE NAME: TRUMBULL SE 4 CT
VZ PROJ FUZE I.D.: 16231964
VZ LOCATION CODE: 469122
VZ PROJECT CODE: 20202198928
LOCATION: 60 COMMERCE DRIVE
TRUMBULL, CT 06611

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

MAP/BLOCK/LOT: K/09/20

ZONING DISTRICT: I-L3 (LIGHT INDUSTRY - 3 ACRES)

LATITUDE: 41° 14' 44.20" N (41.245611° N)

LONGITUDE: 73° 08' 44.11" W (73.145586° W)

SITE COORDINATES AND GROUND ELEVATION OBTAINED FROM GOOGLE EARTH.

GROUND ELEVATION: 170'± AMSL

PROPERTY OWNER: MAKE-A-WISH FOUNDATION OF CT INC
56 COMMERCE DRIVE
TRUMBULL, CT 06611

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 CORP., P.C.
567 VAUXHALL STREET EXTENSION - SUITE 311
WATERFORD, CT 06385
(860) 663-1697

VERIZON SMART TOOL PROJECT #: 10018013; 10030192

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	03/26/21	FOR REVIEW: JRM
1	05/11/21	FOR FILING: JRM
2	08/03/21	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: MAKE-A-WISH FOUNDATION
ADDRESS: OF CT INC 56 COMMERCE DRIVE TRUMBULL, CT 06611

TRUMBULL SE 4 CT

SITE ADDRESS: 60 COMMERCE DRIVE TRUMBULL, CT 06611

APT FILING NUMBER: CT141_11990

DRAWN BY: THK
DATE: 03/26/21 CHECKED BY: JRM

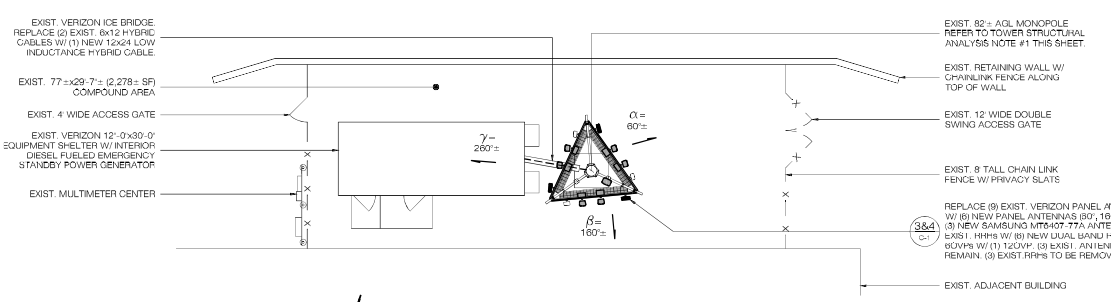
VZ PROJECT CODE: 20202198928
VZ LOCATION CODE: 469122
VZ FUZE ID: 16231964

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

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

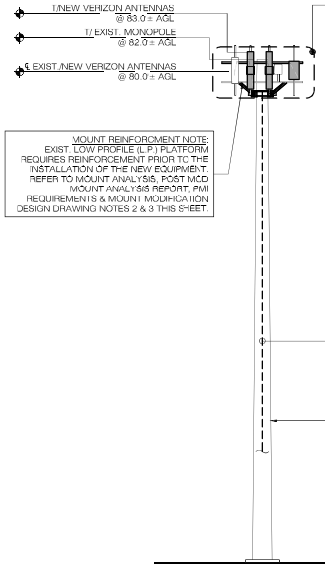


1 COMPOUND PLAN
C-1 SCALE : 1" = 10'-0"

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

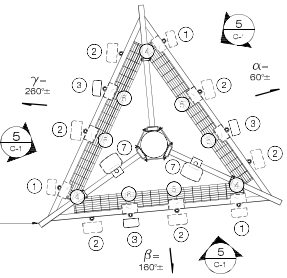
NOTES:

1. REFER TO MONOPOLE TOWER STRUCTURAL ANALYSIS REPORT PREPARED BY ALL-POINTS TECH. CORP., P.C. DATED 08/03/21 AVAILABLE UNDER SEPARATE COVER.
2. REFER TO MOUNT ANALYSIS REPORT PREPARED BY MASER CONSULTING, P.A., PROJECT #20777302A MARKED REV0, DATED 12/11/20 AVAILABLE UNDER SEPARATE COVER.
3. REFER TO POST MOD MOUNT ANALYSIS REPORT, PMI REQUIREMENTS & MOUNT MODIFICATION DESIGN DRAWINGS PREPARED BY MASER CONSULTING, P.A., PROJECT #20777302A, MARKED REV0, DATED 01/13/21 AVAILABLE UNDER SEPARATE COVER.
4. BASE MAPPING FROM FIELD MEASUREMENTS TAKEN BY ALL POINTS TECH. CORP., P.C. ON 01/16/21.
5. PROJECT SCOPE INCLUDES THE FOLLOWING:
   - REPLACEMENT OF (6) EXIST. PANEL ANTENNAS w/ (6) NEW PANEL ANTENNAS.
   - REPLACEMENT OF (3) EXIST. PANEL ANTENNAS w/ (3) NEW SAMSUNG MT6407-77A ANTENNAS.
   - RELOCATION OF (3) EXISTING PANEL ANTENNAS (TO REMAIN AS SPARES).
   - REPLACEMENT OF (6) EXIST. RRHs w/ (6) NEW DUAL BAND RRHs.
   - REPLACEMENT OF (2) EXIST. 6OVPs w/ (1) NEW 12OVP.
   - REPLACEMENT OF (2) EXIST. 6x12 HYBRID CABLES W/ (1) 12x24 LOW INDUCTANCE HYBRID CABLE.
   - REMOVAL OF (3) EXIST. RRHs.
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.
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 NON SAMSUNG MT6407-77A ANTENNAS & APPURTENANCES TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE) COORDINATE W/ VERIZON CONSTRUCTION MANAGER & BUILDING OWNER.

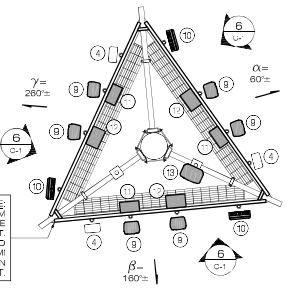


2 TOWER ELEVATION
C-1 SCALE : 1" = 10'-0"

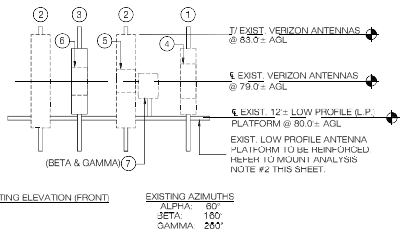
10' SCALE: 1 INCH= 10'-0"



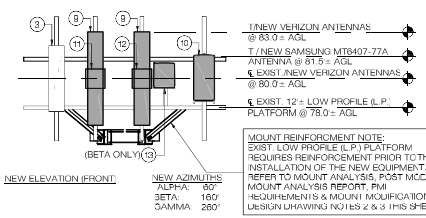
3 EQUIP. CONFIGURATION PLAN (EXIST.)
C-1 SCALE : 1/4" = 1'-0"



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



5 EQUIP. MOUNTING CONFIG. (EXIST.)
C-1 SCALE : 1/2" = 1'-0"



6 EQUIP. MOUNTING CONFIG. (NEW)
C-1 SCALE : 1/2" = 1'-0"

LOCATION PLAN
SCALE: 1" = 400'

NOTES:

1. ANTENNA CONFIGURATIONS SHOWN HEREIN ARE FRONT ELEVATIONS.
2. ANTENNA SPACING DIMENSIONS ARE TO THE CENTER OF THE EXIST. ANTENNA AND PROP. ANTENNA FACE.
3. REFER TO THE FINAL RFDS PROVIDED BY VERIZON FOR THE LATEST INFORMATION REGARDING EQUIPMENT MODELS, REQUIRED CABLING & DOWN-TILT INFORMATION.
4. APPLY 3M FILM OVER ALL EXPOSED mmWAVE ANTENNAS (WHERE APPLICABLE) COLOR TO MATCH EXIST. FRP ENCLOSURES COORDINATE WITH VERIZON CONSTRUCTION MANAGER AND LL.

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 BE REPLACED) MODEL: ANDREW HBXX-6516DS-A2M
2. EXIST. ANTENNA (TO BE REPLACED) MODEL: CSS X7C-PRO-660-VR0
3. EXIST. ANTENNA (TO BE RELOCATED) MODEL: ANDREW HBXX-6516DS-A2M
4. EXIST. ANTENNA (RELOCATED) MODEL: ANDREW HBXX-6516DS-A2M
5. EXIST. RRH (TO BE REPLACED) MODEL: ALU B4 RRH 2x80-4R
6. EXIST. RRH (TO BE REPLACED) MODEL: ALU B13 RRH 2x40-700
7. EXIST. RRH (TO BE REMOVED) MODEL: NOKIA B25 RRH 4x30-1900
8. EXIST. 6 OVP (TO BE REPLACED) MODEL: RAYCAP RRFDC3315-PF-48 (V.I.F.)
9. NEW ANTENNA MODEL: QUINTEL QS6656-5D
10. NEW ANTENNA MODEL: SAMSUNG MT6407-77A ANTENNA MOUNTED ON EXIST PIPE MAST
11. NEW DUAL BAND RRH MODEL: SAMSUNG B13/B5 RRH-BR04C (RFV01U-D2A)
12. NEW DUAL BAND RRH MODEL: SAMSUNG B66/B2A RRH-BR049 (RFV01U-D1A)
13. NEW 12OVP 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
WATERFORD, CT 06385 PHONE: (860)-663-1697
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CONSTRUCTION DOCUMENTS

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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: MAKE-A-WISH FOUNDATION
ADDRESS: OF CT INC 50 COMMERCE DRIVE TRUMBULL, CT 06611

TRUMBULL SE 4 CT

SITE ADDRESS: 60 COMMERCE DRIVE TRUMBULL, CT 06611

APT FILING NUMBER: CT141_11990

DRAWN BY: THK
DATE: 03/26/21
CHECKED BY: JRM

VZ PROJECT CODE: 20202198928
VZ LOCATION CODE:469122
VZ FUZE ID: 16231964

SHEET TITLE:

COMPOUND PLAN, TOWER ELEVATION & NOTES

SHEET NUMBER:

C-1

EQUIPMENT DATA

EQUIPMENT SPECIFICATIONS

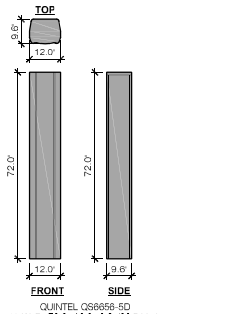
SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	SAMSUNG MT8407-77A	1	60°	NEW	35.1[3]	16.0[3]	5.5[3]	87.1[3][5][6]
	700/850/1900/2100: QUINTEL QS6656-5D	1	60°	NEW	72.0	12.0	9.6	92.5[3]
	700/850/1900/2100: QUINTEL QS6656-5D	1	60°	NEW	72.0	12.0	9.6	92.5[3]
	SPARE: ANDREW HBXX-6516DS-A2M	1	60°	ETR	51.1	12.0	6.5	30.6[3]
BETA	SAMSUNG MT8407-77A	1	160°	NEW	35.1[3]	16.0[3]	5.5[3]	87.1[3][5][6]
	700/850/1900/2100: QUINTEL QS6656-5D	1	160°	NEW	72.0	12.0	9.6	92.5[3]
	700/850/1900/2100: QUINTEL QS6656-5D	1	160°	NEW	72.0	12.0	9.6	92.5[3]
	SPARE: ANDREW HBXX-6516DS-A2M	1	160°	ETR	51.1	12.0	6.5	30.6[3]
GAMMA	SAMSUNG MT8407-77A	1	260°	NEW	35.1[3]	16.0[3]	5.5[3]	87.1[3][5][6]
	700/850/1900/2100: QUINTEL QS6656-5D	1	260°	NEW	72.0	12.0	9.6	92.5[3]
	700/850/1900/2100: QUINTEL QS6656-5D	1	260°	NEW	72.0	12.0	9.6	92.5[3]
	SPARE: ANDREW HBXX-6516DS-A2M	1	260°	ETR	51.1	12.0	6.5	30.6[3]
	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 REV6 DATED 07/12/21
(4) EQUIPMENT CONFIGURATION AS VIEWED FROM BEHIND
(5) NOT TO EXCEED

BILL OF MATERIALS

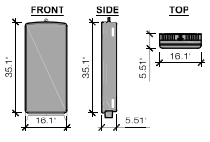
		QUANTITY	LENGTH	COMMENTS
①	700/850/1900/2100	6		(QUINTEL QS-6656-5D) MOUNTED TO EXIST. PIPE MAST
②	SAMSUNG MT8407-77A	3		MOUNTED TO EXIST. PIPE MAST
③	1/2" JUMPER CABLE	36	15 FT	ROUTE FROM RRH TO ANTENNAS
④	ANTENNA LINK CABLES	6	15 M	ROUTE FROM UPPER OVP TO ANTENNAS
⑤	ANTENNA POWER CABLES	3	15 M	PROPIETARY POWER CABLE FROM EXIST. OVP TO ANTENNAS
⑥	AWS/PCS RRH	3		SAMSUNG B2/B66 RRH-BR049 (RFV01U-D1A)
⑦	700/850 RRH	3		SAMSUNG B5/B13 RRH-BR04C (RFV01U-D2A)
⑧	RRH CABLES	6	15M	PROPIETARY POWER & FIBER CABLES
⑨	UPPER 12OVP	1		(RVZDC-6627-PF-48)
⑩	HYBRID CABLE	1	110± FT	12x24 LOW INDUCTANCE HYBRID CABLE (1½"Ø)

NOTES:
1. INFORMATION SHOWN HEREON IS FOR USE BY VERIZON EQUIPMENT OPERATIONS.
2. INFORMATION IS BASED ON RFDS REV6 DATED 07/12/21
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 DC 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.



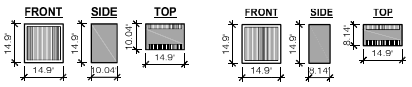
QUINTEL QS6656-5D
HxWxD=72.0"x12.0"x9.6" (92.5 Lbs)

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



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

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

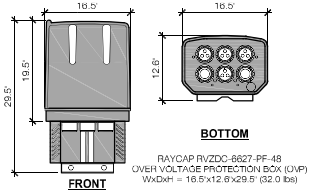


SAMSUNG DUAL HIGH BAND B2/B66A
RRH-BR049 (RFV01U-D1A)
RRH PCS/AWS
REMOTE RADIO HEAD (RRH)
WxDxH=14.9"x14.9"x10.04" (97.5 Lbs)

SAMSUNG DUAL HIGH BAND B5/B13
RRH-BR04C (RFV01U-D2A)
RRH 850/700
REMOTE RADIO HEAD (RRH)
WxDxH=14.9"x14.9"x8.14" (82.0 Lbs)

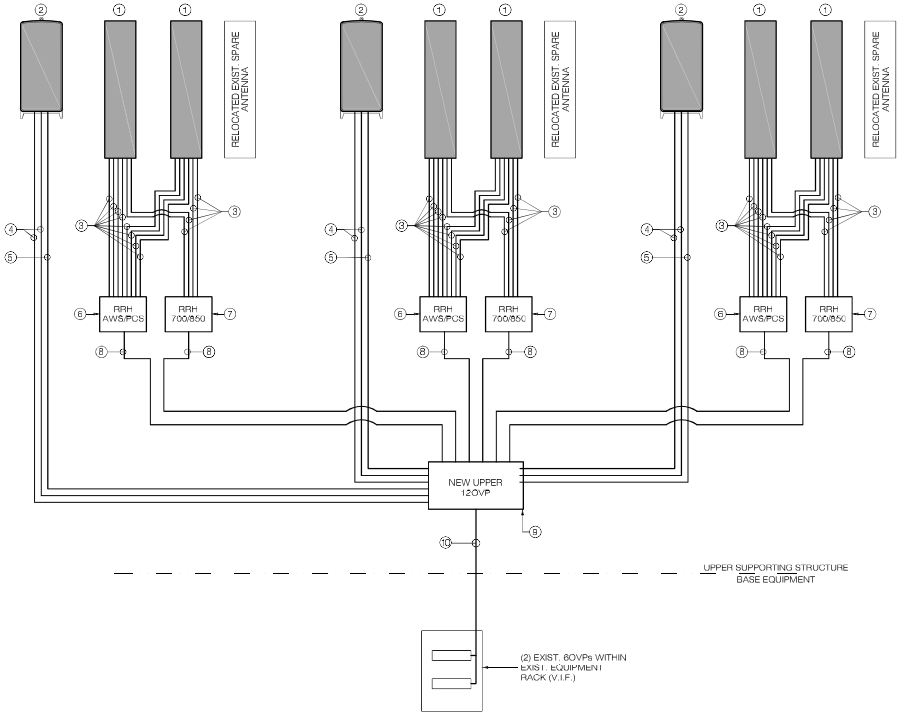
NOTE: WEIGHTS INCLUDE SOLAR SHEILD & MOUNTING BRACKET

4 RRH EQUIPMENT DETAILS
B-1 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 OVER VOLTAGE PROTECTION BOX (OVP)
B-1 SCALE : 1" = 1'-0"



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

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

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	03/26/21	FOR REVIEW: JRM
1	05/11/21	FOR FILING: JRM
2	08/03/21	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: MAKE-A-WISH FOUNDATION
ADDRESS: OF CT INC 50 COMMERCE DRIVE TRUMBULL, CT 06611

TRUMBULL SE 4 CT

SITE ADDRESS: 60 COMMERCE DRIVE TRUMBULL, CT 06611

APT FILING NUMBER: CT141_11990

DRAWN BY: THK
DATE: 03/26/21 CHECKED BY: JRM

VZ PROJECT CODE: 20202198928
VZ LOCATION CODE: 469122
VZ FUZE ID: 16231964

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 APNEWRIATE 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 NEWERLY 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 NEWERLY 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 APNEWRIATE, ALL APNEWRIATE 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 INSTALLATON 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 NEWERTY.

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 PFOOFING 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 NEWERLY REFINED COPPER.
- FEEDER CIRCUIT CONDUCTORS SHALL BE EITHER COPPER OR ALUMINUM OF THE APNEWRIATE 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 NEWERLY 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 NEWERLY 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 CIRCUIT'S OCPD, INCREASE THE GROUNDING CONDUCTOR NEWORTIONATELY 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 CONDUCTOS 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 EQIPMENT 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.

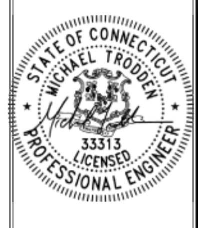
ALL WORKMANSHIP SHALL CONFORM TO THESE REQUIREMENTS AND ALL LOCAL CODES AND STANDARDS TO ENSURE SAFE AND ADEQUATE GROUNDING SYSTEM.

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

ALL-POINTS 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	03/26/21	FOR REVIEW: JRM
1	05/11/21	FOR FILING: JRM
2	08/03/21	FOR FILING: JRM
3		
4		
5		
6		



DESIGN PROFESSIONALS OF RECORD

PROF: MICHAEL S. TRODDEN P.E.
COMP: ALL-POINTS TECHNOLOGY CORPORATION, P.C.
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OWNER: MAKE-A-WISH FOUNDATION OF CT INC
ADDRESS: 56 COMMERCE DRIVE TRUMBULL, CT 06611

TRUMBULL SE 4 CT

SITE ADDRESS: 60 COMMERCE DRIVE TRUMBULL, CT 06611

APT FILING NUMBER: CT141_11990

DRAWN BY: THK

DATE: 03/26/21 CHECKED BY: JRM

VZ PROJECT CODE: 20202198928

VZ LOCATION CODE: 469122

VZ FUZE ID: 16231964

SHEET TITLE:

NOTES& SPECIFICATIONS

SHEET NUMBER:

N-1

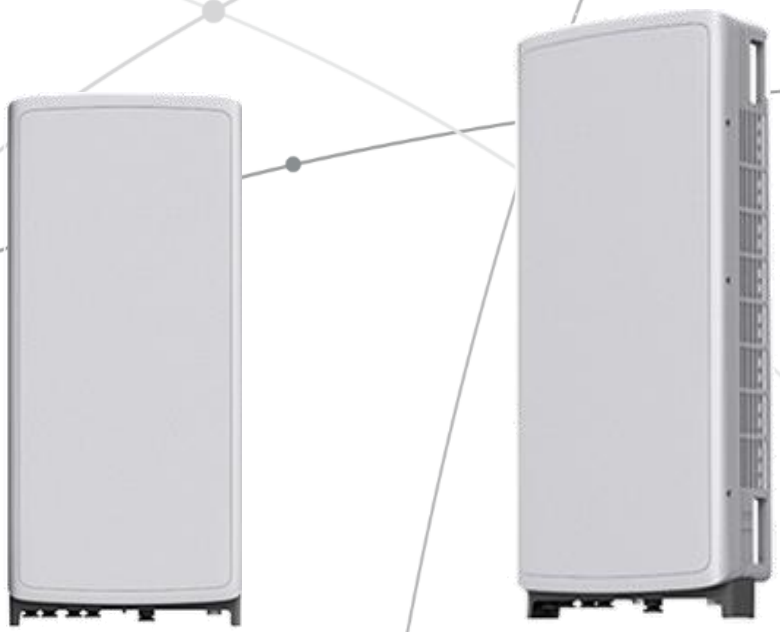
SAMSUNG

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

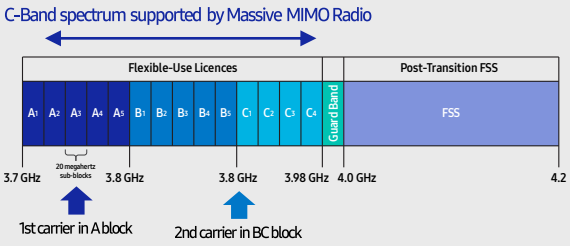


Points of Differentiation

Wide Bandwidth

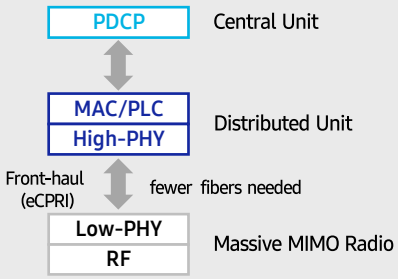
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

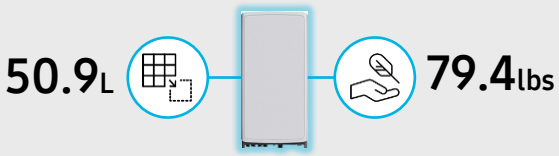
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

QS6656-5D

6ft 65° XXX MultiServ™ 6-Port Antenna

2x698-806 & 824-894MHz (Independent Tilts) / 4x1695-2400MHz

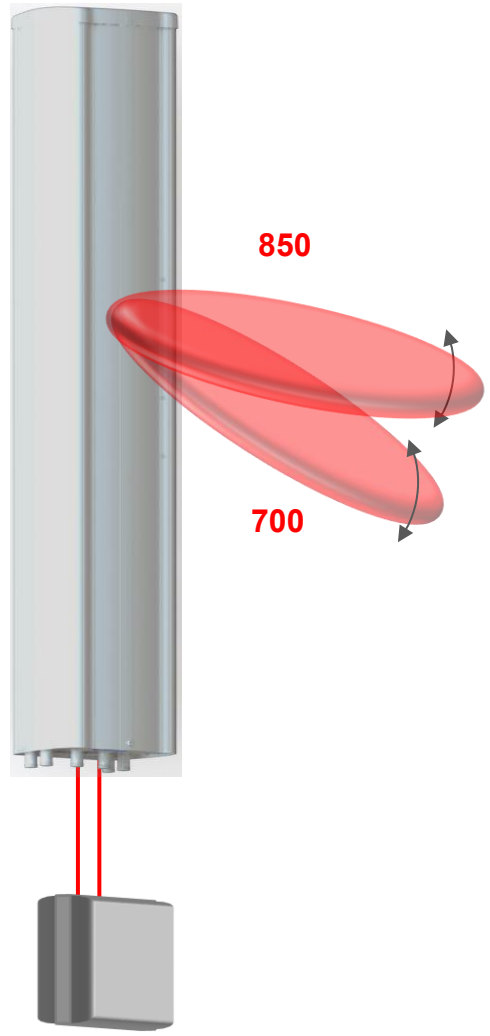
- Independent Tilts at 700 & 850MHz with Dual-Band Radios
- Optimized Azimuth patterns for Min Inter-Sector Interference
- Industry leading Minimal Wind-Load Radome design
- AISG & 3GPP compliant internal (RET) with Smart Bias T
- Best in class Quality and Internal PIM performance
- Slimline 12” Form factor

Electrical Characteristics	4x Ports 1 2		8x Ports 3 4 5 6			
Operating Frequency (MHz)	698-806 & 824-894		1695-2400			
	698-806	824-894	1695-1780	1850-1990	2110-2180	2300-2400
Peak Gain (dBi)	13.8	13.6	17.1	17.7	18.0	18.2
Azimuth beamwidth[1]	67°	63°	73°	66°	61°	60°
Elevation beamwidth[1]	11.9°	10.4°	6.4°	5.8°	5.3°	4.7°
Gain[1] (dBi)	13.4	13.2	16.6	17.1	17.4	17.7
Polarization	2x ±45°		2x ±45°			
Electrical down-tilt range	2°-14°	2°-14°	0°–8°			
USLS 20°>mainbeam (dB)[1]	17	17	16	18	17	16
FTB at 180°±10° (dB)[1]	30	28	28	33	35	36
Port to Port isolation[1]	25	25	30	30	30	30
Return loss/VSWR (dB)	14/1.5	14/1.5	14/1.5	14/1.5	14/1.5	14/1.5
X Polar at 0° (dB)	16	16	19	19	19	18
Max Power handling (port)	250 Watts		250 Watts			
Max Power (all ports)	700 Watts					
PIM (dBc: 2x43dBm)	>153		>153			

[1] *Typical Performance across ports, frequencies and Downtilt.*

Mechanical Characteristics	
Dimensions	L 72”(1828mm) x W 12”(304mm) x D 9.6”(245mm)
Weight (excl mounting brackets)	92.5lbs (42.0kg)
No. of Connectors	6x 4.3-10.0 DIN Female Long Neck
Max Wind Speed	150mph (67m/s)
Equivalent Projected Area[2]	Front: 2.6ft² (0.24m²) Side: 5ft² (0.48m²)
Wind Load[2] @161km/h (45m/s)	Front: 64lbs (285N), Side: 120lbs (535N)
Operating Temperature	-40°C to +65°C.

[2] *Equivalent Projected Area and Wind Load derived from wind tunnel measurements.*



700/850MHz Dual-Band Radio

Tel: +1 (585) 420-8720
info@quintelsolutions.com
www.quintelsolutions.com

QS6656-5D

6ft 65º XXX MultiServ™ 6-Port Antenna

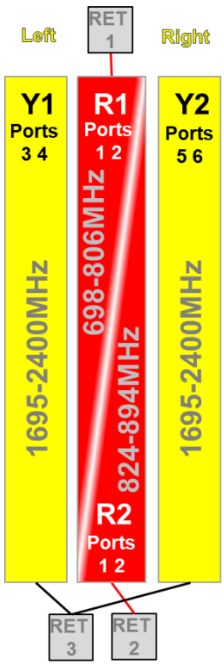
2x698-806 & 824-894MHz (Independent Tilts) / 4x1695-2400MHz

- Independent Tilts at 700 & 850MHz with Dual-Band Radios
- Optimized Azimuth patterns for Min Inter-Sector Interference
- Industry leading Minimal Wind-Load Radome design
- AISG & 3GPP compliant internal (RET) with Smart Bias T
- Best in class Quality and Internal PIM performance
- Slimline 12” Form factor

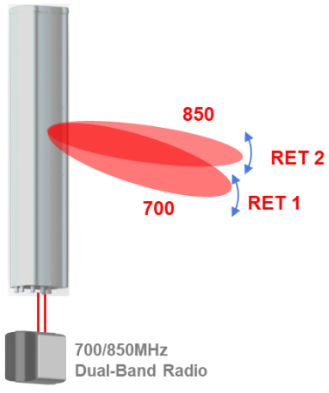
Fully Integrated RET Characteristics

Protocol	V 1.1/2.0/3GPP
Surge immunity	IEC 61000-4-5:2005 4KV(AISG PIN)
AISG Data rate	9.6 kbps
RET Connectors	2x 8-Pin DIN Female & 2x 8-Pin DIN Male

Port Layout, Array Configuration and RET ID



RET ID	Ports				Arrays		Freq Range
1	1		2		R1		698-806MHz
2	1		2		R2		824-894MHz
3	3	4	5	6	Y1	Y2	1695-2400MHz



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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

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

ATTACHMENT 3

Site Name: ***TRUMBULL SE 4 CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	589	2354	80	0.0132	0.5007	2.64%
VZW Cellular	874	4	812	3250	80	0.0183	0.5827	3.13%
VZW PCS	1980	4	1819	7275	80	0.0409	1.0000	4.09%
VZW AWS	2120	4	3629	14516	80	0.0816	1.0000	8.16%
VZW CBAND	3730.08	4	6531	26125	80	0.1468	1.0000	14.68%

Total Percentage of Maximum Permissible Exposure 32.70%

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

MHz = Megahertz
mW/cm^2 = milliwatts per square centimeter
ERP = Effective Radiated Power

Absolute worst case maximum values used.

ATTACHMENT 4

STRUCTURAL ANALYSIS REPORT
82-ft MONOPOLE TOWER
TRUMBULL, CONNECTICUT

Prepared for
Verizon Wireless

Verizon Site Ref.
469122; Trumbull SE 4 CT

Site Address: 60 Commerce Drive Trumbull, Connecticut 06611

APT Filing No. CT141_11990

August 3, 2021

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

STRUCTURAL ANALYSIS REPORT
82-ft MONOPOLE TOWER
TRUMBULL, CONNECTICUT
prepared for
Verizon Wireless

EXECUTIVE SUMMARY:

All-Points Technology Corporation, P.C. (APT) performed a structural evaluation of an existing 82-ft tapered steel monopole tower structure to support a proposed Verizon equipment modification.

The proposed Verizon antenna and appurtenance modification consists of the replacement of nine (9) existing panel antennas with six (6) new panel antennas, and three (3) Samsung MT6407-77A antennas, the replacement of nine (9) existing remote radio heads (RRHs) with six (6) new RRHs and the replacement of two (2) existing 6OVPs with one (1) new 12OVP. The proposed Verizon equipment shall be fed by one (1) 12x24 low-inductance (LI) hybrid feed-line, routed vertically within the interior of the existing monopole tower structure.

The existing Verizon 14' low-profile platform requires reinforcement prior to the installation of the new equipment, as referenced below.

Our analysis indicates that the subject tower structure meets the requirements of the 2015 International Building Code (IBC), as amended by the 2018 Connecticut State Building Code, and the ANSI/TIA-222-H standard with the existing and proposed equipment loading.

INTRODUCTION:

A structural analysis of this communications tower was performed by APT for Verizon Wireless. The tower is located at 60 Commerce Drive in Trumbull, Connecticut.

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

- Antenna platform drawing prepared by Engineered Endeavors, Drawing No. K10994A marked Rev 5, dated 7/31/14, marked As-Built, dated 08/31/15.
- Construction Drawings by Centek Engineering, Project #13209.000, Rev 3, dated 04/30/15, marked As-Built, dated 08/31/15.
- Tower design drawings and calculations, prepared by Engineered Endeavors, Project No. 17314, dated 10/22/14.
- Anchor Testing Summary by Maine Drilling & Blasting dated June 17, 2015.
- Post-Mod Antenna Mount Analysis Report and PMI Requirements by Maser Consulting, project #20777302A dated 01/13/21.
- Mount Modification Drawings by Maser Consulting, project #20777302A dated January 13, 2021.
- Construction Drawings by All-Points Technology (APT), project #CT141_11990, marked Rev 2, dated 08/03/21.

The tower is an 82-foot, 18-sided tapered steel monopole tower manufactured by Engineered Endeavors.

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

Carrier	Antenna and Appurtenance Make/Model	Elevation	Status	Mount Type	Coax/Feed-Line
Verizon Wireless	**(3) Samsung MT6407-77A,** **(6) Quintel QS6656-5D** & (3) Commscope HBXX-6516DS, **(3) Samsung B66a/B2a RRH-BRO49 (RFV01U-D1A) RRHs,** **(3) Samsung B13/B5 RRH-BR04C (RFV01UD2A) RRHs,** **(1) Raycap RVZDC-6627-PF-48 OVP**	80'	**P** **P** ERL **P** **P** **P** **P** **P**	14' Low-Profile Platform **(To be Reinforced)**	**(1) 12x24 LI hybrid**

Notes:

1. ETR = Existing to Remain; ERL= Existing to be Relocated; P = Proposed.
2. Three (3) existing Verizon RRHs to be removed.

STRUCTURAL ANALYSIS:

Methodology:

This structural analysis has been prepared in accordance with the ANSI/TIA-222-H standard entitled "Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures; American Institute of Steel Construction (AISC) Manual of Steel Construction", and the 2015 International Building Code (IBC), as amended by the 2018 Connecticut State Building Code.

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

- Load Case 1: 119 mph (3-second gust), 0" ice
- Load Case 2: 50mph (3-second gust) w/ 1.0" ice thickness required
- Load Case 3: 60mph (3-second gust) (Service Load)
- Structure Class: II
- Exposure Category: B
- Topographic Category: 1

Anchor Bolts:

Anchor bolts were evaluated under the proposed loading. All anchor bolts were found to be adequately sized to support the proposed equipment.

Analysis Results:

The following table summarizes the capacity of the monopole based on combined axial and bending stresses:

Elevation	Capacity [1,2]
39.47'-82'	13%
1'-39.47'	17%
Base Plate	20%

Notes:
1. Based on ASTM A572 Gr. 65 18-sided monopole. Pole diameter and thickness vary.
2. Based on ASTM A572 Gr. 50 base plate. Base plate is 2.5" thick.

Base Foundation:

Evaluation of the existing foundation was performed by comparing reactions calculated under the proposed loads with the design reactions indicated within the aforementioned Engineered Endeavors Structural Analysis and foundation design drawings. Reactions imposed by the proposed installation are less than the published reactions, indicating that the foundation is adequately sized. It should be noted that foundation capacity is governed by the overturning moment capacity.

The calculated base reactions utilized in the analysis of the foundation system with the proposed loading are as follows:

Load Effect	Original Design (TIA-222-G)	Calculated Reactions
Axial	28.76 k	16.0 k
Base Shear	30.64 k	6.8 k
Overturning Moment	2,439 ft-k	404 ft-k

CONCLUSIONS AND SUGGESTIONS:

In conclusion, our analysis indicates that the 82-ft monopole tower structure located at 60 Commerce Drive in Trumbull, Connecticut meets the requirements of 2015 International Building Code (IBC), as amended by the 2018 Connecticut State Building Code, and the ANSI/TIA-222-H standard with Verizon's proposed equipment changes and mount modifications.

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

Robert E. Adair, P.E.
Principal

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

Michael T. Larson, P.E.
Project Engineer

LIMITATIONS:

This report is based on the following:

1. Tower/structure is properly installed and maintained.
2. All members and components are in a non-deteriorated condition.
3. All required members are in place.
4. All bolts are in place and are properly tightened.
5. Tower/structure is in plumb condition.
6. All tower members were properly designed, detailed, fabricated, and installed and have been properly maintained since erection.
7. Material yield stress values as follows:
   Monopole: 65 ksi
   Base plate: 50 ksi
   Anchor bolts: 75 ksi

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

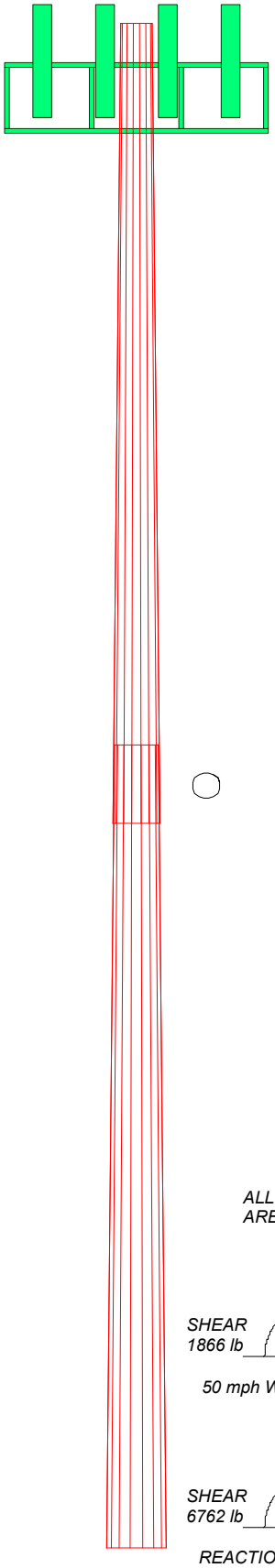
1. Replacing or reinforcing bracing members.
2. Reinforcing members in any manner.
3. Adding or relocating antennas.
4. Installing antenna mounts or waveguide cables.
5. Extending tower.

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

Appendix A

Tower Schematic

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (lb)
1	42.53	18	0.3125	4.23	20.7200	29.8600	A572-65	3585.4
2	42.70	18	0.3750		28.3259	37.5000		5627.2
								9212.6



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
MT6407-77A	80	B2/B66A RRHBRO49 (RFV01U-D1A)	80
MT6407-77A	80	B5/B13 RRHBR04C (RFV01UD2A)	80
MT6407-77A	80	B5/B13 RRHBR04C (RFV01UD2A)	80
(2) Quintel QS6656-5D	80	B5/B13 RRHBR04C (RFV01UD2A)	80
(2) Quintel QS6656-5D	80	RVZDC-6627-PF-48	80
(2) Quintel QS6656-5D	80	EEI 14' Low-Profile Platform	78
HBXX-6516DS	80	VZWSMART Kicker Kit	78
HBXX-6516DS	80	2-7/8" support rail	78
HBXX-6516DS	80	2-7/8" support rail	78
B2/B66A RRHBRO49 (RFV01U-D1A)	80	2-7/8" support rail	78
B2/B66A RRHBRO49 (RFV01U-D1A)	80		

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-65	65 ksi	80 ksi			

ALL REACTIONS ARE FACTORED

AXIAL 22958 lb

SHEAR 1866 lb *MOMENT 105954 lb-ft*

50 mph WIND - 1.0000 in ICE

AXIAL 15995 lb

SHEAR 6762 lb *MOMENT 404084 lb-ft*

REACTIONS - 119 mph WIND

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

Job: ***81' Monopole Tower***			
Project: ***CT141_11990 Trumbull SE 4***			
Client: VzW Site: Trumbull SE 4 CT	Drawn by: M. Larson	App'd:	
Code: TIA-222-H	Date: 07/29/21	Scale: NTS	
Path: C:\Users\APT User\Desktop\CT141_11990 Trumbull SE 4 CT\CT141_11990 Trumbull SE 4.eri		Dwg No. E-1	

Appendix B

Calculations

Tower Input Data

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

Tower base elevation above sea level: 1.00 ft.
Basic wind speed of 119 mph.
Risk Category II.
Exposure Category B.
Simplified Topographic Factor Procedure for wind speed-up calculations is used.
Topographic Category: 1.
Crest Height: 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
A non-linear (P-delta) analysis was used.
Pressures are calculated at each section.
Stress ratio used in pole design is 1.
Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Feed Line/Linear Appurtenances - Entered As Area

Description	*Face or Leg*	*Allow Shield*	*Exclude From Torque Calculation*	*Component Type*	*Placement* *ft*	*Total Number*		C_AA_A *ft²/ft*	*Weight* *plf*
1-5/8" 12x24 LI Hybrid (VzW)	C	No	Yes	Inside Pole	82.00 - 6.00	1	No Ice	0.00	3.20
							1/2" Ice	0.00	3.20
							1" Ice	0.00	3.20
3/8" safety cable	C	No	Yes	CaAa (Out Of Face)	82.00 - 6.00	1	No Ice	0.04	0.22
							1/2" Ice	0.14	0.83
							1" Ice	0.24	1.98

Discrete Tower Loads

Description	*Face or Leg*	*Offset Type*	*Offsets: Horz Lateral* *ft*	*Vert* *ft*	*Azimuth Adjustment* °	*Placement* *ft*		C_AA_A *Front* *ft²*	C_AA_A *Side* *ft²*	*Weight* *lb*
MT6407-77A	A	From Face	4.00	0.00	0.0000	80.00	No Ice	4.69	1.84	90.00
				0.00			1/2" Ice	4.98	2.06	119.24
				0.00			1" Ice	5.28	2.29	152.35
MT6407-77A	B	From Face	4.00	0.00	0.0000	80.00	No Ice	4.69	1.84	90.00
				0.00			1/2" Ice	4.98	2.06	119.24
				0.00			1" Ice	5.28	2.29	152.35

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight lb
MT6407-77A	C	From Face	4.00	0.0000	80.00	No Ice	4.69	1.84	90.00
			0.00			1/2" Ice	4.98	2.06	119.24
			0.00			1" Ice	5.28	2.29	152.35
(2) Quintel QS6656-5D	A	From Face	4.00	0.0000	80.00	No Ice	8.13	6.80	94.00
			0.00			1/2" Ice	8.59	7.27	151.20
			0.00			1" Ice	9.05	7.72	214.66
(2) Quintel QS6656-5D	B	From Face	4.00	0.0000	80.00	No Ice	8.13	6.80	94.00
			0.00			1/2" Ice	8.59	7.27	151.20
			0.00			1" Ice	9.05	7.72	214.66
(2) Quintel QS6656-5D	C	From Face	4.00	0.0000	80.00	No Ice	8.13	6.80	94.00
			0.00			1/2" Ice	8.59	7.27	151.20
			0.00			1" Ice	9.05	7.72	214.66
HBXX-6516DS	A	From Face	4.00	0.0000	80.00	No Ice	5.42	3.30	15.00
			0.00			1/2" Ice	5.77	3.63	50.44
			0.00			1" Ice	6.12	3.96	90.58
HBXX-6516DS	B	From Face	4.00	0.0000	80.00	No Ice	5.42	3.30	15.00
			0.00			1/2" Ice	5.77	3.63	50.44
			0.00			1" Ice	6.12	3.96	90.58
HBXX-6516DS	C	From Face	4.00	0.0000	80.00	No Ice	5.42	3.30	15.00
			0.00			1/2" Ice	5.77	3.63	50.44
			0.00			1" Ice	6.12	3.96	90.58
B2/B66A RRHBRO49 (RFV01U-D1A)	A	From Face	3.50	0.0000	80.00	No Ice	1.88	1.25	85.00
			0.00			1/2" Ice	2.05	1.39	103.34
			0.00			1" Ice	2.22	1.54	124.47
B2/B66A RRHBRO49 (RFV01U-D1A)	B	From Face	3.50	0.0000	80.00	No Ice	1.88	1.25	85.00
			0.00			1/2" Ice	2.05	1.39	103.34
			0.00			1" Ice	2.22	1.54	124.47
B2/B66A RRHBRO49 (RFV01U-D1A)	C	From Face	3.50	0.0000	80.00	No Ice	1.88	1.25	85.00
			0.00			1/2" Ice	2.05	1.39	103.34
			0.00			1" Ice	2.22	1.54	124.47
B5/B13 RRHBR04C (RFV01UD2A)	A	From Face	3.50	0.0000	80.00	No Ice	1.88	1.01	100.00
			0.00			1/2" Ice	2.05	1.14	116.43
			0.00			1" Ice	2.22	1.28	135.53
B5/B13 RRHBR04C (RFV01UD2A)	B	From Face	3.50	0.0000	80.00	No Ice	1.88	1.01	100.00
			0.00			1/2" Ice	2.05	1.14	116.43
			0.00			1" Ice	2.22	1.28	135.53
B5/B13 RRHBR04C (RFV01UD2A)	C	From Face	3.50	0.0000	80.00	No Ice	1.88	1.01	100.00
			0.00			1/2" Ice	2.05	1.14	116.43
			0.00			1" Ice	2.22	1.28	135.53
RVZDC-6627-PF-48	A	None		0.0000	80.00	No Ice	6.13	5.25	45.00
						1/2" Ice	6.44	5.55	103.92
						1" Ice	6.76	5.85	167.82
EEI 14' Low-Profile Platform	A	None		0.0000	78.00	No Ice	26.25	26.25	1925.00
						1/2" Ice	30.00	30.00	2602.00
						1" Ice	33.75	33.75	3279.00
VZWSMART Kicker Kit	A	None		0.0000	78.00	No Ice	5.39	2.70	132.00
						1/2" Ice	7.89	3.95	250.00
						1" Ice	10.39	5.20	375.00
2-7/8" support rail	A	From Face	3.00	0.0000	78.00	No Ice	4.03	4.03	107.00
			0.00			1/2" Ice	5.46	5.46	136.25
			0.00			1" Ice	6.91	6.91	174.49
2-7/8" support rail	B	From Face	3.00	0.0000	78.00	No Ice	4.03	4.03	107.00
			0.00			1/2" Ice	5.46	5.46	136.25
			0.00			1" Ice	6.91	6.91	174.49
2-7/8" support rail	C	From Face	3.00	0.0000	78.00	No Ice	4.03	4.03	107.00
			0.00			1/2" Ice	5.46	5.46	136.25
			0.00			1" Ice	6.91	6.91	174.49

Solution Summary

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	82 - 39.47	2.121	45	0.2115	0.0000
L2	43.7 - 1	0.639	45	0.1350	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
80.00	MT6407-77A	45	2.032	0.2080	0.0000	104703
78.00	EEI 14' Low-Profile Platform	45	1.944	0.2046	0.0000	104703

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	82 - 39.47	9.352	14	0.9327	0.0000
L2	43.7 - 1	2.819	14	0.5952	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
80.00	MT6407-77A	14	8.962	0.9175	0.0000	23745
78.00	EEI 14' Low-Profile Platform	14	8.572	0.9023	0.0000	23745

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
L1	**82 - 39.47**	**Pole**	**TP29.86x20.72x0.3125**	**1**	**-8536.65**	**1661740.00**	**12.9**	**Pass**
L2	**39.47 - 1**	**Pole**	**TP37.5x28.3259x0.375**	**2**	**-15993.60**	**2585000.00**	**16.9**	**Pass**
							Summary	
							Pole (L2) 16.9	Pass
							Base Plate 20.2	Pass
							RATING = **20.2**	**Pass**

Maser Consulting Connecticut
2000 Midlantic Dr, Suite 100
Mt. Laurel, NJ 08054
856.797.0412
gdulnik@maserconsulting.com

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10030192
Maser Consulting Connecticut Project #: 2077302A

January 13, 2021

Site Information	*Site ID:*	*469122-VZW / TRUMBULL SE 4*
	Site Name:	*TRUMBULL SE 4*
	Carrier Name:	*Verizon Wireless*
	Address:	*60 Commerce Dr* *Trumbull, Connecticut 06611* *Fairfield County*
	Latitude:	*41.245600°*
	Longitude:	*-73.145558°*
Structure Information	*Tower Type:*	*82-Ft Monopole*
	Mount Type:	*14-Ft Platform*

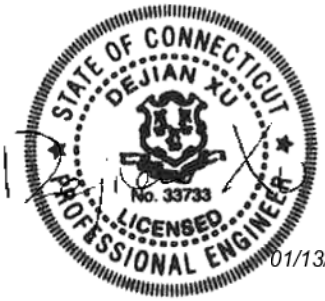
FUZE ID # 16231964

Analysis Results

Platform: **58.2% 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: Prasanna Dhakal



