

July 15, 2024

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

Re: **EM-VER-011-220726 and EM-VER-011-231122 – Cellco Partnership d/b/a Verizon  
Wireless Telecommunications Facility, 785 Park Avenue, Bloomfield, Connecticut**

**Completion of Construction – Bloomfield 3 (LS6 and Filter Add)**

Dear Attorney Bachman:

The purpose of this letter is to notify the Siting Council that construction activity associated with both of the facility modification filings referenced above has been completed. Because these modifications were all completed at the same time, the November 16, 2021, Mount Analysis (“MA”) included in the EM-VER-011-220726 filing has been superseded by subsequent MAs as referenced in the attached PE letter from All-Points Technology Corp. (“APT”).

According to the APT letter dated May 29, 2024, all of the facility modifications were constructed in accordance with the final construction drawings dated September 8, 2023; the SA dated August 25, 2023, and the MA reports dated June 9, 2023, and July 20, 2023. Photographs of the completed improvements are also attached.

If you have any questions or need any additional information regarding this facility, please do not hesitate to contact me.

Sincerely,



Kenneth C. Baldwin

Attachment  
Copy to:  
Aleksey Tyurin



May 29, 2024

Verizon Wireless  
20 Alexander Drive  
Wallingford, CT 06492

**RE: Wireless Communications Modification Certification**  
Bloomfield 3 CT  
785 Park Avenue, Bloomfield, CT 06002

**Tower Owner:** Town of Bloomfield

VZ Project/Loc Code: 20212234137/468782  
VZ FUZE I.D.: 16272375  
APT Filing No. CT141\_12570

**CSC Exempt Mod Reference No.:** EM-VER-011-220726 (LS6) & EM-VER-011-231122 (Filter Add)

To Whom It May Concern,

All-Points Technology Corporation, P.C. (APT) is providing this 'Wireless Communications Modification Certification' with regard to the structural components at the above referenced project.

The following are the basis for substantiating compliance with the equipment modification documents prepared by All-Points Technology Corporation, P.C.:

- Antenna Mount Post-Modification Inspection (PMI) Report (2<sup>nd</sup> PMI) prepared by Colliers Engineering & Design, dated 05/10/2024; and
- Field observations conducted by others on 1/08/2024 for the completed modifications, which determined that all modifications were installed in compliance with the recommendations of the aforementioned design documents; and
- Review of Construction Drawings, marked Rev 6, prepared by APT dated 09/08/2023; and
- Review of Tower Structural Analysis Report prepared by APT, marked Rev 4, dated 08/25/2023; and
- Review of Antenna Mount Analysis Report and PMI Requirements (Filter Add) prepared by Colliers Engineering & Design, dated 07/20/2023.
- Review of Post-Modification Antenna Mount Analysis Report and PMI Requirements (LS6), marked Rev 1, prepared by Colliers Engineering & Design, dated 06/09/2023.

The work under this Contract has been reviewed and found, to the Engineer's best knowledge, information and belief, to be completed in general compliance with the documents referenced above. This certification is not a review of the adequacy or effectiveness of any modification/reinforcement solution.

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

A handwritten signature in black ink, appearing to read "Michael Trodden".

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



**ALL-POINTS TECHNOLOGY CORPORATION, P.C.**

567 VAUXHALL STREET EXTENSION · SUITE 311 · WATERFORD, CT 06385 · PHONE 860-663-1697



3.8.2024 14:54



3.8.2024 14:03

Raycap



3.18.2024 08:48

# verizon

## WIRELESS COMMUNICATIONS FACILITY

### BLOOMFIELD 3 CT 785 PARK AVENUE BLOOMFIELD, CT 06002

#### DRAWING INDEX

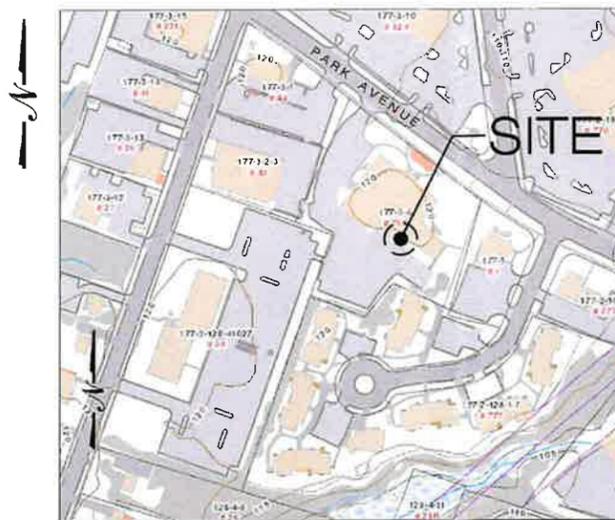
- T-1 TITLE SHEET
- C-1 COMPOUND PLAN, TOWER ELEVATION, EQUIPMENT CONFIGURATION PLANS & ELEVATIONS.
- B-1 RF BILL OF MATERIALS, MECHANICAL SPECIFICATIONS & EQUIPMENT DETAILS.
- N-1 NOTES & SPECIFICATIONS

#### SITE DIRECTIONS

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

**END: 785 PARK AVENUE  
BLOOMFIELD, CT 06002**

- |  |         |
|--|---------|
| 1. HEAD SOUTH TOWARDS ALEXANDER DRIVE                            | 279 FT  |
| 2. SLIGHT RIGHT TOWARDS ALEXANDER DRIVE                          | 289 FT  |
| 3. TURN RIGHT TOWARDS ALEXANDER DRIVE                            | 167 FT  |
| 4. TURN RIGHT ONTO ALEXANDER DRIVE                               | 0.3 MI  |
| 5. TURN RIGHT ONTO BARNES INDUSTRIAL RD S.                       | 0.1 MI  |
| 6. TURN LEFT ONTO CT-68 E  | 1.6 MI  |
| 7. CONTINUE STRAIGHT TO STAY ON CT-68 E                          | 0.2 MI  |
| 8. SHARP LEFT TO MERGE ONTO I-91 N TOWARD HARTFORD               | 0.3 MI  |
| 9. MERGE ONTO I-91 N   | 21.5 MI |
| 10. TAKE EXIT 36 FOR CT-178/PARK AVE. TOWARD BLOOMFIELD          | 0.2 MI  |
| 11. TURN LEFT ONTO CT-178/PARK AVE.                              | 2.4 MI  |
| 12. SLIGHT LEFT TO STAY ON CT-178 W                              | 0.5 MI  |
| 13. TAKE RIGHT TO STAY ON CT-178 W (DESTINATION WILL BE ON LEFT) | 1.5 MI  |



**LOCATION MAP**  
SCALE: 1" = 400'-0"

#### SITE INFORMATION

VZ SITE NAME: BLOOMFIELD 3 CT  
VZ PROJ FUZE I.D.: 16272375  
VZ LOCATION CODE: 468782  
VZ PROJECT CODE: 20212234137  
LOCATION: 785 PARK AVENUE  
BLOOMFIELD, CT 06002

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

MAP-BLOCK-LOT: 177-3-6

ZONING DISTRICT: BCD (BUSINESS)

LATITUDE: 41° 49' 42.63" N (41.8285083° N)

LONGITUDE: 72° 44' 01.09" W (72.7336361° W)

SITE COORDINATES AND GROUND ELEVATION OBTAINED FROM GOOGLE EARTH.

GROUND ELEVATION: 118± AMSL

PROPERTY OWNER: TOWN OF BLOOMFIELD  
C/O POLICE STATION  
800 BLOOMFIELD AVE.  
BLOOMFIELD, CT 06002

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

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

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

VERIZON SMART TOOL PROJECT #: 10044566; 10115591

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.ALLPOINTS-TECH.COM FAX: (860)-663-0935

#### CONSTRUCTION DOCUMENTS

NO.	DATE	REVISION
0	08/06/21	FOR REVIEW: JRM
1	01/25/22	FOR FILING: JRM
2	01/28/22	FOR FILING: JRM
3	08/14/23	REV. TO ORAN RRRHS FOR FILING: JRM
4	08/10/23	FILTER ADD: FOR FILING: JRM
5	08/25/23	REV. RFD: FOR FILING: JRM
6	09/08/23	FOR FILING: JRM



#### 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: TOWN OF BLOOMFIELD  
C/O POLICE STATION  
ADDRESS: 800 BLOOMFIELD AVE.  
BLOOMFIELD, CT 06002

#### BLOOMFIELD 3 CT

SITE: 785 PARK AVENUE

ADDRESS: BLOOMFIELD, CT 06002

APT FILING NUMBER: CT141\_12570

DRAWN BY: ELZ

DATE: 08/06/21 CHECKED BY: JRM

VZ PROJECT CODE: 20212234137

VZ LOCATION CODE: 468782

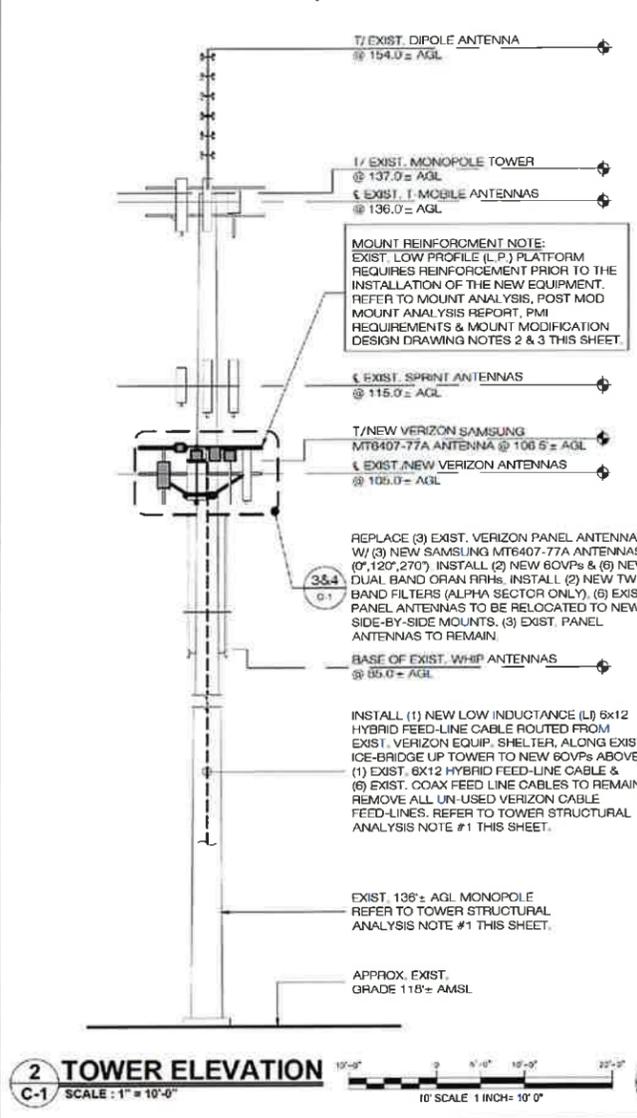
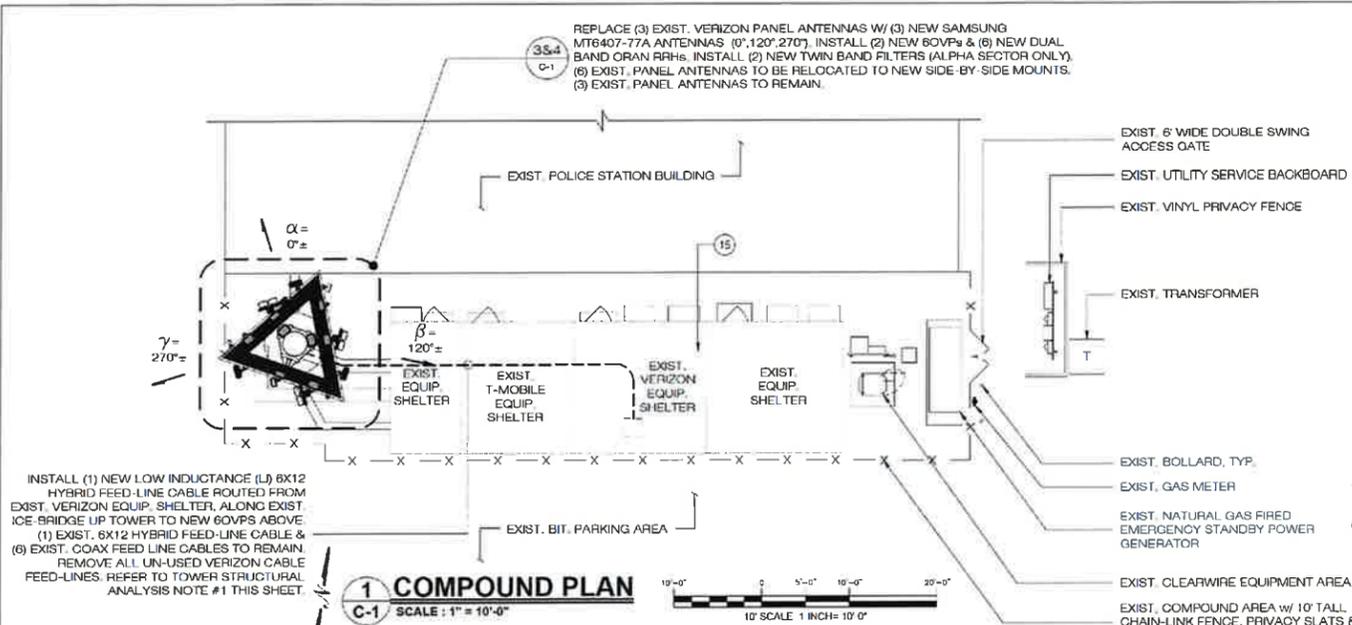
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SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