01/13/2021

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: 1978737, dated December 1, 2020*
Mount Mapping Report	*Delta Oaks Group, Site ID: 469122, dated October 28, 2020*
Previous Mount Analysis	*Maser Consulting, Project # 20777302A, dated December 11, 2020*
Mount Modification Drawing	*Maser Consulting Connecticut, Project # 20777302A, dated January 13, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust),	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.994
Seismic Parameters:	S_S:	0.206
	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:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
			Andrew		Retained
			Quintel		Added
				Licensed Sub 6 Antennas	
			Samsung		
			Samsung		

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*27.7%*	*Pass*
Face Horizontal	*18.2%*	*Pass*
Mount Pipe	*31.7%*	*Pass*
Support Rail	*16.2%*	*Pass*
Support Rail Corner Angle	*19.1%*	*Pass*
Kicker	*10.7%*	*Pass*
Mount Connection (Bolt)	*11.6%*	*Pass*
Mount Connection (Weld)	*58.2%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**58.2%**

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:

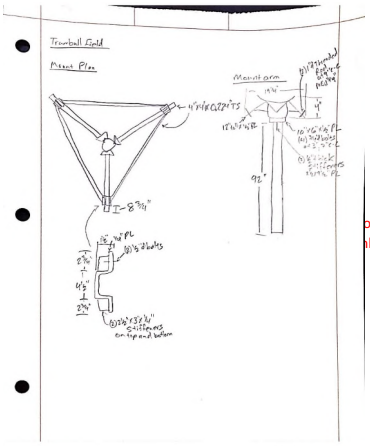
Mount Photos
Mount Mapping Report (for reference only)
Analysis Calculations
Contractor Required PMI Report Deliverables
Antenna Placement Diagrams
TIA Adoption and Wind Speed Usage Letter

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #
N/A

Tower Owner:	City Park Commerce Drive	**Mapping Date:**	10/28/2020
Site Name:	Trumbull SE 4	**Tower Type:**	Monopole
Site Number or ID:	469122	**Tower Height (Ft.):**	82
Mapping Contractor:	Delta Oaks Group	**Mount Elevation (Ft.):**	78



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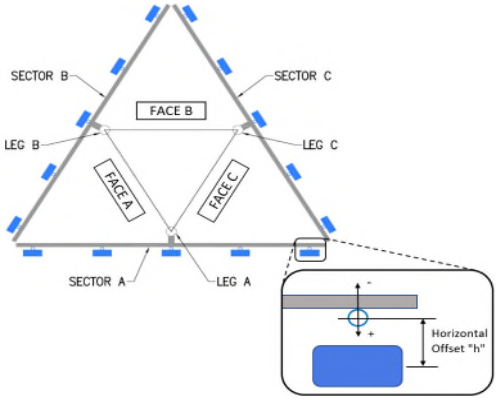
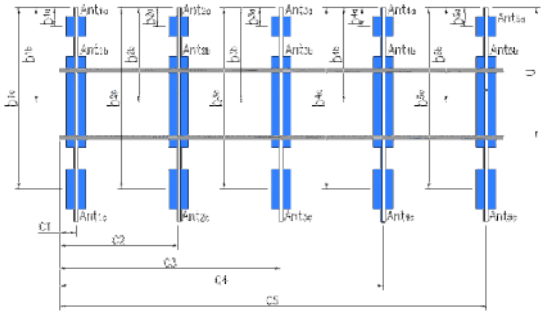
Scanned with CamScanner





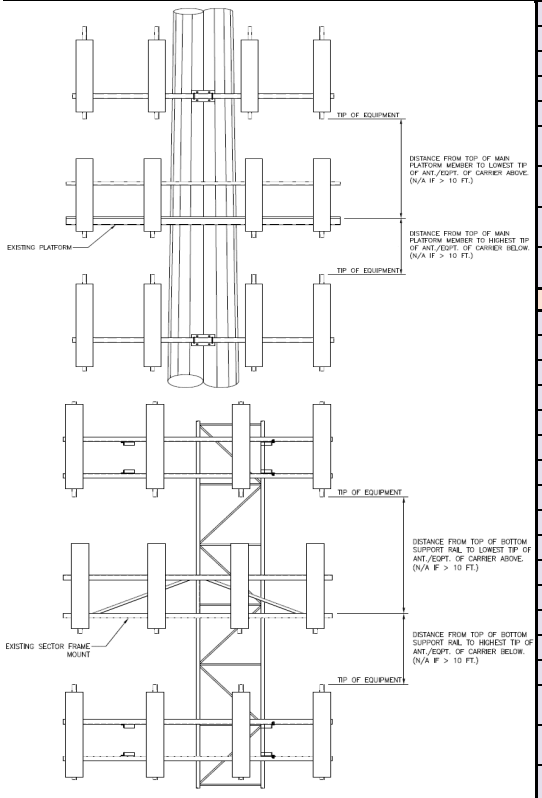
Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4"x0.13"x102"	74.00	23.50	C1	2.4"x0.13"x102"	74.00	23.50
A2	2.4"x0.13"x102"	74.00	83.50	C2	2.4"x0.13"x102"	74.00	83.50
A3	2.4"x0.13"x102"	74.00	117.00	C3	2.4"x0.13"x102"	74.00	117.00
A4	2.4"x0.13"x102"	74.00	142.50	C4	2.4"x0.13"x102"	74.00	142.50
A5				C5			
A6				C6			
B1	2.4"x0.13"x102"	74.00	23.50	D1			
B2	2.4"x0.13"x102"	74.00	83.50	D2			
B3	2.4"x0.13"x102"	74.00	117.00	D3			
B4	2.4"x0.13"x102"	74.00	142.50	D4			
B5				D5			
B6				D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :							
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional infomation or comments below.							
(1) RRFDC-3315-PF-48 ON THE A-B MOUNT ARM. (1) RRFDC-3315-PF-48 ON THE C-A MOUNT ARM.							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				20

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	HBXX-6516DS-A2M	12.00	6.50	50.90	/4" FLEX H	79.8333	52.00	9.00	55.00	77
Ant_{1b}	B4 RRH 2X60-4R	10.63	5.75	36.60		80.25	47.00	-7.00		77
Ant_{1c}										
Ant_{2a}	X7C-FRO-660-VR0	14.60	8.00	72.00		80.1667	48.00	11.00	55.00	78
Ant_{2b}	UNKNOWN	15.50	10.00	16.25		80.4167	45.00	-8.00		78
Ant_{2c}										
Ant_{3a}	HBXX-6516DS-A2M	12.00	6.50	50.90		79.8333	52.00	9.00	55.00	78
Ant_{3b}	B25 RRH 4X30	12.00	7.20	21.20		80.1667	48.00	-8.00		78
Ant_{3c}										
Ant_{4a}	X7C-FRO-660-VRO	14.60	8.00	72.00		80.1667	48.00	11.00	55.00	78
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	40.00	Deg	Leg A:		Deg
Sector B:	160.00	Deg	Leg B:		Deg
Sector C:	280.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	320.00	Deg	Outside Face C
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was obstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}	HBXX-6516DS-A2M	12.00	6.50	50.90		79.8333	52.00	9.00	160.00	79
Ant_{1b}	B4 RRH 2X60-4R	10.63	5.75	36.60		80.25	47.00	-7.00		79
Ant_{1c}										
Ant_{2a}	X7C-FRO-660-VR0	14.60	8.00	72.00		80.1667	48.00	11.00	160.00	79
Ant_{2b}	UNKNOWN	15.50	10.00	16.25		80.4167	45.00	-8.00		79
Ant_{2c}										
Ant_{3a}	HBXX-6516DS-A2M	12.00	6.50	50.90		79.8333	52.00	9.00	160.00	80
Ant_{3b}	B25 RRH 4X30	12.00	7.20	21.20		80.1667	48.00	-8.00		80
Ant_{3c}										
Ant_{4a}	X7C-FRO-660-VRO	14.60	8.00	72.00		80.1667	48.00	11.00	160.00	80
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}	HBXX-6516DS-A2M	12.00	6.50	50.90		79.8333	52.00	9.00	270.00	81
Ant_{1b}	B4 RRH 2X60-4R	10.63	5.75	36.60		80.25	47.00	-7.00		81
Ant_{1c}										
Ant_{2a}	X7C-FRO-660-VR0	14.60	8.00	72.00		80.1667	48.00	11.00	270.00	82
Ant_{2b}	UNKNOWN	15.50	10.00	16.25		80.4167	45.00	-8.00		82
Ant_{2c}										
Ant_{3a}	HBXX-6516DS-A2M	12.00	6.50	50.90		79.8333	52.00	9.00	270.00	83
Ant_{3b}	B25 RRH 4X30	12.00	7.20	21.20		80.1667	48.00	-8.00		83
Ant_{3c}										
Ant_{4a}	X7C-FRO-660-VRO	14.60	8.00	72.00		80.1667	48.00	11.00	270.00	84
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1		
2		
3		
4		
5		
6		
7		
8		

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

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

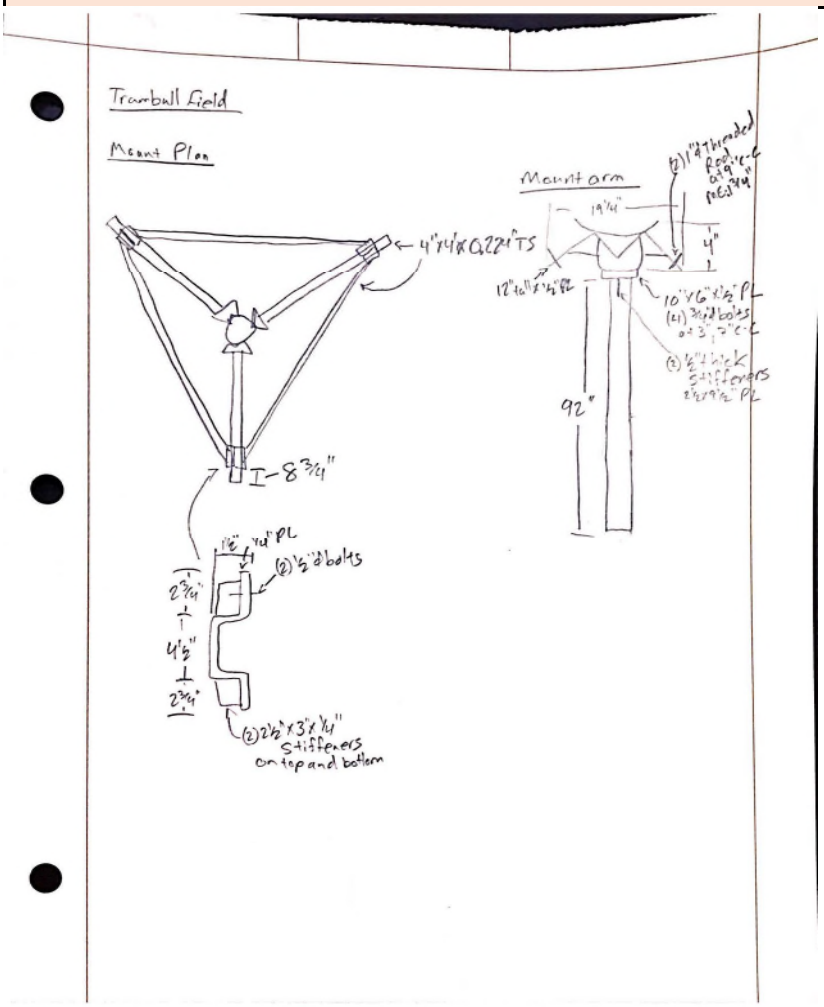
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

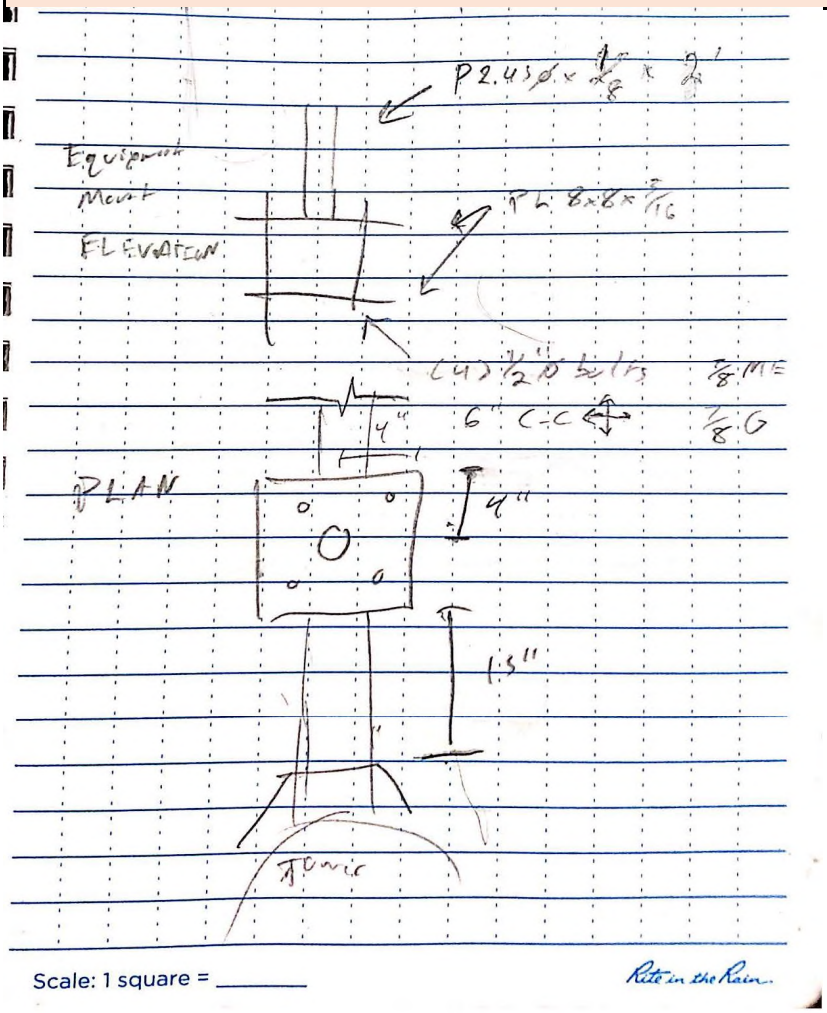
FCC #
N/A

Tower Owner:	City Park Commerce Drive	**Mapping Date:**	10/28/2020
Site Name:	Trumbull SE 4	**Tower Type:**	Monopole
Site Number or ID:	469122	**Tower Height (Ft.):**	82
Mapping Contractor:	Delta Oaks Group	**Mount Elevation (Ft.):**	78

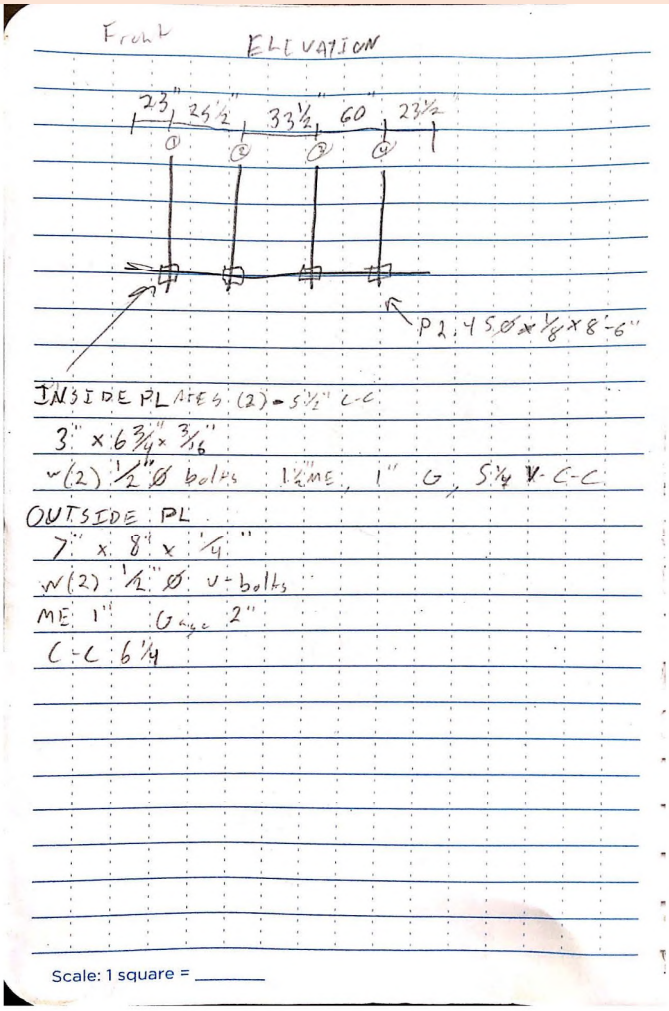
Please Insert Sketches of the Antenna Mount

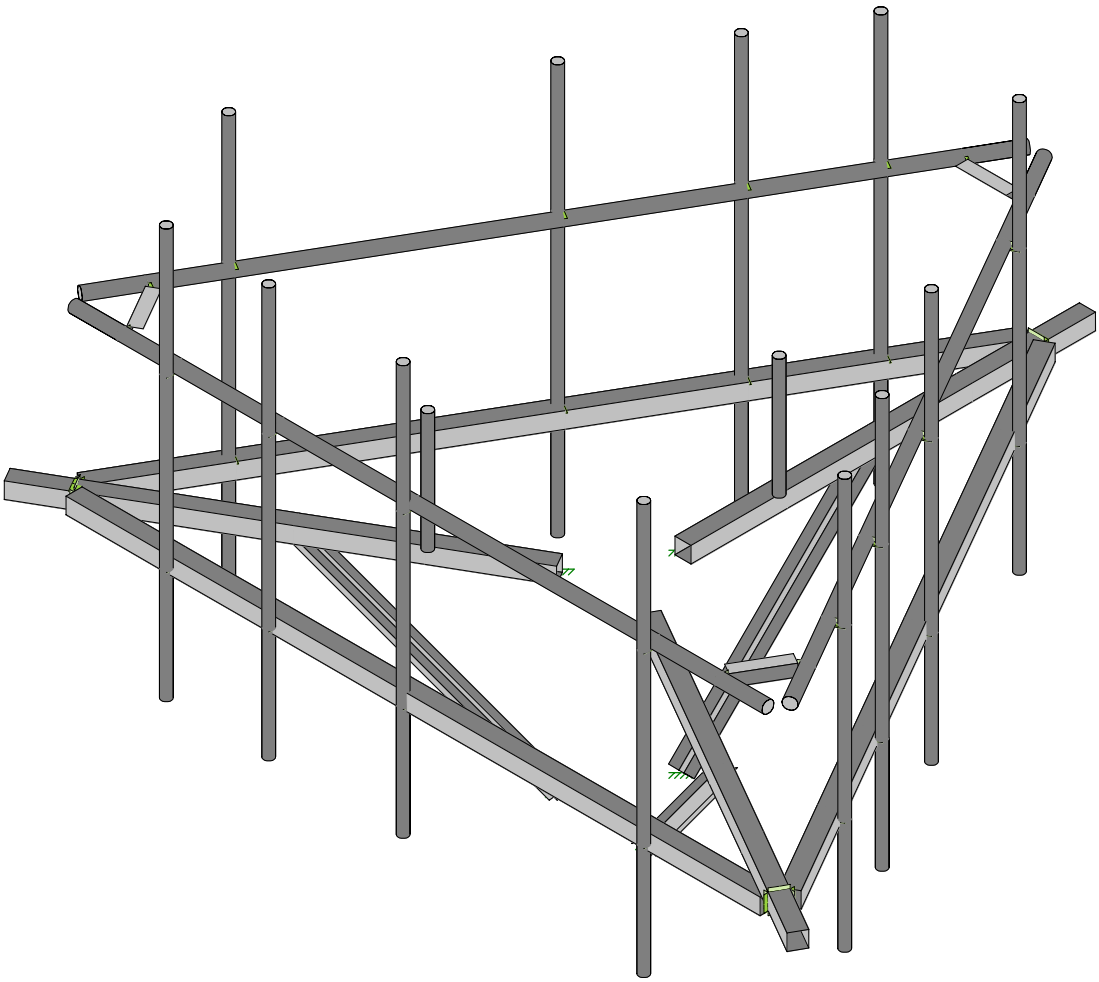


Please Insert Sketches of the Antenna Mount, cont'd



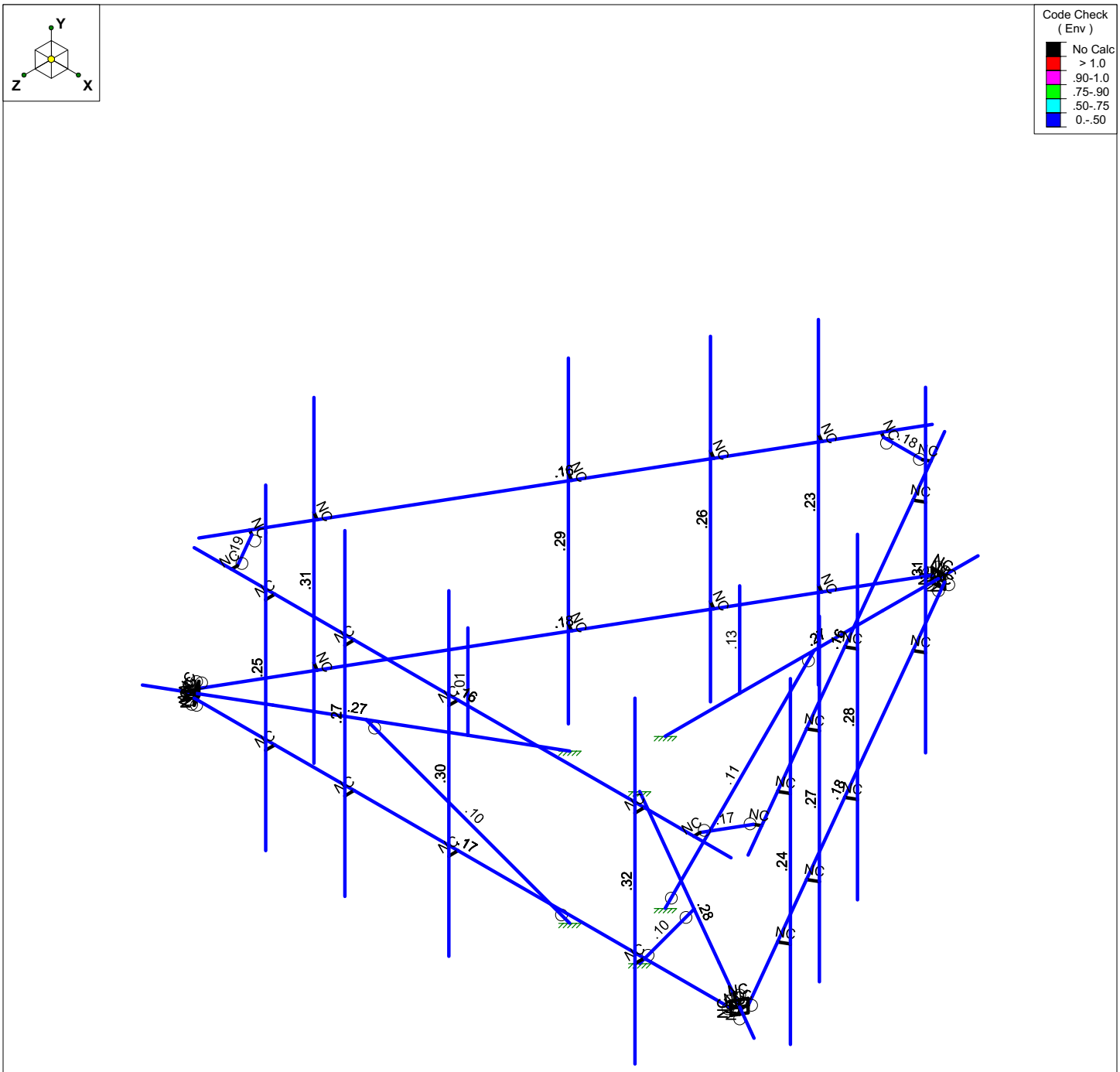
Please Insert Sketches of the Antenna Mount, cont'd





Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 1
		Jan 5, 2021 at 3:00 PM
Project # 20777302A		469122-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 2
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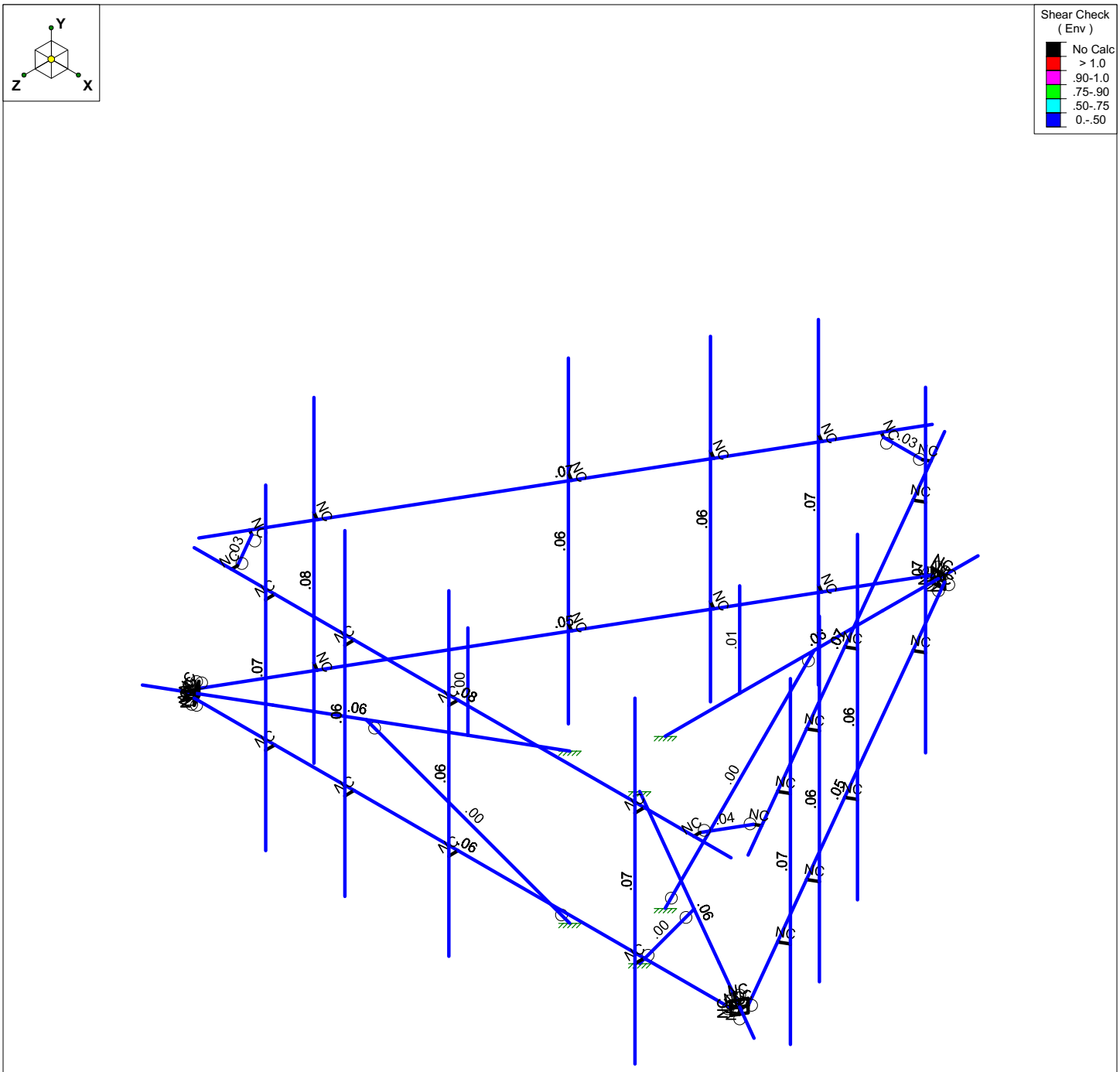
Project # 20777302A		469122-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Antenna Mount Analysis	SK - 3
		Jan 5, 2021 at 3:00 PM
Project # 20777302A		469122-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Member)	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 D...	None					93			
8	Antenna Wo (150 D...	None					93			
9	Antenna Wo (180 D...	None					93			
10	Antenna Wo (210 D...	None					93			
11	Antenna Wo (240 D...	None					93			
12	Antenna Wo (270 D...	None					93			
13	Antenna Wo (300 D...	None					93			
14	Antenna Wo (330 D...	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 De...	None					93			
20	Antenna Wi (150 De...	None					93			
21	Antenna Wi (180 De...	None					93			
22	Antenna Wi (210 De...	None					93			
23	Antenna Wi (240 De...	None					93			
24	Antenna Wi (270 De...	None					93			
25	Antenna Wi (300 De...	None					93			
26	Antenna Wi (330 De...	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 D...	None					93			
29	Antenna Wm (60 D...	None					93			
30	Antenna Wm (90 D...	None					93			
31	Antenna Wm (120 ...	None					93			
32	Antenna Wm (150 ...	None					93			
33	Antenna Wm (180 ...	None					93			
34	Antenna Wm (210 ...	None					93			
35	Antenna Wm (240 ...	None					93			
36	Antenna Wm (270 ...	None					93			
37	Antenna Wm (300 ...	None					93			
38	Antenna Wm (330 ...	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						29	3	
41	Structure Wo (0 De...	None						58		
42	Structure Wo (30 D...	None						58		
43	Structure Wo (60 D...	None						58		
44	Structure Wo (90 D...	None						58		
45	Structure Wo (120 ...	None						58		
46	Structure Wo (150 ...	None						58		
47	Structure Wo (180 ...	None						58		
48	Structure Wo (210 ...	None						58		
49	Structure Wo (240 ...	None						58		
50	Structure Wo (270 ...	None						58		
51	Structure Wo (300 ...	None						58		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Member)	Surface(...
52	Structure Wo (330 ...	None						58		
53	Structure Wi (0 Deg)	None						58		
54	Structure Wi (30 D...	None						58		
55	Structure Wi (60 D...	None						58		
56	Structure Wi (90 D...	None						58		
57	Structure Wi (120 ...	None						58		
58	Structure Wi (150 ...	None						58		
59	Structure Wi (180 ...	None						58		
60	Structure Wi (210 ...	None						58		
61	Structure Wi (240 ...	None						58		
62	Structure Wi (270 ...	None						58		
63	Structure Wi (300 ...	None						58		
64	Structure Wi (330 ...	None						58		
65	Structure Wm (0 D...	None						58		
66	Structure Wm (30 ...	None						58		
67	Structure Wm (60 ...	None						58		
68	Structure Wm (90 ...	None						58		
69	Structure Wm (120...	None						58		
70	Structure Wm (150...	None						58		
71	Structure Wm (180...	None						58		
72	Structure Wm (210...	None						58		
73	Structure Wm (240...	None						58		
74	Structure Wm (270...	None						58		
75	Structure Wm (300...	None						58		
76	Structure Wm (330...	None						58		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Ar...	None						27		
82	BLC 40 Transient Ar...	None						27		

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
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 D...	Yes	Y		1	1.2	39	1.2	4	1	42	1														
3	1.2D+1.0Wo (60 D...	Yes	Y		1	1.2	39	1.2	5	1	43	1														
4	1.2D+1.0Wo (90 D...	Yes	Y		1	1.2	39	1.2	6	1	44	1														
5	1.2D+1.0Wo (120 ...	Yes	Y		1	1.2	39	1.2	7	1	45	1														
6	1.2D+1.0Wo (150 ...	Yes	Y		1	1.2	39	1.2	8	1	46	1														
7	1.2D+1.0Wo (180 ...	Yes	Y		1	1.2	39	1.2	9	1	47	1														
8	1.2D+1.0Wo (210 ...	Yes	Y		1	1.2	39	1.2	10	1	48	1														
9	1.2D+1.0Wo (240 ...	Yes	Y		1	1.2	39	1.2	11	1	49	1														
10	1.2D+1.0Wo (270 ...	Yes	Y		1	1.2	39	1.2	12	1	50	1														
11	1.2D+1.0Wo (300 ...	Yes	Y		1	1.2	39	1.2	13	1	51	1														
12	1.2D+1.0Wo (330 ...	Yes	Y		1	1.2	39	1.2	14	1	52	1														
13	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										
15	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1										
16	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1										

Load Combinations (Continued)

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
17	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic Mass		Y		1	1	39	1																
53	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0Ev + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N87	0	0	0	0	
2	N88	0	0	-1.083333	0	
3	N90A	0	0	-9.479167	0	
4	N125	0	0	-8.416667	0	
5	N126	0.166667	0	-8.416667	0	
6	N127	-0.166667	0	-8.416667	0	
7	N128	0	0.166667	-8.416667	0	
8	N129	0.166667	0.166667	-8.416667	0	
9	N130	-0.166667	0.166667	-8.416667	0	
10	N131	0	-0.166667	-8.416667	0	
11	N132	0.166667	-0.166667	-8.416667	0	
12	N133	-0.166667	-0.166667	-8.416667	0	
13	N100	-0.938194	0	0.541667	0	
14	N101	-8.209199	0	4.739583	0	
15	N102	-7.289047	0	4.208333	0	
16	N103	-7.37238	0	4.063996	0	
17	N104	-7.205714	0	4.352671	0	
18	N105	-7.289047	0.166667	4.208333	0	
19	N106	-7.37238	0.166667	4.063996	0	
20	N107	-7.205714	0.166667	4.352671	0	
21	N108	-7.289047	-0.166667	4.208333	0	
22	N109	-7.37238	-0.166667	4.063996	0	
23	N110	-7.205714	-0.166667	4.352671	0	
24	N112	0.938194	0	0.541667	0	
25	N113	8.209199	0	4.739583	0	
26	N114	7.289047	0	4.208333	0	
27	N115	7.205714	0	4.352671	0	
28	N116	7.37238	0	4.063996	0	
29	N117	7.289047	0.166667	4.208333	0	
30	N118	7.205714	0.166667	4.352671	0	
31	N119	7.37238	0.166667	4.063996	0	
32	N120	7.289047	-0.166667	4.208333	0	
33	N121	7.205714	-0.166667	4.352671	0	
34	N122	7.37238	-0.166667	4.063996	0	
35	N121A	-5.039047	0	4.352671	0	
36	N122A	-2.914047	0	4.352671	0	
37	N123	-0.12238	0	4.352671	0	
38	N124	4.87762	0	4.352671	0	
39	N125A	-5.039047	0	4.602671	0	
40	N126A	-2.914047	0	4.602671	0	
41	N127A	-0.12238	0	4.602671	0	
42	N128A	4.87762	0	4.602671	0	
43	N129A	-5.039047	6.166667	4.602671	0	
44	N130A	-2.914047	6.166667	4.602671	0	
45	N131A	-0.12238	6.166667	4.602671	0	
46	N132A	4.87762	6.166667	4.602671	0	
47	N133A	-5.039047	-2.333333	4.602671	0	
48	N134	-2.914047	-2.333333	4.602671	0	
49	N135	-0.12238	-2.333333	4.602671	0	
50	N136	4.87762	-2.333333	4.602671	0	
51	N138	6.289047	0	2.187607	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N139	5.226547	0	0.347303	0	
53	N140	3.830714	0	-2.070351	0	
54	N141	1.330714	0	-6.400478	0	
55	N142	6.505553	0	2.062607	0	
56	N143	5.443053	0	0.222303	0	
57	N144	4.04722	0	-2.195351	0	
58	N145	1.54722	0	-6.525478	0	
59	N146	6.505553	6.166667	2.062607	0	
60	N147	5.443053	6.166667	0.222303	0	
61	N148	4.04722	6.166667	-2.195351	0	
62	N149	1.54722	6.166667	-6.525478	0	
63	N150	6.505553	-2.333333	2.062607	0	
64	N151	5.443053	-2.333333	0.222303	0	
65	N152	4.04722	-2.333333	-2.195351	0	
66	N153	1.54722	-2.333333	-6.525478	0	
67	N155	-1.25	0	-6.540278	0	
68	N156	-2.3125	0	-4.699974	0	
69	N157	-3.708333	0	-2.28232	0	
70	N158	-6.208333	0	2.047807	0	
71	N159	-1.466506	0	-6.665278	0	
72	N160	-2.529006	0	-4.824974	0	
73	N161	-3.92484	0	-2.40732	0	
74	N162	-6.42484	0	1.922807	0	
75	N163	-1.466506	6.166667	-6.665278	0	
76	N164	-2.529006	6.166667	-4.824974	0	
77	N165	-3.92484	6.166667	-2.40732	0	
78	N166	-6.42484	6.166667	1.922807	0	
79	N167	-1.466506	-2.333333	-6.665278	0	
80	N168	-2.529006	-2.333333	-4.824974	0	
81	N169	-3.92484	-2.333333	-2.40732	0	
82	N170	-6.42484	-2.333333	1.922807	0	
83	N83	0	0	-3.083333	0	
84	N84	0	2.5	-3.083333	0	
85	N85	0	0	-6.916667	0	
86	N87A	-5.990009	0	3.458333	0	
87	N89	5.990009	0	3.458333	0	
88	N88A	0.166667	3.5	-8.416667	0	
89	N89A	-0.166667	3.5	-8.416667	0	
90	N90	-7.37238	3.5	4.063996	0	
91	N91	-7.205714	3.5	4.352671	0	
92	N92	7.205714	3.5	4.352671	0	
93	N93	7.37238	3.5	4.063996	0	
94	N94	-5.039047	3.5	4.352671	0	
95	N95	-2.914047	3.5	4.352671	0	
96	N96	-0.12238	3.5	4.352671	0	
97	N97	4.87762	3.5	4.352671	0	
98	N98	-5.039047	3.5	4.602671	0	
99	N99	-2.914047	3.5	4.602671	0	
100	N100A	-0.12238	3.5	4.602671	0	
101	N101A	4.87762	3.5	4.602671	0	
102	N102A	6.289047	3.5	2.187607	0	
103	N103A	5.226547	3.5	0.347303	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104A	3.830714	3.5	-2.070351	0	
105	N105A	1.330714	3.5	-6.400478	0	
106	N106A	6.505553	3.5	2.062607	0	
107	N107A	5.443053	3.5	0.222303	0	
108	N108A	4.04722	3.5	-2.195351	0	
109	N109A	1.54722	3.5	-6.525478	0	
110	N110A	-1.25	3.5	-6.540278	0	
111	N111	-2.3125	3.5	-4.699974	0	
112	N112A	-3.708333	3.5	-2.28232	0	
113	N113A	-6.208333	3.5	2.047807	0	
114	N114A	-1.466506	3.5	-6.665278	0	
115	N115A	-2.529006	3.5	-4.824974	0	
116	N116A	-3.92484	3.5	-2.40732	0	
117	N117A	-6.42484	3.5	1.922807	0	
118	N118A	-6.205714	3.5	4.352671	0	
119	N119A	6.205714	3.5	4.352671	0	
120	N121B	6.87238	3.5	3.19797	0	
121	N122B	0.666667	3.5	-7.550641	0	
122	N124A	-0.666667	3.5	-7.550641	0	
123	N125B	-6.87238	3.5	3.19797	0	
124	N124B	0	-4	-1.083333	0	
125	N125C	-0.938194	-4	0.541667	0	
126	N126B	0.938194	-4	0.541667	0	
127	N127B	0	0	-5.083333	0	
128	N130B	-4.402296	0	2.541667	0	
129	N133B	4.402296	0	2.541667	0	
130	N130C	-6.205714	3.5	4.188671	0	
131	N131B	6.205714	3.5	4.188671	0	
132	N135A	6.730352	3.5	3.27997	0	
133	N136A	0.524639	3.5	-7.468641	0	
134	N140A	-0.524639	3.5	-7.468641	0	
135	N141A	-6.730352	3.5	3.27997	0	
136	N136B	-2.670245	0	1.541667	0	
137	N138A	-2.670245	2.5	1.541667	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B...	Typical	3.37	7.8	7.8	12.8
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B...	Typical	3.37	7.8	7.8	12.8
3	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
4	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
5	Support Rail Corner Angle	L3X3X6	Beam	Single Angle	A36 Gr.36	Typical	2.11	1.75	1.75	.101
6	Kicker	LL3x3x3x3	Beam	Single Angle	A36 Gr.36	Typical	2.18	4.09	1.9	.027