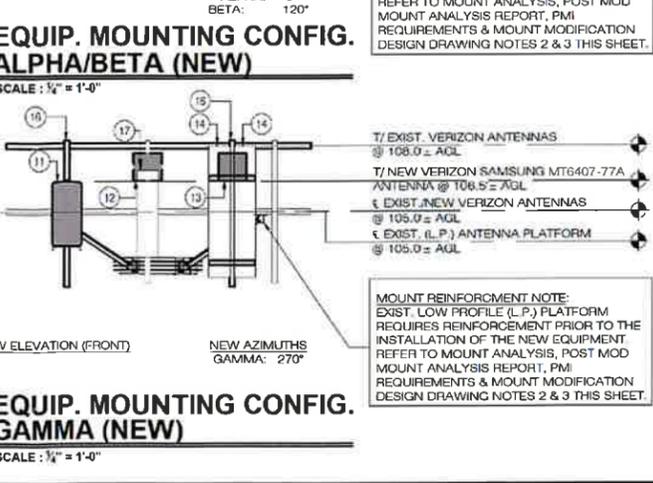
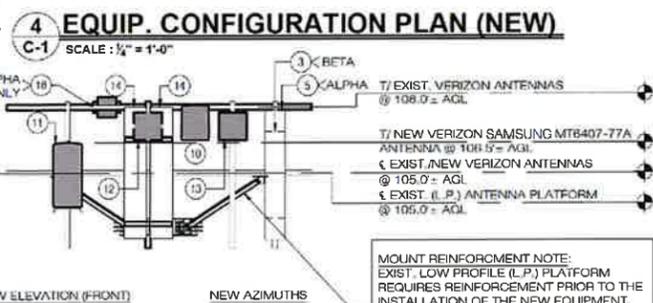
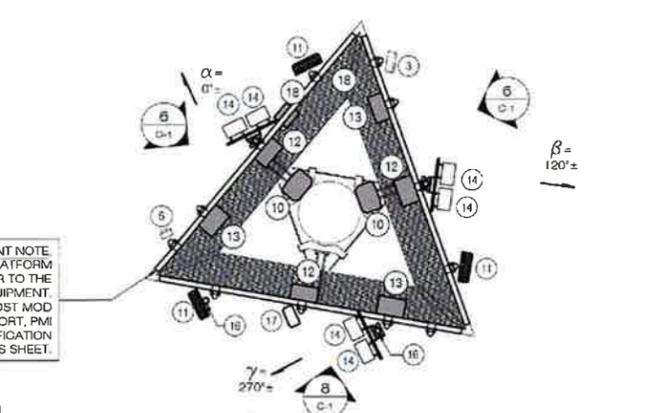
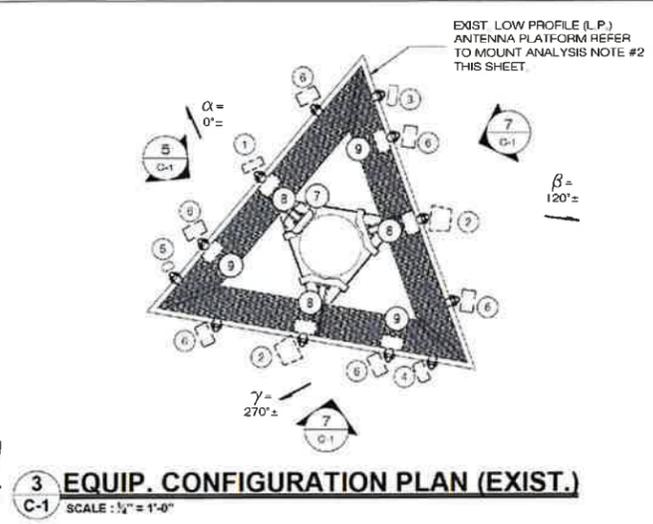
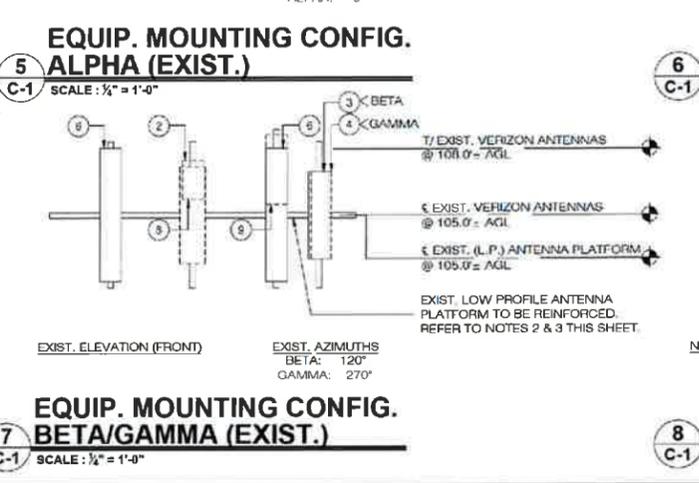
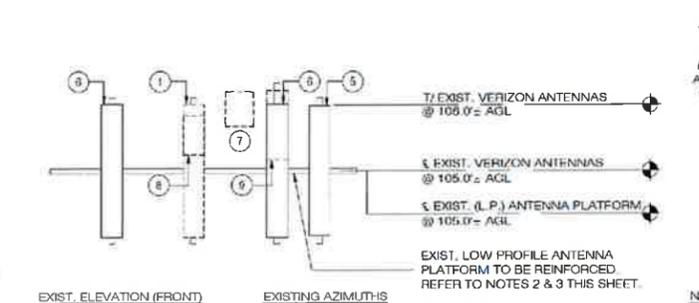
T-1



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

MOUNT REINFORCEMENT NOTE:  
EXIST. LOW PROFILE (L.P.) PLATFORM REQUIRES REINFORCEMENT PRIOR TO THE INSTALLATION OF THE NEW EQUIPMENT. REFER TO MOUNT ANALYSIS, POST MOD MOUNT ANALYSIS REPORT, PMI REQUIREMENTS & MOUNT MODIFICATION DESIGN DRAWING NOTES 2 & 3 THIS SHEET.



- NOTES
- REFER TO "TOWER STRUCTURAL ANALYSIS REPORT", PREPARED BY ALL-POINTS TECHNOLOGY CORPORATION, P.C., MARKED REV4, DATED 08/26/23 AVAILABLE UNDER SEPARATE COVER.
  - REFER TO "ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS", PREPARED BY COLLIER ENGINEERING AND DESIGN CT, PC PROJECT #2377717, DATED JULY 20, 2023, AVAILABLE UNDER SEPARATE COVER.
  - REFER TO "POST MODIFICATION ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS" & "MOUNT MODIFICATION DRAWINGS", PREPARED BY COLLIER ENGINEERING AND DESIGN, PROJECT #2177224 (REV1), DATED 06/09/23, AVAILABLE UNDER SEPARATE COVER.
  - BASE MAPPING FROM FIELD MEASUREMENTS TAKEN BY ALL-POINTS TECHNOLOGY CORPORATION, P.C. ON 06/23/21.
  - PROJECT SCOPE INCLUDES THE FOLLOWING:
    - REPLACEMENT OF (3) EXIST. PANEL ANTENNAS W/ (3) NEW SAMSUNG MT6407-77A ANTENNAS.
    - RELOCATION OF (6) EXIST. ANTENNAS TO NEW SIDE-BY-SIDE MOUNTS (COMMSCOPE BSAMNT-SBS-1-2).
    - REPLACEMENT OF (6) EXIST. RRHs W/ (6) NEW DUAL BAND ORAN RRHs.
    - REPLACEMENT OF (1) EXIST. 60VPS W/ (2) NEW 60VPS (TOWER).
    - REPLACEMENT OF (1) 60VPS W/ (1) NEW 120VP & RACK (VERIZON SHELTER).
    - INSTALLATION OF (1) NEW 6X12 LOW-INDUCTANCE (LI) HYBRID FEED-LINE CABLE.
    - REMOVAL OF ALL UNUSED VERIZON COAX CABLE FEED-LINES.
    - INSTALLATION OF (2) NEW TWIN BAND FILTERS (ALPHA SECTOR).
    - (1) EXIST. 6X12 HYBRID FEED-LINE CABLE TO REMAIN.
  - ALL EXPOSED STEEL AND HARDWARE TO BE HOT DIP GALV. (HDG). PAINT TO MATCH EXIST. (WHERE APPLICABLE).
  - CAP & WEATHERPROOF ALL UN-USED CABLE ENTRY PORTS (WHERE APPLICABLE).
  - MOUNT & GROUND ALL NEW EQUIPMENT IN ACCORDANCE WITH NEC (NFPA-70), NESC AND MANUFACTURERS SPECIFICATION.
  - SECURE ALL NEW ANTENNA CABLES PER MANUFACTURER RECOMMENDATIONS.
  - BOND NEW ANTENNA MOUNTING PIPES TO ANTENNA SECTOR GROUND BAR W/ # 2 AWG. BOW, (WHERE APPLICABLE).
  - 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.
  - ANTENNA CONFIGURATIONS SHOWN HEREIN ARE FRONT ELEVATIONS (UNLESS NOTED OTHERWISE).
  - ANTENNA SPACING DIMENSIONS ARE TO THE CENTER OF THE EXIST. ANTENNA AND PROP. ANTENNA FACE.
  - REFER TO THE FINAL RFDS PROVIDED BY VERIZON FOR THE LATEST INFORMATION REGARDING EQUIPMENT MODELS, REQUIRED CABLING & DOWN-TILT INFORMATION.
  - PAINT ALL LSUBS ANTENNAS TO MATCH EXISTING STRUCTURE (WHERE APPLICABLE). COORDINATE W/ LSUBS MANUFACTURER INSTALLATION MANUAL REQUIREMENTS, VERIZON CONSTRUCTION MANAGER & OWNER.
  - PAINT ALL NEW NON SAMSUNG MT6407-77A ANTENNAS & APPURTENANCES TO MATCH EXIST. STRUCTURE (WHERE APPLICABLE). COORDINATE W/ VERIZON CONSTRUCTION MANAGER & BUILDING OWNER.