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...Density[k/ft...		Yield[ksi]	Ry	Fu[ksi]	Rt
1	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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1E..	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M69	N88	N90A			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
2	M99	N133	N132			RIGID	None	None	RIGID	Typical
3	M100	N132	N129			RIGID	None	None	RIGID	Typical
4	M101	N129	N130			RIGID	None	None	RIGID	Typical
5	M102	N130	N133			RIGID	None	None	RIGID	Typical
6	M103	N127	N125			RIGID	None	None	RIGID	Typical
7	M104	N128	N125			RIGID	None	None	RIGID	Typical
8	M105	N126	N125			RIGID	None	None	RIGID	Typical
9	M106	N131	N125			RIGID	None	None	RIGID	Typical
10	M78	N100	N101			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
11	M79	N110	N109			RIGID	None	None	RIGID	Typical
12	M80	N109	N106			RIGID	None	None	RIGID	Typical
13	M81	N106	N107			RIGID	None	None	RIGID	Typical
14	M82	N107	N110			RIGID	None	None	RIGID	Typical
15	M83	N104	N102			RIGID	None	None	RIGID	Typical
16	M84	N105	N102			RIGID	None	None	RIGID	Typical
17	M85	N103	N102			RIGID	None	None	RIGID	Typical
18	M86	N108	N102			RIGID	None	None	RIGID	Typical
19	M87	N112	N113			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
20	M88	N122	N121			RIGID	None	None	RIGID	Typical
21	M89	N121	N118			RIGID	None	None	RIGID	Typical
22	M90	N118	N119			RIGID	None	None	RIGID	Typical
23	M91	N119	N122			RIGID	None	None	RIGID	Typical
24	M92	N116	N114			RIGID	None	None	RIGID	Typical
25	M93	N117	N114			RIGID	None	None	RIGID	Typical
26	M94	N115	N114			RIGID	None	None	RIGID	Typical
27	M95	N120	N114			RIGID	None	None	RIGID	Typical
28	M96	N116	N126			Face Horizontal	Beam	SquareTube	A500 Gr....	Typical
29	M97	N127	N103			Face Horizontal	Beam	SquareTube	A500 Gr....	Typical
30	M98	N104	N115			Face Horizontal	Beam	SquareTube	A500 Gr....	Typical
31	M99A	N121A	N125A			RIGID	None	None	RIGID	Typical
32	M100A	N122A	N126A			RIGID	None	None	RIGID	Typical
33	M101A	N123	N127A			RIGID	None	None	RIGID	Typical
34	M102A	N124	N128A			RIGID	None	None	RIGID	Typical
35	MP4A	N133A	N129A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
36	MP3A	N134	N130A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
37	MP2A	N135	N131A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
38	MP1A	N136	N132A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
39	M107	N138	N142			RIGID	None	None	RIGID	Typical
40	M108	N139	N143			RIGID	None	None	RIGID	Typical
41	M109	N140	N144			RIGID	None	None	RIGID	Typical
42	M110	N141	N145			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
43	MP4C	N150	N146			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
44	MP3C	N151	N147			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
45	MP2C	N152	N148			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
46	MP1C	N153	N149			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
47	M115	N155	N159			RIGID	None	None	RIGID	Typical
48	M116	N156	N160			RIGID	None	None	RIGID	Typical
49	M117	N157	N161			RIGID	None	None	RIGID	Typical
50	M118	N158	N162			RIGID	None	None	RIGID	Typical
51	MP4B	N167	N163			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
52	MP3B	N168	N164			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
53	MP2B	N169	N165			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
54	MP1B	N170	N166			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
55	M55	N83	N84			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
56	M56	N93	N88A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
57	M57	N89A	N90			Support Rail	Beam	Pipe	A53 Gr.B	Typical
58	M58	N91	N92			Support Rail	Beam	Pipe	A53 Gr.B	Typical
59	M59	N94	N98			RIGID	None	None	RIGID	Typical
60	M60	N95	N99			RIGID	None	None	RIGID	Typical
61	M61	N96	N100A			RIGID	None	None	RIGID	Typical
62	M62	N97	N101A			RIGID	None	None	RIGID	Typical
63	M63	N102A	N106A			RIGID	None	None	RIGID	Typical
64	M64	N103A	N107A			RIGID	None	None	RIGID	Typical
65	M65	N104A	N108A			RIGID	None	None	RIGID	Typical
66	M66	N105A	N109A			RIGID	None	None	RIGID	Typical
67	M67	N110A	N114A			RIGID	None	None	RIGID	Typical
68	M68	N111	N115A			RIGID	None	None	RIGID	Typical
69	M69A	N112A	N116A			RIGID	None	None	RIGID	Typical
70	M70	N113A	N117A			RIGID	None	None	RIGID	Typical
71	M71	N130C	N141A		90	Support Rail Corne...	Beam	Single Angle	A36 Gr.36	Typical
72	M72	N140A	N136A		90	Support Rail Corne...	Beam	Single Angle	A36 Gr.36	Typical
73	M73	N135A	N131B		90	Support Rail Corne...	Beam	Single Angle	A36 Gr.36	Typical
74	M74	N124B	N127B			Kicker	Beam	Single Angle	A36 Gr.36	Typical
75	M75	N125C	N130B			Kicker	Beam	Single Angle	A36 Gr.36	Typical
76	M76	N126B	N133B			Kicker	Beam	Single Angle	A36 Gr.36	Typical
77	M77	N118A	N130C			RIGID	None	None	RIGID	Typical
78	M78A	N119A	N131B			RIGID	None	None	RIGID	Typical
79	M79A	N121B	N135A			RIGID	None	None	RIGID	Typical
80	M80A	N122B	N136A			RIGID	None	None	RIGID	Typical
81	M81A	N124A	N140A			RIGID	None	None	RIGID	Typical
82	M82A	N125B	N141A			RIGID	None	None	RIGID	Typical
83	M83A	N136B	N138A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M69						Yes				None
2	M99						Yes	** NA **			None
3	M100						Yes	** NA **			None
4	M101						Yes	** NA **			None
5	M102						Yes	** NA **			None
6	M103		BenPIN				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	M104		BenPIN				Yes	** NA **			None
8	M105		BenPIN				Yes	** NA **			None
9	M106		BenPIN				Yes	** NA **			None
10	M78						Yes				None
11	M79						Yes	** NA **			None
12	M80						Yes	** NA **			None
13	M81						Yes	** NA **			None
14	M82						Yes	** NA **			None
15	M83		BenPIN				Yes	** NA **			None
16	M84		BenPIN				Yes	** NA **			None
17	M85		BenPIN				Yes	** NA **			None
18	M86		BenPIN				Yes	** NA **			None
19	M87						Yes				None
20	M88						Yes	** NA **			None
21	M89						Yes	** NA **			None
22	M90						Yes	** NA **			None
23	M91						Yes	** NA **			None
24	M92		BenPIN				Yes	** NA **			None
25	M93		BenPIN				Yes	** NA **			None
26	M94		BenPIN				Yes	** NA **			None
27	M95		BenPIN				Yes	** NA **			None
28	M96						Yes				None
29	M97						Yes				None
30	M98						Yes				None
31	M99A						Yes	** NA **			None
32	M100A						Yes	** NA **			None
33	M101A						Yes	** NA **			None
34	M102A						Yes	** NA **			None
35	MP4A						Yes	** NA **			None
36	MP3A						Yes	** NA **			None
37	MP2A						Yes	** NA **			None
38	MP1A						Yes	** NA **			None
39	M107						Yes	** NA **			None
40	M108						Yes	** NA **			None
41	M109						Yes	** NA **			None
42	M110						Yes	** NA **			None
43	MP4C						Yes	** NA **			None
44	MP3C						Yes	** NA **			None
45	MP2C						Yes	** NA **			None
46	MP1C						Yes	** NA **			None
47	M115						Yes	** NA **			None
48	M116						Yes	** NA **			None
49	M117						Yes	** NA **			None
50	M118						Yes	** NA **			None
51	MP4B						Yes	** NA **			None
52	MP3B						Yes	** NA **			None
53	MP2B						Yes	** NA **			None
54	MP1B						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56						Yes				None
57	M57						Yes	Default			None
58	M58						Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
59	M59						Yes	** NA **			None
60	M60						Yes	** NA **			None
61	M61						Yes	** NA **			None
62	M62						Yes	** NA **			None
63	M63						Yes	** NA **			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66						Yes	** NA **			None
67	M67						Yes	** NA **			None
68	M68						Yes	** NA **			None
69	M69A						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	Default			None
72	M72						Yes	Default			None
73	M73						Yes	Default			None
74	M74	BenPIN	BenPIN				Yes	Default			None
75	M75	BenPIN	BenPIN				Yes	Default			None
76	M76	BenPIN	BenPIN				Yes	Default			None
77	M77	OOOOOX					Yes	** NA **			None
78	M78A	OOOOOX					Yes	** NA **			None
79	M79A	OOOOOX					Yes	** NA **			None
80	M80A	OOOOOX					Yes	** NA **			None
81	M81A	OOOOOX					Yes	** NA **			None
82	M82A	OOOOOX					Yes	** NA **			None
83	M83A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-15.3	2.25
2	MP4A	My	-.007	2.25
3	MP4A	Mz	-.003	2.25
4	MP4A	Y	-15.3	6.25
5	MP4A	My	-.007	6.25
6	MP4A	Mz	-.003	6.25
7	MP4B	Y	-15.3	2.25
8	MP4B	My	.004	2.25
9	MP4B	Mz	-.007	2.25
10	MP4B	Y	-15.3	6.25
11	MP4B	My	.004	6.25
12	MP4B	Mz	-.007	6.25
13	MP4C	Y	-15.3	2.25
14	MP4C	My	.006	2.25
15	MP4C	Mz	.005	2.25
16	MP4C	Y	-15.3	6.25
17	MP4C	My	.006	6.25
18	MP4C	Mz	.005	6.25
19	MP2A	Y	-32.5	1.25
20	MP2A	My	-.015	1.25
21	MP2A	Mz	-.006	1.25
22	MP2A	Y	-32.5	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	My	-.015	7.25
24	MP2A	Mz	-.006	7.25
25	MP2B	Y	-32.5	1.25
26	MP2B	My	.008	1.25
27	MP2B	Mz	-.014	1.25
28	MP2B	Y	-32.5	7.25
29	MP2B	My	.008	7.25
30	MP2B	Mz	-.014	7.25
31	MP2C	Y	-32.5	1.25
32	MP2C	My	.012	1.25
33	MP2C	Mz	.01	1.25
34	MP2C	Y	-32.5	7.25
35	MP2C	My	.012	7.25
36	MP2C	Mz	.01	7.25
37	MP3A	Y	-32.5	1.25
38	MP3A	My	-.015	1.25
39	MP3A	Mz	-.006	1.25
40	MP3A	Y	-32.5	7.25
41	MP3A	My	-.015	7.25
42	MP3A	Mz	-.006	7.25
43	MP3B	Y	-32.5	1.25
44	MP3B	My	.008	1.25
45	MP3B	Mz	-.014	1.25
46	MP3B	Y	-32.5	7.25
47	MP3B	My	.008	7.25
48	MP3B	Mz	-.014	7.25
49	MP3C	Y	-32.5	1.25
50	MP3C	My	.012	1.25
51	MP3C	Mz	.01	1.25
52	MP3C	Y	-32.5	7.25
53	MP3C	My	.012	7.25
54	MP3C	Mz	.01	7.25
55	M55	Y	-32	2
56	M55	My	0	2
57	M55	Mz	0	2
58	MP1A	Y	-43.55	2.75
59	MP1A	My	-.02	2.75
60	MP1A	Mz	-.007	2.75
61	MP1A	Y	-43.55	5.75
62	MP1A	My	-.02	5.75
63	MP1A	Mz	-.007	5.75
64	MP1B	Y	-43.55	2.75
65	MP1B	My	.011	2.75
66	MP1B	Mz	-.019	2.75
67	MP1B	Y	-43.55	5.75
68	MP1B	My	.011	5.75
69	MP1B	Mz	-.019	5.75
70	MP1C	Y	-43.55	2.75
71	MP1C	My	.017	2.75
72	MP1C	Mz	.014	2.75
73	MP1C	Y	-43.55	5.75
74	MP1C	My	.017	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1C	Mz	.014	5.75
76	MP2A	Y	-84.4	4.25
77	MP2A	My	.04	4.25
78	MP2A	Mz	.014	4.25
79	MP2B	Y	-84.4	4.25
80	MP2B	My	-.021	4.25
81	MP2B	Mz	.037	4.25
82	MP2C	Y	-84.4	4.25
83	MP2C	My	-.032	4.25
84	MP2C	Mz	-.027	4.25
85	MP3A	Y	-70.3	4.25
86	MP3A	My	.033	4.25
87	MP3A	Mz	.012	4.25
88	MP3B	Y	-70.3	4.25
89	MP3B	My	-.018	4.25
90	MP3B	Mz	.03	4.25
91	MP3C	Y	-70.3	4.25
92	MP3C	My	-.027	4.25
93	MP3C	Mz	-.023	4.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	Y	-40.41	2.25
2	MP4A	My	-.019	2.25
3	MP4A	Mz	-.007	2.25
4	MP4A	Y	-40.41	6.25
5	MP4A	My	-.019	6.25
6	MP4A	Mz	-.007	6.25
7	MP4B	Y	-40.41	2.25
8	MP4B	My	.01	2.25
9	MP4B	Mz	-.017	2.25
10	MP4B	Y	-40.41	6.25
11	MP4B	My	.01	6.25
12	MP4B	Mz	-.017	6.25
13	MP4C	Y	-40.41	2.25
14	MP4C	My	.015	2.25
15	MP4C	Mz	.013	2.25
16	MP4C	Y	-40.41	6.25
17	MP4C	My	.015	6.25
18	MP4C	Mz	.013	6.25
19	MP2A	Y	-64.922	1.25
20	MP2A	My	-.031	1.25
21	MP2A	Mz	-.011	1.25
22	MP2A	Y	-64.922	7.25
23	MP2A	My	-.031	7.25
24	MP2A	Mz	-.011	7.25
25	MP2B	Y	-64.922	1.25
26	MP2B	My	.016	1.25
27	MP2B	Mz	-.028	1.25
28	MP2B	Y	-64.922	7.25
29	MP2B	My	.016	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mz	-.028	7.25
31	MP2C	Y	-64.922	1.25
32	MP2C	My	.025	1.25
33	MP2C	Mz	.021	1.25
34	MP2C	Y	-64.922	7.25
35	MP2C	My	.025	7.25
36	MP2C	Mz	.021	7.25
37	MP3A	Y	-64.922	1.25
38	MP3A	My	-.031	1.25
39	MP3A	Mz	-.011	1.25
40	MP3A	Y	-64.922	7.25
41	MP3A	My	-.031	7.25
42	MP3A	Mz	-.011	7.25
43	MP3B	Y	-64.922	1.25
44	MP3B	My	.016	1.25
45	MP3B	Mz	-.028	1.25
46	MP3B	Y	-64.922	7.25
47	MP3B	My	.016	7.25
48	MP3B	Mz	-.028	7.25
49	MP3C	Y	-64.922	1.25
50	MP3C	My	.025	1.25
51	MP3C	Mz	.021	1.25
52	MP3C	Y	-64.922	7.25
53	MP3C	My	.025	7.25
54	MP3C	Mz	.021	7.25
55	M55	Y	-82.586	2
56	M55	My	0	2
57	M55	Mz	0	2
58	MP1A	Y	-33.514	2.75
59	MP1A	My	-.016	2.75
60	MP1A	Mz	-.006	2.75
61	MP1A	Y	-33.514	5.75
62	MP1A	My	-.016	5.75
63	MP1A	Mz	-.006	5.75
64	MP1B	Y	-33.514	2.75
65	MP1B	My	.008	2.75
66	MP1B	Mz	-.015	2.75
67	MP1B	Y	-33.514	5.75
68	MP1B	My	.008	5.75
69	MP1B	Mz	-.015	5.75
70	MP1C	Y	-33.514	2.75
71	MP1C	My	.013	2.75
72	MP1C	Mz	.011	2.75
73	MP1C	Y	-33.514	5.75
74	MP1C	My	.013	5.75
75	MP1C	Mz	.011	5.75
76	MP2A	Y	-42.097	4.25
77	MP2A	My	.02	4.25
78	MP2A	Mz	.007	4.25
79	MP2B	Y	-42.097	4.25
80	MP2B	My	-.011	4.25
81	MP2B	Mz	.018	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP2C	Y	-42.097	4.25
83	MP2C	My	-.016	4.25
84	MP2C	Mz	-.014	4.25
85	MP3A	Y	-37.841	4.25
86	MP3A	My	.018	4.25
87	MP3A	Mz	.006	4.25
88	MP3B	Y	-37.841	4.25
89	MP3B	My	-.009	4.25
90	MP3B	Mz	.016	4.25
91	MP3C	Y	-37.841	4.25
92	MP3C	My	-.014	4.25
93	MP3C	Mz	-.012	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.25
2	MP4A	Z	-73.961	2.25
3	MP4A	Mx	.013	2.25
4	MP4A	X	0	6.25
5	MP4A	Z	-73.961	6.25
6	MP4A	Mx	.013	6.25
7	MP4B	X	0	2.25
8	MP4B	Z	-54.525	2.25
9	MP4B	Mx	.024	2.25
10	MP4B	X	0	6.25
11	MP4B	Z	-54.525	6.25
12	MP4B	Mx	.024	6.25
13	MP4C	X	0	2.25
14	MP4C	Z	-64.867	2.25
15	MP4C	Mx	-.021	2.25
16	MP4C	X	0	6.25
17	MP4C	Z	-64.867	6.25
18	MP4C	Mx	-.021	6.25
19	MP2A	X	0	1.25
20	MP2A	Z	-113.893	1.25
21	MP2A	Mx	.019	1.25
22	MP2A	X	0	7.25
23	MP2A	Z	-113.893	7.25
24	MP2A	Mx	.019	7.25
25	MP2B	X	0	1.25
26	MP2B	Z	-101.869	1.25
27	MP2B	Mx	.044	1.25
28	MP2B	X	0	7.25
29	MP2B	Z	-101.869	7.25
30	MP2B	Mx	.044	7.25
31	MP2C	X	0	1.25
32	MP2C	Z	-108.267	1.25
33	MP2C	Mx	-.035	1.25
34	MP2C	X	0	7.25
35	MP2C	Z	-108.267	7.25
36	MP2C	Mx	-.035	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	0	1.25
38	MP3A	Z	-113.893	1.25
39	MP3A	Mx	.019	1.25
40	MP3A	X	0	7.25
41	MP3A	Z	-113.893	7.25
42	MP3A	Mx	.019	7.25
43	MP3B	X	0	1.25
44	MP3B	Z	-101.869	1.25
45	MP3B	Mx	.044	1.25
46	MP3B	X	0	7.25
47	MP3B	Z	-101.869	7.25
48	MP3B	Mx	.044	7.25
49	MP3C	X	0	1.25
50	MP3C	Z	-108.267	1.25
51	MP3C	Mx	-.035	1.25
52	MP3C	X	0	7.25
53	MP3C	Z	-108.267	7.25
54	MP3C	Mx	-.035	7.25
55	M55	X	0	2
56	M55	Z	-111.944	2
57	M55	Mx	0	2
58	MP1A	X	0	2.75
59	MP1A	Z	-62.349	2.75
60	MP1A	Mx	.011	2.75
61	MP1A	X	0	5.75
62	MP1A	Z	-62.349	5.75
63	MP1A	Mx	.011	5.75
64	MP1B	X	0	2.75
65	MP1B	Z	-36.492	2.75
66	MP1B	Mx	.016	2.75
67	MP1B	X	0	5.75
68	MP1B	Z	-36.492	5.75
69	MP1B	Mx	.016	5.75
70	MP1C	X	0	2.75
71	MP1C	Z	-50.25	2.75
72	MP1C	Mx	-.016	2.75
73	MP1C	X	0	5.75
74	MP1C	Z	-50.25	5.75
75	MP1C	Mx	-.016	5.75
76	MP2A	X	0	4.25
77	MP2A	Z	-50.974	4.25
78	MP2A	Mx	-.009	4.25
79	MP2B	X	0	4.25
80	MP2B	Z	-39.844	4.25
81	MP2B	Mx	-.017	4.25
82	MP2C	X	0	4.25
83	MP2C	Z	-45.766	4.25
84	MP2C	Mx	.015	4.25
85	MP3A	X	0	4.25
86	MP3A	Z	-50.186	4.25
87	MP3A	Mx	-.009	4.25
88	MP3B	X	0	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP3B	Z	-34.793	4.25
90	MP3B	Mx	-.015	4.25
91	MP3C	X	0	4.25
92	MP3C	Z	-42.983	4.25
93	MP3C	Mx	.014	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	38.314	2.25
2	MP4A	Z	-66.361	2.25
3	MP4A	Mx	-.007	2.25
4	MP4A	X	38.314	6.25
5	MP4A	Z	-66.361	6.25
6	MP4A	Mx	-.007	6.25
7	MP4B	X	23.425	2.25
8	MP4B	Z	-40.573	2.25
9	MP4B	Mx	.023	2.25
10	MP4B	X	23.425	6.25
11	MP4B	Z	-40.573	6.25
12	MP4B	Mx	.023	6.25
13	MP4C	X	38.314	2.25
14	MP4C	Z	-66.361	2.25
15	MP4C	Mx	-.007	2.25
16	MP4C	X	38.314	6.25
17	MP4C	Z	-66.361	6.25
18	MP4C	Mx	-.007	6.25
19	MP2A	X	57.771	1.25
20	MP2A	Z	-100.063	1.25
21	MP2A	Mx	-.01	1.25
22	MP2A	X	57.771	7.25
23	MP2A	Z	-100.063	7.25
24	MP2A	Mx	-.01	7.25
25	MP2B	X	48.56	1.25
26	MP2B	Z	-84.108	1.25
27	MP2B	Mx	.049	1.25
28	MP2B	X	48.56	7.25
29	MP2B	Z	-84.108	7.25
30	MP2B	Mx	.049	7.25
31	MP2C	X	57.771	1.25
32	MP2C	Z	-100.063	1.25
33	MP2C	Mx	-.01	1.25
34	MP2C	X	57.771	7.25
35	MP2C	Z	-100.063	7.25
36	MP2C	Mx	-.01	7.25
37	MP3A	X	57.771	1.25
38	MP3A	Z	-100.063	1.25
39	MP3A	Mx	-.01	1.25
40	MP3A	X	57.771	7.25
41	MP3A	Z	-100.063	7.25
42	MP3A	Mx	-.01	7.25
43	MP3B	X	48.56	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	-84.108	1.25
45	MP3B	Mx	.049	1.25
46	MP3B	X	48.56	7.25
47	MP3B	Z	-84.108	7.25
48	MP3B	Mx	.049	7.25
49	MP3C	X	57.771	1.25
50	MP3C	Z	-100.063	1.25
51	MP3C	Mx	-.01	1.25
52	MP3C	X	57.771	7.25
53	MP3C	Z	-100.063	7.25
54	MP3C	Mx	-.01	7.25
55	M55	X	57.157	2
56	M55	Z	-98.998	2
57	M55	Mx	0	2
58	MP1A	X	32.948	2.75
59	MP1A	Z	-57.067	2.75
60	MP1A	Mx	-.006	2.75
61	MP1A	X	32.948	5.75
62	MP1A	Z	-57.067	5.75
63	MP1A	Mx	-.006	5.75
64	MP1B	X	13.14	2.75
65	MP1B	Z	-22.759	2.75
66	MP1B	Mx	.013	2.75
67	MP1B	X	13.14	5.75
68	MP1B	Z	-22.759	5.75
69	MP1B	Mx	.013	5.75
70	MP1C	X	32.948	2.75
71	MP1C	Z	-57.067	2.75
72	MP1C	Mx	-.006	2.75
73	MP1C	X	32.948	5.75
74	MP1C	Z	-57.067	5.75
75	MP1C	Mx	-.006	5.75
76	MP2A	X	26.25	4.25
77	MP2A	Z	-45.467	4.25
78	MP2A	Mx	.005	4.25
79	MP2B	X	17.724	4.25
80	MP2B	Z	-30.699	4.25
81	MP2B	Mx	-.018	4.25
82	MP2C	X	26.25	4.25
83	MP2C	Z	-45.467	4.25
84	MP2C	Mx	.005	4.25
85	MP3A	X	26.149	4.25
86	MP3A	Z	-45.291	4.25
87	MP3A	Mx	.005	4.25
88	MP3B	X	14.357	4.25
89	MP3B	Z	-24.866	4.25
90	MP3B	Mx	-.014	4.25
91	MP3C	X	26.149	4.25
92	MP3C	Z	-45.291	4.25
93	MP3C	Mx	.005	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	56.176	2.25
2	MP4A	Z	-32.433	2.25
3	MP4A	Mx	-.021	2.25
4	MP4A	X	56.176	6.25
5	MP4A	Z	-32.433	6.25
6	MP4A	Mx	-.021	6.25
7	MP4B	X	47.22	2.25
8	MP4B	Z	-27.263	2.25
9	MP4B	Mx	.024	2.25
10	MP4B	X	47.22	6.25
11	MP4B	Z	-27.263	6.25
12	MP4B	Mx	.024	6.25
13	MP4C	X	64.052	2.25
14	MP4C	Z	-36.981	2.25
15	MP4C	Mx	.013	2.25
16	MP4C	X	64.052	6.25
17	MP4C	Z	-36.981	6.25
18	MP4C	Mx	.013	6.25
19	MP2A	X	93.762	1.25
20	MP2A	Z	-54.133	1.25
21	MP2A	Mx	-.035	1.25
22	MP2A	X	93.762	7.25
23	MP2A	Z	-54.133	7.25
24	MP2A	Mx	-.035	7.25
25	MP2B	X	88.221	1.25
26	MP2B	Z	-50.934	1.25
27	MP2B	Mx	.044	1.25
28	MP2B	X	88.221	7.25
29	MP2B	Z	-50.934	7.25
30	MP2B	Mx	.044	7.25
31	MP2C	X	98.634	1.25
32	MP2C	Z	-56.947	1.25
33	MP2C	Mx	.019	1.25
34	MP2C	X	98.634	7.25
35	MP2C	Z	-56.947	7.25
36	MP2C	Mx	.019	7.25
37	MP3A	X	93.762	1.25
38	MP3A	Z	-54.133	1.25
39	MP3A	Mx	-.035	1.25
40	MP3A	X	93.762	7.25
41	MP3A	Z	-54.133	7.25
42	MP3A	Mx	-.035	7.25
43	MP3B	X	88.221	1.25
44	MP3B	Z	-50.934	1.25
45	MP3B	Mx	.044	1.25
46	MP3B	X	88.221	7.25
47	MP3B	Z	-50.934	7.25
48	MP3B	Mx	.044	7.25
49	MP3C	X	98.634	1.25
50	MP3C	Z	-56.947	1.25
51	MP3C	Mx	.019	1.25
52	MP3C	X	98.634	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-56.947	7.25
54	MP3C	Mx	.019	7.25
55	M55	X	89.944	2
56	M55	Z	-51.929	2
57	M55	Mx	0	2
58	MP1A	X	43.518	2.75
59	MP1A	Z	-25.125	2.75
60	MP1A	Mx	-.016	2.75
61	MP1A	X	43.518	5.75
62	MP1A	Z	-25.125	5.75
63	MP1A	Mx	-.016	5.75
64	MP1B	X	31.603	2.75
65	MP1B	Z	-18.246	2.75
66	MP1B	Mx	.016	2.75
67	MP1B	X	31.603	5.75
68	MP1B	Z	-18.246	5.75
69	MP1B	Mx	.016	5.75
70	MP1C	X	53.996	2.75
71	MP1C	Z	-31.174	2.75
72	MP1C	Mx	.011	2.75
73	MP1C	X	53.996	5.75
74	MP1C	Z	-31.174	5.75
75	MP1C	Mx	.011	5.75
76	MP2A	X	39.635	4.25
77	MP2A	Z	-22.883	4.25
78	MP2A	Mx	.015	4.25
79	MP2B	X	34.506	4.25
80	MP2B	Z	-19.922	4.25
81	MP2B	Mx	-.017	4.25
82	MP2C	X	44.145	4.25
83	MP2C	Z	-25.487	4.25
84	MP2C	Mx	-.009	4.25
85	MP3A	X	37.225	4.25
86	MP3A	Z	-21.492	4.25
87	MP3A	Mx	.014	4.25
88	MP3B	X	30.131	4.25
89	MP3B	Z	-17.396	4.25
90	MP3B	Mx	-.015	4.25
91	MP3C	X	43.463	4.25
92	MP3C	Z	-25.093	4.25
93	MP3C	Mx	-.009	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	50.441	2.25
2	MP4A	Z	0	2.25
3	MP4A	Mx	-.024	2.25
4	MP4A	X	50.441	6.25
5	MP4A	Z	0	6.25
6	MP4A	Mx	-.024	6.25
7	MP4B	X	69.877	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	0	2.25
9	MP4B	Mx	.017	2.25
10	MP4B	X	69.877	6.25
11	MP4B	Z	0	6.25
12	MP4B	Mx	.017	6.25
13	MP4C	X	59.535	2.25
14	MP4C	Z	0	2.25
15	MP4C	Mx	.023	2.25
16	MP4C	X	59.535	6.25
17	MP4C	Z	0	6.25
18	MP4C	Mx	.023	6.25
19	MP2A	X	99.342	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	-.047	1.25
22	MP2A	X	99.342	7.25
23	MP2A	Z	0	7.25
24	MP2A	Mx	-.047	7.25
25	MP2B	X	111.366	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	.028	1.25
28	MP2B	X	111.366	7.25
29	MP2B	Z	0	7.25
30	MP2B	Mx	.028	7.25
31	MP2C	X	104.968	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	.04	1.25
34	MP2C	X	104.968	7.25
35	MP2C	Z	0	7.25
36	MP2C	Mx	.04	7.25
37	MP3A	X	99.342	1.25
38	MP3A	Z	0	1.25
39	MP3A	Mx	-.047	1.25
40	MP3A	X	99.342	7.25
41	MP3A	Z	0	7.25
42	MP3A	Mx	-.047	7.25
43	MP3B	X	111.366	1.25
44	MP3B	Z	0	1.25
45	MP3B	Mx	.028	1.25
46	MP3B	X	111.366	7.25
47	MP3B	Z	0	7.25
48	MP3B	Mx	.028	7.25
49	MP3C	X	104.968	1.25
50	MP3C	Z	0	1.25
51	MP3C	Mx	.04	1.25
52	MP3C	X	104.968	7.25
53	MP3C	Z	0	7.25
54	MP3C	Mx	.04	7.25
55	M55	X	91.034	2
56	M55	Z	0	2
57	M55	Mx	0	2
58	MP1A	X	31.058	2.75
59	MP1A	Z	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.015	2.75
61	MP1A	X	31.058	5.75
62	MP1A	Z	0	5.75
63	MP1A	Mx	-.015	5.75
64	MP1B	X	56.915	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	.014	2.75
67	MP1B	X	56.915	5.75
68	MP1B	Z	0	5.75
69	MP1B	Mx	.014	5.75
70	MP1C	X	43.157	2.75
71	MP1C	Z	0	2.75
72	MP1C	Mx	.017	2.75
73	MP1C	X	43.157	5.75
74	MP1C	Z	0	5.75
75	MP1C	Mx	.017	5.75
76	MP2A	X	37.505	4.25
77	MP2A	Z	0	4.25
78	MP2A	Mx	.018	4.25
79	MP2B	X	48.635	4.25
80	MP2B	Z	0	4.25
81	MP2B	Mx	-.012	4.25
82	MP2C	X	42.713	4.25
83	MP2C	Z	0	4.25
84	MP2C	Mx	-.016	4.25
85	MP3A	X	31.558	4.25
86	MP3A	Z	0	4.25
87	MP3A	Mx	.015	4.25
88	MP3B	X	46.951	4.25
89	MP3B	Z	0	4.25
90	MP3B	Mx	-.012	4.25
91	MP3C	X	38.761	4.25
92	MP3C	Z	0	4.25
93	MP3C	Mx	-.015	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	41.374	2.25
2	MP4A	Z	23.887	2.25
3	MP4A	Mx	-.024	2.25
4	MP4A	X	41.374	6.25
5	MP4A	Z	23.887	6.25
6	MP4A	Mx	-.024	6.25
7	MP4B	X	67.163	2.25
8	MP4B	Z	38.776	2.25
9	MP4B	Mx	0	2.25
10	MP4B	X	67.163	6.25
11	MP4B	Z	38.776	6.25
12	MP4B	Mx	0	6.25
13	MP4C	X	41.374	2.25
14	MP4C	Z	23.887	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	.024	2.25
16	MP4C	X	41.374	6.25
17	MP4C	Z	23.887	6.25
18	MP4C	Mx	.024	6.25
19	MP2A	X	84.604	1.25
20	MP2A	Z	48.846	1.25
21	MP2A	Mx	-.048	1.25
22	MP2A	X	84.604	7.25
23	MP2A	Z	48.846	7.25
24	MP2A	Mx	-.048	7.25
25	MP2B	X	100.559	1.25
26	MP2B	Z	58.058	1.25
27	MP2B	Mx	0	1.25
28	MP2B	X	100.559	7.25
29	MP2B	Z	58.058	7.25
30	MP2B	Mx	0	7.25
31	MP2C	X	84.604	1.25
32	MP2C	Z	48.846	1.25
33	MP2C	Mx	.048	1.25
34	MP2C	X	84.604	7.25
35	MP2C	Z	48.846	7.25
36	MP2C	Mx	.048	7.25
37	MP3A	X	84.604	1.25
38	MP3A	Z	48.846	1.25
39	MP3A	Mx	-.048	1.25
40	MP3A	X	84.604	7.25
41	MP3A	Z	48.846	7.25
42	MP3A	Mx	-.048	7.25
43	MP3B	X	100.559	1.25
44	MP3B	Z	58.058	1.25
45	MP3B	Mx	0	1.25
46	MP3B	X	100.559	7.25
47	MP3B	Z	58.058	7.25
48	MP3B	Mx	0	7.25
49	MP3C	X	84.604	1.25
50	MP3C	Z	48.846	1.25
51	MP3C	Mx	.048	1.25
52	MP3C	X	84.604	7.25
53	MP3C	Z	48.846	7.25
54	MP3C	Mx	.048	7.25
55	M55	X	76.786	2
56	M55	Z	44.332	2
57	M55	Mx	0	2
58	MP1A	X	23.826	2.75
59	MP1A	Z	13.756	2.75
60	MP1A	Mx	-.014	2.75
61	MP1A	X	23.826	5.75
62	MP1A	Z	13.756	5.75
63	MP1A	Mx	-.014	5.75
64	MP1B	X	58.134	2.75
65	MP1B	Z	33.563	2.75
66	MP1B	Mx	0	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1B	X	58.134	5.75
68	MP1B	Z	33.563	5.75
69	MP1B	Mx	0	5.75
70	MP1C	X	23.826	2.75
71	MP1C	Z	13.756	2.75
72	MP1C	Mx	.014	2.75
73	MP1C	X	23.826	5.75
74	MP1C	Z	13.756	5.75
75	MP1C	Mx	.014	5.75
76	MP2A	X	31.158	4.25
77	MP2A	Z	17.989	4.25
78	MP2A	Mx	.018	4.25
79	MP2B	X	45.926	4.25
80	MP2B	Z	26.515	4.25
81	MP2B	Mx	0	4.25
82	MP2C	X	31.158	4.25
83	MP2C	Z	17.989	4.25
84	MP2C	Mx	-.018	4.25
85	MP3A	X	25.501	4.25
86	MP3A	Z	14.723	4.25
87	MP3A	Mx	.014	4.25
88	MP3B	X	45.926	4.25
89	MP3B	Z	26.515	4.25
90	MP3B	Mx	0	4.25
91	MP3C	X	25.501	4.25
92	MP3C	Z	14.723	4.25
93	MP3C	Mx	-.014	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	29.768	2.25
2	MP4A	Z	51.559	2.25
3	MP4A	Mx	-.023	2.25
4	MP4A	X	29.768	6.25
5	MP4A	Z	51.559	6.25
6	MP4A	Mx	-.023	6.25
7	MP4B	X	34.939	2.25
8	MP4B	Z	60.515	2.25
9	MP4B	Mx	-.017	2.25
10	MP4B	X	34.939	6.25
11	MP4B	Z	60.515	6.25
12	MP4B	Mx	-.017	6.25
13	MP4C	X	25.22	2.25
14	MP4C	Z	43.683	2.25
15	MP4C	Mx	.024	2.25
16	MP4C	X	25.22	6.25
17	MP4C	Z	43.683	6.25
18	MP4C	Mx	.024	6.25
19	MP2A	X	52.484	1.25
20	MP2A	Z	90.905	1.25
21	MP2A	Mx	-.04	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	52.484	7.25
23	MP2A	Z	90.905	7.25
24	MP2A	Mx	-.04	7.25
25	MP2B	X	55.683	1.25
26	MP2B	Z	96.446	1.25
27	MP2B	Mx	-.028	1.25
28	MP2B	X	55.683	7.25
29	MP2B	Z	96.446	7.25
30	MP2B	Mx	-.028	7.25
31	MP2C	X	49.671	1.25
32	MP2C	Z	86.033	1.25
33	MP2C	Mx	.047	1.25
34	MP2C	X	49.671	7.25
35	MP2C	Z	86.033	7.25
36	MP2C	Mx	.047	7.25
37	MP3A	X	52.484	1.25
38	MP3A	Z	90.905	1.25
39	MP3A	Mx	-.04	1.25
40	MP3A	X	52.484	7.25
41	MP3A	Z	90.905	7.25
42	MP3A	Mx	-.04	7.25
43	MP3B	X	55.683	1.25
44	MP3B	Z	96.446	1.25
45	MP3B	Mx	-.028	1.25
46	MP3B	X	55.683	7.25
47	MP3B	Z	96.446	7.25
48	MP3B	Mx	-.028	7.25
49	MP3C	X	49.671	1.25
50	MP3C	Z	86.033	1.25
51	MP3C	Mx	.047	1.25
52	MP3C	X	49.671	7.25
53	MP3C	Z	86.033	7.25
54	MP3C	Mx	.047	7.25
55	M55	X	49.559	2
56	M55	Z	85.84	2
57	M55	Mx	0	2
58	MP1A	X	21.578	2.75
59	MP1A	Z	37.375	2.75
60	MP1A	Mx	-.017	2.75
61	MP1A	X	21.578	5.75
62	MP1A	Z	37.375	5.75
63	MP1A	Mx	-.017	5.75
64	MP1B	X	28.458	2.75
65	MP1B	Z	49.29	2.75
66	MP1B	Mx	-.014	2.75
67	MP1B	X	28.458	5.75
68	MP1B	Z	49.29	5.75
69	MP1B	Mx	-.014	5.75
70	MP1C	X	15.529	2.75
71	MP1C	Z	26.897	2.75
72	MP1C	Mx	.015	2.75
73	MP1C	X	15.529	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	26.897	5.75
75	MP1C	Mx	.015	5.75
76	MP2A	X	21.357	4.25
77	MP2A	Z	36.991	4.25
78	MP2A	Mx	.016	4.25
79	MP2B	X	24.318	4.25
80	MP2B	Z	42.119	4.25
81	MP2B	Mx	.012	4.25
82	MP2C	X	18.753	4.25
83	MP2C	Z	32.48	4.25
84	MP2C	Mx	-.018	4.25
85	MP3A	X	19.38	4.25
86	MP3A	Z	33.568	4.25
87	MP3A	Mx	.015	4.25
88	MP3B	X	23.476	4.25
89	MP3B	Z	40.661	4.25
90	MP3B	Mx	.012	4.25
91	MP3C	X	15.779	4.25
92	MP3C	Z	27.33	4.25
93	MP3C	Mx	-.015	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.25
2	MP4A	Z	73.961	2.25
3	MP4A	Mx	-.013	2.25
4	MP4A	X	0	6.25
5	MP4A	Z	73.961	6.25
6	MP4A	Mx	-.013	6.25
7	MP4B	X	0	2.25
8	MP4B	Z	54.525	2.25
9	MP4B	Mx	-.024	2.25
10	MP4B	X	0	6.25
11	MP4B	Z	54.525	6.25
12	MP4B	Mx	-.024	6.25
13	MP4C	X	0	2.25
14	MP4C	Z	64.867	2.25
15	MP4C	Mx	.021	2.25
16	MP4C	X	0	6.25
17	MP4C	Z	64.867	6.25
18	MP4C	Mx	.021	6.25
19	MP2A	X	0	1.25
20	MP2A	Z	113.893	1.25
21	MP2A	Mx	-.019	1.25
22	MP2A	X	0	7.25
23	MP2A	Z	113.893	7.25
24	MP2A	Mx	-.019	7.25
25	MP2B	X	0	1.25
26	MP2B	Z	101.869	1.25
27	MP2B	Mx	-.044	1.25
28	MP2B	X	0	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	101.869	7.25
30	MP2B	Mx	-.044	7.25
31	MP2C	X	0	1.25
32	MP2C	Z	108.267	1.25
33	MP2C	Mx	.035	1.25
34	MP2C	X	0	7.25
35	MP2C	Z	108.267	7.25
36	MP2C	Mx	.035	7.25
37	MP3A	X	0	1.25
38	MP3A	Z	113.893	1.25
39	MP3A	Mx	-.019	1.25
40	MP3A	X	0	7.25
41	MP3A	Z	113.893	7.25
42	MP3A	Mx	-.019	7.25
43	MP3B	X	0	1.25
44	MP3B	Z	101.869	1.25
45	MP3B	Mx	-.044	1.25
46	MP3B	X	0	7.25
47	MP3B	Z	101.869	7.25
48	MP3B	Mx	-.044	7.25
49	MP3C	X	0	1.25
50	MP3C	Z	108.267	1.25
51	MP3C	Mx	.035	1.25
52	MP3C	X	0	7.25
53	MP3C	Z	108.267	7.25
54	MP3C	Mx	.035	7.25
55	M55	X	0	2
56	M55	Z	111.944	2
57	M55	Mx	0	2
58	MP1A	X	0	2.75
59	MP1A	Z	62.349	2.75
60	MP1A	Mx	-.011	2.75
61	MP1A	X	0	5.75
62	MP1A	Z	62.349	5.75
63	MP1A	Mx	-.011	5.75
64	MP1B	X	0	2.75
65	MP1B	Z	36.492	2.75
66	MP1B	Mx	-.016	2.75
67	MP1B	X	0	5.75
68	MP1B	Z	36.492	5.75
69	MP1B	Mx	-.016	5.75
70	MP1C	X	0	2.75
71	MP1C	Z	50.25	2.75
72	MP1C	Mx	.016	2.75
73	MP1C	X	0	5.75
74	MP1C	Z	50.25	5.75
75	MP1C	Mx	.016	5.75
76	MP2A	X	0	4.25
77	MP2A	Z	50.974	4.25
78	MP2A	Mx	.009	4.25
79	MP2B	X	0	4.25
80	MP2B	Z	39.844	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	.017	4.25
82	MP2C	X	0	4.25
83	MP2C	Z	45.766	4.25
84	MP2C	Mx	-.015	4.25
85	MP3A	X	0	4.25
86	MP3A	Z	50.186	4.25
87	MP3A	Mx	.009	4.25
88	MP3B	X	0	4.25
89	MP3B	Z	34.793	4.25
90	MP3B	Mx	.015	4.25
91	MP3C	X	0	4.25
92	MP3C	Z	42.983	4.25
93	MP3C	Mx	-.014	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-38.314	2.25
2	MP4A	Z	66.361	2.25
3	MP4A	Mx	.007	2.25
4	MP4A	X	-38.314	6.25
5	MP4A	Z	66.361	6.25
6	MP4A	Mx	.007	6.25
7	MP4B	X	-23.425	2.25
8	MP4B	Z	40.573	2.25
9	MP4B	Mx	-.023	2.25
10	MP4B	X	-23.425	6.25
11	MP4B	Z	40.573	6.25
12	MP4B	Mx	-.023	6.25
13	MP4C	X	-38.314	2.25
14	MP4C	Z	66.361	2.25
15	MP4C	Mx	.007	2.25
16	MP4C	X	-38.314	6.25
17	MP4C	Z	66.361	6.25
18	MP4C	Mx	.007	6.25
19	MP2A	X	-57.771	1.25
20	MP2A	Z	100.063	1.25
21	MP2A	Mx	.01	1.25
22	MP2A	X	-57.771	7.25
23	MP2A	Z	100.063	7.25
24	MP2A	Mx	.01	7.25
25	MP2B	X	-48.56	1.25
26	MP2B	Z	84.108	1.25
27	MP2B	Mx	-.049	1.25
28	MP2B	X	-48.56	7.25
29	MP2B	Z	84.108	7.25
30	MP2B	Mx	-.049	7.25
31	MP2C	X	-57.771	1.25
32	MP2C	Z	100.063	1.25
33	MP2C	Mx	.01	1.25
34	MP2C	X	-57.771	7.25
35	MP2C	Z	100.063	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.01	7.25
37	MP3A	X	-57.771	1.25
38	MP3A	Z	100.063	1.25
39	MP3A	Mx	.01	1.25
40	MP3A	X	-57.771	7.25
41	MP3A	Z	100.063	7.25
42	MP3A	Mx	.01	7.25
43	MP3B	X	-48.56	1.25
44	MP3B	Z	84.108	1.25
45	MP3B	Mx	-.049	1.25
46	MP3B	X	-48.56	7.25
47	MP3B	Z	84.108	7.25
48	MP3B	Mx	-.049	7.25
49	MP3C	X	-57.771	1.25
50	MP3C	Z	100.063	1.25
51	MP3C	Mx	.01	1.25
52	MP3C	X	-57.771	7.25
53	MP3C	Z	100.063	7.25
54	MP3C	Mx	.01	7.25
55	M55	X	-57.157	2
56	M55	Z	98.998	2
57	M55	Mx	0	2
58	MP1A	X	-32.948	2.75
59	MP1A	Z	57.067	2.75
60	MP1A	Mx	.006	2.75
61	MP1A	X	-32.948	5.75
62	MP1A	Z	57.067	5.75
63	MP1A	Mx	.006	5.75
64	MP1B	X	-13.14	2.75
65	MP1B	Z	22.759	2.75
66	MP1B	Mx	-.013	2.75
67	MP1B	X	-13.14	5.75
68	MP1B	Z	22.759	5.75
69	MP1B	Mx	-.013	5.75
70	MP1C	X	-32.948	2.75
71	MP1C	Z	57.067	2.75
72	MP1C	Mx	.006	2.75
73	MP1C	X	-32.948	5.75
74	MP1C	Z	57.067	5.75
75	MP1C	Mx	.006	5.75
76	MP2A	X	-26.25	4.25
77	MP2A	Z	45.467	4.25
78	MP2A	Mx	-.005	4.25
79	MP2B	X	-17.724	4.25
80	MP2B	Z	30.699	4.25
81	MP2B	Mx	.018	4.25
82	MP2C	X	-26.25	4.25
83	MP2C	Z	45.467	4.25
84	MP2C	Mx	-.005	4.25
85	MP3A	X	-26.149	4.25
86	MP3A	Z	45.291	4.25
87	MP3A	Mx	-.005	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	-14.357	4.25
89	MP3B	Z	24.866	4.25
90	MP3B	Mx	.014	4.25
91	MP3C	X	-26.149	4.25
92	MP3C	Z	45.291	4.25
93	MP3C	Mx	-.005	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-56.176	2.25
2	MP4A	Z	32.433	2.25
3	MP4A	Mx	.021	2.25
4	MP4A	X	-56.176	6.25
5	MP4A	Z	32.433	6.25
6	MP4A	Mx	.021	6.25
7	MP4B	X	-47.22	2.25
8	MP4B	Z	27.263	2.25
9	MP4B	Mx	-.024	2.25
10	MP4B	X	-47.22	6.25
11	MP4B	Z	27.263	6.25
12	MP4B	Mx	-.024	6.25
13	MP4C	X	-64.052	2.25
14	MP4C	Z	36.981	2.25
15	MP4C	Mx	-.013	2.25
16	MP4C	X	-64.052	6.25
17	MP4C	Z	36.981	6.25
18	MP4C	Mx	-.013	6.25
19	MP2A	X	-93.762	1.25
20	MP2A	Z	54.133	1.25
21	MP2A	Mx	.035	1.25
22	MP2A	X	-93.762	7.25
23	MP2A	Z	54.133	7.25
24	MP2A	Mx	.035	7.25
25	MP2B	X	-88.221	1.25
26	MP2B	Z	50.934	1.25
27	MP2B	Mx	-.044	1.25
28	MP2B	X	-88.221	7.25
29	MP2B	Z	50.934	7.25
30	MP2B	Mx	-.044	7.25
31	MP2C	X	-98.634	1.25
32	MP2C	Z	56.947	1.25
33	MP2C	Mx	-.019	1.25
34	MP2C	X	-98.634	7.25
35	MP2C	Z	56.947	7.25
36	MP2C	Mx	-.019	7.25
37	MP3A	X	-93.762	1.25
38	MP3A	Z	54.133	1.25
39	MP3A	Mx	.035	1.25
40	MP3A	X	-93.762	7.25
41	MP3A	Z	54.133	7.25
42	MP3A	Mx	.035	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-88.221	1.25
44	MP3B	Z	50.934	1.25
45	MP3B	Mx	-.044	1.25
46	MP3B	X	-88.221	7.25
47	MP3B	Z	50.934	7.25
48	MP3B	Mx	-.044	7.25
49	MP3C	X	-98.634	1.25
50	MP3C	Z	56.947	1.25
51	MP3C	Mx	-.019	1.25
52	MP3C	X	-98.634	7.25
53	MP3C	Z	56.947	7.25
54	MP3C	Mx	-.019	7.25
55	M55	X	-89.944	2
56	M55	Z	51.929	2
57	M55	Mx	0	2
58	MP1A	X	-43.518	2.75
59	MP1A	Z	25.125	2.75
60	MP1A	Mx	.016	2.75
61	MP1A	X	-43.518	5.75
62	MP1A	Z	25.125	5.75
63	MP1A	Mx	.016	5.75
64	MP1B	X	-31.603	2.75
65	MP1B	Z	18.246	2.75
66	MP1B	Mx	-.016	2.75
67	MP1B	X	-31.603	5.75
68	MP1B	Z	18.246	5.75
69	MP1B	Mx	-.016	5.75
70	MP1C	X	-53.996	2.75
71	MP1C	Z	31.174	2.75
72	MP1C	Mx	-.011	2.75
73	MP1C	X	-53.996	5.75
74	MP1C	Z	31.174	5.75
75	MP1C	Mx	-.011	5.75
76	MP2A	X	-39.635	4.25
77	MP2A	Z	22.883	4.25
78	MP2A	Mx	-.015	4.25
79	MP2B	X	-34.506	4.25
80	MP2B	Z	19.922	4.25
81	MP2B	Mx	.017	4.25
82	MP2C	X	-44.145	4.25
83	MP2C	Z	25.487	4.25
84	MP2C	Mx	.009	4.25
85	MP3A	X	-37.225	4.25
86	MP3A	Z	21.492	4.25
87	MP3A	Mx	-.014	4.25
88	MP3B	X	-30.131	4.25
89	MP3B	Z	17.396	4.25
90	MP3B	Mx	.015	4.25
91	MP3C	X	-43.463	4.25
92	MP3C	Z	25.093	4.25
93	MP3C	Mx	.009	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-50.441	2.25
2	MP4A	Z	0	2.25
3	MP4A	Mx	.024	2.25
4	MP4A	X	-50.441	6.25
5	MP4A	Z	0	6.25
6	MP4A	Mx	.024	6.25
7	MP4B	X	-69.877	2.25
8	MP4B	Z	0	2.25
9	MP4B	Mx	-.017	2.25
10	MP4B	X	-69.877	6.25
11	MP4B	Z	0	6.25
12	MP4B	Mx	-.017	6.25
13	MP4C	X	-59.535	2.25
14	MP4C	Z	0	2.25
15	MP4C	Mx	-.023	2.25
16	MP4C	X	-59.535	6.25
17	MP4C	Z	0	6.25
18	MP4C	Mx	-.023	6.25
19	MP2A	X	-99.342	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	.047	1.25
22	MP2A	X	-99.342	7.25
23	MP2A	Z	0	7.25
24	MP2A	Mx	.047	7.25
25	MP2B	X	-111.366	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	-.028	1.25
28	MP2B	X	-111.366	7.25
29	MP2B	Z	0	7.25
30	MP2B	Mx	-.028	7.25
31	MP2C	X	-104.968	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	-.04	1.25
34	MP2C	X	-104.968	7.25
35	MP2C	Z	0	7.25
36	MP2C	Mx	-.04	7.25
37	MP3A	X	-99.342	1.25
38	MP3A	Z	0	1.25
39	MP3A	Mx	.047	1.25
40	MP3A	X	-99.342	7.25
41	MP3A	Z	0	7.25
42	MP3A	Mx	.047	7.25
43	MP3B	X	-111.366	1.25
44	MP3B	Z	0	1.25
45	MP3B	Mx	-.028	1.25
46	MP3B	X	-111.366	7.25
47	MP3B	Z	0	7.25
48	MP3B	Mx	-.028	7.25
49	MP3C	X	-104.968	1.25
50	MP3C	Z	0	1.25
51	MP3C	Mx	-.04	1.25
52	MP3C	X	-104.968	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	0	7.25
54	MP3C	Mx	-.04	7.25
55	M55	X	-91.034	2
56	M55	Z	0	2
57	M55	Mx	0	2
58	MP1A	X	-31.058	2.75
59	MP1A	Z	0	2.75
60	MP1A	Mx	.015	2.75
61	MP1A	X	-31.058	5.75
62	MP1A	Z	0	5.75
63	MP1A	Mx	.015	5.75
64	MP1B	X	-56.915	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	-.014	2.75
67	MP1B	X	-56.915	5.75
68	MP1B	Z	0	5.75
69	MP1B	Mx	-.014	5.75
70	MP1C	X	-43.157	2.75
71	MP1C	Z	0	2.75
72	MP1C	Mx	-.017	2.75
73	MP1C	X	-43.157	5.75
74	MP1C	Z	0	5.75
75	MP1C	Mx	-.017	5.75
76	MP2A	X	-37.505	4.25
77	MP2A	Z	0	4.25
78	MP2A	Mx	-.018	4.25
79	MP2B	X	-48.635	4.25
80	MP2B	Z	0	4.25
81	MP2B	Mx	.012	4.25
82	MP2C	X	-42.713	4.25
83	MP2C	Z	0	4.25
84	MP2C	Mx	.016	4.25
85	MP3A	X	-31.558	4.25
86	MP3A	Z	0	4.25
87	MP3A	Mx	-.015	4.25
88	MP3B	X	-46.951	4.25
89	MP3B	Z	0	4.25
90	MP3B	Mx	.012	4.25
91	MP3C	X	-38.761	4.25
92	MP3C	Z	0	4.25
93	MP3C	Mx	.015	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-41.374	2.25
2	MP4A	Z	-23.887	2.25
3	MP4A	Mx	.024	2.25
4	MP4A	X	-41.374	6.25
5	MP4A	Z	-23.887	6.25
6	MP4A	Mx	.024	6.25
7	MP4B	X	-67.163	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	-38.776	2.25
9	MP4B	Mx	0	2.25
10	MP4B	X	-67.163	6.25
11	MP4B	Z	-38.776	6.25
12	MP4B	Mx	0	6.25
13	MP4C	X	-41.374	2.25
14	MP4C	Z	-23.887	2.25
15	MP4C	Mx	-.024	2.25
16	MP4C	X	-41.374	6.25
17	MP4C	Z	-23.887	6.25
18	MP4C	Mx	-.024	6.25
19	MP2A	X	-84.604	1.25
20	MP2A	Z	-48.846	1.25
21	MP2A	Mx	.048	1.25
22	MP2A	X	-84.604	7.25
23	MP2A	Z	-48.846	7.25
24	MP2A	Mx	.048	7.25
25	MP2B	X	-100.559	1.25
26	MP2B	Z	-58.058	1.25
27	MP2B	Mx	0	1.25
28	MP2B	X	-100.559	7.25
29	MP2B	Z	-58.058	7.25
30	MP2B	Mx	0	7.25
31	MP2C	X	-84.604	1.25
32	MP2C	Z	-48.846	1.25
33	MP2C	Mx	-.048	1.25
34	MP2C	X	-84.604	7.25
35	MP2C	Z	-48.846	7.25
36	MP2C	Mx	-.048	7.25
37	MP3A	X	-84.604	1.25
38	MP3A	Z	-48.846	1.25
39	MP3A	Mx	.048	1.25
40	MP3A	X	-84.604	7.25
41	MP3A	Z	-48.846	7.25
42	MP3A	Mx	.048	7.25
43	MP3B	X	-100.559	1.25
44	MP3B	Z	-58.058	1.25
45	MP3B	Mx	0	1.25
46	MP3B	X	-100.559	7.25
47	MP3B	Z	-58.058	7.25
48	MP3B	Mx	0	7.25
49	MP3C	X	-84.604	1.25
50	MP3C	Z	-48.846	1.25
51	MP3C	Mx	-.048	1.25
52	MP3C	X	-84.604	7.25
53	MP3C	Z	-48.846	7.25
54	MP3C	Mx	-.048	7.25
55	M55	X	-76.786	2
56	M55	Z	-44.332	2
57	M55	Mx	0	2
58	MP1A	X	-23.826	2.75
59	MP1A	Z	-13.756	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.014	2.75
61	MP1A	X	-23.826	5.75
62	MP1A	Z	-13.756	5.75
63	MP1A	Mx	.014	5.75
64	MP1B	X	-58.134	2.75
65	MP1B	Z	-33.563	2.75
66	MP1B	Mx	0	2.75
67	MP1B	X	-58.134	5.75
68	MP1B	Z	-33.563	5.75
69	MP1B	Mx	0	5.75
70	MP1C	X	-23.826	2.75
71	MP1C	Z	-13.756	2.75
72	MP1C	Mx	-.014	2.75
73	MP1C	X	-23.826	5.75
74	MP1C	Z	-13.756	5.75
75	MP1C	Mx	-.014	5.75
76	MP2A	X	-31.158	4.25
77	MP2A	Z	-17.989	4.25
78	MP2A	Mx	-.018	4.25
79	MP2B	X	-45.926	4.25
80	MP2B	Z	-26.515	4.25
81	MP2B	Mx	0	4.25
82	MP2C	X	-31.158	4.25
83	MP2C	Z	-17.989	4.25
84	MP2C	Mx	.018	4.25
85	MP3A	X	-25.501	4.25
86	MP3A	Z	-14.723	4.25
87	MP3A	Mx	-.014	4.25
88	MP3B	X	-45.926	4.25
89	MP3B	Z	-26.515	4.25
90	MP3B	Mx	0	4.25
91	MP3C	X	-25.501	4.25
92	MP3C	Z	-14.723	4.25
93	MP3C	Mx	.014	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-29.768	2.25
2	MP4A	Z	-51.559	2.25
3	MP4A	Mx	.023	2.25
4	MP4A	X	-29.768	6.25
5	MP4A	Z	-51.559	6.25
6	MP4A	Mx	.023	6.25
7	MP4B	X	-34.939	2.25
8	MP4B	Z	-60.515	2.25
9	MP4B	Mx	.017	2.25
10	MP4B	X	-34.939	6.25
11	MP4B	Z	-60.515	6.25
12	MP4B	Mx	.017	6.25
13	MP4C	X	-25.22	2.25
14	MP4C	Z	-43.683	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.024	2.25
16	MP4C	X	-25.22	6.25
17	MP4C	Z	-43.683	6.25
18	MP4C	Mx	-.024	6.25
19	MP2A	X	-52.484	1.25
20	MP2A	Z	-90.905	1.25
21	MP2A	Mx	.04	1.25
22	MP2A	X	-52.484	7.25
23	MP2A	Z	-90.905	7.25
24	MP2A	Mx	.04	7.25
25	MP2B	X	-55.683	1.25
26	MP2B	Z	-96.446	1.25
27	MP2B	Mx	.028	1.25
28	MP2B	X	-55.683	7.25
29	MP2B	Z	-96.446	7.25
30	MP2B	Mx	.028	7.25
31	MP2C	X	-49.671	1.25
32	MP2C	Z	-86.033	1.25
33	MP2C	Mx	-.047	1.25
34	MP2C	X	-49.671	7.25
35	MP2C	Z	-86.033	7.25
36	MP2C	Mx	-.047	7.25
37	MP3A	X	-52.484	1.25
38	MP3A	Z	-90.905	1.25
39	MP3A	Mx	.04	1.25
40	MP3A	X	-52.484	7.25
41	MP3A	Z	-90.905	7.25
42	MP3A	Mx	.04	7.25
43	MP3B	X	-55.683	1.25
44	MP3B	Z	-96.446	1.25
45	MP3B	Mx	.028	1.25
46	MP3B	X	-55.683	7.25
47	MP3B	Z	-96.446	7.25
48	MP3B	Mx	.028	7.25
49	MP3C	X	-49.671	1.25
50	MP3C	Z	-86.033	1.25
51	MP3C	Mx	-.047	1.25
52	MP3C	X	-49.671	7.25
53	MP3C	Z	-86.033	7.25
54	MP3C	Mx	-.047	7.25
55	M55	X	-49.559	2
56	M55	Z	-85.84	2
57	M55	Mx	0	2
58	MP1A	X	-21.578	2.75
59	MP1A	Z	-37.375	2.75
60	MP1A	Mx	.017	2.75
61	MP1A	X	-21.578	5.75
62	MP1A	Z	-37.375	5.75
63	MP1A	Mx	.017	5.75
64	MP1B	X	-28.458	2.75
65	MP1B	Z	-49.29	2.75
66	MP1B	Mx	.014	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1B	X	-28.458	5.75
68	MP1B	Z	-49.29	5.75
69	MP1B	Mx	.014	5.75
70	MP1C	X	-15.529	2.75
71	MP1C	Z	-26.897	2.75
72	MP1C	Mx	-.015	2.75
73	MP1C	X	-15.529	5.75
74	MP1C	Z	-26.897	5.75
75	MP1C	Mx	-.015	5.75
76	MP2A	X	-21.357	4.25
77	MP2A	Z	-36.991	4.25
78	MP2A	Mx	-.016	4.25
79	MP2B	X	-24.318	4.25
80	MP2B	Z	-42.119	4.25
81	MP2B	Mx	-.012	4.25
82	MP2C	X	-18.753	4.25
83	MP2C	Z	-32.48	4.25
84	MP2C	Mx	.018	4.25
85	MP3A	X	-19.38	4.25
86	MP3A	Z	-33.568	4.25
87	MP3A	Mx	-.015	4.25
88	MP3B	X	-23.476	4.25
89	MP3B	Z	-40.661	4.25
90	MP3B	Mx	-.012	4.25
91	MP3C	X	-15.779	4.25
92	MP3C	Z	-27.33	4.25
93	MP3C	Mx	.015	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.25
2	MP4A	Z	-14.584	2.25
3	MP4A	Mx	.002	2.25
4	MP4A	X	0	6.25
5	MP4A	Z	-14.584	6.25
6	MP4A	Mx	.002	6.25
7	MP4B	X	0	2.25
8	MP4B	Z	-11.055	2.25
9	MP4B	Mx	.005	2.25
10	MP4B	X	0	6.25
11	MP4B	Z	-11.055	6.25
12	MP4B	Mx	.005	6.25
13	MP4C	X	0	2.25
14	MP4C	Z	-12.933	2.25
15	MP4C	Mx	-.004	2.25
16	MP4C	X	0	6.25
17	MP4C	Z	-12.933	6.25
18	MP4C	Mx	-.004	6.25
19	MP2A	X	0	1.25
20	MP2A	Z	-22.098	1.25
21	MP2A	Mx	.004	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	0	7.25
23	MP2A	Z	-22.098	7.25
24	MP2A	Mx	.004	7.25
25	MP2B	X	0	1.25
26	MP2B	Z	-19.934	1.25
27	MP2B	Mx	.009	1.25
28	MP2B	X	0	7.25
29	MP2B	Z	-19.934	7.25
30	MP2B	Mx	.009	7.25
31	MP2C	X	0	1.25
32	MP2C	Z	-21.085	1.25
33	MP2C	Mx	-.007	1.25
34	MP2C	X	0	7.25
35	MP2C	Z	-21.085	7.25
36	MP2C	Mx	-.007	7.25
37	MP3A	X	0	1.25
38	MP3A	Z	-22.098	1.25
39	MP3A	Mx	.004	1.25
40	MP3A	X	0	7.25
41	MP3A	Z	-22.098	7.25
42	MP3A	Mx	.004	7.25
43	MP3B	X	0	1.25
44	MP3B	Z	-19.934	1.25
45	MP3B	Mx	.009	1.25
46	MP3B	X	0	7.25
47	MP3B	Z	-19.934	7.25
48	MP3B	Mx	.009	7.25
49	MP3C	X	0	1.25
50	MP3C	Z	-21.085	1.25
51	MP3C	Mx	-.007	1.25
52	MP3C	X	0	7.25
53	MP3C	Z	-21.085	7.25
54	MP3C	Mx	-.007	7.25
55	M55	X	0	2
56	M55	Z	-22.278	2
57	M55	Mx	0	2
58	MP1A	X	0	2.75
59	MP1A	Z	-12.407	2.75
60	MP1A	Mx	.002	2.75
61	MP1A	X	0	5.75
62	MP1A	Z	-12.407	5.75
63	MP1A	Mx	.002	5.75
64	MP1B	X	0	2.75
65	MP1B	Z	-7.557	2.75
66	MP1B	Mx	.003	2.75
67	MP1B	X	0	5.75
68	MP1B	Z	-7.557	5.75
69	MP1B	Mx	.003	5.75
70	MP1C	X	0	2.75
71	MP1C	Z	-10.138	2.75
72	MP1C	Mx	-.003	2.75
73	MP1C	X	0	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	-10.138	5.75
75	MP1C	Mx	-.003	5.75
76	MP2A	X	0	4.25
77	MP2A	Z	-10.697	4.25
78	MP2A	Mx	-.002	4.25
79	MP2B	X	0	4.25
80	MP2B	Z	-8.548	4.25
81	MP2B	Mx	-.004	4.25
82	MP2C	X	0	4.25
83	MP2C	Z	-9.692	4.25
84	MP2C	Mx	.003	4.25
85	MP3A	X	0	4.25
86	MP3A	Z	-10.546	4.25
87	MP3A	Mx	-.002	4.25
88	MP3B	X	0	4.25
89	MP3B	Z	-7.581	4.25
90	MP3B	Mx	-.003	4.25
91	MP3C	X	0	4.25
92	MP3C	Z	-9.159	4.25
93	MP3C	Mx	.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	7.534	2.25
2	MP4A	Z	-13.05	2.25
3	MP4A	Mx	-.001	2.25
4	MP4A	X	7.534	6.25
5	MP4A	Z	-13.05	6.25
6	MP4A	Mx	-.001	6.25
7	MP4B	X	4.83	2.25
8	MP4B	Z	-8.366	2.25
9	MP4B	Mx	.005	2.25
10	MP4B	X	4.83	6.25
11	MP4B	Z	-8.366	6.25
12	MP4B	Mx	.005	6.25
13	MP4C	X	7.534	2.25
14	MP4C	Z	-13.05	2.25
15	MP4C	Mx	-.001	2.25
16	MP4C	X	7.534	6.25
17	MP4C	Z	-13.05	6.25
18	MP4C	Mx	-.001	6.25
19	MP2A	X	11.197	1.25
20	MP2A	Z	-19.395	1.25
21	MP2A	Mx	-.002	1.25
22	MP2A	X	11.197	7.25
23	MP2A	Z	-19.395	7.25
24	MP2A	Mx	-.002	7.25
25	MP2B	X	9.539	1.25
26	MP2B	Z	-16.523	1.25
27	MP2B	Mx	.01	1.25
28	MP2B	X	9.539	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-16.523	7.25
30	MP2B	Mx	.01	7.25
31	MP2C	X	11.197	1.25
32	MP2C	Z	-19.395	1.25
33	MP2C	Mx	-.002	1.25
34	MP2C	X	11.197	7.25
35	MP2C	Z	-19.395	7.25
36	MP2C	Mx	-.002	7.25
37	MP3A	X	11.197	1.25
38	MP3A	Z	-19.395	1.25
39	MP3A	Mx	-.002	1.25
40	MP3A	X	11.197	7.25
41	MP3A	Z	-19.395	7.25
42	MP3A	Mx	-.002	7.25
43	MP3B	X	9.539	1.25
44	MP3B	Z	-16.523	1.25
45	MP3B	Mx	.01	1.25
46	MP3B	X	9.539	7.25
47	MP3B	Z	-16.523	7.25
48	MP3B	Mx	.01	7.25
49	MP3C	X	11.197	1.25
50	MP3C	Z	-19.395	1.25
51	MP3C	Mx	-.002	1.25
52	MP3C	X	11.197	7.25
53	MP3C	Z	-19.395	7.25
54	MP3C	Mx	-.002	7.25
55	M55	X	11.356	2
56	M55	Z	-19.669	2
57	M55	Mx	0	2
58	MP1A	X	6.536	2.75
59	MP1A	Z	-11.321	2.75
60	MP1A	Mx	-.001	2.75
61	MP1A	X	6.536	5.75
62	MP1A	Z	-11.321	5.75
63	MP1A	Mx	-.001	5.75
64	MP1B	X	2.821	2.75
65	MP1B	Z	-4.885	2.75
66	MP1B	Mx	.003	2.75
67	MP1B	X	2.821	5.75
68	MP1B	Z	-4.885	5.75
69	MP1B	Mx	.003	5.75
70	MP1C	X	6.536	2.75
71	MP1C	Z	-11.321	2.75
72	MP1C	Mx	-.001	2.75
73	MP1C	X	6.536	5.75
74	MP1C	Z	-11.321	5.75
75	MP1C	Mx	-.001	5.75
76	MP2A	X	5.496	4.25
77	MP2A	Z	-9.519	4.25
78	MP2A	Mx	.000954	4.25
79	MP2B	X	3.85	4.25
80	MP2B	Z	-6.668	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.004	4.25