- SCOPE OF WORK (ALL SECTORS)
- EXIST. ANTENNA (TO BE REPLACED)  
MODEL: ANTEL OXA-70063-6CF
  - EXIST. ANTENNA (TO BE REPLACED)  
MODEL: SHWEDCOM SLC-P 2x8014
  - EXIST. ANTENNA (TO REMAIN)  
MODEL: AMPHENOL BXA-80063-4BF
  - EXIST. ANTENNA (TO BE RELOCATED)  
MODEL: AMPHENOL BXA-80080-4CF
  - EXIST. ANTENNA (TO REMAIN)  
MODEL: AMPHENOL BXA-80060-6CF
  - EXIST. ANTENNA (TO BE RELOCATED ON NEW SIDE-BY-SIDE MOUNT P/N BSAMNT-SBS-1-2)  
MODEL: ANDREW SBNH-1D65B
  - EXIST. 6 OVP (TO BE REPLACED)  
MODEL: RAYCAP RFDCC-3315-PF-48 (V.I.F.)
  - EXIST. RRH (TO BE REPLACED)  
MODEL: NOKIA B13 RRH 4x30 700
  - EXIST. RRH (TO BE REPLACED)  
MODEL: NOKIA B4 RRH 2x60-4R
  - NEW 6 OVP  
MODEL: RAYCAP RVDCC-3315-PF-48 (V.I.F.)
  - NEW ANTENNA  
MODEL: SAMSUNG MT6407-77A
  - NEW DUAL BAND ORAN RRH  
MODEL: SAMSUNG B5B13 ORAN RRH (FF4410d-13A)
  - NEW DUAL BAND ORAN RRH  
MODEL: SAMSUNG B2B66A ORAN RRH (FF4439d-25A)
  - EXIST. RELOCATED ANTENNA  
MODEL: ANDREW SBNH-1D65B
  - EXIST. WALL MOUNTED 60VP (TO BE REPLACED)  
W/ (1) NEW 120VP MODEL: RAYCAP RVZDC-4520-RM-48 & NEW RACK
  - NEW P2.5 STD (0.D. = 2.875) x7 I.G. ANTENNA PIPE MAST, (GALV).  
CONNECT TO MAIN PIPE SUPPORT W/ STEPPED VZSMART-MSK3D DOUBLE PIPE TO PIPE CLAMP SET. (GAMMA ONLY)
  - EXIST. ANTENNA (RELOCATED)  
MODEL: AMPHENOL BXA-80080-4CF
  - NEW TWIN BAND 900 MHZ INTERFERENCE MITIGATION FILTER (ALPHA SECTOR ONLY)  
MODEL: KAELUS KA-6000

Verizon  
26 ALEXANDER DRIVE  
WALTON HILL, CT 06490

ALL-POINTS TECHNOLOGY CORPORATION  
567 VAUXHALL STREET EXTENSION - SUITE 311  
WATERFORD, CT 06455 PHONE: (860) 463-1697  
WWW.ALLPOINTS1TECH.COM FAX: (860) 463-0055

CONSTRUCTION DOCUMENTS

NO	DATE	REVISION
0	08/06/21	FOR REVIEW: JRM
1	01/25/22	FOR FILING: JRM
2	01/26/22	FOR FILING: JRM
3	06/14/23	REV. TO ORAN RRHs FOR FILING: JRM
4	08/10/23	FILTER ADD: FOR FILING: JRM
5	08/25/23	REV. RFDS: FOR FILING: JRM
6	09/06/23	FOR FILING: JRM

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 06455

OWNER: TOWN OF BLOOMFIELD  
C/O POLICE STATION  
ADDRESS: 800 BLOOMFIELD AVE. BLOOMFIELD, CT 06002

BLOOMFIELD 3 CT  
SITE: 785 PARK AVENUE  
ADDRESS: BLOOMFIELD, CT 06002  
APT FILING NUMBER: CT141\_12570  
DRAWN BY: ELZ  
DATE: 08/06/21 CHECKED BY: JRM  
VZ PROJECT CODE: 20212234137  
VZ LOCATION CODE: 468782  
VZ FUZE ID: 16272375

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

SHEET NUMBER:  
C-1

EQUIPMENT DATA								
EQUIPMENT SPECIFICATIONS								
SECTOR	ANTENNA MAKE/MODEL	QTY	AZIMUTH	EQUIPMENT STATUS	HEIGHT (IN)	WIDTH (IN)	DEPTH (IN)	WEIGHT (LBS)
ALPHA	850: AMPHENOL BXA-80080-6CF	1	0°	ETR	72.6	11.2	4.6	22.0 <sup>(2)</sup>
	700/850/1900/2100: COMMSCOPE SBNHH-1D65B	1	0°	ETR	72.9	11.9	7.1	40.8 <sup>(2)</sup>
	700/850/1900/2100: COMMSCOPE SBNHH-1D65B	1	0°	ETR	72.9	11.9	7.1	40.8 <sup>(2)</sup>
	SAMSUNG MT6407-77A	1	0°	NEW	35.1 <sup>(3)</sup>	16.1 <sup>(3)</sup>	5.51 <sup>(4)</sup>	87.1 <sup>(2)(5)</sup>
BETA	850: AMPHENOL BXA-80083-4BF	1	120°	ETR	44.6	11.2	5.3	12.6 <sup>(2)</sup>
	700/850/1900/2100: COMMSCOPE SBNHH-1D65B	1	120°	ETR	71.3	15.4	10.7	60.0 <sup>(2)</sup>
	700/850/1900/2100: COMMSCOPE SBNHH-1D65B	1	120°	ETR	71.3	15.4	10.7	60.0 <sup>(2)</sup>
	SAMSUNG MT6407-77A	1	120°	NEW	35.1 <sup>(3)</sup>	16.1 <sup>(3)</sup>	5.51 <sup>(4)</sup>	87.1 <sup>(2)(5)</sup>
GAMMA	700/850/1900/2100: COMMSCOPE SBNHH-1D65B	1	270°	ETR	71.3	15.4	10.7	60.0 <sup>(2)</sup>
	700/850/1900/2100: COMMSCOPE SBNHH-1D65B	1	270°	ETR	71.3	15.4	10.7	60.0 <sup>(2)</sup>
	850: AMPHENOL BXA-80080-4CF	1	270°	ETR	47.4	8.0	5.9	12.0 <sup>(2)</sup>
	SAMSUNG MT6407-77A	1	270°	NEW	35.1 <sup>(3)</sup>	16.1 <sup>(3)</sup>	5.51 <sup>(4)</sup>	87.1 <sup>(2)(5)</sup>
APPURTENANCE MAKE/MODEL								
	SAMSUNG B2/B66A ORAN RRH (RF4439d-25A)	3	-	NEW	15.0	15.0	10.1	74.7
	SAMSUNG B5/B13 ORAN RRH (RF4440d-13A)	3	-	NEW	15.0	15.0	9.1	70.3
	RAYCAP RHSDC-3315-PF-48	2	-	NEW	28.9	15.73	10.25	32.0
	KAEUS KA-6030 TWIN BAND FILTER	2	-	NEW	10.6	10.9	3.2	17.6

- (1) ETR DENOTES EXIST. TO REMAIN  
(2) WEIGHT WITHOUT MOUNTING BRACKET.  
(3) ANTENNA DATA BASED ON LATEST VERIZON RFDS.  
(4) ANTENNA CONFIGURATION AS VIEWED FROM BEHIND.  
(5) NOT TO EXCEED

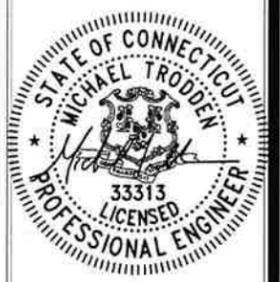
BILL OF MATERIALS				
QTY	LENGTH	COMMENTS		
①	3	SAMSUNG MT6407-77A		
②	32	ROUTE FROM RRH TO ANTENNAS		
③	3	ROUTE FROM RRH TO ANTENNA		
④	3	ROUTE FROM ANTENNA TO ANTENNA		
⑤	6	ROUTE FROM UPPER OVP TO ANTENNAS		
⑥	3	PROPRIETARY POWER CABLE FROM EXIST. OVP TO ANTENNAS		
⑦	3	SAMSUNG B5/B13 ORAN RRH (RF4440d-13A)		
⑧	3	SAMSUNG B2/B66A ORAN RRH (RF4439d-25A)		
⑨	8	PROPRIETARY POWER & FIBER CABLES		
⑩	2	(RAYCAP RVZDC-3315-PF-48)		
⑪	1	175± FT 6x12 LOW INDUCTANCE HYBRID CABLE		
⑫	2	KAEUS KA-6030		
⑬	4	ROUTE FROM RRH TO FILTER		
⑭	4	ROUTE FROM FILTER TO ANTENNAS		
⑮	1	(RAYCAP RVZDC-4520-RM-48)		

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

Cellco Partnership d/b/a  
**verizon**  
26 ALEXANDER DRIVE  
WATERFORD, CT 06490

**ALL-POINTS TECHNOLOGY CORPORATION**  
567 VAUXHALL STREET EXTENSION SUITE 311  
WATERFORD, CT 06385 PHONE: (860) 463-1697  
WWW.ALLPOINTSTECH.COM FAX: (860) 463-0935

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5	08/25/23	REV. RFDS: FOR FILING: JRM
6	09/08/23	FOR FILING: JRM

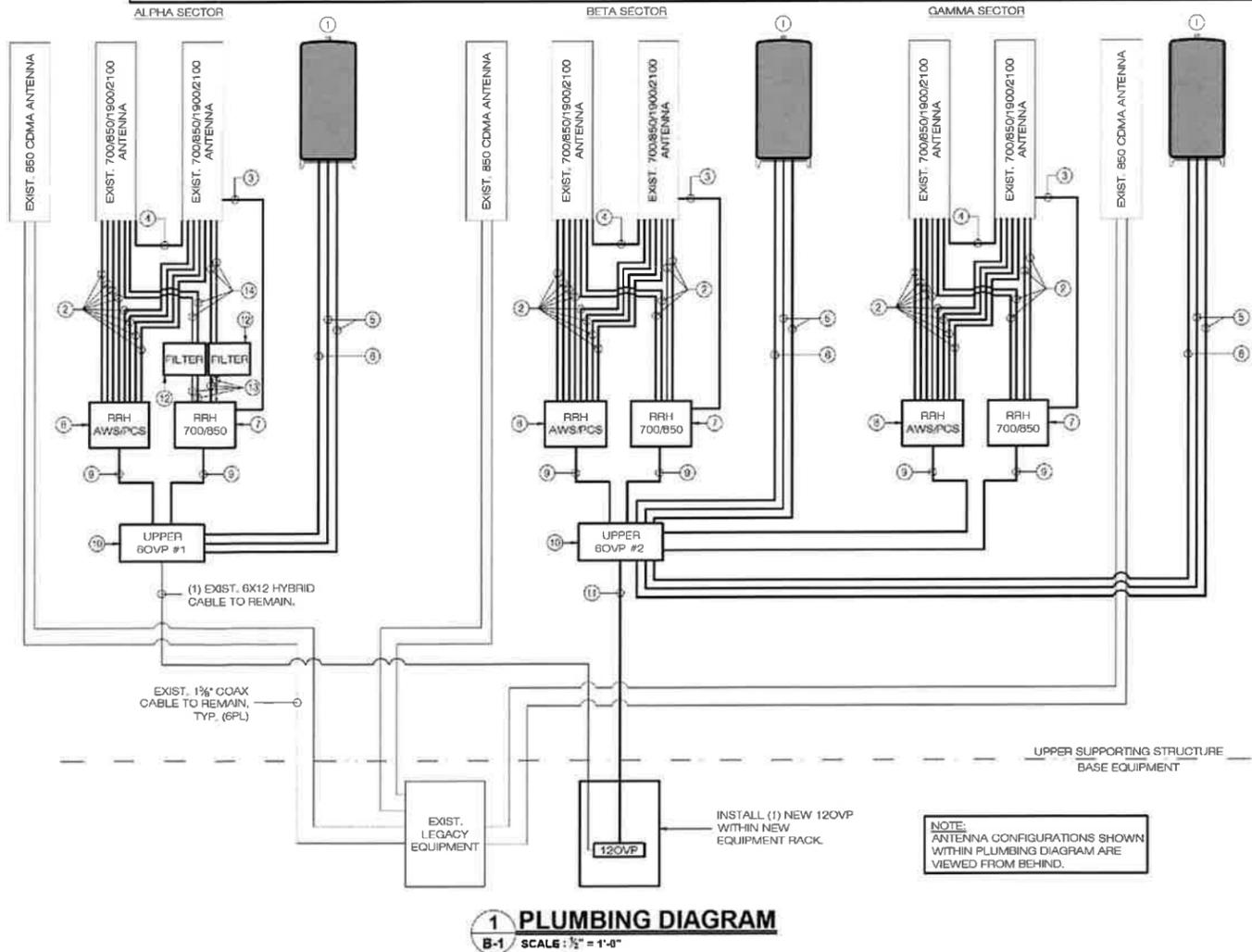
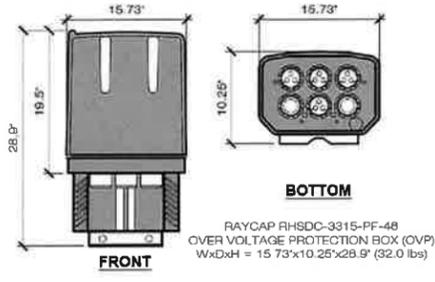
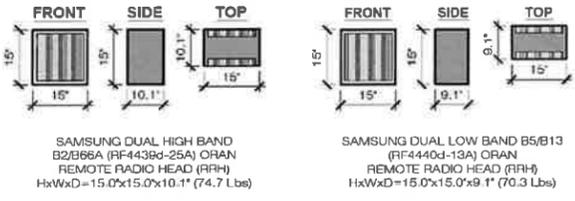
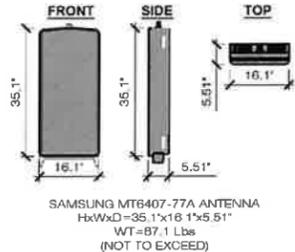


**DESIGN PROFESSIONALS OF RECORD**  
**PROF. MICHAEL S. TRODDEN P.E.**  
**COMP. ALL-POINTS TECHNOLOGY CORPORATION, P.C.**  
**ADD: 567 VAUXHALL STREET EXT. SUITE 311 WATERFORD, CT 06385**  
**OWNER: TOWN OF BLOOMFIELD**  
**C/O POLICE STATION**  
**ADDRESS: 800 BLOOMFIELD AVE. BLOOMFIELD, CT 06002**

**BLOOMFIELD 3 CT**  
**SITE: 785 PARK AVENUE**  
**ADDRESS: BLOOMFIELD, CT 06002**  
**APT FILING NUMBER: CT141\_12570**  
**DATE: 08/06/21** **DRAWN BY: ELZ**  
**CHECKED BY: JRM**  
**VZ PROJECT CODE: 20212234137**  
**VZ LOCATION CODE: 468782**  
**VZ FUZE ID: 18272375**

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

**SHEET NUMBER:**  
**B-1**



DESIGN BASIS:

2001 INTERNATIONAL BUILDING CODE (IBC) AS AMENDED BY THE 2002 CONNECTICUT STATE BUILDING CODE
SECTION 1905
TA-222-H (TOWER)

01 GENERAL:

ABBREVIATIONS USED IN THESE SPECIFICATIONS INCLUDE THE FOLLOWING:
ACI AMERICAN CONCRETE INSTITUTE
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
AWS AMERICAN WELDING SOCIETY
ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM AMERICAN SOCIETY OF TESTING MATERIALS
ASPE AMERICAN SOCIETY OF PROFESSIONAL ENGINEERS
CNSI CONCRETE INSTITUTE OF STEEL CONSTRUCTION
ASPE AMERICAN SOCIETY OF PROFESSIONAL ENGINEERS
IEEE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
UL UNDERWRITERS LABORATORIES
NFPA NATIONAL FIRE PROTECTION ASSOCIATION
OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

EVERY INDIVIDUAL TRADE, DISCIPLINE, AND CONTRACTOR SHALL INCLUDE THESE GENERAL SPECIFICATIONS. THE NUMBER IS NOT RELEVANT AS TO WHETHER A CONTRACTOR OR THE INSTALLATION CONTRACTORS WORK. ACHIEVING OF ANY TYPE OF QUALITY OR SUPERVISION OF ANY WORK AND SAFETY IS THE RESULT OF THE WORK SITE. ANY REFERENCE HEREIN TO AN OR EQUAL ITEM THAT EQUAL ITEM SHALL BE THE APPROVED BY THE CONSTRUCTION MANAGER BEFORE INSTALLATION.

ALL TRADES SHALL COORDINATE THEIR WORK WITH ALL OTHER TRADES AND OTHER WORK CONDITIONS AS APPROPRIATE OR REQUIRED TO AVOID CONFLICTS. RESOLVE AND COORDINATE ALL CONFLICTS WITH ALL AFFECTED TRADES AND OTHER TRADES. COORDINATION WITH THE SITE SHALL BE WITH THE OWNER OR CONTRACTOR SPECIFIED HEREIN. ANY DISPUTES, DISCREPANCIES, OR CONFLICTS SHALL BE RESOLVED BY THE CONSTRUCTION MANAGER BEFORE INSTALLATION.

ALL WORK SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE EDITIONS OF ALL APPLICABLE CODES AND SHALL BE ADAPTIVE TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES AND AUTHORITIES.

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

CONTRACTOR SHALL VERIFY THE SITE TO MANAGE AND CONTROL ALL NEARBY TENANT BUSINESS OPERATIONS. WORK SCHEDULES, OPERATIONS, AND WORK SCHEDULES SHALL BE COORDINATED WITH THE BUILDING 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 GUARANTEE AGAINST DAMAGING ANY HAZARDOUS AFFECTING TENANT BUSINESS OPERATIONS. THE CONTRACTOR SHALL GUARANTEE AGAINST DAMAGING ANY HAZARDOUS AFFECTING TENANT BUSINESS OPERATIONS. THE CONTRACTOR SHALL GUARANTEE AGAINST DAMAGING ANY HAZARDOUS AFFECTING TENANT BUSINESS OPERATIONS.

CONTRACTOR SHALL PROVIDE ALL OUTGOING AND RETURNING AS REQUIRED FOR THE INSTALLATION OF THE WORK. ANY PATCHING SHALL MATCH EXISTING SURROUNDING AREA. ALL PATCHING 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. PROTECTIVE PROTECTION OF THE SITE. ALL STRUCTURES AND ALL COMPONENTS, FINISHES, INSTALLATION, AND REMOVAL AS APPROPRIATE. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR THEIR RESPECTIVE FEES, PERMITS, INSPECTIONS, TESTING, CERTIFICATES, AND ALL MANAGEMENT OF TIME REQUIRED FOR COMPLETION OF ALL LEGAL OBLIGATIONS OF THE FINISHED PROJECT.

ALL CONTRACTORS SHALL PROVIDE ALL NECESSARY TOOLS, FINISHES, SERVICES, MATERIALS, JOB AIDS, AND PERSONNEL, REQUIRED FOR THE PROTECTION 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.

MANAGER AND COORDINATE ALL ACTIVITIES IN AFFECTED AREAS UNTIL NOTIFIED BY THE CONSTRUCTION TO RESUME OPERATIONS. EXISTING ELECTRICAL AND MECHANICAL FIXTURES, PIPING, WIRING AND EQUIPMENT OBTAINING THE WORK SHALL BE REMOVED AND/OR RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER. TEMPORARY SERVICE INTERRUPTIONS MUST BE COORDINATED WITH OWNER.

02 STEEL:

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

PROVIDE CERTIFICATION THAT WELDERS TO BE USED IN WORK ARE LICENSED AND HAVE SATISFACTORILY PASSED A QUALIFICATION TEST UNDER THE PROVISIONS OF APPROVED D. PARTS I AND II OF THE AWS CODES FOR WELDING IN BUILDING CONSTRUCTION.

ALL BUILDING CONNECTION DETAILS 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 THE SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL. FOR NON-STRUCTURAL CONNECTIONS FOR STEEL, GRATING MAY USE MSF DAMAGED OR OTHERWISE MARKED STEEL. ALL STEEL MATERIAL SHALL BE GALVANNEED AFTER FABRICATION IN ACCORDANCE WITH ASTM A1025 (HOT-DIP GALVANIZED COATING ON IRON AND STEEL PRODUCTS WITH A MINIMUM WEIGHT OF 2.0 OZ/SY).

ALL STEEL CONNECTIONS SHALL BE INSTALLED PLUMB AND LEVEL. TOWER BRACKET CONNECTIONS SHALL BE INSTALLED PLUMB AND LEVEL. CONNECTIONS SHALL BE DESIGNED BY THE FABRICATOR AND CONTRACTOR IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION. CONNECTIONS SHALL BE PROVIDED TO CONFORM TO THE REQUIREMENTS OF THE 2002 DOCUMENTS.

20 ELECTRICAL:

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

ALL ELECTRICAL CONDUIT SHALL BE INSTALLED PLUMB AND LEVEL. BRANCH CIRCUIT CONDUIT SHALL BE SOFT DRAWN OR MINIMUM CONDUCTIVITY HEAVILY FINISHED COPPER. HEAVY BRANCH CIRCUIT CONDUIT SHALL BE EITHER COPPER OR ALUMINUM OF THE APPROPRIATE SIZE FOR THE APPLICATION OR AS SPECIFICALLY NOTED.

ALL ELECTRICAL MOUNTING SHALL BE INSTALLED PLUMB AND LEVEL. ALL ELECTRICAL MOUNTING SHALL BE INSTALLED PLUMB AND LEVEL. ALL ELECTRICAL MOUNTING SHALL BE INSTALLED PLUMB AND LEVEL.

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REGULATIONS. ALL REGULATIONS IN EFFECT AT EACH SERVICE LOCATION SHALL BE OBSERVED TO FORM THE BASIS FOR THE ELECTRICAL CONSTRUCTION. ALL EQUIPMENT ENCLOSED, DEVICES AND CONDUITS SHALL BE GROUNDED BY THE INSTALLATION OF A SEPARATE GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH SERVICE LOCATION. THE GROUNDING CONDUCTOR SHALL BE GROUNDED TO A GROUNDING POINT EQUALLY SIZED OR MAXIMUM GROUNDING WIRE ACCOMMODATION AVAILABLE IN THE SERVICE MANUFACTURING FROM EACH SERVICE CONNECTIONS.

ALL ELECTRICAL CONDUITS SHALL BE INSTALLED PLUMB AND LEVEL. ALL ELECTRICAL CONDUITS SHALL BE INSTALLED PLUMB AND LEVEL. ALL ELECTRICAL CONDUITS SHALL BE INSTALLED PLUMB AND LEVEL.

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Cellco Partnership d/b/a verizon logo and address: 26 ALEXANDER DRIVE WATERFORD, CT 06497

ALL-POINTS TECHNOLOGY CORPORATION logo and address: 567 VAUXHALL STREET EXTENSION SUITE 311 WATERFORD, CT 06455

CONSTRUCTION DOCUMENTS table with columns: NO, DATE, REVISION. Includes items like 01/06/02 FOR REVIEW, 01/25/02 FOR FILING, etc.



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

OWNER: TOWN OF BLOOMFIELD C/O POLICE STATION ADDRESS: 800 BLOOMFIELD AVE. BLOOMFIELD, CT 06002

BLOOMFIELD 3 CT SITE 785 PARK AVENUE ADDRESS: BLOOMFIELD, CT 06002 APT FILING NUMBER: CT141\_12570

DATE: 08/06/21 CHECKED BY: ELZ VZ PROJECT CODE: 20212234137 VZ LOCATION CODE: 486782 VZ FUZE ID: 16272375

SHEET TITLE: NOTES & SPECIFICATIONS SHEET NUMBER:

N-1



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

Prepared for  
Verizon Wireless



**Verizon Wireless Site Ref:  
468782; Bloomfield 3 CT**

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

APT Filing No. CT141\_12570

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



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

**EXECUTIVE SUMMARY:**

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

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

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

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

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

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

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

**INTRODUCTION:**

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

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

- Construction Drawings prepared by APT (APT Project No. CT141\_12570), marked Rev. 5 dated 08/25/23.
- Antenna Mount Analysis Report and PMI Requirements prepared by Colliers Engineering & Design CT, P.C. (Project No. 23777171), dated 07/20/23.

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

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

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

Notes:

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

### CONDITION ASSESSMENT:

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

### STRUCTURAL ANALYSIS:

#### Methodology:

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

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

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

**ANALYSIS RESULTS:**

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

Elevation	Pole Capacity <sup>4,5</sup>
88.75'-137'	61%
47.75'-88.75'	55%
1'-47.75'	59%
Anchor Bolts	58%
Base Plate	58%

Notes:

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

**Foundation:**

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

The calculated base reactions are indicated within the table below:

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

The caisson foundation was found to be structurally adequate:

Design Limit	Proposed Loading	Result
Moment Capacity	70%	PASS
Lateral Deflection	0.09" <sup>(7)</sup>	PASS

Notes:

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

**CONCLUSIONS AND SUGGESTIONS:**

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

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



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



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



Ali Adair  
Project Scientist

**LIMITATIONS:**

This report is based on the following:

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

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

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

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

# ***Appendix A***

*Design Criteria*

(Add) APPENDIX P MUNICIPALITY – SPECIFIC STRUCTURAL DESIGN PARAMETERS

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



## Ice

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**Results:**

Ice Thickness: 1.50 in.