82	MP2C	X	5.496	4.25
83	MP2C	Z	-9.519	4.25
84	MP2C	Mx	.000954	4.25
85	MP3A	X	5.476	4.25
86	MP3A	Z	-9.486	4.25
87	MP3A	Mx	.000951	4.25
88	MP3B	X	3.205	4.25
89	MP3B	Z	-5.551	4.25
90	MP3B	Mx	-.003	4.25
91	MP3C	X	5.476	4.25
92	MP3C	Z	-9.486	4.25
93	MP3C	Mx	.000951	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	11.2	2.25
2	MP4A	Z	-6.466	2.25
3	MP4A	Mx	-.004	2.25
4	MP4A	X	11.2	6.25
5	MP4A	Z	-6.466	6.25
6	MP4A	Mx	-.004	6.25
7	MP4B	X	9.574	2.25
8	MP4B	Z	-5.527	2.25
9	MP4B	Mx	.005	2.25
10	MP4B	X	9.574	6.25
11	MP4B	Z	-5.527	6.25
12	MP4B	Mx	.005	6.25
13	MP4C	X	12.63	2.25
14	MP4C	Z	-7.292	2.25
15	MP4C	Mx	.002	2.25
16	MP4C	X	12.63	6.25
17	MP4C	Z	-7.292	6.25
18	MP4C	Mx	.002	6.25
19	MP2A	X	18.26	1.25
20	MP2A	Z	-10.543	1.25
21	MP2A	Mx	-.007	1.25
22	MP2A	X	18.26	7.25
23	MP2A	Z	-10.543	7.25
24	MP2A	Mx	-.007	7.25
25	MP2B	X	17.263	1.25
26	MP2B	Z	-9.967	1.25
27	MP2B	Mx	.009	1.25
28	MP2B	X	17.263	7.25
29	MP2B	Z	-9.967	7.25
30	MP2B	Mx	.009	7.25
31	MP2C	X	19.137	1.25
32	MP2C	Z	-11.049	1.25
33	MP2C	Mx	.004	1.25
34	MP2C	X	19.137	7.25
35	MP2C	Z	-11.049	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.004	7.25
37	MP3A	X	18.26	1.25
38	MP3A	Z	-10.543	1.25
39	MP3A	Mx	-.007	1.25
40	MP3A	X	18.26	7.25
41	MP3A	Z	-10.543	7.25
42	MP3A	Mx	-.007	7.25
43	MP3B	X	17.263	1.25
44	MP3B	Z	-9.967	1.25
45	MP3B	Mx	.009	1.25
46	MP3B	X	17.263	7.25
47	MP3B	Z	-9.967	7.25
48	MP3B	Mx	.009	7.25
49	MP3C	X	19.137	1.25
50	MP3C	Z	-11.049	1.25
51	MP3C	Mx	.004	1.25
52	MP3C	X	19.137	7.25
53	MP3C	Z	-11.049	7.25
54	MP3C	Mx	.004	7.25
55	M55	X	18.009	2
56	M55	Z	-10.397	2
57	M55	Mx	0	2
58	MP1A	X	8.78	2.75
59	MP1A	Z	-5.069	2.75
60	MP1A	Mx	-.003	2.75
61	MP1A	X	8.78	5.75
62	MP1A	Z	-5.069	5.75
63	MP1A	Mx	-.003	5.75
64	MP1B	X	6.544	2.75
65	MP1B	Z	-3.778	2.75
66	MP1B	Mx	.003	2.75
67	MP1B	X	6.544	5.75
68	MP1B	Z	-3.778	5.75
69	MP1B	Mx	.003	5.75
70	MP1C	X	10.745	2.75
71	MP1C	Z	-6.204	2.75
72	MP1C	Mx	.002	2.75
73	MP1C	X	10.745	5.75
74	MP1C	Z	-6.204	5.75
75	MP1C	Mx	.002	5.75
76	MP2A	X	8.393	4.25
77	MP2A	Z	-4.846	4.25
78	MP2A	Mx	.003	4.25
79	MP2B	X	7.403	4.25
80	MP2B	Z	-4.274	4.25
81	MP2B	Mx	-.004	4.25
82	MP2C	X	9.264	4.25
83	MP2C	Z	-5.349	4.25
84	MP2C	Mx	-.002	4.25
85	MP3A	X	7.932	4.25
86	MP3A	Z	-4.579	4.25
87	MP3A	Mx	.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	6.565	4.25
89	MP3B	Z	-3.791	4.25
90	MP3B	Mx	-.003	4.25
91	MP3C	X	9.133	4.25
92	MP3C	Z	-5.273	4.25
93	MP3C	Mx	-.002	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	10.313	2.25
2	MP4A	Z	0	2.25
3	MP4A	Mx	-.005	2.25
4	MP4A	X	10.313	6.25
5	MP4A	Z	0	6.25
6	MP4A	Mx	-.005	6.25
7	MP4B	X	13.843	2.25
8	MP4B	Z	0	2.25
9	MP4B	Mx	.003	2.25
10	MP4B	X	13.843	6.25
11	MP4B	Z	0	6.25
12	MP4B	Mx	.003	6.25
13	MP4C	X	11.964	2.25
14	MP4C	Z	0	2.25
15	MP4C	Mx	.005	2.25
16	MP4C	X	11.964	6.25
17	MP4C	Z	0	6.25
18	MP4C	Mx	.005	6.25
19	MP2A	X	19.479	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	-.009	1.25
22	MP2A	X	19.479	7.25
23	MP2A	Z	0	7.25
24	MP2A	Mx	-.009	7.25
25	MP2B	X	21.643	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	.005	1.25
28	MP2B	X	21.643	7.25
29	MP2B	Z	0	7.25
30	MP2B	Mx	.005	7.25
31	MP2C	X	20.492	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	.008	1.25
34	MP2C	X	20.492	7.25
35	MP2C	Z	0	7.25
36	MP2C	Mx	.008	7.25
37	MP3A	X	19.479	1.25
38	MP3A	Z	0	1.25
39	MP3A	Mx	-.009	1.25
40	MP3A	X	19.479	7.25
41	MP3A	Z	0	7.25
42	MP3A	Mx	-.009	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	21.643	1.25
44	MP3B	Z	0	1.25
45	MP3B	Mx	.005	1.25
46	MP3B	X	21.643	7.25
47	MP3B	Z	0	7.25
48	MP3B	Mx	.005	7.25
49	MP3C	X	20.492	1.25
50	MP3C	Z	0	1.25
51	MP3C	Mx	.008	1.25
52	MP3C	X	20.492	7.25
53	MP3C	Z	0	7.25
54	MP3C	Mx	.008	7.25
55	M55	X	18.442	2
56	M55	Z	0	2
57	M55	Mx	0	2
58	MP1A	X	6.537	2.75
59	MP1A	Z	0	2.75
60	MP1A	Mx	-.003	2.75
61	MP1A	X	6.537	5.75
62	MP1A	Z	0	5.75
63	MP1A	Mx	-.003	5.75
64	MP1B	X	11.388	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	.003	2.75
67	MP1B	X	11.388	5.75
68	MP1B	Z	0	5.75
69	MP1B	Mx	.003	5.75
70	MP1C	X	8.807	2.75
71	MP1C	Z	0	2.75
72	MP1C	Mx	.003	2.75
73	MP1C	X	8.807	5.75
74	MP1C	Z	0	5.75
75	MP1C	Mx	.003	5.75
76	MP2A	X	8.097	4.25
77	MP2A	Z	0	4.25
78	MP2A	Mx	.004	4.25
79	MP2B	X	10.246	4.25
80	MP2B	Z	0	4.25
81	MP2B	Mx	-.003	4.25
82	MP2C	X	9.102	4.25
83	MP2C	Z	0	4.25
84	MP2C	Mx	-.003	4.25
85	MP3A	X	6.958	4.25
86	MP3A	Z	0	4.25
87	MP3A	Mx	.003	4.25
88	MP3B	X	9.923	4.25
89	MP3B	Z	0	4.25
90	MP3B	Mx	-.002	4.25
91	MP3C	X	8.345	4.25
92	MP3C	Z	0	4.25
93	MP3C	Mx	-.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	8.512	2.25
2	MP4A	Z	4.914	2.25
3	MP4A	Mx	-.005	2.25
4	MP4A	X	8.512	6.25
5	MP4A	Z	4.914	6.25
6	MP4A	Mx	-.005	6.25
7	MP4B	X	13.195	2.25
8	MP4B	Z	7.618	2.25
9	MP4B	Mx	0	2.25
10	MP4B	X	13.195	6.25
11	MP4B	Z	7.618	6.25
12	MP4B	Mx	0	6.25
13	MP4C	X	8.512	2.25
14	MP4C	Z	4.914	2.25
15	MP4C	Mx	.005	2.25
16	MP4C	X	8.512	6.25
17	MP4C	Z	4.914	6.25
18	MP4C	Mx	.005	6.25
19	MP2A	X	16.612	1.25
20	MP2A	Z	9.591	1.25
21	MP2A	Mx	-.009	1.25
22	MP2A	X	16.612	7.25
23	MP2A	Z	9.591	7.25
24	MP2A	Mx	-.009	7.25
25	MP2B	X	19.484	1.25
26	MP2B	Z	11.249	1.25
27	MP2B	Mx	0	1.25
28	MP2B	X	19.484	7.25
29	MP2B	Z	11.249	7.25
30	MP2B	Mx	0	7.25
31	MP2C	X	16.612	1.25
32	MP2C	Z	9.591	1.25
33	MP2C	Mx	.009	1.25
34	MP2C	X	16.612	7.25
35	MP2C	Z	9.591	7.25
36	MP2C	Mx	.009	7.25
37	MP3A	X	16.612	1.25
38	MP3A	Z	9.591	1.25
39	MP3A	Mx	-.009	1.25
40	MP3A	X	16.612	7.25
41	MP3A	Z	9.591	7.25
42	MP3A	Mx	-.009	7.25
43	MP3B	X	19.484	1.25
44	MP3B	Z	11.249	1.25
45	MP3B	Mx	0	1.25
46	MP3B	X	19.484	7.25
47	MP3B	Z	11.249	7.25
48	MP3B	Mx	0	7.25
49	MP3C	X	16.612	1.25
50	MP3C	Z	9.591	1.25
51	MP3C	Mx	.009	1.25
52	MP3C	X	16.612	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	9.591	7.25
54	MP3C	Mx	.009	7.25
55	M55	X	15.595	2
56	M55	Z	9.004	2
57	M55	Mx	0	2
58	MP1A	X	5.085	2.75
59	MP1A	Z	2.936	2.75
60	MP1A	Mx	-.003	2.75
61	MP1A	X	5.085	5.75
62	MP1A	Z	2.936	5.75
63	MP1A	Mx	-.003	5.75
64	MP1B	X	11.521	2.75
65	MP1B	Z	6.652	2.75
66	MP1B	Mx	0	2.75
67	MP1B	X	11.521	5.75
68	MP1B	Z	6.652	5.75
69	MP1B	Mx	0	5.75
70	MP1C	X	5.085	2.75
71	MP1C	Z	2.936	2.75
72	MP1C	Mx	.003	2.75
73	MP1C	X	5.085	5.75
74	MP1C	Z	2.936	5.75
75	MP1C	Mx	.003	5.75
76	MP2A	X	6.757	4.25
77	MP2A	Z	3.901	4.25
78	MP2A	Mx	.004	4.25
79	MP2B	X	9.608	4.25
80	MP2B	Z	5.547	4.25
81	MP2B	Mx	0	4.25
82	MP2C	X	6.757	4.25
83	MP2C	Z	3.901	4.25
84	MP2C	Mx	-.004	4.25
85	MP3A	X	5.674	4.25
86	MP3A	Z	3.276	4.25
87	MP3A	Mx	.003	4.25
88	MP3B	X	9.608	4.25
89	MP3B	Z	5.547	4.25
90	MP3B	Mx	0	4.25
91	MP3C	X	5.674	4.25
92	MP3C	Z	3.276	4.25
93	MP3C	Mx	-.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	5.982	2.25
2	MP4A	Z	10.362	2.25
3	MP4A	Mx	-.005	2.25
4	MP4A	X	5.982	6.25
5	MP4A	Z	10.362	6.25
6	MP4A	Mx	-.005	6.25
7	MP4B	X	6.921	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	11.988	2.25
9	MP4B	Mx	-.003	2.25
10	MP4B	X	6.921	6.25
11	MP4B	Z	11.988	6.25
12	MP4B	Mx	-.003	6.25
13	MP4C	X	5.156	2.25
14	MP4C	Z	8.931	2.25
15	MP4C	Mx	.005	2.25
16	MP4C	X	5.156	6.25
17	MP4C	Z	8.931	6.25
18	MP4C	Mx	.005	6.25
19	MP2A	X	10.246	1.25
20	MP2A	Z	17.746	1.25
21	MP2A	Mx	-.008	1.25
22	MP2A	X	10.246	7.25
23	MP2A	Z	17.746	7.25
24	MP2A	Mx	-.008	7.25
25	MP2B	X	10.822	1.25
26	MP2B	Z	18.744	1.25
27	MP2B	Mx	-.005	1.25
28	MP2B	X	10.822	7.25
29	MP2B	Z	18.744	7.25
30	MP2B	Mx	-.005	7.25
31	MP2C	X	9.739	1.25
32	MP2C	Z	16.869	1.25
33	MP2C	Mx	.009	1.25
34	MP2C	X	9.739	7.25
35	MP2C	Z	16.869	7.25
36	MP2C	Mx	.009	7.25
37	MP3A	X	10.246	1.25
38	MP3A	Z	17.746	1.25
39	MP3A	Mx	-.008	1.25
40	MP3A	X	10.246	7.25
41	MP3A	Z	17.746	7.25
42	MP3A	Mx	-.008	7.25
43	MP3B	X	10.822	1.25
44	MP3B	Z	18.744	1.25
45	MP3B	Mx	-.005	1.25
46	MP3B	X	10.822	7.25
47	MP3B	Z	18.744	7.25
48	MP3B	Mx	-.005	7.25
49	MP3C	X	9.739	1.25
50	MP3C	Z	16.869	1.25
51	MP3C	Mx	.009	1.25
52	MP3C	X	9.739	7.25
53	MP3C	Z	16.869	7.25
54	MP3C	Mx	.009	7.25
55	M55	X	9.963	2
56	M55	Z	17.256	2
57	M55	Mx	0	2
58	MP1A	X	4.404	2.75
59	MP1A	Z	7.627	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.003	2.75
61	MP1A	X	4.404	5.75
62	MP1A	Z	7.627	5.75
63	MP1A	Mx	-.003	5.75
64	MP1B	X	5.694	2.75
65	MP1B	Z	9.862	2.75
66	MP1B	Mx	-.003	2.75
67	MP1B	X	5.694	5.75
68	MP1B	Z	9.862	5.75
69	MP1B	Mx	-.003	5.75
70	MP1C	X	3.269	2.75
71	MP1C	Z	5.662	2.75
72	MP1C	Mx	.003	2.75
73	MP1C	X	3.269	5.75
74	MP1C	Z	5.662	5.75
75	MP1C	Mx	.003	5.75
76	MP2A	X	4.551	4.25
77	MP2A	Z	7.883	4.25
78	MP2A	Mx	.003	4.25
79	MP2B	X	5.123	4.25
80	MP2B	Z	8.873	4.25
81	MP2B	Mx	.003	4.25
82	MP2C	X	4.048	4.25
83	MP2C	Z	7.012	4.25
84	MP2C	Mx	-.004	4.25
85	MP3A	X	4.173	4.25
86	MP3A	Z	7.227	4.25
87	MP3A	Mx	.003	4.25
88	MP3B	X	4.962	4.25
89	MP3B	Z	8.594	4.25
90	MP3B	Mx	.002	4.25
91	MP3C	X	3.479	4.25
92	MP3C	Z	6.026	4.25
93	MP3C	Mx	-.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.25
2	MP4A	Z	14.584	2.25
3	MP4A	Mx	-.002	2.25
4	MP4A	X	0	6.25
5	MP4A	Z	14.584	6.25
6	MP4A	Mx	-.002	6.25
7	MP4B	X	0	2.25
8	MP4B	Z	11.055	2.25
9	MP4B	Mx	-.005	2.25
10	MP4B	X	0	6.25
11	MP4B	Z	11.055	6.25
12	MP4B	Mx	-.005	6.25
13	MP4C	X	0	2.25
14	MP4C	Z	12.933	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	.004	2.25
16	MP4C	X	0	6.25
17	MP4C	Z	12.933	6.25
18	MP4C	Mx	.004	6.25
19	MP2A	X	0	1.25
20	MP2A	Z	22.098	1.25
21	MP2A	Mx	-.004	1.25
22	MP2A	X	0	7.25
23	MP2A	Z	22.098	7.25
24	MP2A	Mx	-.004	7.25
25	MP2B	X	0	1.25
26	MP2B	Z	19.934	1.25
27	MP2B	Mx	-.009	1.25
28	MP2B	X	0	7.25
29	MP2B	Z	19.934	7.25
30	MP2B	Mx	-.009	7.25
31	MP2C	X	0	1.25
32	MP2C	Z	21.085	1.25
33	MP2C	Mx	.007	1.25
34	MP2C	X	0	7.25
35	MP2C	Z	21.085	7.25
36	MP2C	Mx	.007	7.25
37	MP3A	X	0	1.25
38	MP3A	Z	22.098	1.25
39	MP3A	Mx	-.004	1.25
40	MP3A	X	0	7.25
41	MP3A	Z	22.098	7.25
42	MP3A	Mx	-.004	7.25
43	MP3B	X	0	1.25
44	MP3B	Z	19.934	1.25
45	MP3B	Mx	-.009	1.25
46	MP3B	X	0	7.25
47	MP3B	Z	19.934	7.25
48	MP3B	Mx	-.009	7.25
49	MP3C	X	0	1.25
50	MP3C	Z	21.085	1.25
51	MP3C	Mx	.007	1.25
52	MP3C	X	0	7.25
53	MP3C	Z	21.085	7.25
54	MP3C	Mx	.007	7.25
55	M55	X	0	2
56	M55	Z	22.278	2
57	M55	Mx	0	2
58	MP1A	X	0	2.75
59	MP1A	Z	12.407	2.75
60	MP1A	Mx	-.002	2.75
61	MP1A	X	0	5.75
62	MP1A	Z	12.407	5.75
63	MP1A	Mx	-.002	5.75
64	MP1B	X	0	2.75
65	MP1B	Z	7.557	2.75
66	MP1B	Mx	-.003	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1B	X	0	5.75
68	MP1B	Z	7.557	5.75
69	MP1B	Mx	-.003	5.75
70	MP1C	X	0	2.75
71	MP1C	Z	10.138	2.75
72	MP1C	Mx	.003	2.75
73	MP1C	X	0	5.75
74	MP1C	Z	10.138	5.75
75	MP1C	Mx	.003	5.75
76	MP2A	X	0	4.25
77	MP2A	Z	10.697	4.25
78	MP2A	Mx	.002	4.25
79	MP2B	X	0	4.25
80	MP2B	Z	8.548	4.25
81	MP2B	Mx	.004	4.25
82	MP2C	X	0	4.25
83	MP2C	Z	9.692	4.25
84	MP2C	Mx	-.003	4.25
85	MP3A	X	0	4.25
86	MP3A	Z	10.546	4.25
87	MP3A	Mx	.002	4.25
88	MP3B	X	0	4.25
89	MP3B	Z	7.581	4.25
90	MP3B	Mx	.003	4.25
91	MP3C	X	0	4.25
92	MP3C	Z	9.159	4.25
93	MP3C	Mx	-.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-7.534	2.25
2	MP4A	Z	13.05	2.25
3	MP4A	Mx	.001	2.25
4	MP4A	X	-7.534	6.25
5	MP4A	Z	13.05	6.25
6	MP4A	Mx	.001	6.25
7	MP4B	X	-4.83	2.25
8	MP4B	Z	8.366	2.25
9	MP4B	Mx	-.005	2.25
10	MP4B	X	-4.83	6.25
11	MP4B	Z	8.366	6.25
12	MP4B	Mx	-.005	6.25
13	MP4C	X	-7.534	2.25
14	MP4C	Z	13.05	2.25
15	MP4C	Mx	.001	2.25
16	MP4C	X	-7.534	6.25
17	MP4C	Z	13.05	6.25
18	MP4C	Mx	.001	6.25
19	MP2A	X	-11.197	1.25
20	MP2A	Z	19.395	1.25
21	MP2A	Mx	.002	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-11.197	7.25
23	MP2A	Z	19.395	7.25
24	MP2A	Mx	.002	7.25
25	MP2B	X	-9.539	1.25
26	MP2B	Z	16.523	1.25
27	MP2B	Mx	-.01	1.25
28	MP2B	X	-9.539	7.25
29	MP2B	Z	16.523	7.25
30	MP2B	Mx	-.01	7.25
31	MP2C	X	-11.197	1.25
32	MP2C	Z	19.395	1.25
33	MP2C	Mx	.002	1.25
34	MP2C	X	-11.197	7.25
35	MP2C	Z	19.395	7.25
36	MP2C	Mx	.002	7.25
37	MP3A	X	-11.197	1.25
38	MP3A	Z	19.395	1.25
39	MP3A	Mx	.002	1.25
40	MP3A	X	-11.197	7.25
41	MP3A	Z	19.395	7.25
42	MP3A	Mx	.002	7.25
43	MP3B	X	-9.539	1.25
44	MP3B	Z	16.523	1.25
45	MP3B	Mx	-.01	1.25
46	MP3B	X	-9.539	7.25
47	MP3B	Z	16.523	7.25
48	MP3B	Mx	-.01	7.25
49	MP3C	X	-11.197	1.25
50	MP3C	Z	19.395	1.25
51	MP3C	Mx	.002	1.25
52	MP3C	X	-11.197	7.25
53	MP3C	Z	19.395	7.25
54	MP3C	Mx	.002	7.25
55	M55	X	-11.356	2
56	M55	Z	19.669	2
57	M55	Mx	0	2
58	MP1A	X	-6.536	2.75
59	MP1A	Z	11.321	2.75
60	MP1A	Mx	.001	2.75
61	MP1A	X	-6.536	5.75
62	MP1A	Z	11.321	5.75
63	MP1A	Mx	.001	5.75
64	MP1B	X	-2.821	2.75
65	MP1B	Z	4.885	2.75
66	MP1B	Mx	-.003	2.75
67	MP1B	X	-2.821	5.75
68	MP1B	Z	4.885	5.75
69	MP1B	Mx	-.003	5.75
70	MP1C	X	-6.536	2.75
71	MP1C	Z	11.321	2.75
72	MP1C	Mx	.001	2.75
73	MP1C	X	-6.536	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	11.321	5.75
75	MP1C	Mx	.001	5.75
76	MP2A	X	-5.496	4.25
77	MP2A	Z	9.519	4.25
78	MP2A	Mx	-.000954	4.25
79	MP2B	X	-3.85	4.25
80	MP2B	Z	6.668	4.25
81	MP2B	Mx	.004	4.25
82	MP2C	X	-5.496	4.25
83	MP2C	Z	9.519	4.25
84	MP2C	Mx	-.000954	4.25
85	MP3A	X	-5.476	4.25
86	MP3A	Z	9.486	4.25
87	MP3A	Mx	-.000951	4.25
88	MP3B	X	-3.205	4.25
89	MP3B	Z	5.551	4.25
90	MP3B	Mx	.003	4.25
91	MP3C	X	-5.476	4.25
92	MP3C	Z	9.486	4.25
93	MP3C	Mx	-.000951	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-11.2	2.25
2	MP4A	Z	6.466	2.25
3	MP4A	Mx	.004	2.25
4	MP4A	X	-11.2	6.25
5	MP4A	Z	6.466	6.25
6	MP4A	Mx	.004	6.25
7	MP4B	X	-9.574	2.25
8	MP4B	Z	5.527	2.25
9	MP4B	Mx	-.005	2.25
10	MP4B	X	-9.574	6.25
11	MP4B	Z	5.527	6.25
12	MP4B	Mx	-.005	6.25
13	MP4C	X	-12.63	2.25
14	MP4C	Z	7.292	2.25
15	MP4C	Mx	-.002	2.25
16	MP4C	X	-12.63	6.25
17	MP4C	Z	7.292	6.25
18	MP4C	Mx	-.002	6.25
19	MP2A	X	-18.26	1.25
20	MP2A	Z	10.543	1.25
21	MP2A	Mx	.007	1.25
22	MP2A	X	-18.26	7.25
23	MP2A	Z	10.543	7.25
24	MP2A	Mx	.007	7.25
25	MP2B	X	-17.263	1.25
26	MP2B	Z	9.967	1.25
27	MP2B	Mx	-.009	1.25
28	MP2B	X	-17.263	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	9.967	7.25
30	MP2B	Mx	-.009	7.25
31	MP2C	X	-19.137	1.25
32	MP2C	Z	11.049	1.25
33	MP2C	Mx	-.004	1.25
34	MP2C	X	-19.137	7.25
35	MP2C	Z	11.049	7.25
36	MP2C	Mx	-.004	7.25
37	MP3A	X	-18.26	1.25
38	MP3A	Z	10.543	1.25
39	MP3A	Mx	.007	1.25
40	MP3A	X	-18.26	7.25
41	MP3A	Z	10.543	7.25
42	MP3A	Mx	.007	7.25
43	MP3B	X	-17.263	1.25
44	MP3B	Z	9.967	1.25
45	MP3B	Mx	-.009	1.25
46	MP3B	X	-17.263	7.25
47	MP3B	Z	9.967	7.25
48	MP3B	Mx	-.009	7.25
49	MP3C	X	-19.137	1.25
50	MP3C	Z	11.049	1.25
51	MP3C	Mx	-.004	1.25
52	MP3C	X	-19.137	7.25
53	MP3C	Z	11.049	7.25
54	MP3C	Mx	-.004	7.25
55	M55	X	-18.009	2
56	M55	Z	10.397	2
57	M55	Mx	0	2
58	MP1A	X	-8.78	2.75
59	MP1A	Z	5.069	2.75
60	MP1A	Mx	.003	2.75
61	MP1A	X	-8.78	5.75
62	MP1A	Z	5.069	5.75
63	MP1A	Mx	.003	5.75
64	MP1B	X	-6.544	2.75
65	MP1B	Z	3.778	2.75
66	MP1B	Mx	-.003	2.75
67	MP1B	X	-6.544	5.75
68	MP1B	Z	3.778	5.75
69	MP1B	Mx	-.003	5.75
70	MP1C	X	-10.745	2.75
71	MP1C	Z	6.204	2.75
72	MP1C	Mx	-.002	2.75
73	MP1C	X	-10.745	5.75
74	MP1C	Z	6.204	5.75
75	MP1C	Mx	-.002	5.75
76	MP2A	X	-8.393	4.25
77	MP2A	Z	4.846	4.25
78	MP2A	Mx	-.003	4.25
79	MP2B	X	-7.403	4.25
80	MP2B	Z	4.274	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	.004	4.25
82	MP2C	X	-9.264	4.25
83	MP2C	Z	5.349	4.25
84	MP2C	Mx	.002	4.25
85	MP3A	X	-7.932	4.25
86	MP3A	Z	4.579	4.25
87	MP3A	Mx	-.003	4.25
88	MP3B	X	-6.565	4.25
89	MP3B	Z	3.791	4.25
90	MP3B	Mx	.003	4.25
91	MP3C	X	-9.133	4.25
92	MP3C	Z	5.273	4.25
93	MP3C	Mx	.002	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-10.313	2.25
2	MP4A	Z	0	2.25
3	MP4A	Mx	.005	2.25
4	MP4A	X	-10.313	6.25
5	MP4A	Z	0	6.25
6	MP4A	Mx	.005	6.25
7	MP4B	X	-13.843	2.25
8	MP4B	Z	0	2.25
9	MP4B	Mx	-.003	2.25
10	MP4B	X	-13.843	6.25
11	MP4B	Z	0	6.25
12	MP4B	Mx	-.003	6.25
13	MP4C	X	-11.964	2.25
14	MP4C	Z	0	2.25
15	MP4C	Mx	-.005	2.25
16	MP4C	X	-11.964	6.25
17	MP4C	Z	0	6.25
18	MP4C	Mx	-.005	6.25
19	MP2A	X	-19.479	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	.009	1.25
22	MP2A	X	-19.479	7.25
23	MP2A	Z	0	7.25
24	MP2A	Mx	.009	7.25
25	MP2B	X	-21.643	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	-.005	1.25
28	MP2B	X	-21.643	7.25
29	MP2B	Z	0	7.25
30	MP2B	Mx	-.005	7.25
31	MP2C	X	-20.492	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	-.008	1.25
34	MP2C	X	-20.492	7.25
35	MP2C	Z	0	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.008	7.25
37	MP3A	X	-19.479	1.25
38	MP3A	Z	0	1.25
39	MP3A	Mx	.009	1.25
40	MP3A	X	-19.479	7.25
41	MP3A	Z	0	7.25
42	MP3A	Mx	.009	7.25
43	MP3B	X	-21.643	1.25
44	MP3B	Z	0	1.25
45	MP3B	Mx	-.005	1.25
46	MP3B	X	-21.643	7.25
47	MP3B	Z	0	7.25
48	MP3B	Mx	-.005	7.25
49	MP3C	X	-20.492	1.25
50	MP3C	Z	0	1.25
51	MP3C	Mx	-.008	1.25
52	MP3C	X	-20.492	7.25
53	MP3C	Z	0	7.25
54	MP3C	Mx	-.008	7.25
55	M55	X	-18.442	2
56	M55	Z	0	2
57	M55	Mx	0	2
58	MP1A	X	-6.537	2.75
59	MP1A	Z	0	2.75
60	MP1A	Mx	.003	2.75
61	MP1A	X	-6.537	5.75
62	MP1A	Z	0	5.75
63	MP1A	Mx	.003	5.75
64	MP1B	X	-11.388	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	-.003	2.75
67	MP1B	X	-11.388	5.75
68	MP1B	Z	0	5.75
69	MP1B	Mx	-.003	5.75
70	MP1C	X	-8.807	2.75
71	MP1C	Z	0	2.75
72	MP1C	Mx	-.003	2.75
73	MP1C	X	-8.807	5.75
74	MP1C	Z	0	5.75
75	MP1C	Mx	-.003	5.75
76	MP2A	X	-8.097	4.25
77	MP2A	Z	0	4.25
78	MP2A	Mx	-.004	4.25
79	MP2B	X	-10.246	4.25
80	MP2B	Z	0	4.25
81	MP2B	Mx	.003	4.25
82	MP2C	X	-9.102	4.25
83	MP2C	Z	0	4.25
84	MP2C	Mx	.003	4.25
85	MP3A	X	-6.958	4.25
86	MP3A	Z	0	4.25
87	MP3A	Mx	-.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	-9.923	4.25
89	MP3B	Z	0	4.25
90	MP3B	Mx	.002	4.25
91	MP3C	X	-8.345	4.25
92	MP3C	Z	0	4.25
93	MP3C	Mx	.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-8.512	2.25
2	MP4A	Z	-4.914	2.25
3	MP4A	Mx	.005	2.25
4	MP4A	X	-8.512	6.25
5	MP4A	Z	-4.914	6.25
6	MP4A	Mx	.005	6.25
7	MP4B	X	-13.195	2.25
8	MP4B	Z	-7.618	2.25
9	MP4B	Mx	0	2.25
10	MP4B	X	-13.195	6.25
11	MP4B	Z	-7.618	6.25
12	MP4B	Mx	0	6.25
13	MP4C	X	-8.512	2.25
14	MP4C	Z	-4.914	2.25
15	MP4C	Mx	-.005	2.25
16	MP4C	X	-8.512	6.25
17	MP4C	Z	-4.914	6.25
18	MP4C	Mx	-.005	6.25
19	MP2A	X	-16.612	1.25
20	MP2A	Z	-9.591	1.25
21	MP2A	Mx	.009	1.25
22	MP2A	X	-16.612	7.25
23	MP2A	Z	-9.591	7.25
24	MP2A	Mx	.009	7.25
25	MP2B	X	-19.484	1.25
26	MP2B	Z	-11.249	1.25
27	MP2B	Mx	0	1.25
28	MP2B	X	-19.484	7.25
29	MP2B	Z	-11.249	7.25
30	MP2B	Mx	0	7.25
31	MP2C	X	-16.612	1.25
32	MP2C	Z	-9.591	1.25
33	MP2C	Mx	-.009	1.25
34	MP2C	X	-16.612	7.25
35	MP2C	Z	-9.591	7.25
36	MP2C	Mx	-.009	7.25
37	MP3A	X	-16.612	1.25
38	MP3A	Z	-9.591	1.25
39	MP3A	Mx	.009	1.25
40	MP3A	X	-16.612	7.25
41	MP3A	Z	-9.591	7.25
42	MP3A	Mx	.009	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	-19.484	1.25
44	MP3B	Z	-11.249	1.25
45	MP3B	Mx	0	1.25
46	MP3B	X	-19.484	7.25
47	MP3B	Z	-11.249	7.25
48	MP3B	Mx	0	7.25
49	MP3C	X	-16.612	1.25
50	MP3C	Z	-9.591	1.25
51	MP3C	Mx	-.009	1.25
52	MP3C	X	-16.612	7.25
53	MP3C	Z	-9.591	7.25
54	MP3C	Mx	-.009	7.25
55	M55	X	-15.595	2
56	M55	Z	-9.004	2
57	M55	Mx	0	2
58	MP1A	X	-5.085	2.75
59	MP1A	Z	-2.936	2.75
60	MP1A	Mx	.003	2.75
61	MP1A	X	-5.085	5.75
62	MP1A	Z	-2.936	5.75
63	MP1A	Mx	.003	5.75
64	MP1B	X	-11.521	2.75
65	MP1B	Z	-6.652	2.75
66	MP1B	Mx	0	2.75
67	MP1B	X	-11.521	5.75
68	MP1B	Z	-6.652	5.75
69	MP1B	Mx	0	5.75
70	MP1C	X	-5.085	2.75
71	MP1C	Z	-2.936	2.75
72	MP1C	Mx	-.003	2.75
73	MP1C	X	-5.085	5.75
74	MP1C	Z	-2.936	5.75
75	MP1C	Mx	-.003	5.75
76	MP2A	X	-6.757	4.25
77	MP2A	Z	-3.901	4.25
78	MP2A	Mx	-.004	4.25
79	MP2B	X	-9.608	4.25
80	MP2B	Z	-5.547	4.25
81	MP2B	Mx	0	4.25
82	MP2C	X	-6.757	4.25
83	MP2C	Z	-3.901	4.25
84	MP2C	Mx	.004	4.25
85	MP3A	X	-5.674	4.25
86	MP3A	Z	-3.276	4.25
87	MP3A	Mx	-.003	4.25
88	MP3B	X	-9.608	4.25
89	MP3B	Z	-5.547	4.25
90	MP3B	Mx	0	4.25
91	MP3C	X	-5.674	4.25
92	MP3C	Z	-3.276	4.25
93	MP3C	Mx	.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-5.982	2.25
2	MP4A	Z	-10.362	2.25
3	MP4A	Mx	.005	2.25
4	MP4A	X	-5.982	6.25
5	MP4A	Z	-10.362	6.25
6	MP4A	Mx	.005	6.25
7	MP4B	X	-6.921	2.25
8	MP4B	Z	-11.988	2.25
9	MP4B	Mx	.003	2.25
10	MP4B	X	-6.921	6.25
11	MP4B	Z	-11.988	6.25
12	MP4B	Mx	.003	6.25
13	MP4C	X	-5.156	2.25
14	MP4C	Z	-8.931	2.25
15	MP4C	Mx	-.005	2.25
16	MP4C	X	-5.156	6.25
17	MP4C	Z	-8.931	6.25
18	MP4C	Mx	-.005	6.25
19	MP2A	X	-10.246	1.25
20	MP2A	Z	-17.746	1.25
21	MP2A	Mx	.008	1.25
22	MP2A	X	-10.246	7.25
23	MP2A	Z	-17.746	7.25
24	MP2A	Mx	.008	7.25
25	MP2B	X	-10.822	1.25
26	MP2B	Z	-18.744	1.25
27	MP2B	Mx	.005	1.25
28	MP2B	X	-10.822	7.25
29	MP2B	Z	-18.744	7.25
30	MP2B	Mx	.005	7.25
31	MP2C	X	-9.739	1.25
32	MP2C	Z	-16.869	1.25
33	MP2C	Mx	-.009	1.25
34	MP2C	X	-9.739	7.25
35	MP2C	Z	-16.869	7.25
36	MP2C	Mx	-.009	7.25
37	MP3A	X	-10.246	1.25
38	MP3A	Z	-17.746	1.25
39	MP3A	Mx	.008	1.25
40	MP3A	X	-10.246	7.25
41	MP3A	Z	-17.746	7.25
42	MP3A	Mx	.008	7.25
43	MP3B	X	-10.822	1.25
44	MP3B	Z	-18.744	1.25
45	MP3B	Mx	.005	1.25
46	MP3B	X	-10.822	7.25
47	MP3B	Z	-18.744	7.25
48	MP3B	Mx	.005	7.25
49	MP3C	X	-9.739	1.25
50	MP3C	Z	-16.869	1.25
51	MP3C	Mx	-.009	1.25
52	MP3C	X	-9.739	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	-16.869	7.25
54	MP3C	Mx	-.009	7.25
55	M55	X	-9.963	2
56	M55	Z	-17.256	2
57	M55	Mx	0	2
58	MP1A	X	-4.404	2.75
59	MP1A	Z	-7.627	2.75
60	MP1A	Mx	.003	2.75
61	MP1A	X	-4.404	5.75
62	MP1A	Z	-7.627	5.75
63	MP1A	Mx	.003	5.75
64	MP1B	X	-5.694	2.75
65	MP1B	Z	-9.862	2.75
66	MP1B	Mx	.003	2.75
67	MP1B	X	-5.694	5.75
68	MP1B	Z	-9.862	5.75
69	MP1B	Mx	.003	5.75
70	MP1C	X	-3.269	2.75
71	MP1C	Z	-5.662	2.75
72	MP1C	Mx	-.003	2.75
73	MP1C	X	-3.269	5.75
74	MP1C	Z	-5.662	5.75
75	MP1C	Mx	-.003	5.75
76	MP2A	X	-4.551	4.25
77	MP2A	Z	-7.883	4.25
78	MP2A	Mx	-.003	4.25
79	MP2B	X	-5.123	4.25
80	MP2B	Z	-8.873	4.25
81	MP2B	Mx	-.003	4.25
82	MP2C	X	-4.048	4.25
83	MP2C	Z	-7.012	4.25
84	MP2C	Mx	.004	4.25
85	MP3A	X	-4.173	4.25
86	MP3A	Z	-7.227	4.25
87	MP3A	Mx	-.003	4.25
88	MP3B	X	-4.962	4.25
89	MP3B	Z	-8.594	4.25
90	MP3B	Mx	-.002	4.25
91	MP3C	X	-3.479	4.25
92	MP3C	Z	-6.026	4.25
93	MP3C	Mx	.003	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.25
2	MP4A	Z	-4.701	2.25
3	MP4A	Mx	.000804	2.25
4	MP4A	X	0	6.25
5	MP4A	Z	-4.701	6.25
6	MP4A	Mx	.000804	6.25
7	MP4B	X	0	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	-3.465	2.25
9	MP4B	Mx	.002	2.25
10	MP4B	X	0	6.25
11	MP4B	Z	-3.465	6.25
12	MP4B	Mx	.002	6.25
13	MP4C	X	0	2.25
14	MP4C	Z	-4.123	2.25
15	MP4C	Mx	-.001	2.25
16	MP4C	X	0	6.25
17	MP4C	Z	-4.123	6.25
18	MP4C	Mx	-.001	6.25
19	MP2A	X	0	1.25
20	MP2A	Z	-7.238	1.25
21	MP2A	Mx	.001	1.25
22	MP2A	X	0	7.25
23	MP2A	Z	-7.238	7.25
24	MP2A	Mx	.001	7.25
25	MP2B	X	0	1.25
26	MP2B	Z	-6.474	1.25
27	MP2B	Mx	.003	1.25
28	MP2B	X	0	7.25
29	MP2B	Z	-6.474	7.25
30	MP2B	Mx	.003	7.25
31	MP2C	X	0	1.25
32	MP2C	Z	-6.881	1.25
33	MP2C	Mx	-.002	1.25
34	MP2C	X	0	7.25
35	MP2C	Z	-6.881	7.25
36	MP2C	Mx	-.002	7.25
37	MP3A	X	0	1.25
38	MP3A	Z	-7.238	1.25
39	MP3A	Mx	.001	1.25
40	MP3A	X	0	7.25
41	MP3A	Z	-7.238	7.25
42	MP3A	Mx	.001	7.25
43	MP3B	X	0	1.25
44	MP3B	Z	-6.474	1.25
45	MP3B	Mx	.003	1.25
46	MP3B	X	0	7.25
47	MP3B	Z	-6.474	7.25
48	MP3B	Mx	.003	7.25
49	MP3C	X	0	1.25
50	MP3C	Z	-6.881	1.25
51	MP3C	Mx	-.002	1.25
52	MP3C	X	0	7.25
53	MP3C	Z	-6.881	7.25
54	MP3C	Mx	-.002	7.25
55	M55	X	0	2
56	M55	Z	-7.115	2
57	M55	Mx	0	2
58	MP1A	X	0	2.75
59	MP1A	Z	-3.963	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.000678	2.75
61	MP1A	X	0	5.75
62	MP1A	Z	-3.963	5.75
63	MP1A	Mx	.000678	5.75
64	MP1B	X	0	2.75
65	MP1B	Z	-2.319	2.75
66	MP1B	Mx	.001	2.75
67	MP1B	X	0	5.75
68	MP1B	Z	-2.319	5.75
69	MP1B	Mx	.001	5.75
70	MP1C	X	0	2.75
71	MP1C	Z	-3.194	2.75
72	MP1C	Mx	-.001	2.75
73	MP1C	X	0	5.75
74	MP1C	Z	-3.194	5.75
75	MP1C	Mx	-.001	5.75
76	MP2A	X	0	4.25
77	MP2A	Z	-3.24	4.25
78	MP2A	Mx	-.000554	4.25
79	MP2B	X	0	4.25
80	MP2B	Z	-2.532	4.25
81	MP2B	Mx	-.001	4.25
82	MP2C	X	0	4.25
83	MP2C	Z	-2.909	4.25
84	MP2C	Mx	.000935	4.25
85	MP3A	X	0	4.25
86	MP3A	Z	-3.19	4.25
87	MP3A	Mx	-.000546	4.25
88	MP3B	X	0	4.25
89	MP3B	Z	-2.211	4.25
90	MP3B	Mx	-.000957	4.25
91	MP3C	X	0	4.25
92	MP3C	Z	-2.732	4.25
93	MP3C	Mx	.000878	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.435	2.25
2	MP4A	Z	-4.218	2.25
3	MP4A	Mx	-.000423	2.25
4	MP4A	X	2.435	6.25
5	MP4A	Z	-4.218	6.25
6	MP4A	Mx	-.000423	6.25
7	MP4B	X	1.489	2.25
8	MP4B	Z	-2.579	2.25
9	MP4B	Mx	.001	2.25
10	MP4B	X	1.489	6.25
11	MP4B	Z	-2.579	6.25
12	MP4B	Mx	.001	6.25
13	MP4C	X	2.435	2.25
14	MP4C	Z	-4.218	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.000423	2.25
16	MP4C	X	2.435	6.25
17	MP4C	Z	-4.218	6.25
18	MP4C	Mx	-.000423	6.25
19	MP2A	X	3.672	1.25
20	MP2A	Z	-6.359	1.25
21	MP2A	Mx	-.000638	1.25
22	MP2A	X	3.672	7.25
23	MP2A	Z	-6.359	7.25
24	MP2A	Mx	-.000638	7.25
25	MP2B	X	3.086	1.25
26	MP2B	Z	-5.345	1.25
27	MP2B	Mx	.003	1.25
28	MP2B	X	3.086	7.25
29	MP2B	Z	-5.345	7.25
30	MP2B	Mx	.003	7.25
31	MP2C	X	3.672	1.25
32	MP2C	Z	-6.359	1.25
33	MP2C	Mx	-.000637	1.25
34	MP2C	X	3.672	7.25
35	MP2C	Z	-6.359	7.25
36	MP2C	Mx	-.000637	7.25
37	MP3A	X	3.672	1.25
38	MP3A	Z	-6.359	1.25
39	MP3A	Mx	-.000638	1.25
40	MP3A	X	3.672	7.25
41	MP3A	Z	-6.359	7.25
42	MP3A	Mx	-.000638	7.25
43	MP3B	X	3.086	1.25
44	MP3B	Z	-5.345	1.25
45	MP3B	Mx	.003	1.25
46	MP3B	X	3.086	7.25
47	MP3B	Z	-5.345	7.25
48	MP3B	Mx	.003	7.25
49	MP3C	X	3.672	1.25
50	MP3C	Z	-6.359	1.25
51	MP3C	Mx	-.000637	1.25
52	MP3C	X	3.672	7.25
53	MP3C	Z	-6.359	7.25
54	MP3C	Mx	-.000637	7.25
55	M55	X	3.633	2
56	M55	Z	-6.292	2
57	M55	Mx	0	2
58	MP1A	X	2.094	2.75
59	MP1A	Z	-3.627	2.75
60	MP1A	Mx	-.000364	2.75
61	MP1A	X	2.094	5.75
62	MP1A	Z	-3.627	5.75
63	MP1A	Mx	-.000364	5.75
64	MP1B	X	.835	2.75
65	MP1B	Z	-1.446	2.75
66	MP1B	Mx	.000835	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1B	X	.835	5.75
68	MP1B	Z	-1.446	5.75
69	MP1B	Mx	.000835	5.75
70	MP1C	X	2.094	2.75
71	MP1C	Z	-3.627	2.75
72	MP1C	Mx	-.000364	2.75
73	MP1C	X	2.094	5.75
74	MP1C	Z	-3.627	5.75
75	MP1C	Mx	-.000364	5.75
76	MP2A	X	1.668	4.25
77	MP2A	Z	-2.89	4.25
78	MP2A	Mx	.000289	4.25
79	MP2B	X	1.126	4.25
80	MP2B	Z	-1.951	4.25
81	MP2B	Mx	-.001	4.25
82	MP2C	X	1.668	4.25
83	MP2C	Z	-2.89	4.25
84	MP2C	Mx	.00029	4.25
85	MP3A	X	1.662	4.25
86	MP3A	Z	-2.878	4.25
87	MP3A	Mx	.000289	4.25
88	MP3B	X	.912	4.25
89	MP3B	Z	-1.58	4.25
90	MP3B	Mx	-.000912	4.25
91	MP3C	X	1.662	4.25
92	MP3C	Z	-2.878	4.25
93	MP3C	Mx	.000288	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	3.57	2.25
2	MP4A	Z	-2.061	2.25
3	MP4A	Mx	-.001	2.25
4	MP4A	X	3.57	6.25
5	MP4A	Z	-2.061	6.25
6	MP4A	Mx	-.001	6.25
7	MP4B	X	3.001	2.25
8	MP4B	Z	-1.733	2.25
9	MP4B	Mx	.002	2.25
10	MP4B	X	3.001	6.25
11	MP4B	Z	-1.733	6.25
12	MP4B	Mx	.002	6.25
13	MP4C	X	4.071	2.25
14	MP4C	Z	-2.35	2.25
15	MP4C	Mx	.000804	2.25
16	MP4C	X	4.071	6.25
17	MP4C	Z	-2.35	6.25
18	MP4C	Mx	.000804	6.25
19	MP2A	X	5.959	1.25
20	MP2A	Z	-3.44	1.25
21	MP2A	Mx	-.002	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	5.959	7.25
23	MP2A	Z	-3.44	7.25
24	MP2A	Mx	-.002	7.25
25	MP2B	X	5.607	1.25
26	MP2B	Z	-3.237	1.25
27	MP2B	Mx	.003	1.25
28	MP2B	X	5.607	7.25
29	MP2B	Z	-3.237	7.25
30	MP2B	Mx	.003	7.25
31	MP2C	X	6.269	1.25
32	MP2C	Z	-3.619	1.25
33	MP2C	Mx	.001	1.25
34	MP2C	X	6.269	7.25
35	MP2C	Z	-3.619	7.25
36	MP2C	Mx	.001	7.25
37	MP3A	X	5.959	1.25
38	MP3A	Z	-3.44	1.25
39	MP3A	Mx	-.002	1.25
40	MP3A	X	5.959	7.25
41	MP3A	Z	-3.44	7.25
42	MP3A	Mx	-.002	7.25
43	MP3B	X	5.607	1.25
44	MP3B	Z	-3.237	1.25
45	MP3B	Mx	.003	1.25
46	MP3B	X	5.607	7.25
47	MP3B	Z	-3.237	7.25
48	MP3B	Mx	.003	7.25
49	MP3C	X	6.269	1.25
50	MP3C	Z	-3.619	1.25
51	MP3C	Mx	.001	1.25
52	MP3C	X	6.269	7.25
53	MP3C	Z	-3.619	7.25
54	MP3C	Mx	.001	7.25
55	M55	X	5.716	2
56	M55	Z	-3.3	2
57	M55	Mx	0	2
58	MP1A	X	2.766	2.75
59	MP1A	Z	-1.597	2.75
60	MP1A	Mx	-.001	2.75
61	MP1A	X	2.766	5.75
62	MP1A	Z	-1.597	5.75
63	MP1A	Mx	-.001	5.75
64	MP1B	X	2.009	2.75
65	MP1B	Z	-1.16	2.75
66	MP1B	Mx	.001	2.75
67	MP1B	X	2.009	5.75
68	MP1B	Z	-1.16	5.75
69	MP1B	Mx	.001	5.75
70	MP1C	X	3.432	2.75
71	MP1C	Z	-1.981	2.75
72	MP1C	Mx	.000678	2.75
73	MP1C	X	3.432	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	-1.981	5.75
75	MP1C	Mx	.000678	5.75
76	MP2A	X	2.519	4.25
77	MP2A	Z	-1.454	4.25
78	MP2A	Mx	.000935	4.25
79	MP2B	X	2.193	4.25
80	MP2B	Z	-1.266	4.25
81	MP2B	Mx	-.001	4.25
82	MP2C	X	2.806	4.25
83	MP2C	Z	-1.62	4.25
84	MP2C	Mx	-.000554	4.25
85	MP3A	X	2.366	4.25
86	MP3A	Z	-1.366	4.25
87	MP3A	Mx	.000878	4.25
88	MP3B	X	1.915	4.25
89	MP3B	Z	-1.106	4.25
90	MP3B	Mx	-.000958	4.25
91	MP3C	X	2.762	4.25
92	MP3C	Z	-1.595	4.25
93	MP3C	Mx	-.000545	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	3.206	2.25
2	MP4A	Z	0	2.25
3	MP4A	Mx	-.002	2.25
4	MP4A	X	3.206	6.25
5	MP4A	Z	0	6.25
6	MP4A	Mx	-.002	6.25
7	MP4B	X	4.441	2.25
8	MP4B	Z	0	2.25
9	MP4B	Mx	.001	2.25
10	MP4B	X	4.441	6.25
11	MP4B	Z	0	6.25
12	MP4B	Mx	.001	6.25
13	MP4C	X	3.784	2.25
14	MP4C	Z	0	2.25
15	MP4C	Mx	.001	2.25
16	MP4C	X	3.784	6.25
17	MP4C	Z	0	6.25
18	MP4C	Mx	.001	6.25
19	MP2A	X	6.314	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	-.003	1.25
22	MP2A	X	6.314	7.25
23	MP2A	Z	0	7.25
24	MP2A	Mx	-.003	7.25
25	MP2B	X	7.078	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	.002	1.25
28	MP2B	X	7.078	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	0	7.25
30	MP2B	Mx	.002	7.25
31	MP2C	X	6.671	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	.003	1.25
34	MP2C	X	6.671	7.25
35	MP2C	Z	0	7.25
36	MP2C	Mx	.003	7.25
37	MP3A	X	6.314	1.25
38	MP3A	Z	0	1.25
39	MP3A	Mx	-.003	1.25
40	MP3A	X	6.314	7.25
41	MP3A	Z	0	7.25
42	MP3A	Mx	-.003	7.25
43	MP3B	X	7.078	1.25
44	MP3B	Z	0	1.25
45	MP3B	Mx	.002	1.25
46	MP3B	X	7.078	7.25
47	MP3B	Z	0	7.25
48	MP3B	Mx	.002	7.25
49	MP3C	X	6.671	1.25
50	MP3C	Z	0	1.25
51	MP3C	Mx	.003	1.25
52	MP3C	X	6.671	7.25
53	MP3C	Z	0	7.25
54	MP3C	Mx	.003	7.25
55	M55	X	5.786	2
56	M55	Z	0	2
57	M55	Mx	0	2
58	MP1A	X	1.974	2.75
59	MP1A	Z	0	2.75
60	MP1A	Mx	-.000927	2.75
61	MP1A	X	1.974	5.75
62	MP1A	Z	0	5.75
63	MP1A	Mx	-.000927	5.75
64	MP1B	X	3.617	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	.000904	2.75
67	MP1B	X	3.617	5.75
68	MP1B	Z	0	5.75
69	MP1B	Mx	.000904	5.75
70	MP1C	X	2.743	2.75
71	MP1C	Z	0	2.75
72	MP1C	Mx	.001	2.75
73	MP1C	X	2.743	5.75
74	MP1C	Z	0	5.75
75	MP1C	Mx	.001	5.75
76	MP2A	X	2.384	4.25
77	MP2A	Z	0	4.25
78	MP2A	Mx	.001	4.25
79	MP2B	X	3.091	4.25
80	MP2B	Z	0	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.000773	4.25
82	MP2C	X	2.715	4.25
83	MP2C	Z	0	4.25
84	MP2C	Mx	-.001	4.25
85	MP3A	X	2.006	4.25
86	MP3A	Z	0	4.25
87	MP3A	Mx	.000943	4.25
88	MP3B	X	2.984	4.25
89	MP3B	Z	0	4.25
90	MP3B	Mx	-.000746	4.25
91	MP3C	X	2.463	4.25
92	MP3C	Z	0	4.25
93	MP3C	Mx	-.000943	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	2.63	2.25
2	MP4A	Z	1.518	2.25
3	MP4A	Mx	-.001	2.25
4	MP4A	X	2.63	6.25
5	MP4A	Z	1.518	6.25
6	MP4A	Mx	-.001	6.25
7	MP4B	X	4.269	2.25
8	MP4B	Z	2.464	2.25
9	MP4B	Mx	0	2.25
10	MP4B	X	4.269	6.25
11	MP4B	Z	2.464	6.25
12	MP4B	Mx	0	6.25
13	MP4C	X	2.63	2.25
14	MP4C	Z	1.518	2.25
15	MP4C	Mx	.001	2.25
16	MP4C	X	2.63	6.25
17	MP4C	Z	1.518	6.25
18	MP4C	Mx	.001	6.25
19	MP2A	X	5.377	1.25
20	MP2A	Z	3.104	1.25
21	MP2A	Mx	-.003	1.25
22	MP2A	X	5.377	7.25
23	MP2A	Z	3.104	7.25
24	MP2A	Mx	-.003	7.25
25	MP2B	X	6.391	1.25
26	MP2B	Z	3.69	1.25
27	MP2B	Mx	0	1.25
28	MP2B	X	6.391	7.25
29	MP2B	Z	3.69	7.25
30	MP2B	Mx	0	7.25
31	MP2C	X	5.377	1.25
32	MP2C	Z	3.104	1.25
33	MP2C	Mx	.003	1.25
34	MP2C	X	5.377	7.25
35	MP2C	Z	3.104	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.003	7.25
37	MP3A	X	5.377	1.25
38	MP3A	Z	3.104	1.25
39	MP3A	Mx	-.003	1.25
40	MP3A	X	5.377	7.25
41	MP3A	Z	3.104	7.25
42	MP3A	Mx	-.003	7.25
43	MP3B	X	6.391	1.25
44	MP3B	Z	3.69	1.25
45	MP3B	Mx	0	1.25
46	MP3B	X	6.391	7.25
47	MP3B	Z	3.69	7.25
48	MP3B	Mx	0	7.25
49	MP3C	X	5.377	1.25
50	MP3C	Z	3.104	1.25
51	MP3C	Mx	.003	1.25
52	MP3C	X	5.377	7.25
53	MP3C	Z	3.104	7.25
54	MP3C	Mx	.003	7.25
55	M55	X	4.88	2
56	M55	Z	2.818	2
57	M55	Mx	0	2
58	MP1A	X	1.514	2.75
59	MP1A	Z	.874	2.75
60	MP1A	Mx	-.000861	2.75
61	MP1A	X	1.514	5.75
62	MP1A	Z	.874	5.75
63	MP1A	Mx	-.000861	5.75
64	MP1B	X	3.695	2.75
65	MP1B	Z	2.133	2.75
66	MP1B	Mx	0	2.75
67	MP1B	X	3.695	5.75
68	MP1B	Z	2.133	5.75
69	MP1B	Mx	0	5.75
70	MP1C	X	1.514	2.75
71	MP1C	Z	.874	2.75
72	MP1C	Mx	.000861	2.75
73	MP1C	X	1.514	5.75
74	MP1C	Z	.874	5.75
75	MP1C	Mx	.000861	5.75
76	MP2A	X	1.98	4.25
77	MP2A	Z	1.143	4.25
78	MP2A	Mx	.001	4.25
79	MP2B	X	2.919	4.25
80	MP2B	Z	1.685	4.25
81	MP2B	Mx	0	4.25
82	MP2C	X	1.98	4.25
83	MP2C	Z	1.143	4.25
84	MP2C	Mx	-.001	4.25
85	MP3A	X	1.621	4.25
86	MP3A	Z	.936	4.25
87	MP3A	Mx	.000922	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	2.919	4.25
89	MP3B	Z	1.685	4.25
90	MP3B	Mx	0	4.25
91	MP3C	X	1.621	4.25
92	MP3C	Z	.936	4.25
93	MP3C	Mx	-.000922	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	1.892	2.25
2	MP4A	Z	3.277	2.25
3	MP4A	Mx	-.001	2.25
4	MP4A	X	1.892	6.25
5	MP4A	Z	3.277	6.25
6	MP4A	Mx	-.001	6.25
7	MP4B	X	2.221	2.25
8	MP4B	Z	3.846	2.25
9	MP4B	Mx	-.001	2.25
10	MP4B	X	2.221	6.25
11	MP4B	Z	3.846	6.25
12	MP4B	Mx	-.001	6.25
13	MP4C	X	1.603	2.25
14	MP4C	Z	2.776	2.25
15	MP4C	Mx	.002	2.25
16	MP4C	X	1.603	6.25
17	MP4C	Z	2.776	6.25
18	MP4C	Mx	.002	6.25
19	MP2A	X	3.336	1.25
20	MP2A	Z	5.777	1.25
21	MP2A	Mx	-.003	1.25
22	MP2A	X	3.336	7.25
23	MP2A	Z	5.777	7.25
24	MP2A	Mx	-.003	7.25
25	MP2B	X	3.539	1.25
26	MP2B	Z	6.13	1.25
27	MP2B	Mx	-.002	1.25
28	MP2B	X	3.539	7.25
29	MP2B	Z	6.13	7.25
30	MP2B	Mx	-.002	7.25
31	MP2C	X	3.157	1.25
32	MP2C	Z	5.468	1.25
33	MP2C	Mx	.003	1.25
34	MP2C	X	3.157	7.25
35	MP2C	Z	5.468	7.25
36	MP2C	Mx	.003	7.25
37	MP3A	X	3.336	1.25
38	MP3A	Z	5.777	1.25
39	MP3A	Mx	-.003	1.25
40	MP3A	X	3.336	7.25
41	MP3A	Z	5.777	7.25
42	MP3A	Mx	-.003	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3B	X	3.539	1.25
44	MP3B	Z	6.13	1.25
45	MP3B	Mx	-.002	1.25
46	MP3B	X	3.539	7.25
47	MP3B	Z	6.13	7.25
48	MP3B	Mx	-.002	7.25
49	MP3C	X	3.157	1.25
50	MP3C	Z	5.468	1.25
51	MP3C	Mx	.003	1.25
52	MP3C	X	3.157	7.25
53	MP3C	Z	5.468	7.25
54	MP3C	Mx	.003	7.25
55	M55	X	3.15	2
56	M55	Z	5.456	2
57	M55	Mx	0	2
58	MP1A	X	1.371	2.75
59	MP1A	Z	2.375	2.75
60	MP1A	Mx	-.001	2.75
61	MP1A	X	1.371	5.75
62	MP1A	Z	2.375	5.75
63	MP1A	Mx	-.001	5.75
64	MP1B	X	1.809	2.75
65	MP1B	Z	3.133	2.75
66	MP1B	Mx	-.000904	2.75
67	MP1B	X	1.809	5.75
68	MP1B	Z	3.133	5.75
69	MP1B	Mx	-.000904	5.75
70	MP1C	X	.987	2.75
71	MP1C	Z	1.709	2.75
72	MP1C	Mx	.000927	2.75
73	MP1C	X	.987	5.75
74	MP1C	Z	1.709	5.75
75	MP1C	Mx	.000927	5.75
76	MP2A	X	1.357	4.25
77	MP2A	Z	2.351	4.25
78	MP2A	Mx	.001	4.25
79	MP2B	X	1.546	4.25
80	MP2B	Z	2.677	4.25
81	MP2B	Mx	.000773	4.25
82	MP2C	X	1.192	4.25
83	MP2C	Z	2.064	4.25
84	MP2C	Mx	-.001	4.25
85	MP3A	X	1.232	4.25
86	MP3A	Z	2.133	4.25
87	MP3A	Mx	.000944	4.25
88	MP3B	X	1.492	4.25
89	MP3B	Z	2.584	4.25
90	MP3B	Mx	.000746	4.25
91	MP3C	X	1.003	4.25
92	MP3C	Z	1.737	4.25
93	MP3C	Mx	-.000942	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	0	2.25
2	MP4A	Z	4.701	2.25
3	MP4A	Mx	-.000804	2.25
4	MP4A	X	0	6.25
5	MP4A	Z	4.701	6.25
6	MP4A	Mx	-.000804	6.25
7	MP4B	X	0	2.25
8	MP4B	Z	3.465	2.25
9	MP4B	Mx	-.002	2.25
10	MP4B	X	0	6.25
11	MP4B	Z	3.465	6.25
12	MP4B	Mx	-.002	6.25
13	MP4C	X	0	2.25
14	MP4C	Z	4.123	2.25
15	MP4C	Mx	.001	2.25
16	MP4C	X	0	6.25
17	MP4C	Z	4.123	6.25
18	MP4C	Mx	.001	6.25
19	MP2A	X	0	1.25
20	MP2A	Z	7.238	1.25
21	MP2A	Mx	-.001	1.25
22	MP2A	X	0	7.25
23	MP2A	Z	7.238	7.25
24	MP2A	Mx	-.001	7.25
25	MP2B	X	0	1.25
26	MP2B	Z	6.474	1.25
27	MP2B	Mx	-.003	1.25
28	MP2B	X	0	7.25
29	MP2B	Z	6.474	7.25
30	MP2B	Mx	-.003	7.25
31	MP2C	X	0	1.25
32	MP2C	Z	6.881	1.25
33	MP2C	Mx	.002	1.25
34	MP2C	X	0	7.25
35	MP2C	Z	6.881	7.25
36	MP2C	Mx	.002	7.25
37	MP3A	X	0	1.25
38	MP3A	Z	7.238	1.25
39	MP3A	Mx	-.001	1.25
40	MP3A	X	0	7.25
41	MP3A	Z	7.238	7.25
42	MP3A	Mx	-.001	7.25
43	MP3B	X	0	1.25
44	MP3B	Z	6.474	1.25
45	MP3B	Mx	-.003	1.25
46	MP3B	X	0	7.25
47	MP3B	Z	6.474	7.25
48	MP3B	Mx	-.003	7.25
49	MP3C	X	0	1.25
50	MP3C	Z	6.881	1.25
51	MP3C	Mx	.002	1.25
52	MP3C	X	0	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	6.881	7.25
54	MP3C	Mx	.002	7.25
55	M55	X	0	2
56	M55	Z	7.115	2
57	M55	Mx	0	2
58	MP1A	X	0	2.75
59	MP1A	Z	3.963	2.75
60	MP1A	Mx	-.000678	2.75
61	MP1A	X	0	5.75
62	MP1A	Z	3.963	5.75
63	MP1A	Mx	-.000678	5.75
64	MP1B	X	0	2.75
65	MP1B	Z	2.319	2.75
66	MP1B	Mx	-.001	2.75
67	MP1B	X	0	5.75
68	MP1B	Z	2.319	5.75
69	MP1B	Mx	-.001	5.75
70	MP1C	X	0	2.75
71	MP1C	Z	3.194	2.75
72	MP1C	Mx	.001	2.75
73	MP1C	X	0	5.75
74	MP1C	Z	3.194	5.75
75	MP1C	Mx	.001	5.75
76	MP2A	X	0	4.25
77	MP2A	Z	3.24	4.25
78	MP2A	Mx	.000554	4.25
79	MP2B	X	0	4.25
80	MP2B	Z	2.532	4.25
81	MP2B	Mx	.001	4.25
82	MP2C	X	0	4.25
83	MP2C	Z	2.909	4.25
84	MP2C	Mx	-.000935	4.25
85	MP3A	X	0	4.25
86	MP3A	Z	3.19	4.25
87	MP3A	Mx	.000546	4.25
88	MP3B	X	0	4.25
89	MP3B	Z	2.211	4.25
90	MP3B	Mx	.000957	4.25
91	MP3C	X	0	4.25
92	MP3C	Z	2.732	4.25
93	MP3C	Mx	-.000878	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.435	2.25
2	MP4A	Z	4.218	2.25
3	MP4A	Mx	.000423	2.25
4	MP4A	X	-2.435	6.25
5	MP4A	Z	4.218	6.25
6	MP4A	Mx	.000423	6.25
7	MP4B	X	-1.489	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP4B	Z	2.579	2.25
9	MP4B	Mx	-.001	2.25
10	MP4B	X	-1.489	6.25
11	MP4B	Z	2.579	6.25
12	MP4B	Mx	-.001	6.25
13	MP4C	X	-2.435	2.25
14	MP4C	Z	4.218	2.25
15	MP4C	Mx	.000423	2.25
16	MP4C	X	-2.435	6.25
17	MP4C	Z	4.218	6.25
18	MP4C	Mx	.000423	6.25
19	MP2A	X	-3.672	1.25
20	MP2A	Z	6.359	1.25
21	MP2A	Mx	.000638	1.25
22	MP2A	X	-3.672	7.25
23	MP2A	Z	6.359	7.25
24	MP2A	Mx	.000638	7.25
25	MP2B	X	-3.086	1.25
26	MP2B	Z	5.345	1.25
27	MP2B	Mx	-.003	1.25
28	MP2B	X	-3.086	7.25
29	MP2B	Z	5.345	7.25
30	MP2B	Mx	-.003	7.25
31	MP2C	X	-3.672	1.25
32	MP2C	Z	6.359	1.25
33	MP2C	Mx	.000637	1.25
34	MP2C	X	-3.672	7.25
35	MP2C	Z	6.359	7.25
36	MP2C	Mx	.000637	7.25
37	MP3A	X	-3.672	1.25
38	MP3A	Z	6.359	1.25
39	MP3A	Mx	.000638	1.25
40	MP3A	X	-3.672	7.25
41	MP3A	Z	6.359	7.25
42	MP3A	Mx	.000638	7.25
43	MP3B	X	-3.086	1.25
44	MP3B	Z	5.345	1.25
45	MP3B	Mx	-.003	1.25
46	MP3B	X	-3.086	7.25
47	MP3B	Z	5.345	7.25
48	MP3B	Mx	-.003	7.25
49	MP3C	X	-3.672	1.25
50	MP3C	Z	6.359	1.25
51	MP3C	Mx	.000637	1.25
52	MP3C	X	-3.672	7.25
53	MP3C	Z	6.359	7.25
54	MP3C	Mx	.000637	7.25
55	M55	X	-3.633	2
56	M55	Z	6.292	2
57	M55	Mx	0	2
58	MP1A	X	-2.094	2.75
59	MP1A	Z	3.627	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.000364	2.75
61	MP1A	X	-2.094	5.75
62	MP1A	Z	3.627	5.75
63	MP1A	Mx	.000364	5.75
64	MP1B	X	-.835	2.75
65	MP1B	Z	1.446	2.75
66	MP1B	Mx	-.000835	2.75
67	MP1B	X	-.835	5.75
68	MP1B	Z	1.446	5.75
69	MP1B	Mx	-.000835	5.75
70	MP1C	X	-2.094	2.75
71	MP1C	Z	3.627	2.75
72	MP1C	Mx	.000364	2.75
73	MP1C	X	-2.094	5.75
74	MP1C	Z	3.627	5.75
75	MP1C	Mx	.000364	5.75
76	MP2A	X	-1.668	4.25
77	MP2A	Z	2.89	4.25
78	MP2A	Mx	-.000289	4.25
79	MP2B	X	-1.126	4.25
80	MP2B	Z	1.951	4.25
81	MP2B	Mx	.001	4.25
82	MP2C	X	-1.668	4.25
83	MP2C	Z	2.89	4.25
84	MP2C	Mx	-.00029	4.25
85	MP3A	X	-1.662	4.25
86	MP3A	Z	2.878	4.25
87	MP3A	Mx	-.000289	4.25
88	MP3B	X	-.912	4.25
89	MP3B	Z	1.58	4.25
90	MP3B	Mx	.000912	4.25
91	MP3C	X	-1.662	4.25
92	MP3C	Z	2.878	4.25
93	MP3C	Mx	-.000288	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-3.57	2.25
2	MP4A	Z	2.061	2.25
3	MP4A	Mx	.001	2.25
4	MP4A	X	-3.57	6.25
5	MP4A	Z	2.061	6.25
6	MP4A	Mx	.001	6.25
7	MP4B	X	-3.001	2.25
8	MP4B	Z	1.733	2.25
9	MP4B	Mx	-.002	2.25
10	MP4B	X	-3.001	6.25
11	MP4B	Z	1.733	6.25
12	MP4B	Mx	-.002	6.25
13	MP4C	X	-4.071	2.25
14	MP4C	Z	2.35	2.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP4C	Mx	-.000804	2.25
16	MP4C	X	-4.071	6.25
17	MP4C	Z	2.35	6.25
18	MP4C	Mx	-.000804	6.25
19	MP2A	X	-5.959	1.25
20	MP2A	Z	3.44	1.25
21	MP2A	Mx	.002	1.25
22	MP2A	X	-5.959	7.25
23	MP2A	Z	3.44	7.25
24	MP2A	Mx	.002	7.25
25	MP2B	X	-5.607	1.25
26	MP2B	Z	3.237	1.25
27	MP2B	Mx	-.003	1.25
28	MP2B	X	-5.607	7.25
29	MP2B	Z	3.237	7.25
30	MP2B	Mx	-.003	7.25
31	MP2C	X	-6.269	1.25
32	MP2C	Z	3.619	1.25
33	MP2C	Mx	-.001	1.25
34	MP2C	X	-6.269	7.25
35	MP2C	Z	3.619	7.25
36	MP2C	Mx	-.001	7.25
37	MP3A	X	-5.959	1.25
38	MP3A	Z	3.44	1.25
39	MP3A	Mx	.002	1.25
40	MP3A	X	-5.959	7.25
41	MP3A	Z	3.44	7.25
42	MP3A	Mx	.002	7.25
43	MP3B	X	-5.607	1.25
44	MP3B	Z	3.237	1.25
45	MP3B	Mx	-.003	1.25
46	MP3B	X	-5.607	7.25
47	MP3B	Z	3.237	7.25
48	MP3B	Mx	-.003	7.25
49	MP3C	X	-6.269	1.25
50	MP3C	Z	3.619	1.25
51	MP3C	Mx	-.001	1.25
52	MP3C	X	-6.269	7.25
53	MP3C	Z	3.619	7.25
54	MP3C	Mx	-.001	7.25
55	M55	X	-5.716	2
56	M55	Z	3.3	2
57	M55	Mx	0	2
58	MP1A	X	-2.766	2.75
59	MP1A	Z	1.597	2.75
60	MP1A	Mx	.001	2.75
61	MP1A	X	-2.766	5.75
62	MP1A	Z	1.597	5.75
63	MP1A	Mx	.001	5.75
64	MP1B	X	-2.009	2.75
65	MP1B	Z	1.16	2.75
66	MP1B	Mx	-.001	2.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1B	X	-2.009	5.75
68	MP1B	Z	1.16	5.75
69	MP1B	Mx	-.001	5.75
70	MP1C	X	-3.432	2.75
71	MP1C	Z	1.981	2.75
72	MP1C	Mx	-.000678	2.75
73	MP1C	X	-3.432	5.75
74	MP1C	Z	1.981	5.75
75	MP1C	Mx	-.000678	5.75
76	MP2A	X	-2.519	4.25
77	MP2A	Z	1.454	4.25
78	MP2A	Mx	-.000935	4.25
79	MP2B	X	-2.193	4.25
80	MP2B	Z	1.266	4.25
81	MP2B	Mx	.001	4.25
82	MP2C	X	-2.806	4.25
83	MP2C	Z	1.62	4.25
84	MP2C	Mx	.000554	4.25
85	MP3A	X	-2.366	4.25
86	MP3A	Z	1.366	4.25
87	MP3A	Mx	-.000878	4.25
88	MP3B	X	-1.915	4.25
89	MP3B	Z	1.106	4.25
90	MP3B	Mx	.000958	4.25
91	MP3C	X	-2.762	4.25
92	MP3C	Z	1.595	4.25
93	MP3C	Mx	.000545	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-3.206	2.25
2	MP4A	Z	0	2.25
3	MP4A	Mx	.002	2.25
4	MP4A	X	-3.206	6.25
5	MP4A	Z	0	6.25
6	MP4A	Mx	.002	6.25
7	MP4B	X	-4.441	2.25
8	MP4B	Z	0	2.25
9	MP4B	Mx	-.001	2.25
10	MP4B	X	-4.441	6.25
11	MP4B	Z	0	6.25
12	MP4B	Mx	-.001	6.25
13	MP4C	X	-3.784	2.25
14	MP4C	Z	0	2.25
15	MP4C	Mx	-.001	2.25
16	MP4C	X	-3.784	6.25
17	MP4C	Z	0	6.25
18	MP4C	Mx	-.001	6.25
19	MP2A	X	-6.314	1.25
20	MP2A	Z	0	1.25
21	MP2A	Mx	.003	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-6.314	7.25
23	MP2A	Z	0	7.25
24	MP2A	Mx	.003	7.25
25	MP2B	X	-7.078	1.25
26	MP2B	Z	0	1.25
27	MP2B	Mx	-.002	1.25
28	MP2B	X	-7.078	7.25
29	MP2B	Z	0	7.25
30	MP2B	Mx	-.002	7.25
31	MP2C	X	-6.671	1.25
32	MP2C	Z	0	1.25
33	MP2C	Mx	-.003	1.25
34	MP2C	X	-6.671	7.25
35	MP2C	Z	0	7.25
36	MP2C	Mx	-.003	7.25
37	MP3A	X	-6.314	1.25
38	MP3A	Z	0	1.25
39	MP3A	Mx	.003	1.25
40	MP3A	X	-6.314	7.25
41	MP3A	Z	0	7.25
42	MP3A	Mx	.003	7.25
43	MP3B	X	-7.078	1.25
44	MP3B	Z	0	1.25
45	MP3B	Mx	-.002	1.25
46	MP3B	X	-7.078	7.25
47	MP3B	Z	0	7.25
48	MP3B	Mx	-.002	7.25
49	MP3C	X	-6.671	1.25
50	MP3C	Z	0	1.25
51	MP3C	Mx	-.003	1.25
52	MP3C	X	-6.671	7.25
53	MP3C	Z	0	7.25
54	MP3C	Mx	-.003	7.25
55	M55	X	-5.786	2
56	M55	Z	0	2
57	M55	Mx	0	2
58	MP1A	X	-1.974	2.75
59	MP1A	Z	0	2.75
60	MP1A	Mx	.000927	2.75
61	MP1A	X	-1.974	5.75
62	MP1A	Z	0	5.75
63	MP1A	Mx	.000927	5.75
64	MP1B	X	-3.617	2.75
65	MP1B	Z	0	2.75
66	MP1B	Mx	-.000904	2.75
67	MP1B	X	-3.617	5.75
68	MP1B	Z	0	5.75
69	MP1B	Mx	-.000904	5.75
70	MP1C	X	-2.743	2.75
71	MP1C	Z	0	2.75
72	MP1C	Mx	-.001	2.75
73	MP1C	X	-2.743	5.75