Concurrent Temperature: 5 F

Gust Speed 50 mph

**Data Source:** Standard ASCE/SEI 7-16, Figs. 10-2 through 10-8

**Date Accessed:** Mon May 15 2023

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

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

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The ASCE 7 Hazard Tool is provided for your convenience, for informational purposes only, and is provided "as is" and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE 7 standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

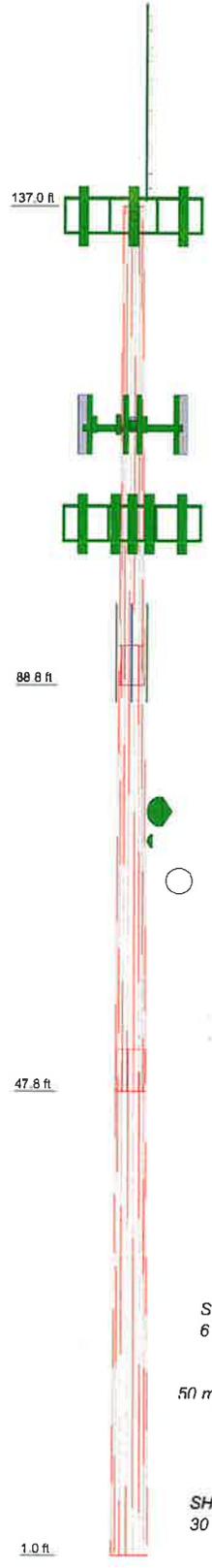
ASCE does not intend, nor should anyone interpret, the results provided by this Tool to replace the sound judgment of a competent professional, having knowledge and experience in the appropriate field(s) of practice, nor to substitute for the standard of care required of such professionals in interpreting and applying the contents of this Tool or the ASCE 7 standard.

In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE 7 Hazard Tool.

# *Appendix B*

*Tower Schematic*

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



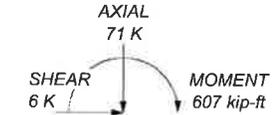
**DESIGNED APPURTENANCE LOADING**

TYPE	ELEVATION	TYPE	ELEVATION
PTP400	137	BXA-80080/4 (Verizon)	105
Translector (1101-778 ALPU-ORT)	137	MT6407-77A (Verizon)	105
4'x2 3/8" Pipe Mount	137	MT6407-77A (Verizon)	105
20' 8 Bay Dipole	137	MT6407-77A (Verizon)	105
AIR32 B66Aa/B2a (T-Mobile)	136	Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	105
AIR32 B66Aa/B2a (T-Mobile)	136	Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	105
AIR 6449 B41 (T-Mobile)	136	Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	105
AIR 6449 B41 (T-Mobile)	136	Samsung B2/B66A ORAN RRH (RF4439d-25A) (Verizon)	105
APXVAARR 24_43 (T-Mobile)	136	Samsung B5/B13 ORAN RRH (RF4440d-13A) (Verizon)	105
APXVAARR 24_43 (T-Mobile)	136	Samsung B5/B13 ORAN RRH (RF4440d-13A) (Verizon)	105
Radio 4449 (T-Mobile)	136	Samsung B5/B13 ORAN RRH (RF4440d-13A) (Verizon)	105
Radio 4449 (T-Mobile)	136	RVZDC-3315-PF-48 OVP (Verizon)	105
Radio 4415 (T-Mobile)	136	RVZDC-3315-PF-48 OVP (Verizon)	105
Radio 4415 (T-Mobile)	136	14' low-profile platform (Verizon)	105
Twin TMA (T-Mobile)	136	3.5' L3x3 angle (Verizon)	105
Twin TMA (T-Mobile)	136	3.5' L3x3 angle (Verizon)	105
15' platform wiralls (T-Mobile)	136	3.5' L3x3 angle (Verizon)	105
NNVV-65B-R4 (Sprint)	115	SitePro1 VZWSMART-PLK5 kicker kil (Verizon)	105
NNVV-65B-R4 (Sprint)	115	(2) 6'x2 3/8" Pipe Mount (Verizon)	105
NNVV-65B-R4 (Sprint)	115	13.5' x 2-7/8" pipe mount (Verizon)	105
NNVV-65B-R4 (Sprint)	115	13.5' x 2-7/8" pipe mount (Verizon)	105
LLPX310R-V1 (Sprint)	115	13.5' x 2-7/8" pipe mount (Verizon)	105
LLPX310R-V1 (Sprint)	115	(2) KA-6030 mitigation filler (Verizon)	105
(2) FD-RRH-2x50-800 (Sprint)	115	db Spectra DS7C09P36U-D	85
(2) FD-RRH-2x50-800 (Sprint)	115	db Spectra DS7C09P36U-D	85
(2) FD-RRH-4x45-1900 (Sprint)	115	3' standoffs w/ HSS arms	85
(2) FD-RRH-4x45-1900 (Sprint)	115	3' standoffs w/ HSS arms	85
FD-RRH-4x45-1900 (Sprint)	115	db Spectra DS7C09P36U-D	85
FD-RRH-4x45-1900 (Sprint)	115	PTP400	80
6' T-arm (Sprint)	115	PTP400	80
6' T-arm (Sprint)	115	Translector (1101-778 ALPU-ORT)	80
6' T-arm (Sprint)	115	Translector (1101-778 ALPU-ORT)	80
DragonWave Horizon Compact + ODU	115	4'x2 3/8" Pipe Mount	80
14" dish	115	4'x2 3/8" Pipe Mount	80
(2) 3.5' L3x3 angle (Sprint)	112	4'x2 3/8" Pipe Mount	80
(2) 3.5' L3x3 angle (Sprint)	112	PTP400	80
(2) 3.5' L3x3 angle (Sprint)	112	3' dish with radome	78
(2) SBNHH-1D65A (Verizon)	105	14" dish	73
(2) SBNHH-1D65A (Verizon)	105	DragonWave Horizon Compact + ODU	72
(2) SBNHH-1D65A (Verizon)	105	4'x2 3/8" Pipe Mount	72
BXA-80080/6 (Verizon)	105		
BXA-80063/4 (Verizon)	105		

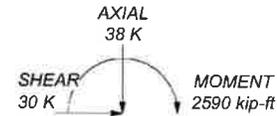
**MATERIAL STRENGTH**

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

ALL REACTIONS ARE FACTORED



TORQUE 0 kip-ft  
50 mph WIND - 1.5000 in ICE



TORQUE 0 kip-ft  
REACTIONS - 130 mph WIND

<b>All Points Technology</b>		<b>Job: 136' Monopole Tower</b>	
567 Vauxhall St. Ext., Suite 311		Project: CT141_12570 Bloomfield 3	
Waterford, CT 06385		Client: VzW Site #468782; Bloomfield 3 CT	Drawn by: AMA App'd:
Phone: (860) 663-1697		Code: TIA-222-H	Date: 08/25/23 Scale: NTS
FAX: (860) 663-0935		Path:	Dwg No. E-1

# *Appendix C*

*Site Images*

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



Overview photo of the existing 136' monopole tower.



Overview photos of existing equipment and mounts.

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



Photo of existing hatch plates and ground bar at shelter.

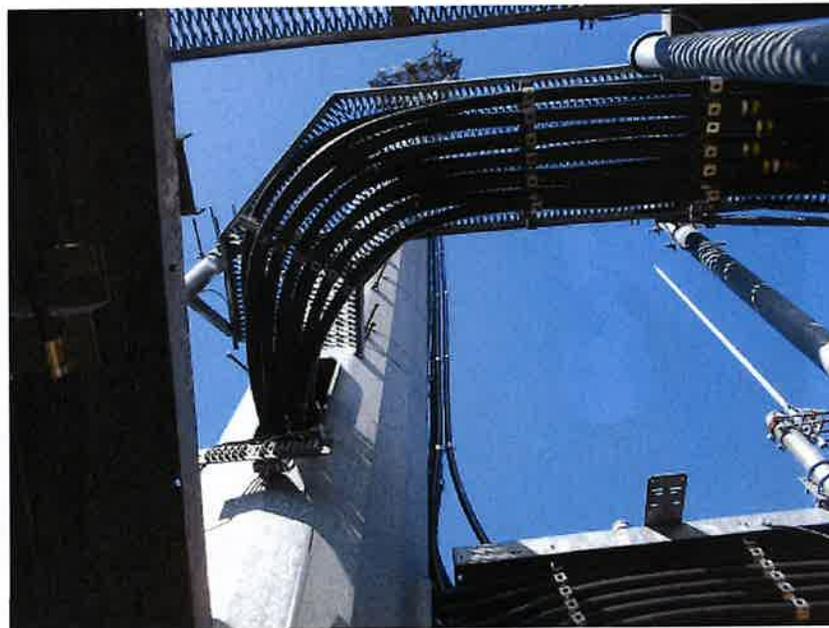


Photo of existing feed lines and ground bars at tower.

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



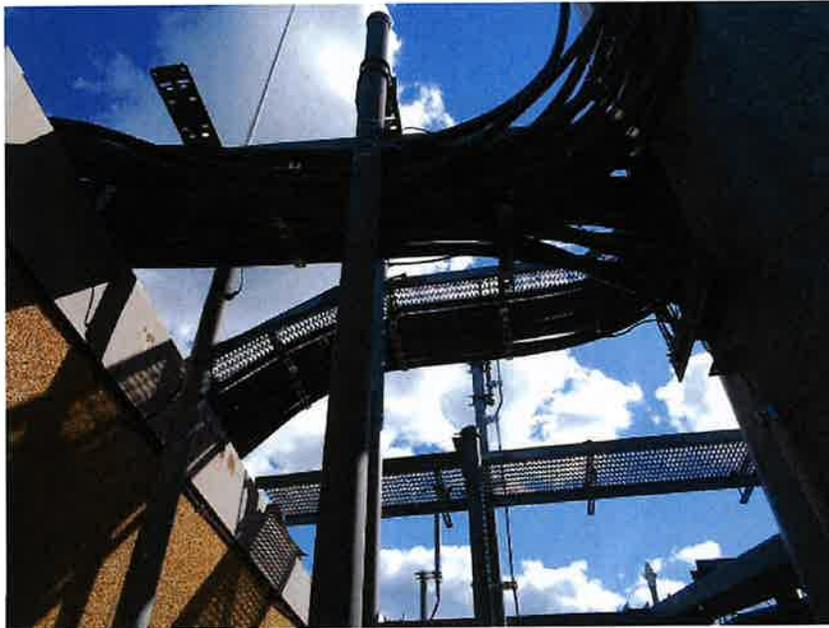
Additional photos of existing feed lines and ground bars at tower.



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



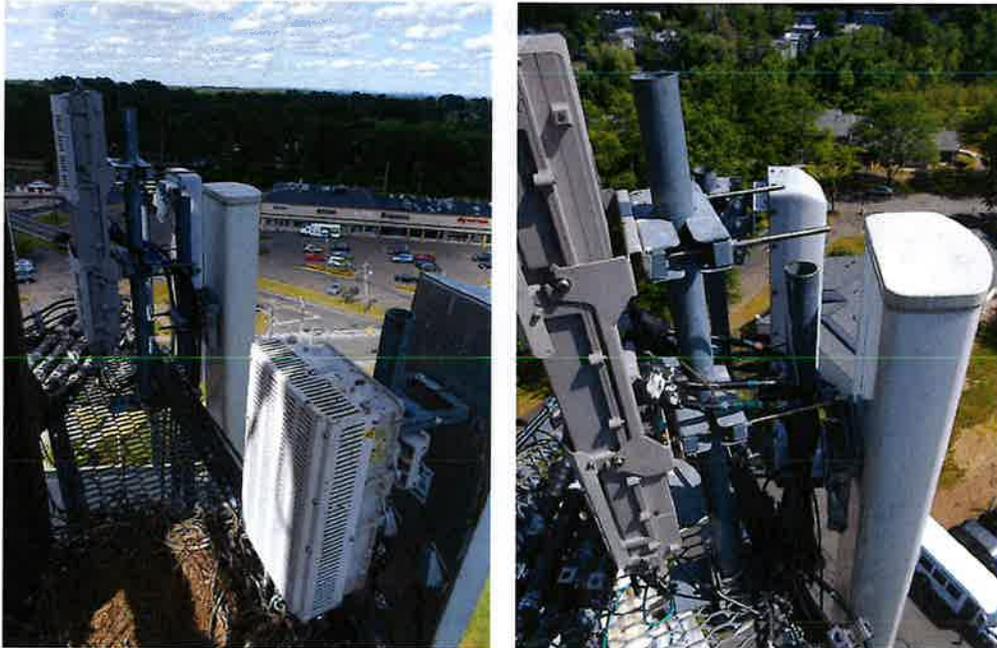
Photos of existing feed lines and ice bridges.