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	0	5.75
75	MP1C	Mx	-.001	5.75
76	MP2A	X	-2.384	4.25
77	MP2A	Z	0	4.25
78	MP2A	Mx	-.001	4.25
79	MP2B	X	-3.091	4.25
80	MP2B	Z	0	4.25
81	MP2B	Mx	.000773	4.25
82	MP2C	X	-2.715	4.25
83	MP2C	Z	0	4.25
84	MP2C	Mx	.001	4.25
85	MP3A	X	-2.006	4.25
86	MP3A	Z	0	4.25
87	MP3A	Mx	-.000943	4.25
88	MP3B	X	-2.984	4.25
89	MP3B	Z	0	4.25
90	MP3B	Mx	.000746	4.25
91	MP3C	X	-2.463	4.25
92	MP3C	Z	0	4.25
93	MP3C	Mx	.000943	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-2.63	2.25
2	MP4A	Z	-1.518	2.25
3	MP4A	Mx	.001	2.25
4	MP4A	X	-2.63	6.25
5	MP4A	Z	-1.518	6.25
6	MP4A	Mx	.001	6.25
7	MP4B	X	-4.269	2.25
8	MP4B	Z	-2.464	2.25
9	MP4B	Mx	0	2.25
10	MP4B	X	-4.269	6.25
11	MP4B	Z	-2.464	6.25
12	MP4B	Mx	0	6.25
13	MP4C	X	-2.63	2.25
14	MP4C	Z	-1.518	2.25
15	MP4C	Mx	-.001	2.25
16	MP4C	X	-2.63	6.25
17	MP4C	Z	-1.518	6.25
18	MP4C	Mx	-.001	6.25
19	MP2A	X	-5.377	1.25
20	MP2A	Z	-3.104	1.25
21	MP2A	Mx	.003	1.25
22	MP2A	X	-5.377	7.25
23	MP2A	Z	-3.104	7.25
24	MP2A	Mx	.003	7.25
25	MP2B	X	-6.391	1.25
26	MP2B	Z	-3.69	1.25
27	MP2B	Mx	0	1.25
28	MP2B	X	-6.391	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-3.69	7.25
30	MP2B	Mx	0	7.25
31	MP2C	X	-5.377	1.25
32	MP2C	Z	-3.104	1.25
33	MP2C	Mx	-.003	1.25
34	MP2C	X	-5.377	7.25
35	MP2C	Z	-3.104	7.25
36	MP2C	Mx	-.003	7.25
37	MP3A	X	-5.377	1.25
38	MP3A	Z	-3.104	1.25
39	MP3A	Mx	.003	1.25
40	MP3A	X	-5.377	7.25
41	MP3A	Z	-3.104	7.25
42	MP3A	Mx	.003	7.25
43	MP3B	X	-6.391	1.25
44	MP3B	Z	-3.69	1.25
45	MP3B	Mx	0	1.25
46	MP3B	X	-6.391	7.25
47	MP3B	Z	-3.69	7.25
48	MP3B	Mx	0	7.25
49	MP3C	X	-5.377	1.25
50	MP3C	Z	-3.104	1.25
51	MP3C	Mx	-.003	1.25
52	MP3C	X	-5.377	7.25
53	MP3C	Z	-3.104	7.25
54	MP3C	Mx	-.003	7.25
55	M55	X	-4.88	2
56	M55	Z	-2.818	2
57	M55	Mx	0	2
58	MP1A	X	-1.514	2.75
59	MP1A	Z	-.874	2.75
60	MP1A	Mx	.000861	2.75
61	MP1A	X	-1.514	5.75
62	MP1A	Z	-.874	5.75
63	MP1A	Mx	.000861	5.75
64	MP1B	X	-3.695	2.75
65	MP1B	Z	-2.133	2.75
66	MP1B	Mx	0	2.75
67	MP1B	X	-3.695	5.75
68	MP1B	Z	-2.133	5.75
69	MP1B	Mx	0	5.75
70	MP1C	X	-1.514	2.75
71	MP1C	Z	-.874	2.75
72	MP1C	Mx	-.000861	2.75
73	MP1C	X	-1.514	5.75
74	MP1C	Z	-.874	5.75
75	MP1C	Mx	-.000861	5.75
76	MP2A	X	-1.98	4.25
77	MP2A	Z	-1.143	4.25
78	MP2A	Mx	-.001	4.25
79	MP2B	X	-2.919	4.25
80	MP2B	Z	-1.685	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	0	4.25
82	MP2C	X	-1.98	4.25
83	MP2C	Z	-1.143	4.25
84	MP2C	Mx	.001	4.25
85	MP3A	X	-1.621	4.25
86	MP3A	Z	-.936	4.25
87	MP3A	Mx	-.000922	4.25
88	MP3B	X	-2.919	4.25
89	MP3B	Z	-1.685	4.25
90	MP3B	Mx	0	4.25
91	MP3C	X	-1.621	4.25
92	MP3C	Z	-.936	4.25
93	MP3C	Mx	.000922	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP4A	X	-1.892	2.25
2	MP4A	Z	-3.277	2.25
3	MP4A	Mx	.001	2.25
4	MP4A	X	-1.892	6.25
5	MP4A	Z	-3.277	6.25
6	MP4A	Mx	.001	6.25
7	MP4B	X	-2.221	2.25
8	MP4B	Z	-3.846	2.25
9	MP4B	Mx	.001	2.25
10	MP4B	X	-2.221	6.25
11	MP4B	Z	-3.846	6.25
12	MP4B	Mx	.001	6.25
13	MP4C	X	-1.603	2.25
14	MP4C	Z	-2.776	2.25
15	MP4C	Mx	-.002	2.25
16	MP4C	X	-1.603	6.25
17	MP4C	Z	-2.776	6.25
18	MP4C	Mx	-.002	6.25
19	MP2A	X	-3.336	1.25
20	MP2A	Z	-5.777	1.25
21	MP2A	Mx	.003	1.25
22	MP2A	X	-3.336	7.25
23	MP2A	Z	-5.777	7.25
24	MP2A	Mx	.003	7.25
25	MP2B	X	-3.539	1.25
26	MP2B	Z	-6.13	1.25
27	MP2B	Mx	.002	1.25
28	MP2B	X	-3.539	7.25
29	MP2B	Z	-6.13	7.25
30	MP2B	Mx	.002	7.25
31	MP2C	X	-3.157	1.25
32	MP2C	Z	-5.468	1.25
33	MP2C	Mx	-.003	1.25
34	MP2C	X	-3.157	7.25
35	MP2C	Z	-5.468	7.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.003	7.25
37	MP3A	X	-3.336	1.25
38	MP3A	Z	-5.777	1.25
39	MP3A	Mx	.003	1.25
40	MP3A	X	-3.336	7.25
41	MP3A	Z	-5.777	7.25
42	MP3A	Mx	.003	7.25
43	MP3B	X	-3.539	1.25
44	MP3B	Z	-6.13	1.25
45	MP3B	Mx	.002	1.25
46	MP3B	X	-3.539	7.25
47	MP3B	Z	-6.13	7.25
48	MP3B	Mx	.002	7.25
49	MP3C	X	-3.157	1.25
50	MP3C	Z	-5.468	1.25
51	MP3C	Mx	-.003	1.25
52	MP3C	X	-3.157	7.25
53	MP3C	Z	-5.468	7.25
54	MP3C	Mx	-.003	7.25
55	M55	X	-3.15	2
56	M55	Z	-5.456	2
57	M55	Mx	0	2
58	MP1A	X	-1.371	2.75
59	MP1A	Z	-2.375	2.75
60	MP1A	Mx	.001	2.75
61	MP1A	X	-1.371	5.75
62	MP1A	Z	-2.375	5.75
63	MP1A	Mx	.001	5.75
64	MP1B	X	-1.809	2.75
65	MP1B	Z	-3.133	2.75
66	MP1B	Mx	.000904	2.75
67	MP1B	X	-1.809	5.75
68	MP1B	Z	-3.133	5.75
69	MP1B	Mx	.000904	5.75
70	MP1C	X	-.987	2.75
71	MP1C	Z	-1.709	2.75
72	MP1C	Mx	-.000927	2.75
73	MP1C	X	-.987	5.75
74	MP1C	Z	-1.709	5.75
75	MP1C	Mx	-.000927	5.75
76	MP2A	X	-1.357	4.25
77	MP2A	Z	-2.351	4.25
78	MP2A	Mx	-.001	4.25
79	MP2B	X	-1.546	4.25
80	MP2B	Z	-2.677	4.25
81	MP2B	Mx	-.000773	4.25
82	MP2C	X	-1.192	4.25
83	MP2C	Z	-2.064	4.25
84	MP2C	Mx	.001	4.25
85	MP3A	X	-1.232	4.25
86	MP3A	Z	-2.133	4.25
87	MP3A	Mx	-.000944	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	-1.492	4.25
89	MP3B	Z	-2.584	4.25
90	MP3B	Mx	-.000746	4.25
91	MP3C	X	-1.003	4.25
92	MP3C	Z	-1.737	4.25
93	MP3C	Mx	.000942	4.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M101A	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M100A	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M98	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M98	Y	-250	%100