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



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



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

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



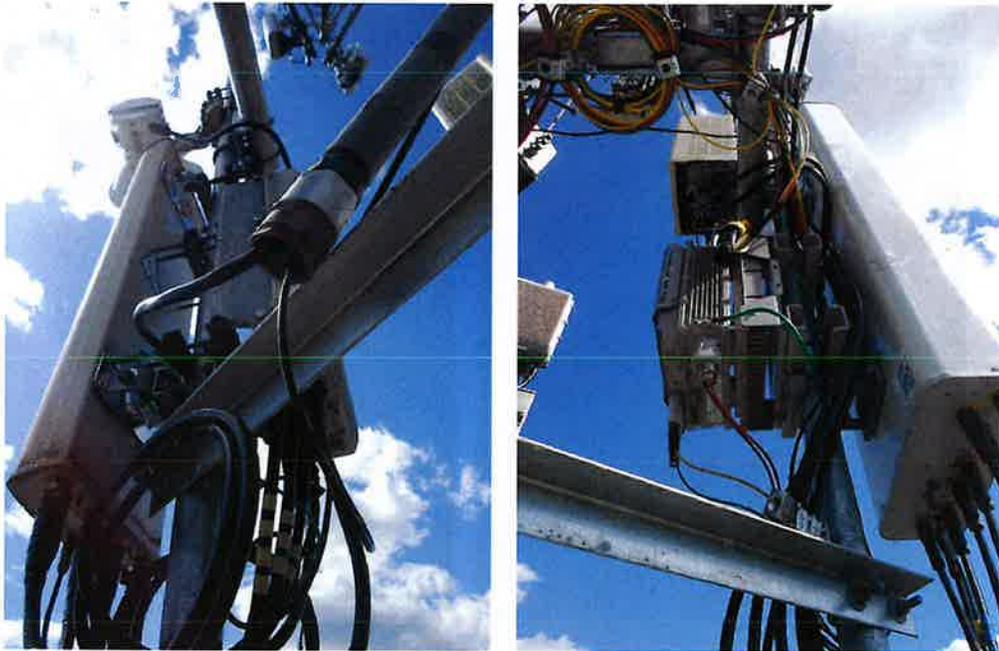
Additional photos of Verizon Wireless's typical existing equipment and mounts at 105'.



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



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



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



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



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



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



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



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



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



Photos of typical existing equipment and mounts.



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



Additional photos of typical existing equipment and mounts.



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



Photos of existing top mount.



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



Overview photos of existing ice bridges from tower.



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



Photos of typical existing base foundation.



# *Appendix D*

*Calculations*

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

## Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

Tower base elevation above sea level: 1.00 ft.

Basic wind speed of 130 mph.

Risk Category III.

Exposure Category B.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.00 ft.

Nominal ice thickness of 1.5000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 50 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

## Feed Line/Linear Appurtenances

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

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

<b>tnxTower</b>  <b>All Points Technology</b> 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	<b>Job</b>	136' Monopole Tower	<b>Page</b>	2 of 10
	<b>Project</b>	CT141_12570 Bloomfield 3	<b>Date</b>	12:17:04 08/25/23
	<b>Client</b>	VzW Site #468782; Bloomfield 3 CT	<b>Designed by</b>	AMA

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

### Discrete Tower Loads

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

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

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

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

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

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	<b>Client</b>	VzW Site #468782; Bloomfield 3 CT	<b>Designed by</b>	AMA

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

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

<b>tnxTower</b>  <b>All Points Technology</b> 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	<b>Job</b>	136' Monopole Tower	<b>Page</b>	7 of 10
	<b>Project</b>	CT141_12570 Bloomfield 3	<b>Date</b>	12:17:04 08/25/23
	<b>Client</b>	VzW Site #468782; Bloomfield 3 CT	<b>Designed by</b>	AMA

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

<b>tnxTower</b>  <b>All Points Technology</b> 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	<b>Job</b>	136' Monopole Tower	<b>Page</b>	8 of 10
	<b>Project</b>	CT141_12570 Bloomfield 3	<b>Date</b>	12:17:04 08/25/23
	<b>Client</b>	VzW Site #468782; Bloomfield 3 CT	<b>Designed by</b>	AMA

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

### Dishes

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

<b>tnxTower</b>  <b>All Points Technology</b> 567 Vauxhall St. Ext., Suite 311 Waterford, CT 06385 Phone: (860) 663-1697 FAX: (860) 663-0935	<b>Job</b>	136' Monopole Tower	<b>Page</b>	9 of 10
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	<b>Client</b>	VzW Site #468782; Bloomfield 3 CT	<b>Designed by</b>	AMA

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

### Solution Summary

#### Maximum Tower Deflections - Service Wind

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

#### Critical Deflections and Radius of Curvature - Service Wind

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

#### Maximum Tower Deflections - Design Wind

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

#### Critical Deflections and Radius of Curvature - Design Wind

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

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	<b>Project</b> CT141_12570 Bloomfield 3	<b>Date</b> 12:17:04 08/25/23
	<b>Client</b> VzW Site #468782; Bloomfield 3 CT	<b>Designed by</b> AMA

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

### Section Capacity Table

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

Program Version 8.1.1.0 - 6/3/2021 File:Z:/Shared/CT office/APT Files/VZ NE - 141 All Sites (fka CT)/Bloomfield 3 CT/Bloomfield 3 CT - CT141\_12570/Engineering/Resources/Structure/Tower SA/REV 3 - Copy/tnxtower/CT141\_12570 Bloomfield 3.ERI



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Waterford, CT 06385  
PH: 860-663-1697

Verizon - Bloomfield 3 CT  
785 Park Avenue, Bloomfield, CT 06002  
APT FILING No. CT141\_12570

Grouped Anchor Bolt and Base Plate Analysis  
Prepared by: JRM; Checked by: MST, P.E.  
Rev 3 - 08.10.23

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

Input Data:

Tower Reactions (1.2DL + 1.0WL):

Overturning Moment =  $M_u := 2590 \cdot \text{ft} \cdot \text{kips}$  (Input From tnxTower)

Axial Force =  $R_u := 38 \cdot \text{kips}$  (Input From tnxTower)

Shear Force =  $V_u := 30 \cdot \text{kips}$  (Input From tnxTower)

Anchor Bolt Data:

Anchor Bolt Grade = ASTM A615 Gr. 75 (User Input)

Number of Anchor Bolts =  $N := 16$  (User Input)

Bolt "Column" Distance =  $l_{br} := 0.75 \text{ in}$  (Defined as anchor rod projection from supporting structure to bottom of leveling nut)

Bolt Ultimate Stress =  $F_{ub} := 100 \cdot \text{ksi}$  (User Input)

Bolt Yield Stress =  $F_{yb} := 75 \cdot \text{ksi}$  (User Input)

Bolt Modulus of Elasticity =  $E := 29000 \cdot \text{ksi}$  (User Input)

Nominal Diameter of Anchor Bolts =  $D := 2.25 \text{ in}$  (User Input)

Threads per Inch =  $n := 4.5$  (User Input)

Base Plate Data:

Base Plate Grade = ASTM A572 Gr. 55 (User Input)

Plate Yield Strength =  $F_{yf} := 55 \cdot \text{ksi}$  (User Input)

Base Plate Thickness =  $t_{tp} := 3.00 \text{ in}$  (User Input)

Geometric Layout Data:

Distance from Bolts to Centroid of Pole:

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

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

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

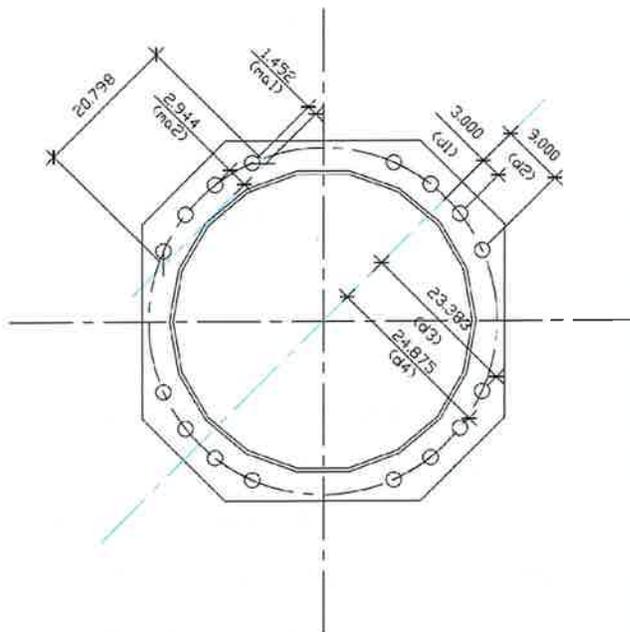
$d_4 := 3.000 \cdot in$  (User Input)

Critical Distances For Bending in Plate:

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

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

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



ANCHOR BOLT AND PLATE GEOMETRY



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Verizon - Bloomfield 3 CT  
785 Park Avenue, Bloomfield, CT 06002  
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Grouped Anchor Bolt and Base Plate Analysis  
Prepared by: JRM; Checked by: MST, P.E.  
Rev 3 - 08.10.23

Anchor Bolt Analysis:

Calculated Anchor Bolt Properties:

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

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

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

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

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

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

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

Check Anchor Bolt Tension Force:

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

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

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

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

Anchor Bolt Strengths:

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

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

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

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

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

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



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Verizon - Bloomfield 3 CT  
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Grouped Anchor Bolt and Base Plate Analysis  
Prepared by: JRM; Checked by: MST, P.E.  
Rev 3 - 08.10.23

Anchor Rod Usage =

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

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

**Base Plate Analysis:**

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

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

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

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

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

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

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

**Anchor Bolt and Base Plate Analysis Summary:**

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

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

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LPile for Windows, Version 2022-12.009

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

Path to file locations:

\Shared\CT office\APT Files\VZ NE - 141 All Sites (fka CT)\Bloomfield 3  
CT\Bloomfield 3 CT - CT141\_12570\Engineering\Resources\Structure\Tower SA\REV  
3\Caisson\

Name of input data file:  
Bloomfield 3 CT.lp12d

Name of output report file:  
Bloomfield 3 CT.lp12o

Name of plot output file:  
Bloomfield 3 CT.lp12p

Name of runtime message file:  
Bloomfield 3 CT.lp12r  
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Date and Time of Analysis

Date: August 10, 2023

Time: 13:37:20

Problem Title

Project Name: Bloomfield 3 CT

Job Number: CT141\_12570

Client: Verizon

Engineer: JRM

Description: Caisson Analysis

Program Options and Settings

Computational Options:

- Conventional Analysis

Engineering Units Used for Data Input and Computations:

- US Customary System Units (pounds, feet, inches)

Analysis Control Options:

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

Loading Type and Number of Cycles of Loading:

- Static loading specified

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

Output Options:

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

-----  
 Pile Structural Properties and Geometry  
 -----

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

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

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

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

Input Structural Properties for Pile Sections:  
 -----

Pile Section No. 1:

Section 1 is a round drilled shaft, bored pile, or CIDH pile  
 Length of section = 45.500000 ft  
 Shaft Diameter = 72.000000 in

-----  
Soil and Rock Layering Information  
-----

The soil profile is modelled using 2 layers

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

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

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

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

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

-----  
Summary of Input Soil Properties  
-----

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

-----

### Static Loading Type

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

### Pile-head Loading and Pile-head Fixity Conditions

Number of loads specified = 2

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

V = shear force applied normal to pile axis

M = bending moment applied to pile head

y = lateral deflection normal to pile axis

S = pile slope relative to original pile batter angle

R = rotational stiffness applied to pile head

Values of top y vs. pile lengths can be computed only for load types with specified shear loading (Load Types 1, 2, and 3).

Thrust force is assumed to be acting axially for all pile batter angles.

### Computations of Nominal Moment Capacity and Nonlinear Bending Stiffness

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

Number of Pile Sections Analyzed = 1

Pile Section No. 1:

Dimensions and Properties of Drilled Shaft (Bored Pile):

Length of Section = 45.500000 ft  
Shaft Diameter = 72.000000 in

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

Axial Structural Capacities:

-----

Nom. Axial Structural Capacity =  $0.85 F_c A_c + F_y A_s$  = 12174.775 kips  
 Tensile Load for Cracking of Concrete = -1567.598 kips  
 Nominal Axial Tensile Capacity = -1872.000 kips

Reinforcing Bar Dimensions and Positions Used in Computations:

Bar Number	Bar Diam. inches	Bar Area sq. in.	X inches	Y inches
1	1.410000	1.560000	31.295000	0.000000
2	1.410000	1.560000	29.763314	9.670687
3	1.410000	1.560000	25.318187	18.394739
4	1.410000	1.560000	18.394739	25.318187
5	1.410000	1.560000	9.670687	29.763314
6	1.410000	1.560000	0.000000	31.295000
7	1.410000	1.560000	-9.670687	29.763314
8	1.410000	1.560000	-18.394739	25.318187
9	1.410000	1.560000	-25.318187	18.394739
10	1.410000	1.560000	-29.763314	9.670687
11	1.410000	1.560000	-31.295000	0.000000
12	1.410000	1.560000	-29.763314	-9.670687
13	1.410000	1.560000	-25.318187	-18.394739
14	1.410000	1.560000	-18.394739	-25.318187
15	1.410000	1.560000	-9.670687	-29.763314
16	1.410000	1.560000	0.000000	-31.295000
17	1.410000	1.560000	9.670687	-29.763314
18	1.410000	1.560000	18.394739	-25.318187
19	1.410000	1.560000	25.318187	-18.394739
20	1.410000	1.560000	29.763314	-9.670687

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

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

Ratio of bar spacing to maximum aggregate size = 11.17

Concrete Properties:

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

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

Number	Axial Thrust Force kips
1	31.930
2	38.320

-----  
Summary of Results for Nominal Moment Capacity for Section 1  
-----

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

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

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

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

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

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

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

Layering Correction Equivalent Depths of Soil & Rock Layers

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

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

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

Boundary Condition Type 1, Shear and Moment

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

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

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

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

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

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

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

Output Summary for Load Case No. 2:

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

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

Boundary Condition Type 1, Shear and Moment

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

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

-----  
 Summary of Pile-head Responses for Conventional Analyses  
 -----

Definitions of Pile-head Loading Conditions:

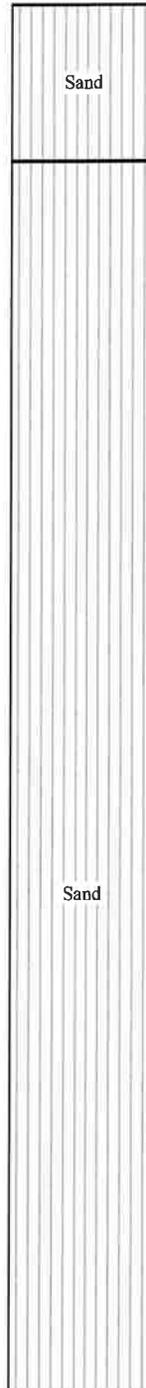
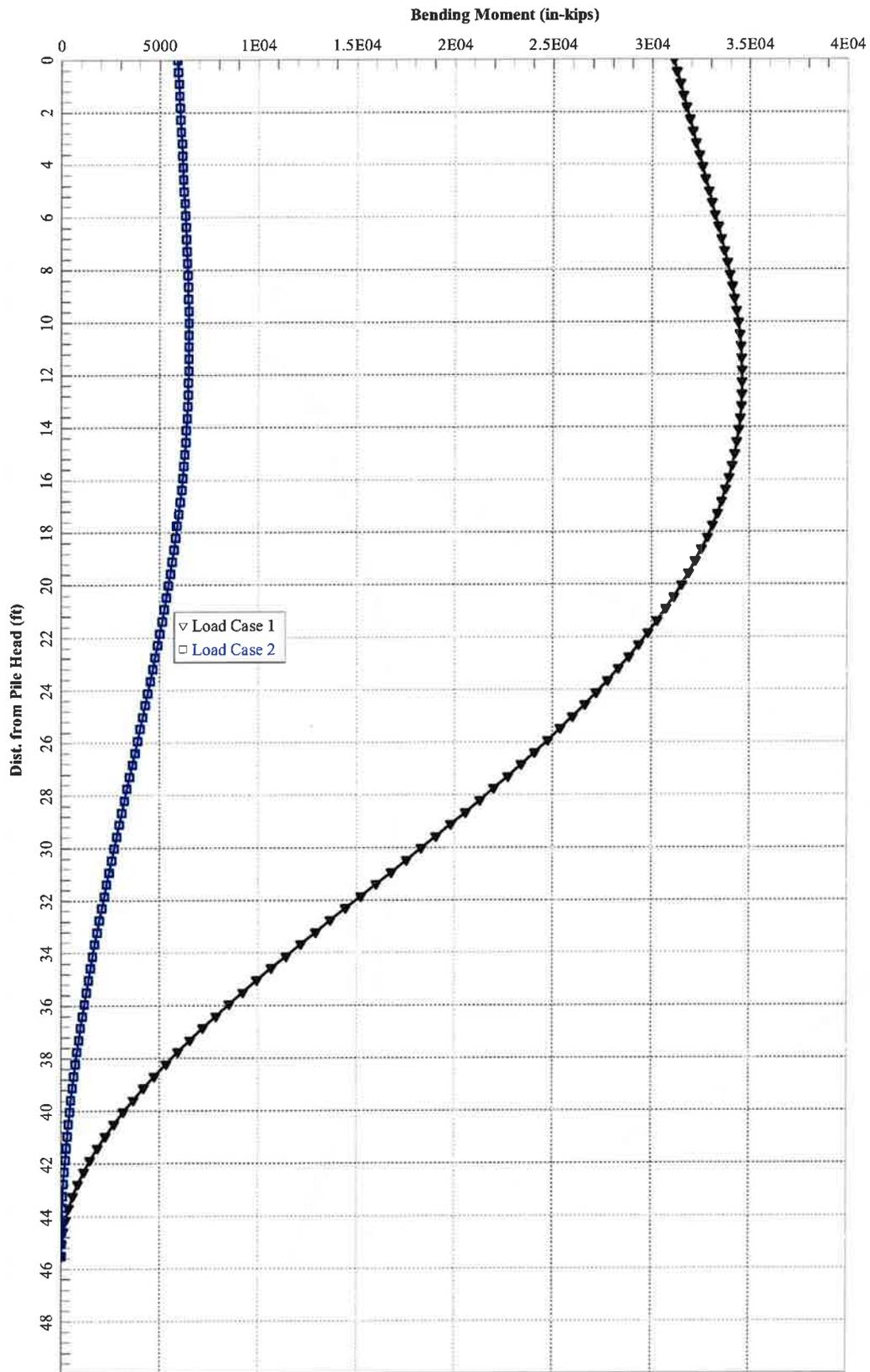
Load Type 1: Load 1 = Shear, V, lbs, and Load 2 = Moment, M, in-lbs  
 Load Type 2: Load 1 = Shear, V, lbs, and Load 2 = Slope, S, radians

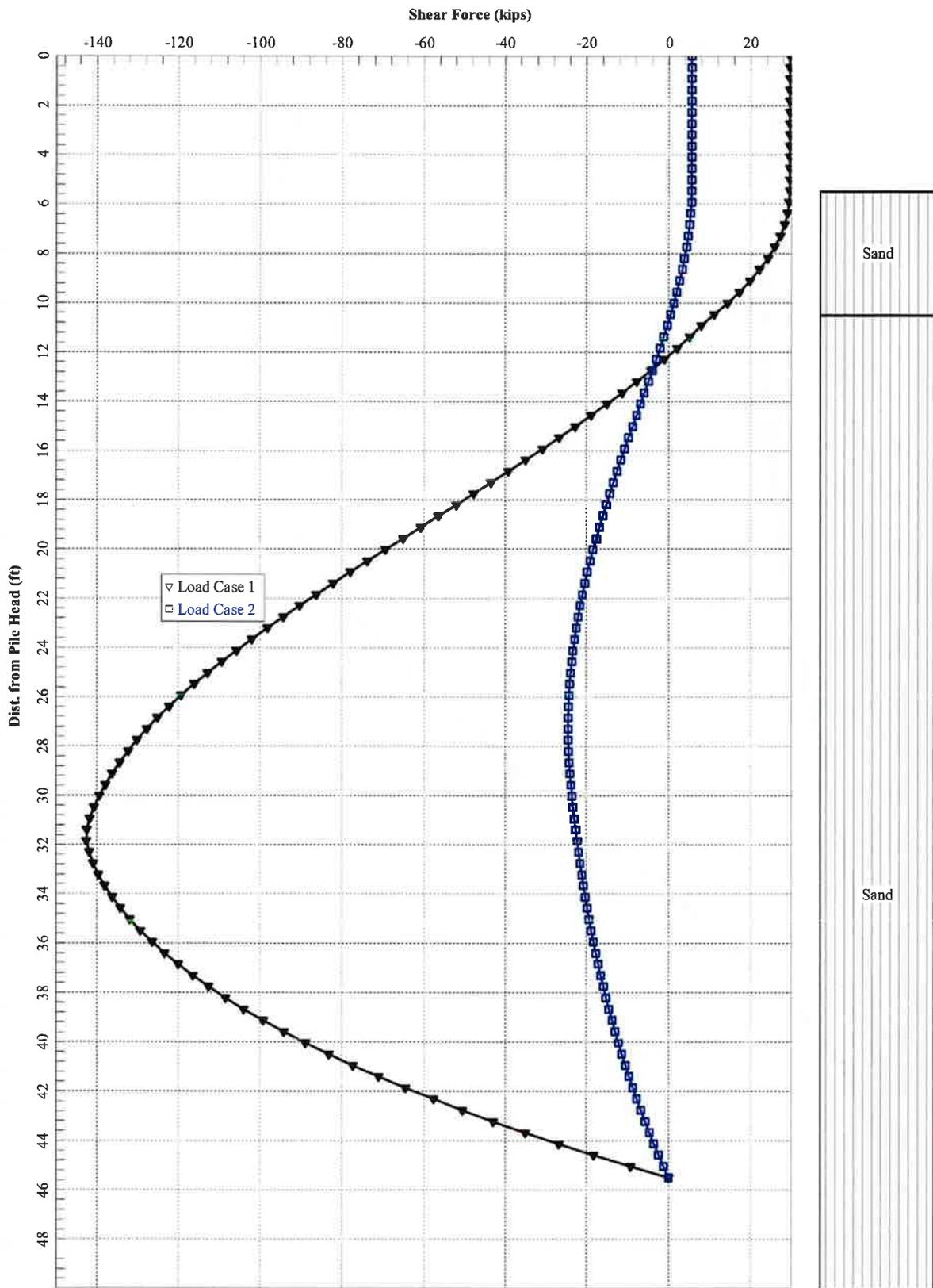
Load Type 3: Load 1 = Shear, V, lbs, and Load 2 = Rot. Stiffness, R, in-lbs/rad.  
 Load Type 4: Load 1 = Top Deflection, y, inches, and Load 2 = Moment, M, in-lbs  
 Load Type 5: Load 1 = Top Deflection, y, inches, and Load 2 = Slope, S, radians