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	Y	-8.983	-8.983	0	%100
2	M78	Y	-8.983	-8.983	0	%100
3	M87	Y	-8.983	-8.983	0	%100
4	M96	Y	-8.983	-8.983	0	%100
5	M97	Y	-8.983	-8.983	0	%100
6	M98	Y	-8.983	-8.983	0	%100
7	MP4A	Y	-4.613	-4.613	0	%100
8	MP3A	Y	-4.613	-4.613	0	%100
9	MP2A	Y	-4.613	-4.613	0	%100
10	MP1A	Y	-4.613	-4.613	0	%100
11	MP4C	Y	-4.613	-4.613	0	%100
12	MP3C	Y	-4.613	-4.613	0	%100
13	MP2C	Y	-4.613	-4.613	0	%100
14	MP1C	Y	-4.613	-4.613	0	%100
15	MP4B	Y	-4.613	-4.613	0	%100
16	MP3B	Y	-4.613	-4.613	0	%100
17	MP2B	Y	-4.613	-4.613	0	%100
18	MP1B	Y	-4.613	-4.613	0	%100
19	M55	Y	-4.613	-4.613	0	%100
20	M56	Y	-5.279	-5.279	0	%100
21	M57	Y	-5.279	-5.279	0	%100
22	M58	Y	-5.279	-5.279	0	%100
23	M71	Y	-7.1	-7.1	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
24	M72	Y	-7.1	-7.1	0	%100
25	M73	Y	-7.1	-7.1	0	%100
26	M74	Y	-9.939	-9.939	0	%100
27	M75	Y	-9.939	-9.939	0	%100
28	M76	Y	-9.939	-9.939	0	%100
29	M83A	Y	-4.613	-4.613	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	0	0	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	-8.862	-8.862	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	-8.862	-8.862	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	-2.954	-2.954	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	-2.954	-2.954	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	-11.816	-11.816	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-5.862	-5.862	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	-5.862	-5.862	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	-5.862	-5.862	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-5.862	-5.862	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-5.862	-5.862	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-5.862	-5.862	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-5.862	-5.862	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-5.862	-5.862	0	%100
29	MP4B	X	0	0	0	%100
30	MP4B	Z	-5.862	-5.862	0	%100
31	MP3B	X	0	0	0	%100
32	MP3B	Z	-5.862	-5.862	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	-5.862	-5.862	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-5.862	-5.862	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	-4.723	-4.723	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	-2.038	-2.038	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-2.038	-2.038	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
43	M58	X	0	0	0	%100
44	M58	Z	-8.153	-8.153	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	-2.261	-2.261	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	-9.042	-9.042	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	-2.261	-2.261	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	-11.462	-11.462	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	-13.079	-13.079	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	-13.079	-13.079	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	-4.723	-4.723	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	1.477	1.477	0	%100
2	M69	Z	-2.558	-2.558	0	%100
3	M78	X	1.477	1.477	0	%100
4	M78	Z	-2.558	-2.558	0	%100
5	M87	X	5.908	5.908	0	%100
6	M87	Z	-10.233	-10.233	0	%100
7	M96	X	4.431	4.431	0	%100
8	M96	Z	-7.675	-7.675	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	4.431	4.431	0	%100
12	M98	Z	-7.675	-7.675	0	%100
13	MP4A	X	3.04	3.04	0	%100
14	MP4A	Z	-5.266	-5.266	0	%100
15	MP3A	X	3.04	3.04	0	%100
16	MP3A	Z	-5.266	-5.266	0	%100
17	MP2A	X	3.04	3.04	0	%100
18	MP2A	Z	-5.266	-5.266	0	%100
19	MP1A	X	3.04	3.04	0	%100
20	MP1A	Z	-5.266	-5.266	0	%100
21	MP4C	X	3.04	3.04	0	%100
22	MP4C	Z	-5.266	-5.266	0	%100
23	MP3C	X	3.04	3.04	0	%100
24	MP3C	Z	-5.266	-5.266	0	%100
25	MP2C	X	3.04	3.04	0	%100
26	MP2C	Z	-5.266	-5.266	0	%100
27	MP1C	X	3.04	3.04	0	%100
28	MP1C	Z	-5.266	-5.266	0	%100
29	MP4B	X	3.04	3.04	0	%100
30	MP4B	Z	-5.266	-5.266	0	%100
31	MP3B	X	3.04	3.04	0	%100
32	MP3B	Z	-5.266	-5.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	MP2B	X	3.04	3.04	0	%100
34	MP2B	Z	-5.266	-5.266	0	%100
35	MP1B	X	3.04	3.04	0	%100
36	MP1B	Z	-5.266	-5.266	0	%100
37	M55	X	2.42	2.42	0	%100
38	M55	Z	-4.192	-4.192	0	%100
39	M56	X	3.057	3.057	0	%100
40	M56	Z	-5.296	-5.296	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	3.057	3.057	0	%100
44	M58	Z	-5.296	-5.296	0	%100
45	M71	X	3.391	3.391	0	%100
46	M71	Z	-5.873	-5.873	0	%100
47	M72	X	3.391	3.391	0	%100
48	M72	Z	-5.873	-5.873	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	6.001	6.001	0	%100
52	M74	Z	-10.393	-10.393	0	%100
53	M75	X	6.001	6.001	0	%100
54	M75	Z	-10.393	-10.393	0	%100
55	M76	X	6.809	6.809	0	%100
56	M76	Z	-11.794	-11.794	0	%100
57	M83A	X	2.42	2.42	0	%100
58	M83A	Z	-4.192	-4.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	7.675	7.675	0	%100
2	M69	Z	-4.431	-4.431	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	7.675	7.675	0	%100
6	M87	Z	-4.431	-4.431	0	%100
7	M96	X	10.233	10.233	0	%100
8	M96	Z	-5.908	-5.908	0	%100
9	M97	X	2.558	2.558	0	%100
10	M97	Z	-1.477	-1.477	0	%100
11	M98	X	2.558	2.558	0	%100
12	M98	Z	-1.477	-1.477	0	%100
13	MP4A	X	5.644	5.644	0	%100
14	MP4A	Z	-3.258	-3.258	0	%100
15	MP3A	X	5.644	5.644	0	%100
16	MP3A	Z	-3.258	-3.258	0	%100
17	MP2A	X	5.644	5.644	0	%100
18	MP2A	Z	-3.258	-3.258	0	%100
19	MP1A	X	5.644	5.644	0	%100
20	MP1A	Z	-3.258	-3.258	0	%100
21	MP4C	X	5.644	5.644	0	%100
22	MP4C	Z	-3.258	-3.258	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	MP3C	X	5.644	5.644	0	%100
24	MP3C	Z	-3.258	-3.258	0	%100
25	MP2C	X	5.644	5.644	0	%100
26	MP2C	Z	-3.258	-3.258	0	%100
27	MP1C	X	5.644	5.644	0	%100
28	MP1C	Z	-3.258	-3.258	0	%100
29	MP4B	X	5.644	5.644	0	%100
30	MP4B	Z	-3.258	-3.258	0	%100
31	MP3B	X	5.644	5.644	0	%100
32	MP3B	Z	-3.258	-3.258	0	%100
33	MP2B	X	5.644	5.644	0	%100
34	MP2B	Z	-3.258	-3.258	0	%100
35	MP1B	X	5.644	5.644	0	%100
36	MP1B	Z	-3.258	-3.258	0	%100
37	M55	X	4.395	4.395	0	%100
38	M55	Z	-2.538	-2.538	0	%100
39	M56	X	7.061	7.061	0	%100
40	M56	Z	-4.077	-4.077	0	%100
41	M57	X	1.765	1.765	0	%100
42	M57	Z	-1.019	-1.019	0	%100
43	M58	X	1.765	1.765	0	%100
44	M58	Z	-1.019	-1.019	0	%100
45	M71	X	7.831	7.831	0	%100
46	M71	Z	-4.521	-4.521	0	%100
47	M72	X	1.958	1.958	0	%100
48	M72	Z	-1.13	-1.13	0	%100
49	M73	X	1.958	1.958	0	%100
50	M73	Z	-1.13	-1.13	0	%100
51	M74	X	11.327	11.327	0	%100
52	M74	Z	-6.54	-6.54	0	%100
53	M75	X	9.926	9.926	0	%100
54	M75	Z	-5.731	-5.731	0	%100
55	M76	X	11.327	11.327	0	%100
56	M76	Z	-6.54	-6.54	0	%100
57	M83A	X	4.395	4.395	0	%100
58	M83A	Z	-2.538	-2.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	11.816	11.816	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	2.954	2.954	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	2.954	2.954	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	8.862	8.862	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	8.862	8.862	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
13	MP4A	X	6.735	6.735	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	6.735	6.735	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	6.735	6.735	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	6.735	6.735	0	%100
20	MP1A	Z	0	0	0	%100
21	MP4C	X	6.735	6.735	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	6.735	6.735	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	6.735	6.735	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	6.735	6.735	0	%100
28	MP1C	Z	0	0	0	%100
29	MP4B	X	6.735	6.735	0	%100
30	MP4B	Z	0	0	0	%100
31	MP3B	X	6.735	6.735	0	%100
32	MP3B	Z	0	0	0	%100
33	MP2B	X	6.735	6.735	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	6.735	6.735	0	%100
36	MP1B	Z	0	0	0	%100
37	M55	X	5.193	5.193	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	6.115	6.115	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	6.115	6.115	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	0	0	0	%100
45	M71	X	6.782	6.782	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	6.782	6.782	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	13.619	13.619	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	12.001	12.001	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	12.001	12.001	0	%100
56	M76	Z	0	0	0	%100
57	M83A	X	5.193	5.193	0	%100
58	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	7.675	7.675	0	%100
2	M69	Z	4.431	4.431	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
3	M78	X	7.675	7.675	0	%100
4	M78	Z	4.431	4.431	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	2.558	2.558	0	%100
8	M96	Z	1.477	1.477	0	%100
9	M97	X	10.233	10.233	0	%100
10	M97	Z	5.908	5.908	0	%100
11	M98	X	2.558	2.558	0	%100
12	M98	Z	1.477	1.477	0	%100
13	MP4A	X	5.644	5.644	0	%100
14	MP4A	Z	3.258	3.258	0	%100
15	MP3A	X	5.644	5.644	0	%100
16	MP3A	Z	3.258	3.258	0	%100
17	MP2A	X	5.644	5.644	0	%100
18	MP2A	Z	3.258	3.258	0	%100
19	MP1A	X	5.644	5.644	0	%100
20	MP1A	Z	3.258	3.258	0	%100
21	MP4C	X	5.644	5.644	0	%100
22	MP4C	Z	3.258	3.258	0	%100
23	MP3C	X	5.644	5.644	0	%100
24	MP3C	Z	3.258	3.258	0	%100
25	MP2C	X	5.644	5.644	0	%100
26	MP2C	Z	3.258	3.258	0	%100
27	MP1C	X	5.644	5.644	0	%100
28	MP1C	Z	3.258	3.258	0	%100
29	MP4B	X	5.644	5.644	0	%100
30	MP4B	Z	3.258	3.258	0	%100
31	MP3B	X	5.644	5.644	0	%100
32	MP3B	Z	3.258	3.258	0	%100
33	MP2B	X	5.644	5.644	0	%100
34	MP2B	Z	3.258	3.258	0	%100
35	MP1B	X	5.644	5.644	0	%100
36	MP1B	Z	3.258	3.258	0	%100
37	M55	X	4.395	4.395	0	%100
38	M55	Z	2.538	2.538	0	%100
39	M56	X	1.765	1.765	0	%100
40	M56	Z	1.019	1.019	0	%100
41	M57	X	7.061	7.061	0	%100
42	M57	Z	4.077	4.077	0	%100
43	M58	X	1.765	1.765	0	%100
44	M58	Z	1.019	1.019	0	%100
45	M71	X	1.958	1.958	0	%100
46	M71	Z	1.13	1.13	0	%100
47	M72	X	1.958	1.958	0	%100
48	M72	Z	1.13	1.13	0	%100
49	M73	X	7.831	7.831	0	%100
50	M73	Z	4.521	4.521	0	%100
51	M74	X	11.327	11.327	0	%100
52	M74	Z	6.54	6.54	0	%100
53	M75	X	11.327	11.327	0	%100
54	M75	Z	6.54	6.54	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
55	M76	X	9.926	9.926	0	%100
56	M76	Z	5.731	5.731	0	%100
57	M83A	X	4.395	4.395	0	%100
58	M83A	Z	2.538	2.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	1.477	1.477	0	%100
2	M69	Z	2.558	2.558	0	%100
3	M78	X	5.908	5.908	0	%100
4	M78	Z	10.233	10.233	0	%100
5	M87	X	1.477	1.477	0	%100
6	M87	Z	2.558	2.558	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	4.431	4.431	0	%100
10	M97	Z	7.675	7.675	0	%100
11	M98	X	4.431	4.431	0	%100
12	M98	Z	7.675	7.675	0	%100
13	MP4A	X	3.04	3.04	0	%100
14	MP4A	Z	5.266	5.266	0	%100
15	MP3A	X	3.04	3.04	0	%100
16	MP3A	Z	5.266	5.266	0	%100
17	MP2A	X	3.04	3.04	0	%100
18	MP2A	Z	5.266	5.266	0	%100
19	MP1A	X	3.04	3.04	0	%100
20	MP1A	Z	5.266	5.266	0	%100
21	MP4C	X	3.04	3.04	0	%100
22	MP4C	Z	5.266	5.266	0	%100
23	MP3C	X	3.04	3.04	0	%100
24	MP3C	Z	5.266	5.266	0	%100
25	MP2C	X	3.04	3.04	0	%100
26	MP2C	Z	5.266	5.266	0	%100
27	MP1C	X	3.04	3.04	0	%100
28	MP1C	Z	5.266	5.266	0	%100
29	MP4B	X	3.04	3.04	0	%100
30	MP4B	Z	5.266	5.266	0	%100
31	MP3B	X	3.04	3.04	0	%100
32	MP3B	Z	5.266	5.266	0	%100
33	MP2B	X	3.04	3.04	0	%100
34	MP2B	Z	5.266	5.266	0	%100
35	MP1B	X	3.04	3.04	0	%100
36	MP1B	Z	5.266	5.266	0	%100
37	M55	X	2.42	2.42	0	%100
38	M55	Z	4.192	4.192	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	3.057	3.057	0	%100
42	M57	Z	5.296	5.296	0	%100
43	M58	X	3.057	3.057	0	%100
44	M58	Z	5.296	5.296	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
45	M71	X	0	0	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	3.391	3.391	0	%100
48	M72	Z	5.873	5.873	0	%100
49	M73	X	3.391	3.391	0	%100
50	M73	Z	5.873	5.873	0	%100
51	M74	X	6.001	6.001	0	%100
52	M74	Z	10.393	10.393	0	%100
53	M75	X	6.809	6.809	0	%100
54	M75	Z	11.794	11.794	0	%100
55	M76	X	6.001	6.001	0	%100
56	M76	Z	10.393	10.393	0	%100
57	M83A	X	2.42	2.42	0	%100
58	M83A	Z	4.192	4.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	0	0	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	8.862	8.862	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	8.862	8.862	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	2.954	2.954	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	2.954	2.954	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	11.816	11.816	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	5.862	5.862	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	5.862	5.862	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	5.862	5.862	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	5.862	5.862	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	5.862	5.862	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	5.862	5.862	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	5.862	5.862	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	5.862	5.862	0	%100
29	MP4B	X	0	0	0	%100
30	MP4B	Z	5.862	5.862	0	%100
31	MP3B	X	0	0	0	%100
32	MP3B	Z	5.862	5.862	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	5.862	5.862	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
35	MP1B	X	0	0	0	%100
36	MP1B	Z	5.862	5.862	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	4.723	4.723	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	2.038	2.038	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	2.038	2.038	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	8.153	8.153	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	2.261	2.261	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	9.042	9.042	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	2.261	2.261	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	11.462	11.462	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	13.079	13.079	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	13.079	13.079	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	4.723	4.723	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-1.477	-1.477	0	%100
2	M69	Z	2.558	2.558	0	%100
3	M78	X	-1.477	-1.477	0	%100
4	M78	Z	2.558	2.558	0	%100
5	M87	X	-5.908	-5.908	0	%100
6	M87	Z	10.233	10.233	0	%100
7	M96	X	-4.431	-4.431	0	%100
8	M96	Z	7.675	7.675	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	-4.431	-4.431	0	%100
12	M98	Z	7.675	7.675	0	%100
13	MP4A	X	-3.04	-3.04	0	%100
14	MP4A	Z	5.266	5.266	0	%100
15	MP3A	X	-3.04	-3.04	0	%100
16	MP3A	Z	5.266	5.266	0	%100
17	MP2A	X	-3.04	-3.04	0	%100
18	MP2A	Z	5.266	5.266	0	%100
19	MP1A	X	-3.04	-3.04	0	%100
20	MP1A	Z	5.266	5.266	0	%100
21	MP4C	X	-3.04	-3.04	0	%100
22	MP4C	Z	5.266	5.266	0	%100
23	MP3C	X	-3.04	-3.04	0	%100
24	MP3C	Z	5.266	5.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	MP2C	X	-3.04	-3.04	0	%100
26	MP2C	Z	5.266	5.266	0	%100
27	MP1C	X	-3.04	-3.04	0	%100
28	MP1C	Z	5.266	5.266	0	%100
29	MP4B	X	-3.04	-3.04	0	%100
30	MP4B	Z	5.266	5.266	0	%100
31	MP3B	X	-3.04	-3.04	0	%100
32	MP3B	Z	5.266	5.266	0	%100
33	MP2B	X	-3.04	-3.04	0	%100
34	MP2B	Z	5.266	5.266	0	%100
35	MP1B	X	-3.04	-3.04	0	%100
36	MP1B	Z	5.266	5.266	0	%100
37	M55	X	-2.42	-2.42	0	%100
38	M55	Z	4.192	4.192	0	%100
39	M56	X	-3.057	-3.057	0	%100
40	M56	Z	5.296	5.296	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	-3.057	-3.057	0	%100
44	M58	Z	5.296	5.296	0	%100
45	M71	X	-3.391	-3.391	0	%100
46	M71	Z	5.873	5.873	0	%100
47	M72	X	-3.391	-3.391	0	%100
48	M72	Z	5.873	5.873	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	-6.001	-6.001	0	%100
52	M74	Z	10.393	10.393	0	%100
53	M75	X	-6.001	-6.001	0	%100
54	M75	Z	10.393	10.393	0	%100
55	M76	X	-6.809	-6.809	0	%100
56	M76	Z	11.794	11.794	0	%100
57	M83A	X	-2.42	-2.42	0	%100
58	M83A	Z	4.192	4.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-7.675	-7.675	0	%100
2	M69	Z	4.431	4.431	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	-7.675	-7.675	0	%100
6	M87	Z	4.431	4.431	0	%100
7	M96	X	-10.233	-10.233	0	%100
8	M96	Z	5.908	5.908	0	%100
9	M97	X	-2.558	-2.558	0	%100
10	M97	Z	1.477	1.477	0	%100
11	M98	X	-2.558	-2.558	0	%100
12	M98	Z	1.477	1.477	0	%100
13	MP4A	X	-5.644	-5.644	0	%100
14	MP4A	Z	3.258	3.258	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
15	MP3A	X	-5.644	-5.644	0	%100
16	MP3A	Z	3.258	3.258	0	%100
17	MP2A	X	-5.644	-5.644	0	%100
18	MP2A	Z	3.258	3.258	0	%100
19	MP1A	X	-5.644	-5.644	0	%100
20	MP1A	Z	3.258	3.258	0	%100
21	MP4C	X	-5.644	-5.644	0	%100
22	MP4C	Z	3.258	3.258	0	%100
23	MP3C	X	-5.644	-5.644	0	%100
24	MP3C	Z	3.258	3.258	0	%100
25	MP2C	X	-5.644	-5.644	0	%100
26	MP2C	Z	3.258	3.258	0	%100
27	MP1C	X	-5.644	-5.644	0	%100
28	MP1C	Z	3.258	3.258	0	%100
29	MP4B	X	-5.644	-5.644	0	%100
30	MP4B	Z	3.258	3.258	0	%100
31	MP3B	X	-5.644	-5.644	0	%100
32	MP3B	Z	3.258	3.258	0	%100
33	MP2B	X	-5.644	-5.644	0	%100
34	MP2B	Z	3.258	3.258	0	%100
35	MP1B	X	-5.644	-5.644	0	%100
36	MP1B	Z	3.258	3.258	0	%100
37	M55	X	-4.395	-4.395	0	%100
38	M55	Z	2.538	2.538	0	%100
39	M56	X	-7.061	-7.061	0	%100
40	M56	Z	4.077	4.077	0	%100
41	M57	X	-1.765	-1.765	0	%100
42	M57	Z	1.019	1.019	0	%100
43	M58	X	-1.765	-1.765	0	%100
44	M58	Z	1.019	1.019	0	%100
45	M71	X	-7.831	-7.831	0	%100
46	M71	Z	4.521	4.521	0	%100
47	M72	X	-1.958	-1.958	0	%100
48	M72	Z	1.13	1.13	0	%100
49	M73	X	-1.958	-1.958	0	%100
50	M73	Z	1.13	1.13	0	%100
51	M74	X	-11.327	-11.327	0	%100
52	M74	Z	6.54	6.54	0	%100
53	M75	X	-9.926	-9.926	0	%100
54	M75	Z	5.731	5.731	0	%100
55	M76	X	-11.327	-11.327	0	%100
56	M76	Z	6.54	6.54	0	%100
57	M83A	X	-4.395	-4.395	0	%100
58	M83A	Z	2.538	2.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-11.816	-11.816	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	-2.954	-2.954	0	%100
4	M78	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M87	X	-2.954	-2.954	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	-8.862	-8.862	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	-8.862	-8.862	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	0	0	0	%100
13	MP4A	X	-6.735	-6.735	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	-6.735	-6.735	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	-6.735	-6.735	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	-6.735	-6.735	0	%100
20	MP1A	Z	0	0	0	%100
21	MP4C	X	-6.735	-6.735	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-6.735	-6.735	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-6.735	-6.735	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-6.735	-6.735	0	%100
28	MP1C	Z	0	0	0	%100
29	MP4B	X	-6.735	-6.735	0	%100
30	MP4B	Z	0	0	0	%100
31	MP3B	X	-6.735	-6.735	0	%100
32	MP3B	Z	0	0	0	%100
33	MP2B	X	-6.735	-6.735	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	-6.735	-6.735	0	%100
36	MP1B	Z	0	0	0	%100
37	M55	X	-5.193	-5.193	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	-6.115	-6.115	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-6.115	-6.115	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	0	0	0	%100
45	M71	X	-6.782	-6.782	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	-6.782	-6.782	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	-13.619	-13.619	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	-12.001	-12.001	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	-12.001	-12.001	0	%100
56	M76	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
57	M83A	X	-5.193	-5.193	0	%100
58	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-7.675	-7.675	0	%100
2	M69	Z	-4.431	-4.431	0	%100
3	M78	X	-7.675	-7.675	0	%100
4	M78	Z	-4.431	-4.431	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	-2.558	-2.558	0	%100
8	M96	Z	-1.477	-1.477	0	%100
9	M97	X	-10.233	-10.233	0	%100
10	M97	Z	-5.908	-5.908	0	%100
11	M98	X	-2.558	-2.558	0	%100
12	M98	Z	-1.477	-1.477	0	%100
13	MP4A	X	-5.644	-5.644	0	%100
14	MP4A	Z	-3.258	-3.258	0	%100
15	MP3A	X	-5.644	-5.644	0	%100
16	MP3A	Z	-3.258	-3.258	0	%100
17	MP2A	X	-5.644	-5.644	0	%100
18	MP2A	Z	-3.258	-3.258	0	%100
19	MP1A	X	-5.644	-5.644	0	%100
20	MP1A	Z	-3.258	-3.258	0	%100
21	MP4C	X	-5.644	-5.644	0	%100
22	MP4C	Z	-3.258	-3.258	0	%100
23	MP3C	X	-5.644	-5.644	0	%100
24	MP3C	Z	-3.258	-3.258	0	%100
25	MP2C	X	-5.644	-5.644	0	%100
26	MP2C	Z	-3.258	-3.258	0	%100
27	MP1C	X	-5.644	-5.644	0	%100
28	MP1C	Z	-3.258	-3.258	0	%100
29	MP4B	X	-5.644	-5.644	0	%100
30	MP4B	Z	-3.258	-3.258	0	%100
31	MP3B	X	-5.644	-5.644	0	%100
32	MP3B	Z	-3.258	-3.258	0	%100
33	MP2B	X	-5.644	-5.644	0	%100
34	MP2B	Z	-3.258	-3.258	0	%100
35	MP1B	X	-5.644	-5.644	0	%100
36	MP1B	Z	-3.258	-3.258	0	%100
37	M55	X	-4.395	-4.395	0	%100
38	M55	Z	-2.538	-2.538	0	%100
39	M56	X	-1.765	-1.765	0	%100
40	M56	Z	-1.019	-1.019	0	%100
41	M57	X	-7.061	-7.061	0	%100
42	M57	Z	-4.077	-4.077	0	%100
43	M58	X	-1.765	-1.765	0	%100
44	M58	Z	-1.019	-1.019	0	%100
45	M71	X	-1.958	-1.958	0	%100
46	M71	Z	-1.13	-1.13	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
47	M72	X	-1.958	-1.958	0	%100
48	M72	Z	-1.13	-1.13	0	%100
49	M73	X	-7.831	-7.831	0	%100
50	M73	Z	-4.521	-4.521	0	%100
51	M74	X	-11.327	-11.327	0	%100
52	M74	Z	-6.54	-6.54	0	%100
53	M75	X	-11.327	-11.327	0	%100
54	M75	Z	-6.54	-6.54	0	%100
55	M76	X	-9.926	-9.926	0	%100
56	M76	Z	-5.731	-5.731	0	%100
57	M83A	X	-4.395	-4.395	0	%100
58	M83A	Z	-2.538	-2.538	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-1.477	-1.477	0	%100
2	M69	Z	-2.558	-2.558	0	%100
3	M78	X	-5.908	-5.908	0	%100
4	M78	Z	-10.233	-10.233	0	%100
5	M87	X	-1.477	-1.477	0	%100
6	M87	Z	-2.558	-2.558	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	-4.431	-4.431	0	%100
10	M97	Z	-7.675	-7.675	0	%100
11	M98	X	-4.431	-4.431	0	%100
12	M98	Z	-7.675	-7.675	0	%100
13	MP4A	X	-3.04	-3.04	0	%100
14	MP4A	Z	-5.266	-5.266	0	%100
15	MP3A	X	-3.04	-3.04	0	%100
16	MP3A	Z	-5.266	-5.266	0	%100
17	MP2A	X	-3.04	-3.04	0	%100
18	MP2A	Z	-5.266	-5.266	0	%100
19	MP1A	X	-3.04	-3.04	0	%100
20	MP1A	Z	-5.266	-5.266	0	%100
21	MP4C	X	-3.04	-3.04	0	%100
22	MP4C	Z	-5.266	-5.266	0	%100
23	MP3C	X	-3.04	-3.04	0	%100
24	MP3C	Z	-5.266	-5.266	0	%100
25	MP2C	X	-3.04	-3.04	0	%100
26	MP2C	Z	-5.266	-5.266	0	%100
27	MP1C	X	-3.04	-3.04	0	%100
28	MP1C	Z	-5.266	-5.266	0	%100
29	MP4B	X	-3.04	-3.04	0	%100
30	MP4B	Z	-5.266	-5.266	0	%100
31	MP3B	X	-3.04	-3.04	0	%100
32	MP3B	Z	-5.266	-5.266	0	%100
33	MP2B	X	-3.04	-3.04	0	%100
34	MP2B	Z	-5.266	-5.266	0	%100
35	MP1B	X	-3.04	-3.04	0	%100
36	MP1B	Z	-5.266	-5.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
37	M55	X	-2.42	-2.42	0	%100
38	M55	Z	-4.192	-4.192	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-3.057	-3.057	0	%100
42	M57	Z	-5.296	-5.296	0	%100
43	M58	X	-3.057	-3.057	0	%100
44	M58	Z	-5.296	-5.296	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	-3.391	-3.391	0	%100
48	M72	Z	-5.873	-5.873	0	%100
49	M73	X	-3.391	-3.391	0	%100
50	M73	Z	-5.873	-5.873	0	%100
51	M74	X	-6.001	-6.001	0	%100
52	M74	Z	-10.393	-10.393	0	%100
53	M75	X	-6.809	-6.809	0	%100
54	M75	Z	-11.794	-11.794	0	%100
55	M76	X	-6.001	-6.001	0	%100
56	M76	Z	-10.393	-10.393	0	%100
57	M83A	X	-2.42	-2.42	0	%100
58	M83A	Z	-4.192	-4.192	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	0	0	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	-2.383	-2.383	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	-2.383	-2.383	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	-.794	-.794	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	-.794	-.794	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	-3.177	-3.177	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-2.126	-2.126	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	-2.126	-2.126	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	-2.126	-2.126	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-2.126	-2.126	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-2.126	-2.126	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-2.126	-2.126	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-2.126	-2.126	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-2.126	-2.126	0	%100
29	MP4B	X	0	0	0	%100
30	MP4B	Z	-2.126	-2.126	0	%100
31	MP3B	X	0	0	0	%100
32	MP3B	Z	-2.126	-2.126	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	-2.126	-2.126	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-2.126	-2.126	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	-1.698	-1.698	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	-.633	-.633	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-.633	-.633	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	-2.531	-2.531	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	-.575	-.575	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	-2.299	-2.299	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	-.575	-.575	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	-2.569	-2.569	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	-3.264	-3.264	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	-3.264	-3.264	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	-1.698	-1.698	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	.397	.397	0	%100
2	M69	Z	-.688	-.688	0	%100
3	M78	X	.397	.397	0	%100
4	M78	Z	-.688	-.688	0	%100
5	M87	X	1.589	1.589	0	%100
6	M87	Z	-2.752	-2.752	0	%100
7	M96	X	1.191	1.191	0	%100
8	M96	Z	-2.064	-2.064	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	1.191	1.191	0	%100
12	M98	Z	-2.064	-2.064	0	%100
13	MP4A	X	1.082	1.082	0	%100
14	MP4A	Z	-1.875	-1.875	0	%100
15	MP3A	X	1.082	1.082	0	%100
16	MP3A	Z	-1.875	-1.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
17	MP2A	X	1.082	1.082	0	%100
18	MP2A	Z	-1.875	-1.875	0	%100
19	MP1A	X	1.082	1.082	0	%100
20	MP1A	Z	-1.875	-1.875	0	%100
21	MP4C	X	1.082	1.082	0	%100
22	MP4C	Z	-1.875	-1.875	0	%100
23	MP3C	X	1.082	1.082	0	%100
24	MP3C	Z	-1.875	-1.875	0	%100
25	MP2C	X	1.082	1.082	0	%100
26	MP2C	Z	-1.875	-1.875	0	%100
27	MP1C	X	1.082	1.082	0	%100
28	MP1C	Z	-1.875	-1.875	0	%100
29	MP4B	X	1.082	1.082	0	%100
30	MP4B	Z	-1.875	-1.875	0	%100
31	MP3B	X	1.082	1.082	0	%100
32	MP3B	Z	-1.875	-1.875	0	%100
33	MP2B	X	1.082	1.082	0	%100
34	MP2B	Z	-1.875	-1.875	0	%100
35	MP1B	X	1.082	1.082	0	%100
36	MP1B	Z	-1.875	-1.875	0	%100
37	M55	X	.859	.859	0	%100
38	M55	Z	-1.488	-1.488	0	%100
39	M56	X	.949	.949	0	%100
40	M56	Z	-1.644	-1.644	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	.949	.949	0	%100
44	M58	Z	-1.644	-1.644	0	%100
45	M71	X	.862	.862	0	%100
46	M71	Z	-1.493	-1.493	0	%100
47	M72	X	.862	.862	0	%100
48	M72	Z	-1.493	-1.493	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	1.4	1.4	0	%100
52	M74	Z	-2.425	-2.425	0	%100
53	M75	X	1.4	1.4	0	%100
54	M75	Z	-2.425	-2.425	0	%100
55	M76	X	1.748	1.748	0	%100
56	M76	Z	-3.027	-3.027	0	%100
57	M83A	X	.859	.859	0	%100
58	M83A	Z	-1.488	-1.488	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	2.064	2.064	0	%100
2	M69	Z	-1.191	-1.191	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	2.064	2.064	0	%100
6	M87	Z	-1.191	-1.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
7	M96	X	2.752	2.752	0	%100
8	M96	Z	-1.589	-1.589	0	%100
9	M97	X	.688	.688	0	%100
10	M97	Z	-.397	-.397	0	%100
11	M98	X	.688	.688	0	%100
12	M98	Z	-.397	-.397	0	%100
13	MP4A	X	1.941	1.941	0	%100
14	MP4A	Z	-1.121	-1.121	0	%100
15	MP3A	X	1.941	1.941	0	%100
16	MP3A	Z	-1.121	-1.121	0	%100
17	MP2A	X	1.941	1.941	0	%100
18	MP2A	Z	-1.121	-1.121	0	%100
19	MP1A	X	1.941	1.941	0	%100
20	MP1A	Z	-1.121	-1.121	0	%100
21	MP4C	X	1.941	1.941	0	%100
22	MP4C	Z	-1.121	-1.121	0	%100
23	MP3C	X	1.941	1.941	0	%100
24	MP3C	Z	-1.121	-1.121	0	%100
25	MP2C	X	1.941	1.941	0	%100
26	MP2C	Z	-1.121	-1.121	0	%100
27	MP1C	X	1.941	1.941	0	%100
28	MP1C	Z	-1.121	-1.121	0	%100
29	MP4B	X	1.941	1.941	0	%100
30	MP4B	Z	-1.121	-1.121	0	%100
31	MP3B	X	1.941	1.941	0	%100
32	MP3B	Z	-1.121	-1.121	0	%100
33	MP2B	X	1.941	1.941	0	%100
34	MP2B	Z	-1.121	-1.121	0	%100
35	MP1B	X	1.941	1.941	0	%100
36	MP1B	Z	-1.121	-1.121	0	%100
37	M55	X	1.524	1.524	0	%100
38	M55	Z	-.88	-.88	0	%100
39	M56	X	2.192	2.192	0	%100
40	M56	Z	-1.265	-1.265	0	%100
41	M57	X	.548	.548	0	%100
42	M57	Z	-.316	-.316	0	%100
43	M58	X	.548	.548	0	%100
44	M58	Z	-.316	-.316	0	%100
45	M71	X	1.991	1.991	0	%100
46	M71	Z	-1.15	-1.15	0	%100
47	M72	X	.498	.498	0	%100
48	M72	Z	-.287	-.287	0	%100
49	M73	X	.498	.498	0	%100
50	M73	Z	-.287	-.287	0	%100
51	M74	X	2.827	2.827	0	%100
52	M74	Z	-1.632	-1.632	0	%100
53	M75	X	2.225	2.225	0	%100
54	M75	Z	-1.285	-1.285	0	%100
55	M76	X	2.827	2.827	0	%100
56	M76	Z	-1.632	-1.632	0	%100
57	M83A	X	1.524	1.524	0	%100
58	M83A	Z	-.88	-.88	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	3.177	3.177	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	.794	.794	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	.794	.794	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	2.383	2.383	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	2.383	2.383	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	0	0	0	%100
13	MP4A	X	2.28	2.28	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	2.28	2.28	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	2.28	2.28	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	2.28	2.28	0	%100
20	MP1A	Z	0	0	0	%100
21	MP4C	X	2.28	2.28	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	2.28	2.28	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	2.28	2.28	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	2.28	2.28	0	%100
28	MP1C	Z	0	0	0	%100
29	MP4B	X	2.28	2.28	0	%100
30	MP4B	Z	0	0	0	%100
31	MP3B	X	2.28	2.28	0	%100
32	MP3B	Z	0	0	0	%100
33	MP2B	X	2.28	2.28	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	2.28	2.28	0	%100
36	MP1B	Z	0	0	0	%100
37	M55	X	1.781	1.781	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	1.898	1.898	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	1.898	1.898	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	0	0	0	%100
45	M71	X	1.724	1.724	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	1.724	1.724	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	3.495	3.495	0	%100
52	M74	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M75	X	2.801	2.801	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	2.801	2.801	0	%100
56	M76	Z	0	0	0	%100
57	M83A	X	1.781	1.781	0	%100
58	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	2.064	2.064	0	%100
2	M69	Z	1.191	1.191	0	%100
3	M78	X	2.064	2.064	0	%100
4	M78	Z	1.191	1.191	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	.688	.688	0	%100
8	M96	Z	.397	.397	0	%100
9	M97	X	2.752	2.752	0	%100
10	M97	Z	1.589	1.589	0	%100
11	M98	X	.688	.688	0	%100
12	M98	Z	.397	.397	0	%100
13	MP4A	X	1.941	1.941	0	%100
14	MP4A	Z	1.121	1.121	0	%100
15	MP3A	X	1.941	1.941	0	%100
16	MP3A	Z	1.121	1.121	0	%100
17	MP2A	X	1.941	1.941	0	%100
18	MP2A	Z	1.121	1.121	0	%100
19	MP1A	X	1.941	1.941	0	%100
20	MP1A	Z	1.121	1.121	0	%100
21	MP4C	X	1.941	1.941	0	%100
22	MP4C	Z	1.121	1.121	0	%100
23	MP3C	X	1.941	1.941	0	%100
24	MP3C	Z	1.121	1.121	0	%100
25	MP2C	X	1.941	1.941	0	%100
26	MP2C	Z	1.121	1.121	0	%100
27	MP1C	X	1.941	1.941	0	%100
28	MP1C	Z	1.121	1.121	0	%100
29	MP4B	X	1.941	1.941	0	%100
30	MP4B	Z	1.121	1.121	0	%100
31	MP3B	X	1.941	1.941	0	%100
32	MP3B	Z	1.121	1.121	0	%100
33	MP2B	X	1.941	1.941	0	%100
34	MP2B	Z	1.121	1.121	0	%100
35	MP1B	X	1.941	1.941	0	%100
36	MP1B	Z	1.121	1.121	0	%100
37	M55	X	1.524	1.524	0	%100
38	M55	Z	.88	.88	0	%100
39	M56	X	.548	.548	0	%100
40	M56	Z	.316	.316	0	%100
41	M57	X	2.192	2.192	0	%100
42	M57	Z	1.265	1.265	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
43	M58	X	.548	.548	0	%100
44	M58	Z	.316	.316	0	%100
45	M71	X	.498	.498	0	%100
46	M71	Z	.287	.287	0	%100
47	M72	X	.498	.498	0	%100
48	M72	Z	.287	.287	0	%100
49	M73	X	1.991	1.991	0	%100
50	M73	Z	1.15	1.15	0	%100
51	M74	X	2.827	2.827	0	%100
52	M74	Z	1.632	1.632	0	%100
53	M75	X	2.827	2.827	0	%100
54	M75	Z	1.632	1.632	0	%100
55	M76	X	2.225	2.225	0	%100
56	M76	Z	1.285	1.285	0	%100
57	M83A	X	1.524	1.524	0	%100
58	M83A	Z	.88	.88	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	.397	.397	0	%100
2	M69	Z	.688	.688	0	%100
3	M78	X	1.589	1.589	0	%100
4	M78	Z	2.752	2.752	0	%100
5	M87	X	.397	.397	0	%100
6	M87	Z	.688	.688	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	1.191	1.191	0	%100
10	M97	Z	2.064	2.064	0	%100
11	M98	X	1.191	1.191	0	%100
12	M98	Z	2.064	2.064	0	%100
13	MP4A	X	1.082	1.082	0	%100
14	MP4A	Z	1.875	1.875	0	%100
15	MP3A	X	1.082	1.082	0	%100
16	MP3A	Z	1.875	1.875	0	%100
17	MP2A	X	1.082	1.082	0	%100
18	MP2A	Z	1.875	1.875	0	%100
19	MP1A	X	1.082	1.082	0	%100
20	MP1A	Z	1.875	1.875	0	%100
21	MP4C	X	1.082	1.082	0	%100
22	MP4C	Z	1.875	1.875	0	%100
23	MP3C	X	1.082	1.082	0	%100
24	MP3C	Z	1.875	1.875	0	%100
25	MP2C	X	1.082	1.082	0	%100
26	MP2C	Z	1.875	1.875	0	%100
27	MP1C	X	1.082	1.082	0	%100
28	MP1C	Z	1.875	1.875	0	%100
29	MP4B	X	1.082	1.082	0	%100
30	MP4B	Z	1.875	1.875	0	%100
31	MP3B	X	1.082	1.082	0	%100
32	MP3B	Z	1.875	1.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	MP2B	X	1.082	1.082	0	%100
34	MP2B	Z	1.875	1.875	0	%100
35	MP1B	X	1.082	1.082	0	%100
36	MP1B	Z	1.875	1.875	0	%100
37	M55	X	.859	.859	0	%100
38	M55	Z	1.488	1.488	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	.949	.949	0	%100
42	M57	Z	1.644	1.644	0	%100
43	M58	X	.949	.949	0	%100
44	M58	Z	1.644	1.644	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	.862	.862	0	%100
48	M72	Z	1.493	1.493	0	%100
49	M73	X	.862	.862	0	%100
50	M73	Z	1.493	1.493	0	%100
51	M74	X	1.4	1.4	0	%100
52	M74	Z	2.425	2.425	0	%100
53	M75	X	1.748	1.748	0	%100
54	M75	Z	3.027	3.027	0	%100
55	M76	X	1.4	1.4	0	%100
56	M76	Z	2.425	2.425	0	%100
57	M83A	X	.859	.859	0	%100
58	M83A	Z	1.488	1.488	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	0	0	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	2.383	2.383	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	2.383	2.383	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	.794	.794	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	.794	.794	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	3.177	3.177	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	2.126	2.126	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	2.126	2.126	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	2.126	2.126	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	2.126	2.126	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	2.126	2.126	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	MP3C	X	0	0	0	%100
24	MP3C	Z	2.126	2.126	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	2.126	2.126	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	2.126	2.126	0	%100
29	MP4B	X	0	0	0	%100
30	MP4B	Z	2.126	2.126	0	%100
31	MP3B	X	0	0	0	%100
32	MP3B	Z	2.126	2.126	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	2.126	2.126	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	2.126	2.126	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	1.698	1.698	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	.633	.633	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	.633	.633	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	2.531	2.531	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	.575	.575	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	2.299	2.299	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	.575	.575	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	2.569	2.569	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	3.264	3.264	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	3.264	3.264	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	1.698	1.698	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-.397	-.397	0	%100
2	M69	Z	.688	.688	0	%100
3	M78	X	-.397	-.397	0	%100
4	M78	Z	.688	.688	0	%100
5	M87	X	-1.589	-1.589	0	%100
6	M87	Z	2.752	2.752	0	%100
7	M96	X	-1.191	-1.191	0	%100
8	M96	Z	2.064	2.064	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	-1.191	-1.191	0	%100
12	M98	Z	2.064	2.064	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
13	MP4A	X	-1.082	-1.082	0	%100
14	MP4A	Z	1.875	1.875	0	%100
15	MP3A	X	-1.082	-1.082	0	%100
16	MP3A	Z	1.875	1.875	0	%100
17	MP2A	X	-1.082	-1.082	0	%100
18	MP2A	Z	1.875	1.875	0	%100
19	MP1A	X	-1.082	-1.082	0	%100
20	MP1A	Z	1.875	1.875	0	%100
21	MP4C	X	-1.082	-1.082	0	%100
22	MP4C	Z	1.875	1.875	0	%100
23	MP3C	X	-1.082	-1.082	0	%100
24	MP3C	Z	1.875	1.875	0	%100
25	MP2C	X	-1.082	-1.082	0	%100
26	MP2C	Z	1.875	1.875	0	%100
27	MP1C	X	-1.082	-1.082	0	%100
28	MP1C	Z	1.875	1.875	0	%100
29	MP4B	X	-1.082	-1.082	0	%100
30	MP4B	Z	1.875	1.875	0	%100
31	MP3B	X	-1.082	-1.082	0	%100
32	MP3B	Z	1.875	1.875	0	%100
33	MP2B	X	-1.082	-1.082	0	%100
34	MP2B	Z	1.875	1.875	0	%100
35	MP1B	X	-1.082	-1.082	0	%100
36	MP1B	Z	1.875	1.875	0	%100
37	M55	X	-.859	-.859	0	%100
38	M55	Z	1.488	1.488	0	%100
39	M56	X	-.949	-.949	0	%100
40	M56	Z	1.644	1.644	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	-.949	-.949	0	%100
44	M58	Z	1.644	1.644	0	%100
45	M71	X	-.862	-.862	0	%100
46	M71	Z	1.493	1.493	0	%100
47	M72	X	-.862	-.862	0	%100
48	M72	Z	1.493	1.493	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	-1.4	-1.4	0	%100
52	M74	Z	2.425	2.425	0	%100
53	M75	X	-1.4	-1.4	0	%100
54	M75	Z	2.425	2.425	0	%100
55	M76	X	-1.748	-1.748	0	%100
56	M76	Z	3.027	3.027	0	%100
57	M83A	X	-.859	-.859	0	%100
58	M83A	Z	1.488	1.488	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-2.064	-2.064	0	%100
2	M69	Z	1.191	1.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
3	M78	X	0	0	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	-2.064	-2.064	0	%100
6	M87	Z	1.191	1.191	0	%100
7	M96	X	-2.752	-2.752	0	%100
8	M96	Z	1.589	1.589	0	%100
9	M97	X	-.688	-.688	0	%100
10	M97	Z	.397	.397	0	%100
11	M98	X	-.688	-.688	0	%100
12	M98	Z	.397	.397	0	%100
13	MP4A	X	-1.941	-1.941	0	%100
14	MP4A	Z	1.121	1.121	0	%100
15	MP3A	X	-1.941	-1.941	0	%100
16	MP3A	Z	1.121	1.121	0	%100
17	MP2A	X	-1.941	-1.941	0	%100
18	MP2A	Z	1.121	1.121	0	%100
19	MP1A	X	-1.941	-1.941	0	%100
20	MP1A	Z	1.121	1.121	0	%100
21	MP4C	X	-1.941	-1.941	0	%100
22	MP4C	Z	1.121	1.121	0	%100
23	MP3C	X	-1.941	-1.941	0	%100
24	MP3C	Z	1.121	1.121	0	%100
25	MP2C	X	-1.941	-1.941	0	%100
26	MP2C	Z	1.121	1.121	0	%100
27	MP1C	X	-1.941	-1.941	0	%100
28	MP1C	Z	1.121	1.121	0	%100
29	MP4B	X	-1.941	-1.941	0	%100
30	MP4B	Z	1.121	1.121	0	%100
31	MP3B	X	-1.941	-1.941	0	%100
32	MP3B	Z	1.121	1.121	0	%100
33	MP2B	X	-1.941	-1.941	0	%100
34	MP2B	Z	1.121	1.121	0	%100
35	MP1B	X	-1.941	-1.941	0	%100
36	MP1B	Z	1.121	1.121	0	%100
37	M55	X	-1.524	-1.524	0	%100
38	M55	Z	.88	.88	0	%100
39	M56	X	-2.192	-2.192	0	%100
40	M56	Z	1.265	1.265	0	%100
41	M57	X	-.548	-.548	0	%100
42	M57	Z	.316	.316	0	%100
43	M58	X	-.548	-.548	0	%100
44	M58	Z	.316	.316	0	%100
45	M71	X	-1.991	-1.991	0	%100
46	M71	Z	1.15	1.15	0	%100
47	M72	X	-.498	-.498	0	%100
48	M72	Z	.287	.287	0	%100
49	M73	X	-.498	-.498	0	%100
50	M73	Z	.287	.287	0	%100
51	M74	X	-2.827	-2.827	0	%100
52	M74	Z	1.632	1.632	0	%100
53	M75	X	-2.225	-2.225	0	%100
54	M75	Z	1.285	1.285	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
55	M76	X	-2.827	-2.827	0	%100
56	M76	Z	1.632	1.632	0	%100
57	M83A	X	-1.524	-1.524	0	%100
58	M83A	Z	.88	.88	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-3.177	-3.177	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	-.794	-.794	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	-.794	-.794	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	-2.383	-2.383	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	-2.383	-2.383	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	0	0	0	%100
13	MP4A	X	-2.28	-2.28	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	-2.28	-2.28	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	-2.28	-2.28	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	-2.28	-2.28	0	%100
20	MP1A	Z	0	0	0	%100
21	MP4C	X	-2.28	-2.28	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-2.28	-2.28	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-2.28	-2.28	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-2.28	-2.28	0	%100
28	MP1C	Z	0	0	0	%100
29	MP4B	X	-2.28	-2.28	0	%100
30	MP4B	Z	0	0	0	%100
31	MP3B	X	-2.28	-2.28	0	%100
32	MP3B	Z	0	0	0	%100
33	MP2B	X	-2.28	-2.28	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	-2.28	-2.28	0	%100
36	MP1B	Z	0	0	0	%100
37	M55	X	-1.781	-1.781	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	-1.898	-1.898	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-1.898	-1.898	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
45	M71	X	-1.724	-1.724	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	-1.724	-1.724	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	-3.495	-3.495	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	-2.801	-2.801	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	-2.801	-2.801	0	%100
56	M76	Z	0	0	0	%100
57	M83A	X	-1.781	-1.781	0	%100
58	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-2.064	-2.064	0	%100
2	M69	Z	-1.191	-1.191	0	%100
3	M78	X	-2.064	-2.064	0	%100
4	M78	Z	-1.191	-1.191	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	-.688	-.688	0	%100
8	M96	Z	-.397	-.397	0	%100
9	M97	X	-2.752	-2.752	0	%100
10	M97	Z	-1.589	-1.589	0	%100
11	M98	X	-.688	-.688	0	%100
12	M98	Z	-.397	-.397	0	%100
13	MP4A	X	-1.941	-1.941	0	%100
14	MP4A	Z	-1.121	-1.121	0	%100
15	MP3A	X	-1.941	-1.941	0	%100
16	MP3A	Z	-1.121	-1.121	0	%100
17	MP2A	X	-1.941	-1.941	0	%100
18	MP2A	Z	-1.121	-1.121	0	%100
19	MP1A	X	-1.941	-1.941	0	%100
20	MP1A	Z	-1.121	-1.121	0	%100
21	MP4C	X	-1.941	-1.941	0	%100
22	MP4C	Z	-1.121	-1.121	0	%100
23	MP3C	X	-1.941	-1.941	0	%100
24	MP3C	Z	-1.121	-1.121	0	%100
25	MP2C	X	-1.941	-1.941	0	%100
26	MP2C	Z	-1.121	-1.121	0	%100
27	MP1C	X	-1.941	-1.941	0	%100
28	MP1C	Z	-1.121	-1.121	0	%100
29	MP4B	X	-1.941	-1.941	0	%100
30	MP4B	Z	-1.121	-1.121	0	%100
31	MP3B	X	-1.941	-1.941	0	%100
32	MP3B	Z	-1.121	-1.121	0	%100
33	MP2B	X	-1.941	-1.941	0	%100
34	MP2B	Z	-1.121	-1.121	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
35	MP1B	X	-1.941	-1.941	0	%100
36	MP1B	Z	-1.121	-1.121	0	%100
37	M55	X	-1.524	-1.524	0	%100
38	M55	Z	-.88	-.88	0	%100
39	M56	X	-.548	-.548	0	%100
40	M56	Z	-.316	-.316	0	%100
41	M57	X	-2.192	-2.192	0	%100
42	M57	Z	-1.265	-1.265	0	%100
43	M58	X	-.548	-.548	0	%100
44	M58	Z	-.316	-.316	0	%100
45	M71	X	-.498	-.498	0	%100
46	M71	Z	-.287	-.287	0	%100
47	M72	X	-.498	-.498	0	%100
48	M72	Z	-.287	-.287	0	%100
49	M73	X	-1.991	-1.991	0	%100
50	M73	Z	-1.15	-1.15	0	%100
51	M74	X	-2.827	-2.827	0	%100
52	M74	Z	-1.632	-1.632	0	%100
53	M75	X	-2.827	-2.827	0	%100
54	M75	Z	-1.632	-1.632	0	%100
55	M76	X	-2.225	-2.225	0	%100
56	M76	Z	-1.285	-1.285	0	%100
57	M83A	X	-1.524	-1.524	0	%100
58	M83A	Z	-.88	-.88	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-.397	-.397	0	%100
2	M69	Z	-.688	-.688	0	%100
3	M78	X	-1.589	-1.589	0	%100
4	M78	Z	-2.752	-2.752	0	%100
5	M87	X	-.397	-.397	0	%100
6	M87	Z	-.688	-.688	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	-1.191	-1.191	0	%100
10	M97	Z	-2.064	-2.064	0	%100
11	M98	X	-1.191	-1.191	0	%100
12	M98	Z	-2.064	-2.064	0	%100
13	MP4A	X	-1.082	-1.082	0	%100
14	MP4A	Z	-1.875	-1.875	0	%100
15	MP3A	X	-1.082	-1.082	0	%100
16	MP3A	Z	-1.875	-1.875	0	%100
17	MP2A	X	-1.082	-1.082	0	%100
18	MP2A	Z	-1.875	-1.875	0	%100
19	MP1A	X	-1.082	-1.082	0	%100
20	MP1A	Z	-1.875	-1.875	0	%100
21	MP4C	X	-1.082	-1.082	0	%100
22	MP4C	Z	-1.875	-1.875	0	%100
23	MP3C	X	-1.082	-1.082	0	%100
24	MP3C	Z	-1.875	-1.875	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
25	MP2C	X	-1.082	-1.082	0	%100
26	MP2C	Z	-1.875	-1.875	0	%100
27	MP1C	X	-1.082	-1.082	0	%100
28	MP1C	Z	-1.875	-1.875	0	%100
29	MP4B	X	-1.082	-1.082	0	%100
30	MP4B	Z	-1.875	-1.875	0	%100
31	MP3B	X	-1.082	-1.082	0	%100
32	MP3B	Z	-1.875	-1.875	0	%100
33	MP2B	X	-1.082	-1.082	0	%100
34	MP2B	Z	-1.875	-1.875	0	%100
35	MP1B	X	-1.082	-1.082	0	%100
36	MP1B	Z	-1.875	-1.875	0	%100
37	M55	X	-.859	-.859	0	%100
38	M55	Z	-1.488	-1.488	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-.949	-.949	0	%100
42	M57	Z	-1.644	-1.644	0	%100
43	M58	X	-.949	-.949	0	%100
44	M58	Z	-1.644	-1.644	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	-.862	-.862	0	%100
48	M72	Z	-1.493	-1.493	0	%100
49	M73	X	-.862	-.862	0	%100
50	M73	Z	-1.493	-1.493	0	%100
51	M74	X	-1.4	-1.4	0	%100
52	M74	Z	-2.425	-2.425	0	%100
53	M75	X	-1.748	-1.748	0	%100
54	M75	Z	-3.027	-3.027	0	%100
55	M76	X	-1.4	-1.4	0	%100
56	M76	Z	-2.425	-2.425	0	%100
57	M83A	X	-.859	-.859	0	%100
58	M83A	Z	-1.488	-1.488	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	0	0	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	-.563	-.563	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	-.563	-.563	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	-.188	-.188	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	-.188	-.188	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	-.751	-.751	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	-.373	-.373	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
15	MP3A	X	0	0	0	%100
16	MP3A	Z	-.373	-.373	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	-.373	-.373	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	-.373	-.373	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	-.373	-.373	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	-.373	-.373	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	-.373	-.373	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	-.373	-.373	0	%100
29	MP4B	X	0	0	0	%100
30	MP4B	Z	-.373	-.373	0	%100
31	MP3B	X	0	0	0	%100
32	MP3B	Z	-.373	-.373	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	-.373	-.373	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	-.373	-.373	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	-.3	-.3	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	-.13	-.13	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	-.13	-.13	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	-.518	-.518	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	-.144	-.144	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	-.575	-.575	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	-.144	-.144	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	-.728	-.728	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	-.831	-.831	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	-.831	-.831	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	-.3	-.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	.094	.094	0	%100
2	M69	Z	-.163	-.163	0	%100
3	M78	X	.094	.094	0	%100
4	M78	Z	-.163	-.163	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
5	M87	X	.375	.375	0	%100
6	M87	Z	-.65	-.65	0	%100
7	M96	X	.282	.282	0	%100
8	M96	Z	-.488	-.488	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	.282	.282	0	%100
12	M98	Z	-.488	-.488	0	%100
13	MP4A	X	.193	.193	0	%100
14	MP4A	Z	-.335	-.335	0	%100
15	MP3A	X	.193	.193	0	%100
16	MP3A	Z	-.335	-.335	0	%100
17	MP2A	X	.193	.193	0	%100
18	MP2A	Z	-.335	-.335	0	%100
19	MP1A	X	.193	.193	0	%100
20	MP1A	Z	-.335	-.335	0	%100
21	MP4C	X	.193	.193	0	%100
22	MP4C	Z	-.335	-.335	0	%100
23	MP3C	X	.193	.193	0	%100
24	MP3C	Z	-.335	-.335	0	%100
25	MP2C	X	.193	.193	0	%100
26	MP2C	Z	-.335	-.335	0	%100
27	MP1C	X	.193	.193	0	%100
28	MP1C	Z	-.335	-.335	0	%100
29	MP4B	X	.193	.193	0	%100
30	MP4B	Z	-.335	-.335	0	%100
31	MP3B	X	.193	.193	0	%100
32	MP3B	Z	-.335	-.335	0	%100
33	MP2B	X	.193	.193	0	%100
34	MP2B	Z	-.335	-.335	0	%100
35	MP1B	X	.193	.193	0	%100
36	MP1B	Z	-.335	-.335	0	%100
37	M55	X	.154	.154	0	%100
38	M55	Z	-.266	-.266	0	%100
39	M56	X	.194	.194	0	%100
40	M56	Z	-.337	-.337	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	.194	.194	0	%100
44	M58	Z	-.337	-.337	0	%100
45	M71	X	.216	.216	0	%100
46	M71	Z	-.373	-.373	0	%100
47	M72	X	.216	.216	0	%100
48	M72	Z	-.373	-.373	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	.381	.381	0	%100
52	M74	Z	-.661	-.661	0	%100
53	M75	X	.381	.381	0	%100
54	M75	Z	-.661	-.661	0	%100
55	M76	X	.433	.433	0	%100
56	M76	Z	-.75	-.75	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
57	M83A	X	.154	.154	0	%100
58	M83A	Z	-.266	-.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	.488	.488	0	%100
2	M69	Z	-.282	-.282	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	.488	.488	0	%100
6	M87	Z	-.282	-.282	0	%100
7	M96	X	.65	.65	0	%100
8	M96	Z	-.375	-.375	0	%100
9	M97	X	.163	.163	0	%100
10	M97	Z	-.094	-.094	0	%100
11	M98	X	.163	.163	0	%100
12	M98	Z	-.094	-.094	0	%100
13	MP4A	X	.359	.359	0	%100
14	MP4A	Z	-.207	-.207	0	%100
15	MP3A	X	.359	.359	0	%100
16	MP3A	Z	-.207	-.207	0	%100
17	MP2A	X	.359	.359	0	%100
18	MP2A	Z	-.207	-.207	0	%100
19	MP1A	X	.359	.359	0	%100
20	MP1A	Z	-.207	-.207	0	%100
21	MP4C	X	.359	.359	0	%100
22	MP4C	Z	-.207	-.207	0	%100
23	MP3C	X	.359	.359	0	%100
24	MP3C	Z	-.207	-.207	0	%100
25	MP2C	X	.359	.359	0	%100
26	MP2C	Z	-.207	-.207	0	%100
27	MP1C	X	.359	.359	0	%100
28	MP1C	Z	-.207	-.207	0	%100
29	MP4B	X	.359	.359	0	%100
30	MP4B	Z	-.207	-.207	0	%100
31	MP3B	X	.359	.359	0	%100
32	MP3B	Z	-.207	-.207	0	%100
33	MP2B	X	.359	.359	0	%100
34	MP2B	Z	-.207	-.207	0	%100
35	MP1B	X	.359	.359	0	%100
36	MP1B	Z	-.207	-.207	0	%100
37	M55	X	.279	.279	0	%100
38	M55	Z	-.161	-.161	0	%100
39	M56	X	.449	.449	0	%100
40	M56	Z	-.259	-.259	0	%100
41	M57	X	.112	.112	0	%100
42	M57	Z	-.065	-.065	0	%100
43	M58	X	.112	.112	0	%100
44	M58	Z	-.065	-.065	0	%100
45	M71	X	.498	.498	0	%100
46	M71	Z	-.287	-.287	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
47	M72	X	.124	.124	0	%100
48	M72	Z	-.072	-.072	0	%100
49	M73	X	.124	.124	0	%100
50	M73	Z	-.072	-.072	0	%100
51	M74	X	.72	.72	0	%100
52	M74	Z	-.416	-.416	0	%100
53	M75	X	.631	.631	0	%100
54	M75	Z	-.364	-.364	0	%100
55	M76	X	.72	.72	0	%100
56	M76	Z	-.416	-.416	0	%100
57	M83A	X	.279	.279	0	%100
58	M83A	Z	-.161	-.161	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	.751	.751	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	.188	.188	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	.188	.188	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	.563	.563	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	.563	.563	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	0	0	0	%100
13	MP4A	X	.428	.428	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	.428	.428	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	.428	.428	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	.428	.428	0	%100
20	MP1A	Z	0	0	0	%100
21	MP4C	X	.428	.428	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	.428	.428	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	.428	.428	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	.428	.428	0	%100
28	MP1C	Z	0	0	0	%100
29	MP4B	X	.428	.428	0	%100
30	MP4B	Z	0	0	0	%100
31	MP3B	X	.428	.428	0	%100
32	MP3B	Z	0	0	0	%100
33	MP2B	X	.428	.428	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	.428	.428	0	%100
36	MP1B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
37	M55	X	.33	.33	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	.389	.389	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	.389	.389	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	0	0	0	%100
45	M71	X	.431	.431	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	.431	.431	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	.866	.866	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	.763	.763	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	.763	.763	0	%100
56	M76	Z	0	0	0	%100
57	M83A	X	.33	.33	0	%100
58	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	.488	.488	0	%100
2	M69	Z	.282	.282	0	%100
3	M78	X	.488	.488	0	%100
4	M78	Z	.282	.282	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	.163	.163	0	%100
8	M96	Z	.094	.094	0	%100
9	M97	X	.65	.65	0	%100
10	M97	Z	.375	.375	0	%100
11	M98	X	.163	.163	0	%100
12	M98	Z	.094	.094	0	%100
13	MP4A	X	.359	.359	0	%100
14	MP4A	Z	.207	.207	0	%100
15	MP3A	X	.359	.359	0	%100
16	MP3A	Z	.207	.207	0	%100
17	MP2A	X	.359	.359	0	%100
18	MP2A	Z	.207	.207	0	%100
19	MP1A	X	.359	.359	0	%100
20	MP1A	Z	.207	.207	0	%100
21	MP4C	X	.359	.359	0	%100
22	MP4C	Z	.207	.207	0	%100
23	MP3C	X	.359	.359	0	%100
24	MP3C	Z	.207	.207	0	%100
25	MP2C	X	.359	.359	0	%100
26	MP2C	Z	.207	.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
27	MP1C	X	.359	.359	0	%100
28	MP1C	Z	.207	.207	0	%100
29	MP4B	X	.359	.359	0	%100
30	MP4B	Z	.207	.207	0	%100
31	MP3B	X	.359	.359	0	%100
32	MP3B	Z	.207	.207	0	%100
33	MP2B	X	.359	.359	0	%100
34	MP2B	Z	.207	.207	0	%100
35	MP1B	X	.359	.359	0	%100
36	MP1B	Z	.207	.207	0	%100
37	M55	X	.279	.279	0	%100
38	M55	Z	.161	.161	0	%100
39	M56	X	.112	.112	0	%100
40	M56	Z	.065	.065	0	%100
41	M57	X	.449	.449	0	%100
42	M57	Z	.259	.259	0	%100
43	M58	X	.112	.112	0	%100
44	M58	Z	.065	.065	0	%100
45	M71	X	.124	.124	0	%100
46	M71	Z	.072	.072	0	%100
47	M72	X	.124	.124	0	%100
48	M72	Z	.072	.072	0	%100
49	M73	X	.498	.498	0	%100
50	M73	Z	.287	.287	0	%100
51	M74	X	.72	.72	0	%100
52	M74	Z	.416	.416	0	%100
53	M75	X	.72	.72	0	%100
54	M75	Z	.416	.416	0	%100
55	M76	X	.631	.631	0	%100
56	M76	Z	.364	.364	0	%100
57	M83A	X	.279	.279	0	%100
58	M83A	Z	.161	.161	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	.094	.094	0	%100
2	M69	Z	.163	.163	0	%100
3	M78	X	.375	.375	0	%100
4	M78	Z	.65	.65	0	%100
5	M87	X	.094	.094	0	%100
6	M87	Z	.163	.163	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	.282	.282	0	%100
10	M97	Z	.488	.488	0	%100
11	M98	X	.282	.282	0	%100
12	M98	Z	.488	.488	0	%100
13	MP4A	X	.193	.193	0	%100
14	MP4A	Z	.335	.335	0	%100
15	MP3A	X	.193	.193	0	%100
16	MP3A	Z	.335	.335	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
17	MP2A	X	.193	.193	0	%100
18	MP2A	Z	.335	.335	0	%100
19	MP1A	X	.193	.193	0	%100
20	MP1A	Z	.335	.335	0	%100
21	MP4C	X	.193	.193	0	%100
22	MP4C	Z	.335	.335	0	%100
23	MP3C	X	.193	.193	0	%100
24	MP3C	Z	.335	.335	0	%100
25	MP2C	X	.193	.193	0	%100
26	MP2C	Z	.335	.335	0	%100
27	MP1C	X	.193	.193	0	%100
28	MP1C	Z	.335	.335	0	%100
29	MP4B	X	.193	.193	0	%100
30	MP4B	Z	.335	.335	0	%100
31	MP3B	X	.193	.193	0	%100
32	MP3B	Z	.335	.335	0	%100
33	MP2B	X	.193	.193	0	%100
34	MP2B	Z	.335	.335	0	%100
35	MP1B	X	.193	.193	0	%100
36	MP1B	Z	.335	.335	0	%100
37	M55	X	.154	.154	0	%100
38	M55	Z	.266	.266	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	.194	.194	0	%100
42	M57	Z	.337	.337	0	%100
43	M58	X	.194	.194	0	%100
44	M58	Z	.337	.337	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	.216	.216	0	%100
48	M72	Z	.373	.373	0	%100
49	M73	X	.216	.216	0	%100
50	M73	Z	.373	.373	0	%100
51	M74	X	.381	.381	0	%100
52	M74	Z	.661	.661	0	%100
53	M75	X	.433	.433	0	%100
54	M75	Z	.75	.75	0	%100
55	M76	X	.381	.381	0	%100
56	M76	Z	.661	.661	0	%100
57	M83A	X	.154	.154	0	%100
58	M83A	Z	.266	.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	0	0	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	.563	.563	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	.563	.563	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
7	M96	X	0	0	0	%100
8	M96	Z	.188	.188	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	.188	.188	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	.751	.751	0	%100
13	MP4A	X	0	0	0	%100
14	MP4A	Z	.373	.373	0	%100
15	MP3A	X	0	0	0	%100
16	MP3A	Z	.373	.373	0	%100
17	MP2A	X	0	0	0	%100
18	MP2A	Z	.373	.373	0	%100
19	MP1A	X	0	0	0	%100
20	MP1A	Z	.373	.373	0	%100
21	MP4C	X	0	0	0	%100
22	MP4C	Z	.373	.373	0	%100
23	MP3C	X	0	0	0	%100
24	MP3C	Z	.373	.373	0	%100
25	MP2C	X	0	0	0	%100
26	MP2C	Z	.373	.373	0	%100
27	MP1C	X	0	0	0	%100
28	MP1C	Z	.373	.373	0	%100
29	MP4B	X	0	0	0	%100
30	MP4B	Z	.373	.373	0	%100
31	MP3B	X	0	0	0	%100
32	MP3B	Z	.373	.373	0	%100
33	MP2B	X	0	0	0	%100
34	MP2B	Z	.373	.373	0	%100
35	MP1B	X	0	0	0	%100
36	MP1B	Z	.373	.373	0	%100
37	M55	X	0	0	0	%100
38	M55	Z	.3	.3	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	.13	.13	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	.13	.13	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	.518	.518	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	.144	.144	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	.575	.575	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	.144	.144	0	%100
51	M74	X	0	0	0	%100
52	M74	Z	.728	.728	0	%100
53	M75	X	0	0	0	%100
54	M75	Z	.831	.831	0	%100
55	M76	X	0	0	0	%100
56	M76	Z	.831	.831	0	%100
57	M83A	X	0	0	0	%100
58	M83A	Z	.3	.3	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-.094	-.094	0	%100
2	M69	Z	.163	.163	0	%100
3	M78	X	-.094	-.094	0	%100
4	M78	Z	.163	.163	0	%100
5	M87	X	-.375	-.375	0	%100
6	M87	Z	.65	.65	0	%100
7	M96	X	-.282	-.282	0	%100
8	M96	Z	.488	.488	0	%100
9	M97	X	0	0	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	-.282	-.282	0	%100
12	M98	Z	.488	.488	0	%100
13	MP4A	X	-.193	-.193	0	%100
14	MP4A	Z	.335	.335	0	%100
15	MP3A	X	-.193	-.193	0	%100
16	MP3A	Z	.335	.335	0	%100
17	MP2A	X	-.193	-.193	0	%100
18	MP2A	Z	.335	.335	0	%100
19	MP1A	X	-.193	-.193	0	%100
20	MP1A	Z	.335	.335	0	%100
21	MP4C	X	-.193	-.193	0	%100
22	MP4C	Z	.335	.335	0	%100
23	MP3C	X	-.193	-.193	0	%100
24	MP3C	Z	.335	.335	0	%100
25	MP2C	X	-.193	-.193	0	%100
26	MP2C	Z	.335	.335	0	%100
27	MP1C	X	-.193	-.193	0	%100
28	MP1C	Z	.335	.335	0	%100
29	MP4B	X	-.193	-.193	0	%100
30	MP4B	Z	.335	.335	0	%100
31	MP3B	X	-.193	-.193	0	%100
32	MP3B	Z	.335	.335	0	%100
33	MP2B	X	-.193	-.193	0	%100
34	MP2B	Z	.335	.335	0	%100
35	MP1B	X	-.193	-.193	0	%100
36	MP1B	Z	.335	.335	0	%100
37	M55	X	-.154	-.154	0	%100
38	M55	Z	.266	.266	0	%100
39	M56	X	-.194	-.194	0	%100
40	M56	Z	.337	.337	0	%100
41	M57	X	0	0	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	-.194	-.194	0	%100
44	M58	Z	.337	.337	0	%100
45	M71	X	-.216	-.216	0	%100
46	M71	Z	.373	.373	0	%100
47	M72	X	-.216	-.216	0	%100
48	M72	Z	.373	.373	0	%100
49	M73	X	0	0	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	-.381	-.381	0	%100
52	M74	Z	.661	.661	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
53	M75	X	-.381	-.381	0	%100
54	M75	Z	.661	.661	0	%100
55	M76	X	-.433	-.433	0	%100
56	M76	Z	.75	.75	0	%100
57	M83A	X	-.154	-.154	0	%100
58	M83A	Z	.266	.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-.488	-.488	0	%100
2	M69	Z	.282	.282	0	%100
3	M78	X	0	0	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	-.488	-.488	0	%100
6	M87	Z	.282	.282	0	%100
7	M96	X	-.65	-.65	0	%100
8	M96	Z	.375	.375	0	%100
9	M97	X	-.163	-.163	0	%100
10	M97	Z	.094	.094	0	%100
11	M98	X	-.163	-.163	0	%100
12	M98	Z	.094	.094	0	%100
13	MP4A	X	-.359	-.359	0	%100
14	MP4A	Z	.207	.207	0	%100
15	MP3A	X	-.359	-.359	0	%100
16	MP3A	Z	.207	.207	0	%100
17	MP2A	X	-.359	-.359	0	%100
18	MP2A	Z	.207	.207	0	%100
19	MP1A	X	-.359	-.359	0	%100
20	MP1A	Z	.207	.207	0	%100
21	MP4C	X	-.359	-.359	0	%100
22	MP4C	Z	.207	.207	0	%100
23	MP3C	X	-.359	-.359	0	%100
24	MP3C	Z	.207	.207	0	%100
25	MP2C	X	-.359	-.359	0	%100
26	MP2C	Z	.207	.207	0	%100
27	MP1C	X	-.359	-.359	0	%100
28	MP1C	Z	.207	.207	0	%100
29	MP4B	X	-.359	-.359	0	%100
30	MP4B	Z	.207	.207	0	%100
31	MP3B	X	-.359	-.359	0	%100
32	MP3B	Z	.207	.207	0	%100
33	MP2B	X	-.359	-.359	0	%100
34	MP2B	Z	.207	.207	0	%100
35	MP1B	X	-.359	-.359	0	%100
36	MP1B	Z	.207	.207	0	%100
37	M55	X	-.279	-.279	0	%100
38	M55	Z	.161	.161	0	%100
39	M56	X	-.449	-.449	0	%100
40	M56	Z	.259	.259	0	%100
41	M57	X	-.112	-.112	0	%100
42	M57	Z	.065	.065	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
43	M58	X	-.112	-.112	0	%100
44	M58	Z	.065	.065	0	%100
45	M71	X	-.498	-.498	0	%100
46	M71	Z	.287	.287	0	%100
47	M72	X	-.124	-.124	0	%100
48	M72	Z	.072	.072	0	%100
49	M73	X	-.124	-.124	0	%100
50	M73	Z	.072	.072	0	%100
51	M74	X	-.72	-.72	0	%100
52	M74	Z	.416	.416	0	%100
53	M75	X	-.631	-.631	0	%100
54	M75	Z	.364	.364	0	%100
55	M76	X	-.72	-.72	0	%100
56	M76	Z	.416	.416	0	%100
57	M83A	X	-.279	-.279	0	%100
58	M83A	Z	.161	.161	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-.751	-.751	0	%100
2	M69	Z	0	0	0	%100
3	M78	X	-.188	-.188	0	%100
4	M78	Z	0	0	0	%100
5	M87	X	-.188	-.188	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	-.563	-.563	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	-.563	-.563	0	%100
10	M97	Z	0	0	0	%100
11	M98	X	0	0	0	%100
12	M98	Z	0	0	0	%100
13	MP4A	X	-.428	-.428	0	%100
14	MP4A	Z	0	0	0	%100
15	MP3A	X	-.428	-.428	0	%100
16	MP3A	Z	0	0	0	%100
17	MP2A	X	-.428	-.428	0	%100
18	MP2A	Z	0	0	0	%100
19	MP1A	X	-.428	-.428	0	%100
20	MP1A	Z	0	0	0	%100
21	MP4C	X	-.428	-.428	0	%100
22	MP4C	Z	0	0	0	%100
23	MP3C	X	-.428	-.428	0	%100
24	MP3C	Z	0	0	0	%100
25	MP2C	X	-.428	-.428	0	%100
26	MP2C	Z	0	0	0	%100
27	MP1C	X	-.428	-.428	0	%100
28	MP1C	Z	0	0	0	%100
29	MP4B	X	-.428	-.428	0	%100
30	MP4B	Z	0	0	0	%100
31	MP3B	X	-.428	-.428	0	%100
32	MP3B	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
33	MP2B	X	-.428	-.428	0	%100
34	MP2B	Z	0	0	0	%100
35	MP1B	X	-.428	-.428	0	%100
36	MP1B	Z	0	0	0	%100
37	M55	X	-.33	-.33	0	%100
38	M55	Z	0	0	0	%100
39	M56	X	-.389	-.389	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-.389	-.389	0	%100
42	M57	Z	0	0	0	%100
43	M58	X	0	0	0	%100
44	M58	Z	0	0	0	%100
45	M71	X	-.431	-.431	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	0	0	0	%100
48	M72	Z	0	0	0	%100
49	M73	X	-.431	-.431	0	%100
50	M73	Z	0	0	0	%100
51	M74	X	-.866	-.866	0	%100
52	M74	Z	0	0	0	%100
53	M75	X	-.763	-.763	0	%100
54	M75	Z	0	0	0	%100
55	M76	X	-.763	-.763	0	%100
56	M76	Z	0	0	0	%100
57	M83A	X	-.33	-.33	0	%100
58	M83A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-.488	-.488	0	%100
2	M69	Z	-.282	-.282	0	%100
3	M78	X	-.488	-.488	0	%100
4	M78	Z	-.282	-.282	0	%100
5	M87	X	0	0	0	%100
6	M87	Z	0	0	0	%100
7	M96	X	-.163	-.163	0	%100
8	M96	Z	-.094	-.094	0	%100
9	M97	X	-.65	-.65	0	%100
10	M97	Z	-.375	-.375	0	%100
11	M98	X	-.163	-.163	0	%100
12	M98	Z	-.094	-.094	0	%100
13	MP4A	X	-.359	-.359	0	%100
14	MP4A	Z	-.207	-.207	0	%100
15	MP3A	X	-.359	-.359	0	%100
16	MP3A	Z	-.207	-.207	0	%100
17	MP2A	X	-.359	-.359	0	%100
18	MP2A	Z	-.207	-.207	0	%100
19	MP1A	X	-.359	-.359	0	%100
20	MP1A	Z	-.207	-.207	0	%100
21	MP4C	X	-.359	-.359	0	%100
22	MP4C	Z	-.207	-.207	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
23	MP3C	X	-.359	-.359	0	%100
24	MP3C	Z	-.207	-.207	0	%100
25	MP2C	X	-.359	-.359	0	%100
26	MP2C	Z	-.207	-.207	0	%100
27	MP1C	X	-.359	-.359	0	%100
28	MP1C	Z	-.207	-.207	0	%100
29	MP4B	X	-.359	-.359	0	%100
30	MP4B	Z	-.207	-.207	0	%100
31	MP3B	X	-.359	-.359	0	%100
32	MP3B	Z	-.207	-.207	0	%100
33	MP2B	X	-.359	-.359	0	%100
34	MP2B	Z	-.207	-.207	0	%100
35	MP1B	X	-.359	-.359	0	%100
36	MP1B	Z	-.207	-.207	0	%100
37	M55	X	-.279	-.279	0	%100
38	M55	Z	-.161	-.161	0	%100
39	M56	X	-.112	-.112	0	%100
40	M56	Z	-.065	-.065	0	%100
41	M57	X	-.449	-.449	0	%100
42	M57	Z	-.259	-.259	0	%100
43	M58	X	-.112	-.112	0	%100
44	M58	Z	-.065	-.065	0	%100
45	M71	X	-.124	-.124	0	%100
46	M71	Z	-.072	-.072	0	%100
47	M72	X	-.124	-.124	0	%100
48	M72	Z	-.072	-.072	0	%100
49	M73	X	-.498	-.498	0	%100
50	M73	Z	-.287	-.287	0	%100
51	M74	X	-.72	-.72	0	%100
52	M74	Z	-.416	-.416	0	%100
53	M75	X	-.72	-.72	0	%100
54	M75	Z	-.416	-.416	0	%100
55	M76	X	-.631	-.631	0	%100
56	M76	Z	-.364	-.364	0	%100
57	M83A	X	-.279	-.279	0	%100
58	M83A	Z	-.161	-.161	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M69	X	-.094	-.094	0	%100
2	M69	Z	-.163	-.163	0	%100
3	M78	X	-.375	-.375	0	%100
4	M78	Z	-.65	-.65	0	%100
5	M87	X	-.094	-.094	0	%100
6	M87	Z	-.163	-.163	0	%100
7	M96	X	0	0	0	%100
8	M96	Z	0	0	0	%100
9	M97	X	-.282	-.282	0	%100
10	M97	Z	-.488	-.488	0	%100
11	M98	X	-.282	-.282	0	%100
12	M98	Z	-.488	-.488	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
13	MP4A	X	-.193	-.193	0	%100
14	MP4A	Z	-.335	-.335	0	%100
15	MP3A	X	-.193	-.193	0	%100
16	MP3A	Z	-.335	-.335	0	%100
17	MP2A	X	-.193	-.193	0	%100
18	MP2A	Z	-.335	-.335	0	%100
19	MP1A	X	-.193	-.193	0	%100
20	MP1A	Z	-.335	-.335	0	%100
21	MP4C	X	-.193	-.193	0	%100
22	MP4C	Z	-.335	-.335	0	%100
23	MP3C	X	-.193	-.193	0	%100
24	MP3C	Z	-.335	-.335	0	%100
25	MP2C	X	-.193	-.193	0	%100
26	MP2C	Z	-.335	-.335	0	%100
27	MP1C	X	-.193	-.193	0	%100
28	MP1C	Z	-.335	-.335	0	%100
29	MP4B	X	-.193	-.193	0	%100
30	MP4B	Z	-.335	-.335	0	%100
31	MP3B	X	-.193	-.193	0	%100
32	MP3B	Z	-.335	-.335	0	%100
33	MP2B	X	-.193	-.193	0	%100
34	MP2B	Z	-.335	-.335	0	%100
35	MP1B	X	-.193	-.193	0	%100
36	MP1B	Z	-.335	-.335	0	%100
37	M55	X	-.154	-.154	0	%100
38	M55	Z	-.266	-.266	0	%100
39	M56	X	0	0	0	%100
40	M56	Z	0	0	0	%100
41	M57	X	-.194	-.194	0	%100
42	M57	Z	-.337	-.337	0	%100
43	M58	X	-.194	-.194	0	%100
44	M58	Z	-.337	-.337	0	%100
45	M71	X	0	0	0	%100
46	M71	Z	0	0	0	%100
47	M72	X	-.216	-.216	0	%100
48	M72	Z	-.373	-.373	0	%100
49	M73	X	-.216	-.216	0	%100
50	M73	Z	-.373	-.373	0	%100
51	M74	X	-.381	-.381	0	%100
52	M74	Z	-.661	-.661	0	%100
53	M75	X	-.433	-.433	0	%100
54	M75	Z	-.75	-.75	0	%100
55	M76	X	-.381	-.381	0	%100
56	M76	Z	-.661	-.661	0	%100
57	M83A	X	-.154	-.154	0	%100
58	M83A	Z	-.266	-.266	0	%100

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M78	Y	-5.69	-3.856	4.198	5.877
2	M78	Y	-3.856	-2.022	5.877	7.556

Member Distributed Loads (BLC 81 : BLC 39 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
3	M87	Y	-5.69	-3.856	4.198	5.877
4	M87	Y	-3.856	-2.022	5.877	7.556
5	M98	Y	-.862	-5.34	0	2.059
6	M98	Y	-5.34	-8.453	2.059	4.118
7	M98	Y	-8.453	-8.426	4.118	6.176
8	M98	Y	-8.426	-8.426	6.176	8.235
9	M98	Y	-8.426	-8.453	8.235	10.294
10	M98	Y	-8.453	-5.34	10.294	12.353
11	M98	Y	-5.34	-.862	12.353	14.411
12	M69	Y	-5.69	-3.856	4.198	5.877
13	M69	Y	-3.856	-2.022	5.877	7.556
14	M97	Y	-.862	-5.34	0	2.059
15	M97	Y	-5.34	-8.453	2.059	4.118
16	M97	Y	-8.453	-8.426	4.118	6.176
17	M97	Y	-8.426	-8.426	6.176	8.235
18	M97	Y	-8.426	-8.453	8.235	10.294
19	M97	Y	-8.453	-5.34	10.294	12.353
20	M97	Y	-5.34	-.862	12.353	14.411
21	M96	Y	-.862	-5.34	0	2.059
22	M96	Y	-5.34	-8.453	2.059	4.118
23	M96	Y	-8.453	-8.426	4.118	6.176
24	M96	Y	-8.426	-8.426	6.176	8.235
25	M96	Y	-8.426	-8.453	8.235	10.294
26	M96	Y	-8.453	-5.34	10.294	12.353
27	M96	Y	-5.34	-.862	12.353	14.411

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
1	M78	Y	-6.448	-4.37	4.198	5.877
2	M78	Y	-4.37	-2.291	5.877	7.556
3	M87	Y	-6.448	-4.37	4.198	5.877
4	M87	Y	-4.37	-2.291	5.877	7.556
5	M98	Y	-.977	-6.052	0	2.059
6	M98	Y	-6.052	-9.58	2.059	4.118
7	M98	Y	-9.58	-9.55	4.118	6.176
8	M98	Y	-9.55	-9.55	6.176	8.235
9	M98	Y	-9.55	-9.58	8.235	10.294
10	M98	Y	-9.58	-6.052	10.294	12.353
11	M98	Y	-6.052	-.977	12.353	14.411
12	M69	Y	-6.448	-4.37	4.198	5.877
13	M69	Y	-4.37	-2.291	5.877	7.556
14	M97	Y	-.977	-6.052	0	2.059
15	M97	Y	-6.052	-9.58	2.059	4.118
16	M97	Y	-9.58	-9.55	4.118	6.176
17	M97	Y	-9.55	-9.55	6.176	8.235
18	M97	Y	-9.55	-9.58	8.235	10.294
19	M97	Y	-9.58	-6.052	10.294	12.353
20	M97	Y	-6.052	-.977	12.353	14.411
21	M96	Y	-.977	-6.052	0	2.059
22	M96	Y	-6.052	-9.58	2.059	4.118
23	M96	Y	-9.58	-9.55	4.118	6.176

Member Distributed Loads (BLC 82 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,...	Start Location[ft,%]	End Location[ft,%]
24	M96	Y	-9.55	-9.55	6.176	8.235
25	M96	Y	-9.55	-9.58	8.235	10.294
26	M96	Y	-9.58	-6.052	10.294	12.353
27	M96	Y	-6.052	-.977	12.353	14.411

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87A	N89	N115	N104	Y	Two Way	-.009
2	N87A	N103	N127	N85	Y	Two Way	-.009
3	N85	N126	N116	N89	Y	Two Way	-.009

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N87A	N89	N115	N104	Y	Two Way	-.01
2	N87A	N103	N127	N85	Y	Two Way	-.01
3	N85	N126	N116	N89	Y	Two Way	-.01

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	N88	max	540.055	10	-8.249	7	4333.972	1	-.087	7	1.456	4	.199	4
2		min	-539.854	4	-964.172	13	-1937.31	7	-1.14	13	-1.454	10	-.199	10
3	N100	max	3661.658	9	-85.941	3	939.99	3	.608	21	1.283	12	1.054	21
4		min	-1618.974	3	-1026.299	21	-2118.749	9	.063	3	-1.281	6	.109	3
5	N112	max	1462.813	11	-122.436	11	831.121	11	.621	17	1.559	8	-.142	11
6		min	-3515.444	5	-1046.625	17	-2014.112	5	.082	11	-1.562	2	-1.076	17
7	N124B	max	36.361	10	3608.333	13	-725.976	7	0	51	0	8	0	2
8		min	-36.342	4	718.741	7	-3548.758	13	0	1	0	2	0	8
9	N125C	max	-646.798	3	3529.753	21	1734.999	21	0	6	0	12	0	12
10		min	-3005.265	21	739.658	3	373.501	3	0	12	0	6	0	6
11	N126B	max	3018.527	17	3545.096	17	1742.727	17	0	8	0	8	0	8
12		min	701.445	11	802.711	11	404.967	11	0	2	0	2	0	2
13	Totals:	max	3742.291	10	7223.72	15	3786.534	1						
14		min	-3742.296	4	3790.069	9	-3786.536	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M69	HSS4X4X4	.274	7.259	23	.060	4.023	y	13	103874....	139518	16.181	16.181	1....	H1-1b
2	M78	HSS4X4X4	.271	7.259	24	.060	4.023	y	21	103874....	139518	16.181	16.181	1....	H1-1b
3	M87	HSS4X4X4	.277	7.259	14	.060	4.023	y	17	103874....	139518	16.181	16.181	1....	H1-1b
4	M96	HSS4X4X4	.182	0	20	.052	0	y	3	58498.0...	139518	16.181	16.181	2....	H1-1b
5	M97	HSS4X4X4	.177	0	17	.051	0	y	12	58498.0...	139518	16.181	16.181	2....	H1-1b
6	M98	HSS4X4X4	.174	0	13	.055	0	y	8	58498.0...	139518	16.181	16.181	2....	H1-1b
7	MP4A	PIPE_2.0	.248	2.391	9	.069	2.391		8	13511.2...	32130	1.872	1.872	4....	H1-1b
8	MP3A	PIPE_2.0	.269	2.391	10	.061	2.391		8	13511.2...	32130	1.872	1.872	3....	H1-1b
9	MP2A	PIPE_2.0	.302	2.391	3	.058	2.391		4	13511.2...	32130	1.872	1.872	3....	H1-1b
10	MP1A	PIPE_2.0	.317	2.391	4	.074	2.391		2	13511.2...	32130	1.872	1.872	4....	H1-1b
11	MP4C	PIPE_2.0	.243	2.391	6	.070	2.391		8	13511.2...	32130	1.872	1.872	3....	H1-1b

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc ...	phi*Pnt [...	phi*Mn ...	phi*Mn ...	Cb	Eqn
12	MP3C	PIPE_2.0	.275	2.391	7	.058	2.391		4	13511.2...	32130	1.872	1.872	2....	H1-1b
13	MP2C	PIPE_2.0	.278	2.391	12	.059	2.391		12	13511.2...	32130	1.872	1.872	3....	H1-1b
14	MP1C	PIPE_2.0	.309	2.391	12	.074	2.391		3	13511.2...	32130	1.872	1.872	4....	H1-1b
15	MP4B	PIPE_2.0	.233	2.391	2	.067	2.391		11	13511.2...	32130	1.872	1.872	4....	H1-1b
16	MP3B	PIPE_2.0	.264	2.391	2	.060	2.391		12	13511.2...	32130	1.872	1.872	3....	H1-1b
17	MP2B	PIPE_2.0	.292	2.391	8	.059	2.391		8	13511.2...	32130	1.872	1.872	2....	H1-1b
18	MP1B	PIPE_2.0	.312	2.391	8	.075	2.391		6	13511.2...	32130	1.872	1.872	3....	H1-1b
19	M55	PIPE_2.0	.131	0	8	.013	0		8	29810.2...	32130	1.872	1.872	2....	H1-1b
20	M56	PIPE_2.5	.157	12.01	12	.073	2.252		4	10952.9...	50715	3.596	3.596	1....	H1-1b
21	M57	PIPE_2.5	.162	12.01	8	.074	2.252		12	10952.9...	50715	3.596	3.596	1....	H1-1b
22	M58	PIPE_2.5	.156	12.01	4	.080	2.252		8	10952.9...	50715	3.596	3.596	1....	H1-1b
23	M71	L3X3X6	.191	1.049	8	.031	1.049	y	7	66694.4	68364	2.307	5.322	1....	H2-1
24	M72	L3X3X6	.180	1.049	12	.033	0	y	10	66694.4	68364	2.307	5.322	1....	H2-1
25	M73	L3X3X6	.174	1.049	4	.042	0	y	27	66694.4	68364	2.307	5.322	1....	H2-1
26	M74	LL3x3x3x3	.107	0	13	.003	0	y	2	47395.0...	70632	5.543	3.751	1	H1-1b*
27	M75	LL3x3x3x3	.104	0	21	.003	0	z	12	47395.0...	70632	5.543	3.751	1	H1-1b*
28	M76	LL3x3x3x3	.105	0	17	.004	5.657	z	8	47395.0...	70632	5.543	3.751	1	H1-1b*
29	M83A	PIPE_2.0	.009	0	4	.001	0		4	29810.2...	32130	1.872	1.872	2....	H1-1b

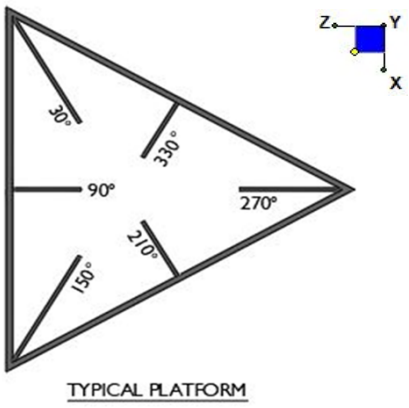
Client:	Verizon	Date:	1/5/2021
Site Name:	Trumbull SE 4		
Project No.	20777302A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

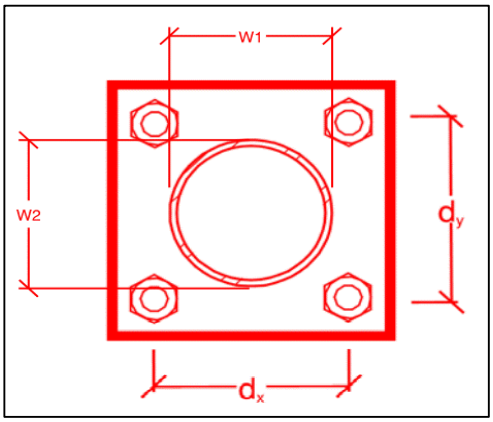
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N88	270
N100	30
N112	150



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)* :	3
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.75
Required Tensile Strength (kips):	13.8
Required Shear Strength (kips):	2.3
Tensile Strength / bolt (kips):	29.8
Shear Strength / bolt (kips):	17.9
Tensile Capacity Overall:	**11.6%***
Shear Capacity Overall:	**3.3%**



**Note: Tension reduction not required if tension or shear capacity < 30%*

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	6
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.5
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	1.02
Plate Bending Capacity:	**58.2%**
Weld Capacity:	**24.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	7.1
Phi*Mn_{xx} *(kip-in)* :	12.2
Mu_{yy} *(kip-in)* :	0.0
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 TES 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 TES 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 TES.

    - 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 TES 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 TES 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 TES 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:

1. Contractor to reroute the safety climb cable and install safety climb cable guide (SitePro1 Part #115-352 or EOR approved equivalent). Contractor to provide photos of safety climb cable guide installation.
2. Install (1) new OVP on to the OVP mount pipe between beta and gamma sector.

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: 469122-VZW - Trumbull SE 4

Sector: **A**

Structure Type: Monopole

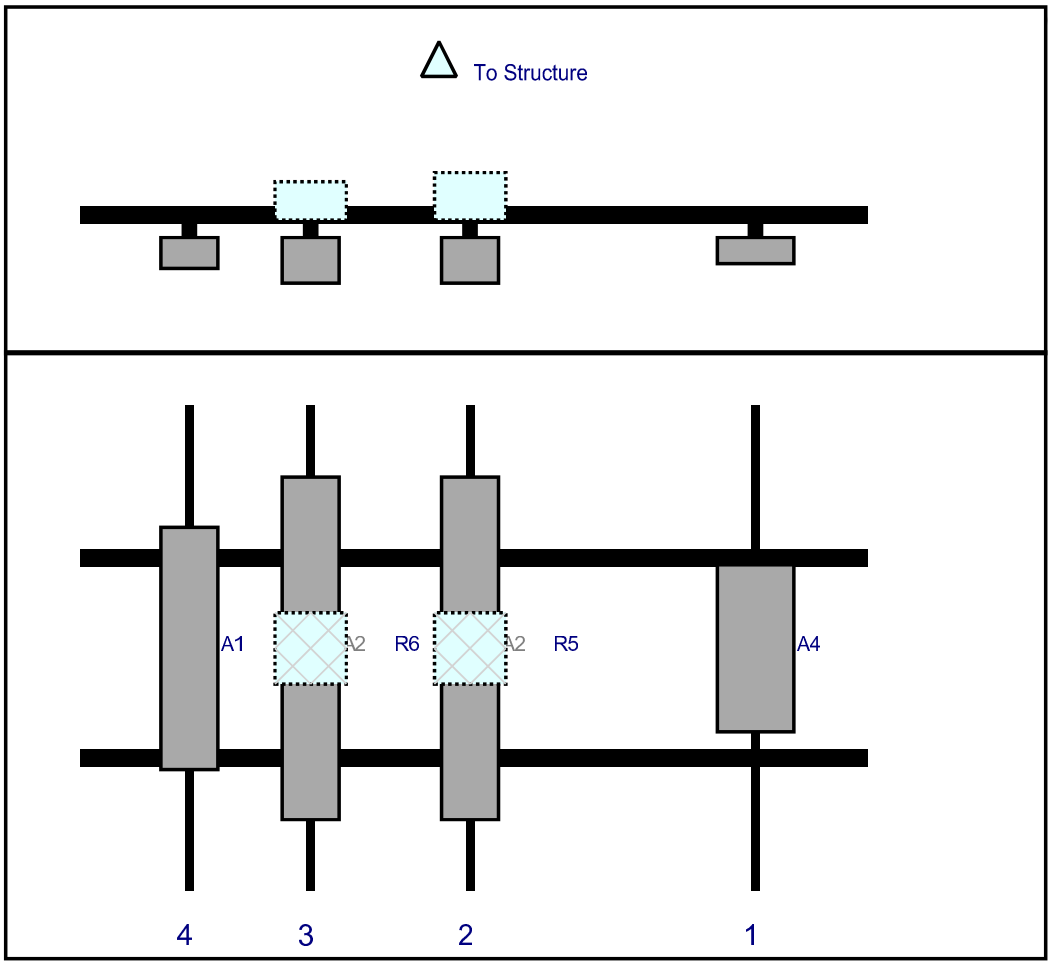
Mount Elev: 78.00

1/5/2021

MASER CONSULTING CONNECTICUT

Plan View

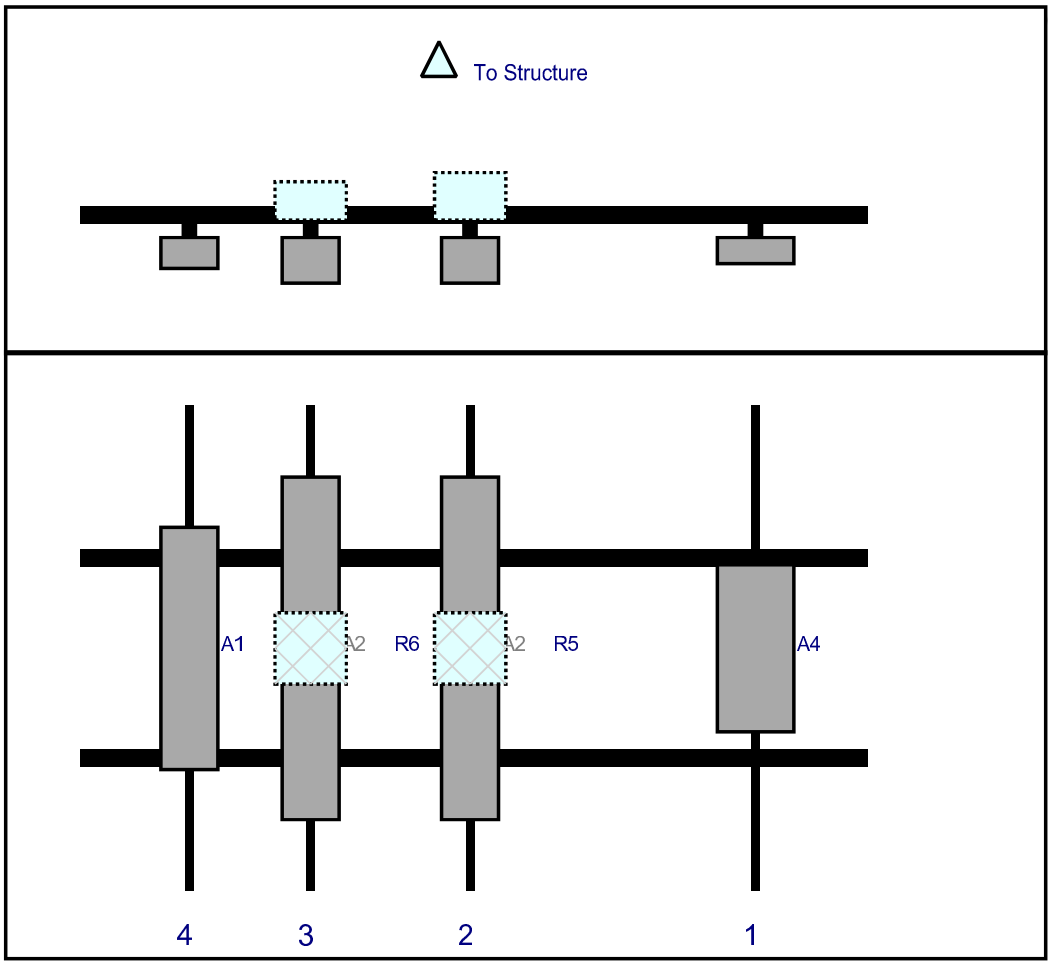
Front View
Looking at Structure



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
A4	Licensed Sub 6 Antennas	35.1	16.1	142	1	a	Front	51	0	Added	
A2	QS6656-5D	72	12	82	2	a	Front	51	0	Added	
R5	B2/B66A RRH-BR049	15	15	82	2	a	Behind	51	0	Added	
A2	QS6656-5D	72	12	48.5	3	a	Front	51	0	Added	
R6	B5/B13 RRH-BR04C	15	15	48.5	3	a	Behind	51	0	Added	
A1	HBXX-6516DS-A2M	50.9	12	23	4	a	Front	51	0	Retained	10/28/2020

Plan View

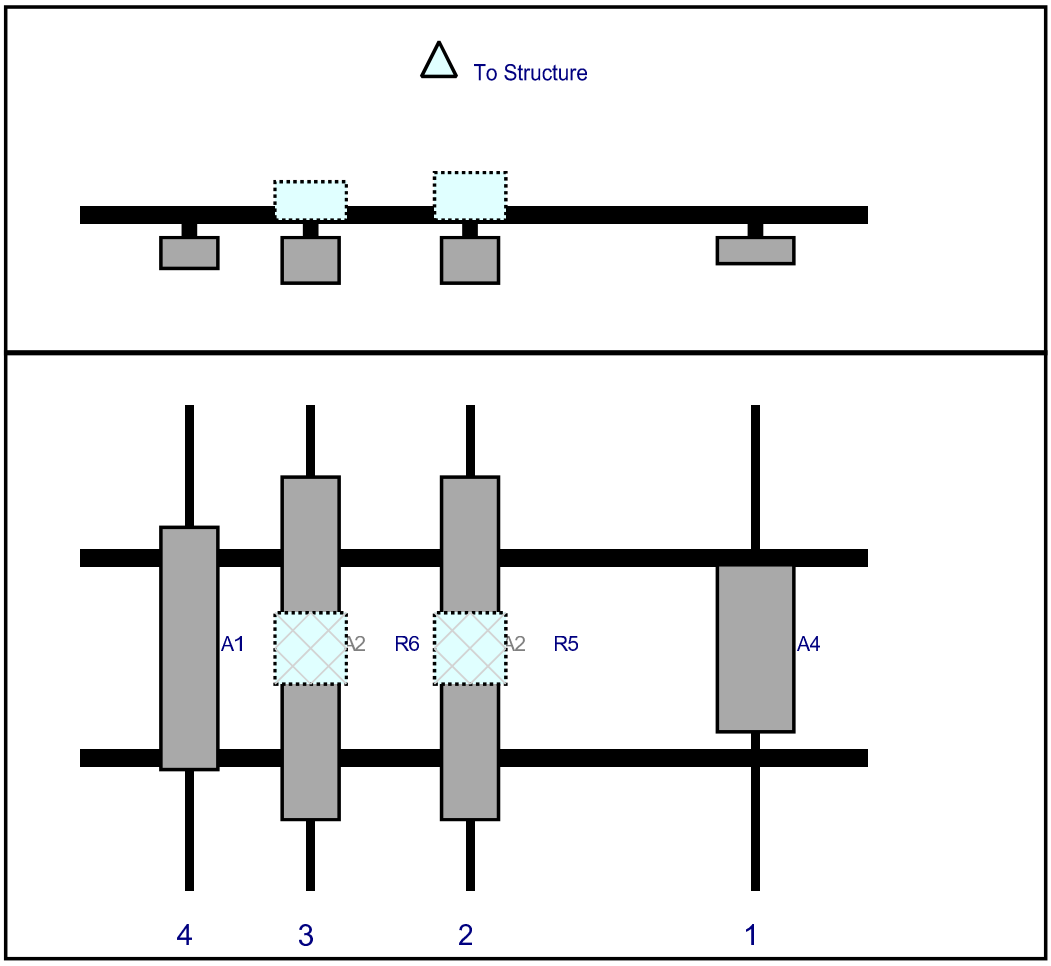
Front View
Looking at Structure



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
A4	Licensed Sub 6 Antennas	35.1	16.1	142	1	a	Front	51	0	Added	
A2	QS6656-5D	72	12	82	2	a	Front	51	0	Added	
R5	B2/B66A RRH-BR049	15	15	82	2	a	Behind	51	0	Added	
A2	QS6656-5D	72	12	48.5	3	a	Front	51	0	Added	
R6	B5/B13 RRH-BR04C	15	15	48.5	3	a	Behind	51	0	Added	
A1	HBXX-6516DS-A2M	50.9	12	23	4	a	Front	51	0	Retained	10/28/2020

Plan View

Front View
Looking at Structure



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R6	B5/B13 RRH-BR04C	15	15	48.5	3	a	Behind	51	0	Added	
A1	HBXX-6516DS-A2M	50.9	12	23	4	a	Front	51	0	Retained	10/28/2020

Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 469122 Site Name: **Trumbull SE 4** Carrier Name: Verizon Wireless Address: 60 Commerce Dr Trumbull, Connecticut 06611 Fairfield County Latitude: 41.245600˚ Longitude: -73.145558˚
Structure Information	Tower Type: 82-Ft Monopole Mount Type: 14-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. The 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 tower site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Dejian Xu

Dejian, Xu, PE
Technical Specialist

MASER CONSULTING
— CONNECTICUT—

331 Newman Springs Road, Suite 203
Red Bank, NJ 07701
T: 732.383.1950
www.maserconsulting.com

March 29, 2021

Mr. Andrew Leone
Verizon Wireless
20 Alexander Dr.
Wallingford, CT 06492

Re: Verizon Wireless antenna Model Clarification for CT Siting Council

Dear Mr. Leone,

This letter is intended to clarify and confirm the antenna naming convention used by Verizon Wireless as a part of an antenna upgrade project on numerous wireless facilities.

The antenna naming convention "Licensed Sub-6, L-Sub6, nL-Sub6, VZS01" and any other slight variants refer to the 64T64RMMU antenna manufactured by Samsung Electronics. These names are interchangeable and are used in various documents, including but not limited to the "Antenna Mount Analysis".

If you have any questions or comments, or require additional information, please do not hesitate to contact me.

Very truly yours,
MASER CONSULTING CONNECTICUT

Petros Toukalas
Connecticut Professional Engineer
License Number: 32577

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).

verizon✓

MOUNT MODIFICATION DRAWINGS
EXISTING 14.00' PLATFORM MOUNT

SITE NAME: TRUMBULL SE 4
SITE NUMBER: 469122

60 COMMERCE DR
TRUMBULL, CT 06611
FAIRFIELD COUNTY

PROJECT INFORMATION

SITE INFORMATION	
LATITUDE:	41.245600° N
LONGITUDE:	73.145558° W
JURISDICTION	FAIRFIELD COUNTY
APPLICANT/LESSEE	
COMPANY	VERIZON WIRELESS
CLIENT REPRESENTATIVE	
COMPANY	VERIZON WIRELESS
ADDRESS	118 FLANDERS ROAD, 3RD FLOOR
CITY, STATE, ZIP	WESTBOROUGH, MA 01518
CONTACT	ANDREW CANDIELLO
E-MAIL	ANDREW.CANDIELLO@VERIZONWIRELESS.COM
PROJECT MANAGER	
COMPANY	MASER CONSULTING CONNECTICUT
CONTACT	GREG DULNIK
PHONE	(615) 686-2575
E-MAIL	GDULNIK@MASERCONSULTING.COM

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	BILL OF MATERIALS
S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
S-5	MODIFICATION DETAILS
S-6	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #	10030192
VZW LOCATION CODE (PSLC)	469122
FUZE ID	16231964

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #	10018013
MASER CONSULTING PROJECT #	20777302A
ANALYSIS DATE	12/11/2020

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SCALE:	JOB NUMBER
AS SHOWN	20777302A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	1/13/2021	ISSUED FOR CONSTRUCTION	MSG	DX

STATE OF CONNECTICUT · DEJIAN XU · No. 33733 · LICENSED PROFESSIONAL ENGINEER
01/13/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
TRUMBULL SE 4
469122
60 COMMERCE DR
TRUMBULL, CT 06611
FAIRFIELD 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

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
12	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE	
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKETS	
1		VZWSMART-PLK5	KICKER KIT ASSEMBLY	FINAL LENGTH TO BE DETERMINED IN FIELD, CONTRACTOR TO TRIM AS REQUIRED
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
3	-	-	173" LONG, P2.5 STD PIPE	GALVANIZED
3	-	-	15" LONG, L3X3X3/8 ANGLE	FINAL LENGTH TO BE DETERMINED IN FIELD, CONTRACTOR TO TRIM AS REQUIRED

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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SCALE: AS SHOWN
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STATE OF CONNECTICUT
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SITE NAME:
TRUMBULL SE 4
469122
60 COMMERCE DR
TRUMBULL, CT 06611
FAIRFIELD COUNTY

MT. LAUREL OFFICE
3000 Atlantic 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 = 119 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY I

d. MEAN BASE ELEVATION (AMSL) = 168.03'

ICE LOADS

a. ICE WIND SPEED (3 SECOND GUST), V = 50 MPH

b. ICE THICKNESS = 1.0 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_s = .206

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 GDULNIK@MASERCONSULTING.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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SCALE: AS SHOWN — JOB NUMBER: 20777302A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	1/13/2021	ISSUED FOR CONSTRUCTION	MSG	DX

STATE OF CONNECTICUT — DEJIAN XU — No. 33733 — LICENSED PROFESSIONAL ENGINEER
01/13/2021

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:
TRUMBULL SE 4
469122
60 COMMERCE DR
TRUMBULL, CT 06611
FAIRFIELD 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:

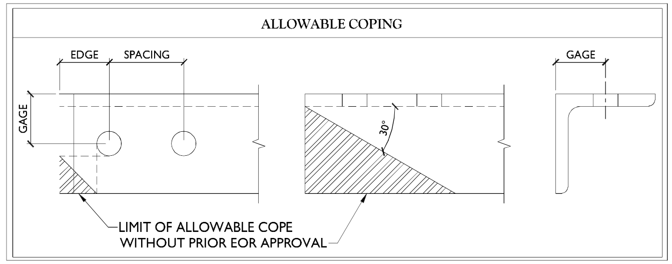
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

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.

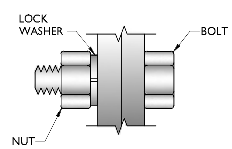


BOLT SCHEDULE (IN.)

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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STATE OF CONNECTICUT DEJIAN XU LICENSED PROFESSIONAL ENGINEER No. 33733
01/13/2021

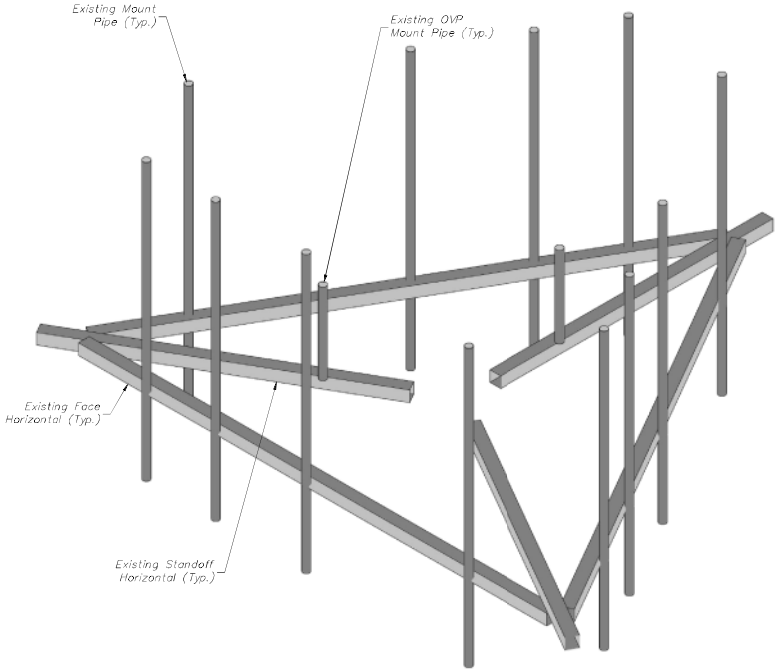
SITE NAME:
TRUMBULL SE 4
469122
60 COMMERCE DR
TRUMBULL, CT 06611
FAIRFIELD COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

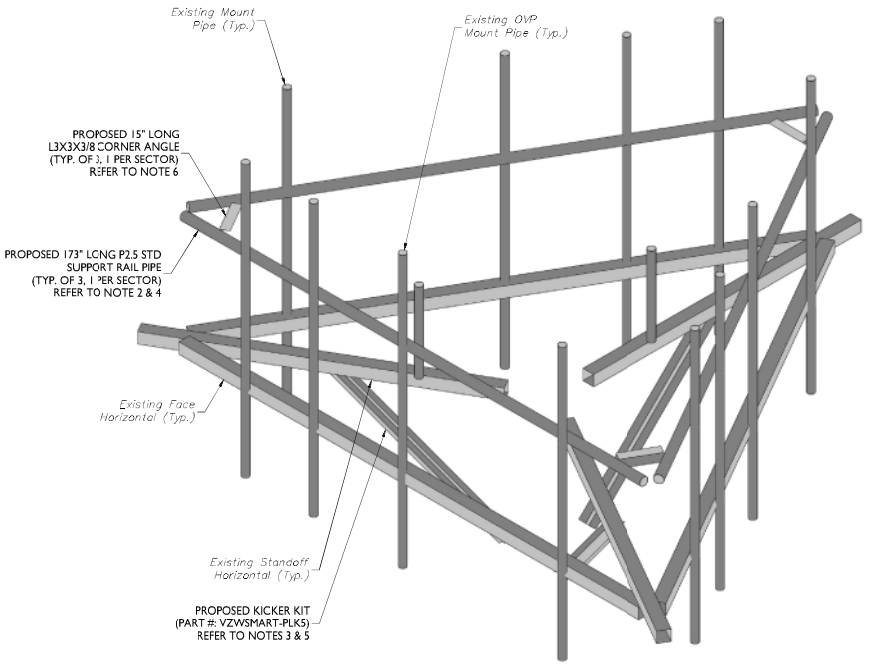
SHEET NUMBER: S-3

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 DELTA OAKS GROUP ON 10/28/20, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (78'-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. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
4. CONNECT PROPOSED SUPPORT TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
5. TRIM ANGLE MEMBER AS REQUIRED FOR INSTALLATION.
6. CONNECT L3X3X3/8 CORNER ANGLE TO PROPOSED SUPPORT RAIL PIPES WITH SUPPORT RAIL BRACKETS (PART #: VZWSMART-PLK3).

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DEJIAN XU
LICENSED PROFESSIONAL ENGINEER
01/13/2021

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SITE NAME:

TRUMBULL SE 4
469122

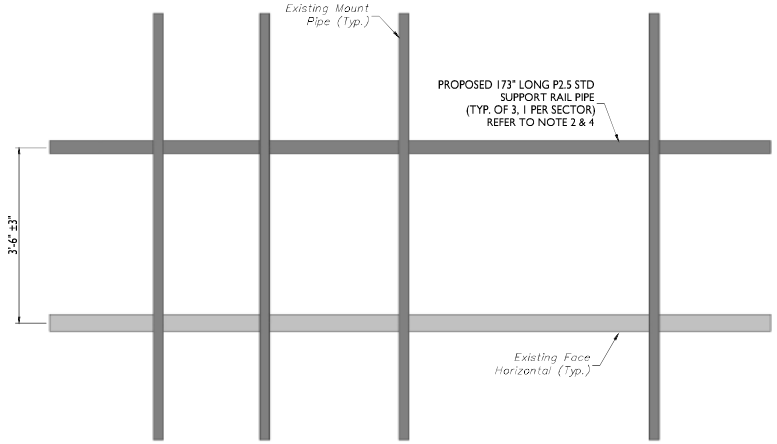
60 COMMERCE DR
TRUMBULL, CT 06611
FAIRFIELD COUNTY

MT. LAUREL OFFICE
3000 Atlantic Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION DETAILS

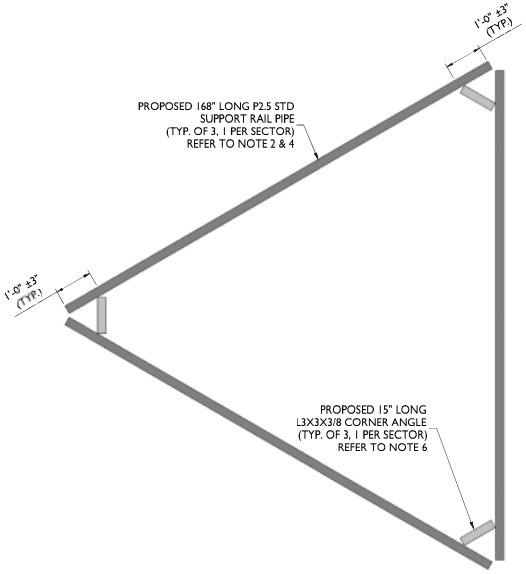
SHEET NUMBER:
S-4

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



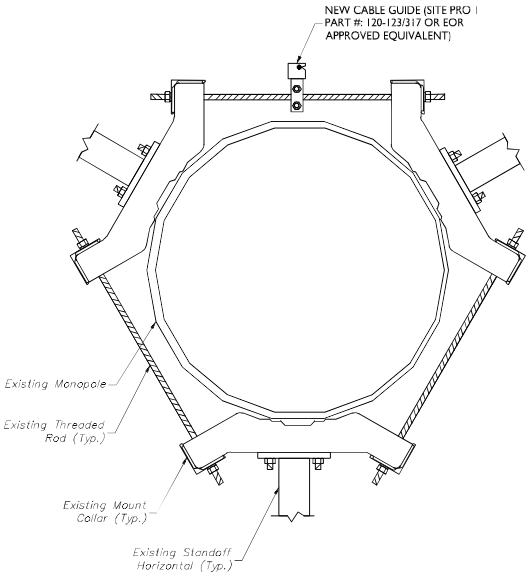
1 PROPOSED FRONT ELEVATION VIEW (TYP. ALL SECTORS)

SCALE : N.T.S.

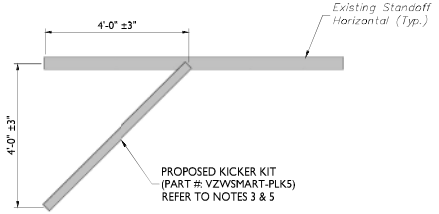


2 PROPOSED FRAME PLAN VIEW

SCALE : N.T.S.



4 CABLE GUIDE THREADED ROD ATTACHMENT - PLAN VIEW



3 PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)

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. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).
4. CONNECT PROPOSED SUPPORT TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).
5. TRIM ANGLE MEMBER AS REQUIRED FOR INSTALLATION.
6. CONNECT L3X3X3/8 CORNER ANGLE TO PROPOSED SUPPORT RAIL PIPES WITH SUPPORT RAIL BRACKETS (PART #: VZWSMART-PLK3).

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469122

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TRUMBULL, CT 06611
FAIRFIELD COUNTY

MT. LAUREL OFFICE
3000 Atrium Drive
Suite 100
Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-5

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

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-	-	-	-	-
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01/13/2021

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2000 Midlantic Drive
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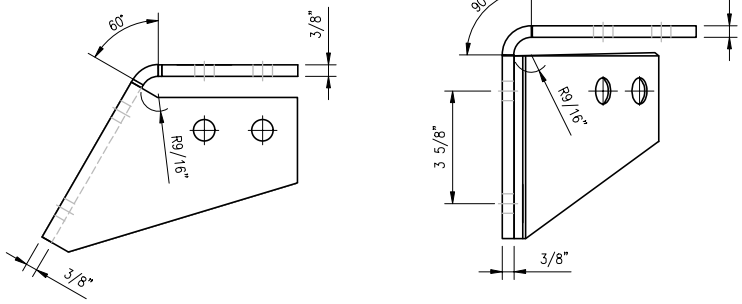
SHEET TITLE:
MOUNT PHOTOS

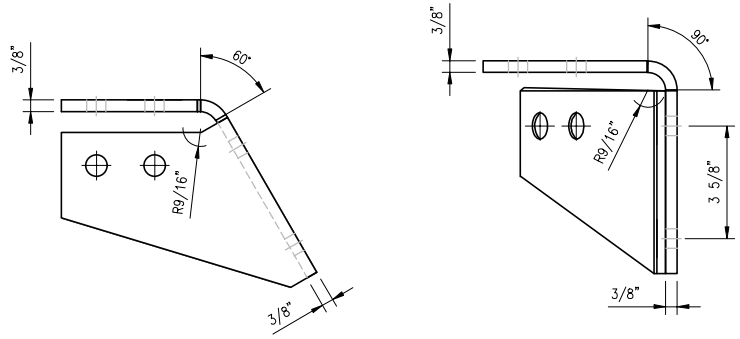
SHEET NUMBER:
S-6

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



TOP VIEW SIDE VIEW

CBP-L



TOP VIEW SIDE VIEW

CBP-R

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

VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

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

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DRAWN BY: H.R | CHECKED BY: HMA

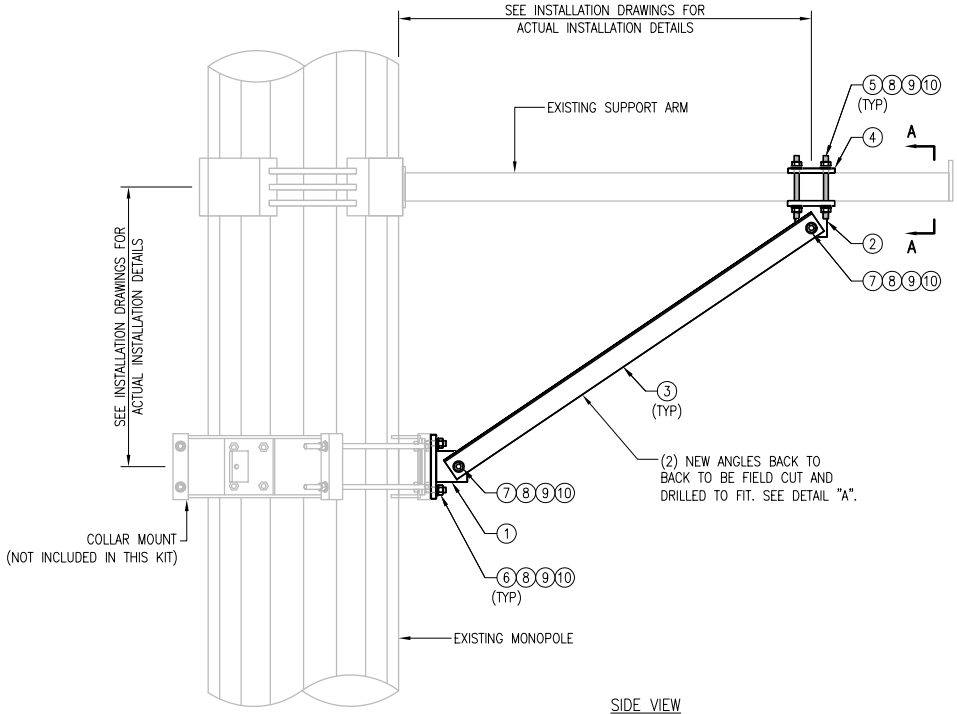
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-PLK3
SUPPORT RAIL CORNER BRACKET

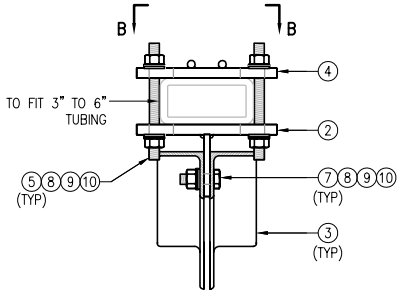
SHEET NUMBER: VZWSMART-PLK3

REV #: 0

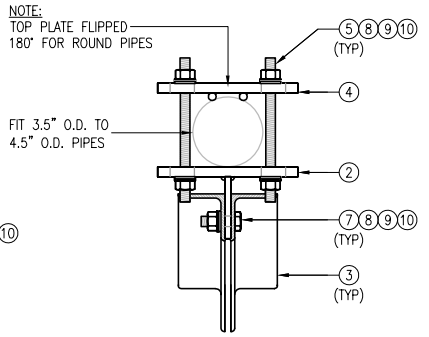
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



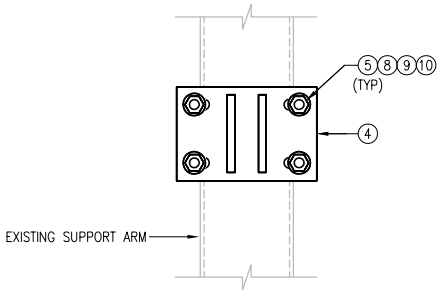
SIDE VIEW
KICKER KIT



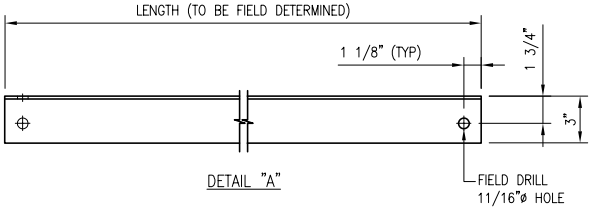
SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



SECTION "B-B"



DETAIL "A"

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

VZWSMART-PLK5 (KICKER KIT)

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

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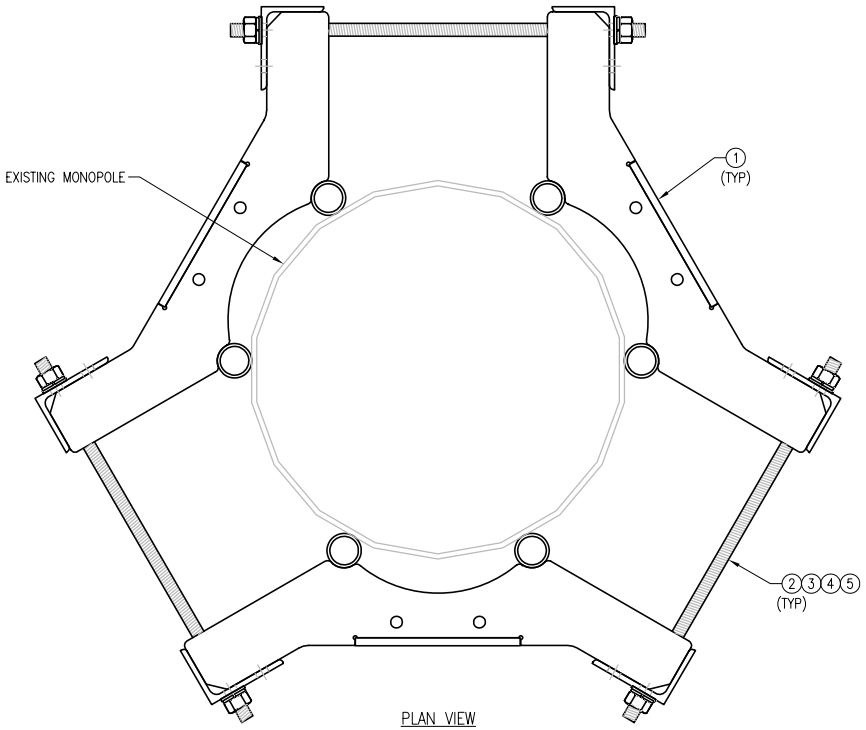
DRAWN BY: MN | CHECKED BY: HMA/KW

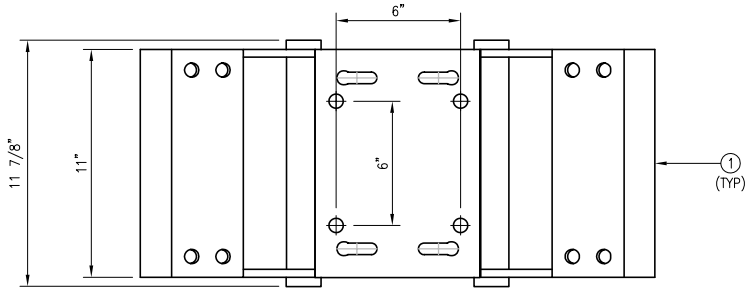
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5
REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

VzW SMART Tool© Vendor

verizon

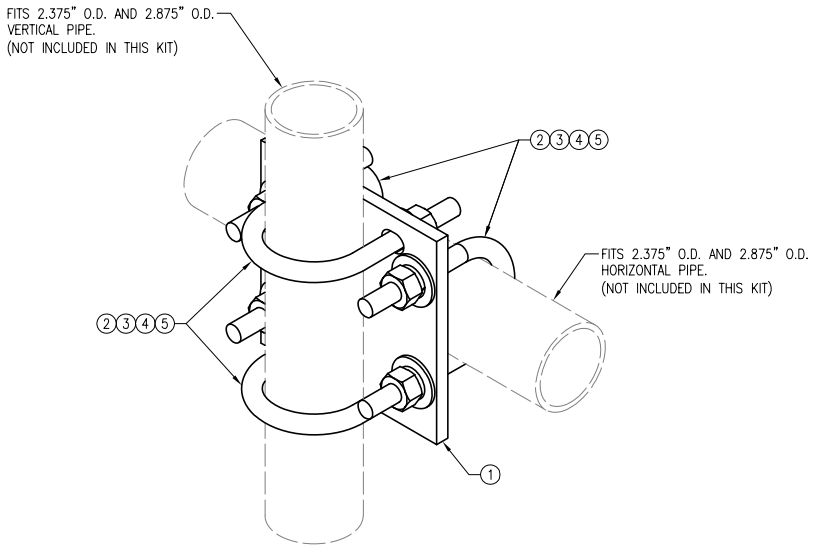
DRAWN BY: BT | CHECKED BY: HMA/KW

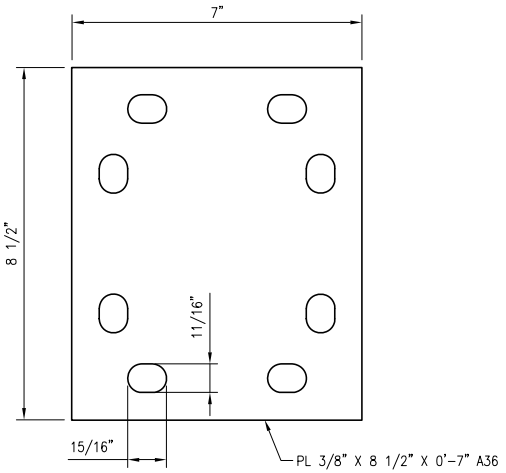
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0





PL375-857

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

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

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verizon

DRAWN BY: H.R	CHECKED BY: HMA

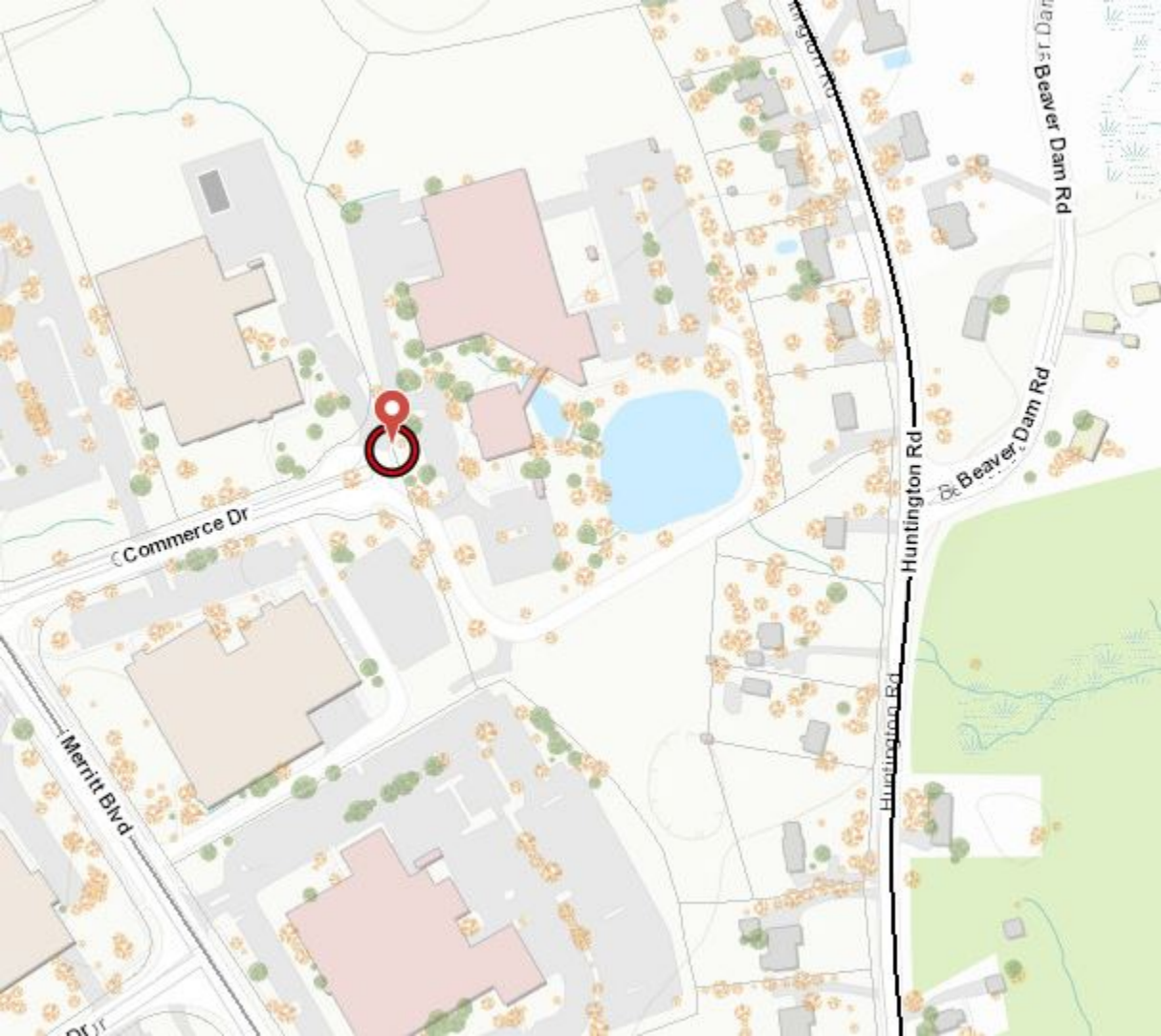
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:

VZWSMART-MSK1
CROSSOVER PLATE

SHEET NUMBER:	REV #:
VZWSMART-MSK1	0

ATTACHMENT 5


Commerce Dr
Merritt Blvd
Huntington Rd
Beaver Dam Rd

TRUMBULL,CT

56 COMMERCE DRIVE

Location
56 COMMERCE DRIVE
Mblu
K/09 / 00020/ 000/
Acct#
Owner
MAKE-A-WISH FOUNDATION OF CT INC
Assessment
$1,735,860
Appraisal
$2,479,800
PID
8889
Building Count
1
Fire District
N

Current Value

Appraisal

Valuation Year	Total
2015	$2,479,800

Assessment

Valuation Year	Total
2015	$1,735,860

Owner of Record

Owner MAKE-A-WISH FOUNDATION OF CT INC
Co-Owner
Address 56 COMMERCE DR
TRUMBULL, CT 06611-5403
Sale Price $2,100,000
Book & Page 1787/ 291
Sale Date 06/06/2019
Instrument

Ownership History

Ownership History

Owner	Sale Price	Book & Page	Instrument	Sale Date
MAKE-A-WISH FOUNDATION OF CT INC	$2,100,000	1787/ 291		06/06/2019
CITY PARK COMMERCE DRIVE LLC &	$4,450,000	1666/ 601		06/25/2014
PILOT CORP OF AMERICA	$0	470/ 50		10/13/1982

Building Information
Building 1 : Section 1
Year Built: 1983
Living Area: 16,338

Building Attributes

Field	Description
STYLE	Office Bldg
Stories:	2 Stories
Occupancy	1
Exterior Wall 1	Brick Veneer

ATTACHMENT 6

TRUMBULL SE 4

Certificate of Mailing — Firm

UNITED STATES POSTAL SERVICE®

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	neopost 08/12/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Vicki A. Tesoro, First Selectman Town of Trumbull 5866 Main Street Trumbull, CT 06611				
2.	Roberto Librandi, Land Use Planner Town of Trumbull 5866 Main Street Trumbull, CT 06611				
3.	Make-A-Wish Foundation of CT Inc. 56 Commerce Drive Trumbull, CT 06611				
4.					
5.					
6.					

OLD STATE HOUSE STATION 06103
AUG 12 2021
USPS

See Reverse for Instructions