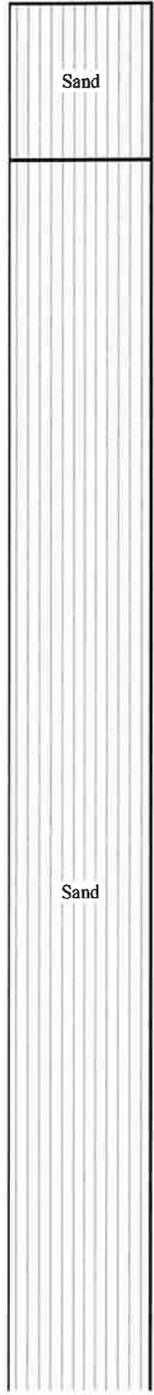
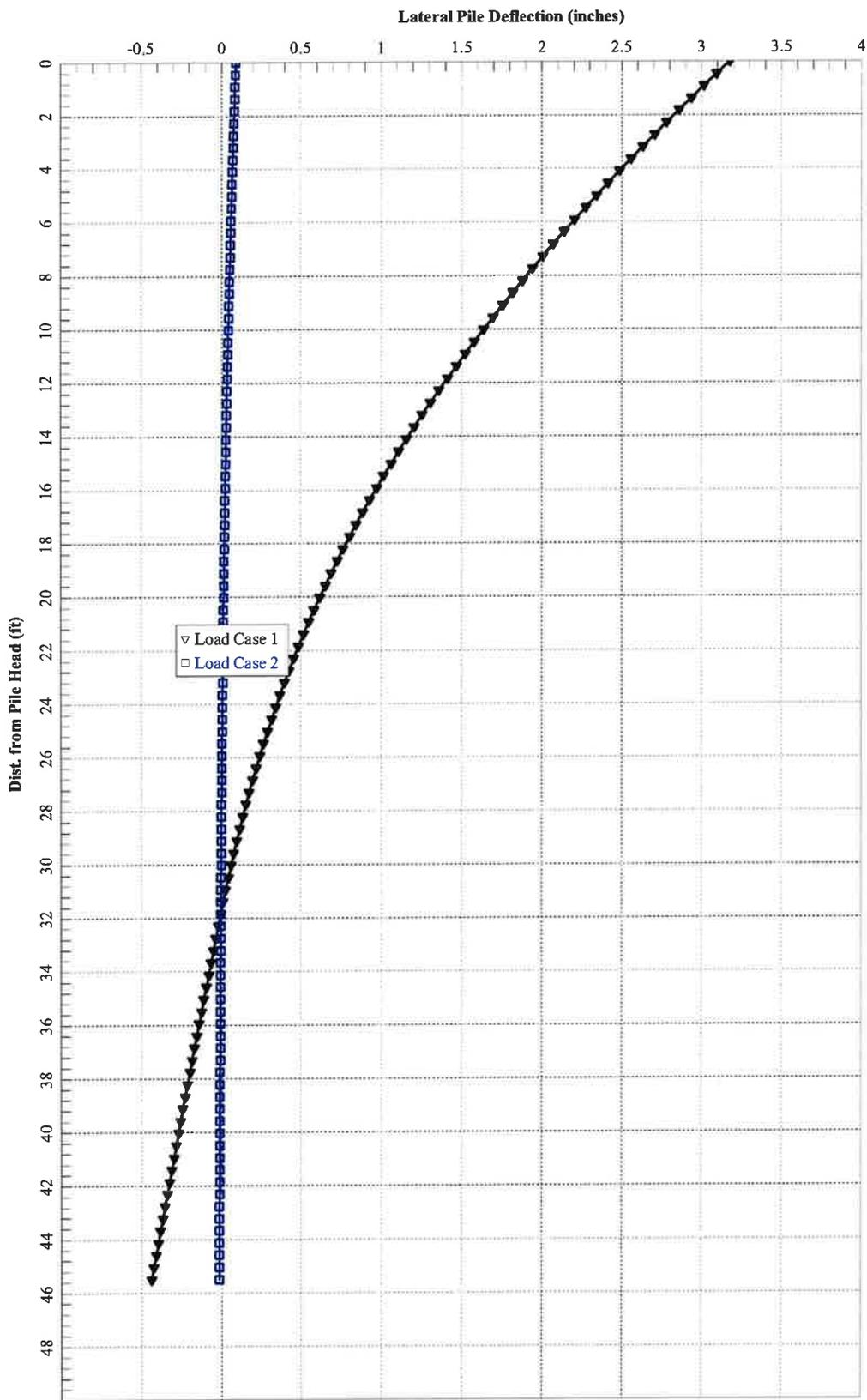
Load Case No.	Load Type	Load 1	Load 2	Axial Loading	Pile-head Deflection	Pile-head Rotation	Max Shear	Max Moment
		in-lbs	in-lb	lbs	inches	radians	lbs	in-lbs
1	V, lb	29600.	M, in-lb	3.11E+07	38320.	3.1753	-0.01484	-142486.
2	V, lb	5640.	M, in-lb	5891780.	31930.	0.09171	-4.73E-04	-24485.
		6493132.						

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

The analysis ended normally.











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

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## Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207597  
Colliers Engineering & Design CT, PC Project #: 23777171

July 20, 2023

### Site Information

Site ID: 5000383112-VZW / BLOOMFIELD 3 CT  
Site Name: BLOOMFIELD 3 CT  
Carrier Name: Verizon Wireless  
Address: 785 Park Ave  
Bloomfield, Connecticut 06002  
Hartford County  
Latitude: 41.828508°  
Longitude: -72.733636°

### Structure Information

Tower Type: 137-Ft Monopole  
Mount Type: 14.00-Ft Platform

FUZE ID # 17123874

### Analysis Results

Platform: 46.4% Pass\*

**\*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

### \*\*\*Contractor PMI Requirements:

**Included at the end of this MA report  
Available & Submitted via portal at <https://pmi.vzwsmart.com>**

**For additional questions and support, please reach out to:  
[pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)**

Report Prepared By: Carol Luengas



07/20/2023

**Executive Summary:**

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

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

**Sources of Information:**

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 674845, Dated April 20, 2023
Construction Drawings	All-Points Site Name: BLOOMFIELD 3 CT, Dated August 6, 2021
Mount Mapping Report	RKS Design & Engineering, LLC Site ID: VZW:468782 Dated October 24, 2021
Previous Mount Modification Report	Colliers Engineering & Design, Project #: 21777224 (Rev 1), Dated June 9, 2023
Filter Add Scope	Provided by Verizon Wireless

**Analysis Criteria:**

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut Building State Code, (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), $V_{ULT}$ : 120 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.50 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, $K_e$ : 0.996
Seismic Parameters:	$S_s$ : 0.182 g $S_1$ : 0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, $L_v$ : 250 lbs. Maintenance Load, $L_m$ : 500 lbs.
Analysis Software:	RISA-3D (V17)

**Final Loading Configuration:**

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
105.00	105.00	2	Raycap	RVZDC-3315-PF-48	Retained
		3	Samsung	MT6407-77A	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		1	Amphenol	BXA-80063-4BF-EDIN-0	
		1	Amphenol Antel	BXA-80080-4CF-EDIN-0	
		1	Amphenol Antel	BXA-80080-6CF-EDIN-2	
		6	Andrew	SBNHH-1D65B	
		2	KAelus	KA-6030	Added

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

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

**Standard Conditions:**

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
  - o Channel, Solid Round, Angle, Plate      ASTM A36 (Gr. 36)
  - o HSS (Rectangular)                            ASTM 500 (Gr. B-46)
  - o Pipe    ASTM A53 (Gr. B-35)
  - o Threaded Rod                                  F1554 (Gr. 36)
  - o Bolts    ASTM A325

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

**Analysis Results:**

Component	Utilization %	Pass/Fail
Platform Angle	46.4 %	Pass
Back Standoff HSS	24.7 %	Pass
Front Standoff HSS	16.2 %	Pass
Mount Pipe	38.7 %	Pass
MOD Support Rail	10.1 %	Pass
MOD Corner Angle	15.7 %	Pass
MOD Kicker	9.1 %	Pass
Mount Connection	14.3 %	Pass

<b>Structure Rating – (Controlling Utilization of all Components)</b>	<b>46.4%</b>
---	--------------

**Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:**

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	37.6	37.6	52.6	52.6
0.5	47.3	47.3	68.5	68.5
1	56.2	56.2	83.7	83.7

**Notes:**

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

### **Requirements:**

The existing mount is **SUFFICIENT** for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

Contractor to verify that all equipment and modifications per previous mount analysis report and construction drawings by Colliers Engineering & Design, Project #: 21777224 (Rev 1), dated June 9, 2023 has been installed.
--

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

### **Attachments:**

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

## Mount Desktop – Post Modification Inspection (PMI) Report Requirements

### Documents & Photos Required from Contractor – **Passing Mount Analysis**

Passing Mount Analysis requires a PMI due to a modification in loading.

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>.

For additional questions and support, please reach out to [pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)

---

MDG #: 5000383112

SMART Project #: 10207597

Fuze Project ID: 17123874

**Purpose** – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

#### **Base Requirements:**

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built mount drawings” showing contractor’s name, contact information, preparer’s signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

#### **Photo Requirements:**

- Photos taken at ground level
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- Photos taken at Mount Elevation
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.
  - Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

**Antenna & equipment placement and Geometry Confirmation:**

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

**Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:**

**Issue:**

Contractor to verify that all equipment and modifications per previous mount analysis report and construction drawings by Colliers Engineering & Design, Project #: 21777224 (Rev 1), dated June 9, 2023 has been installed.

**Response:**

**Special Instruction Confirmation:**

The contractor has read and acknowledges the above special instructions.

All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

**Comments:**

--

**Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:**

Yes       No

**Contractor certifies no new damage created during the current installation:**

Yes       No

**Contractor to certify the condition of the safety climb and verify no damage when leaving the site:**

Safety Climb in Good Condition       Safety Climb Damaged

**Certifying Individual:**

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

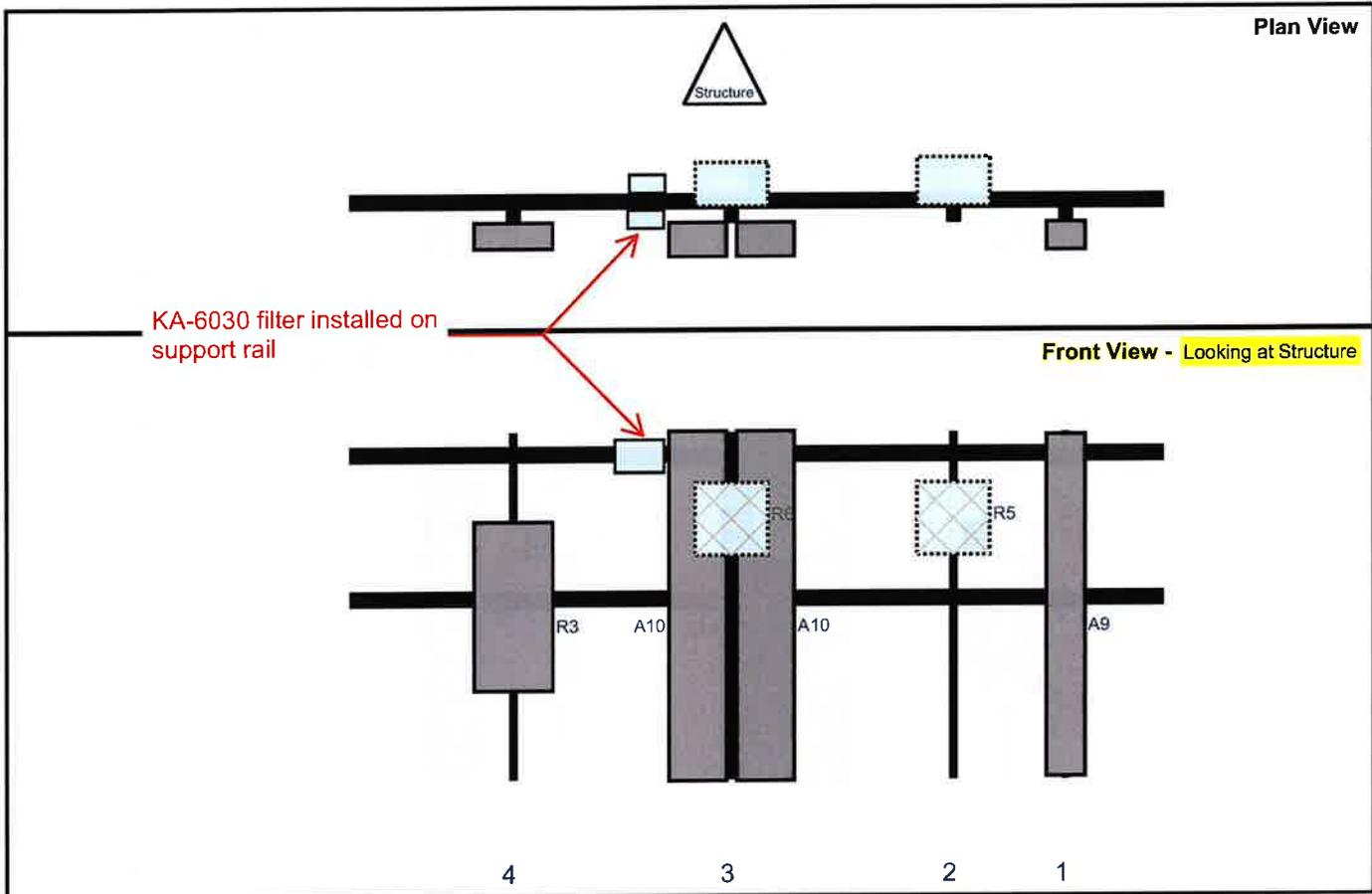
Sector: **A**  
 Structure Type: Monopole  
 Mount Elev: 105.00

10207597

7/19/2023



Page: 1



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A9	BXA-80080-6CF-EDIN-2	71	8	147.75	1	a	Front	36	0	Retained	10/24/2021
R5	RF4439d-25A	15	15	124.5	2	a	Behind	18	0	Retained	
A10	SBNHH-1D65B	72.6	11.9	78.75	3	a	Front	36	7	Retained	10/24/2021
A10	SBNHH-1D65B	72.6	11.9	78.75	3	b	Front	36	-7	Retained	10/24/2021
R6	RF4440d-13A	15	15	78.75	3	a	Behind	18	0	Retained	
R3	MT6407-77A	35.1	16.1	33.75	4	a	Front	36	0	Retained	
M97	RVZDC-3315-PF-48	29.5	16.5			Member				Retained	
M95	RVZDC-3315-PF-48	29.5	16.5			Member				Retained	

Structure: 5000383112-VZW - BLOOMFIELD 3 CT

Sector: B

7/19/2023

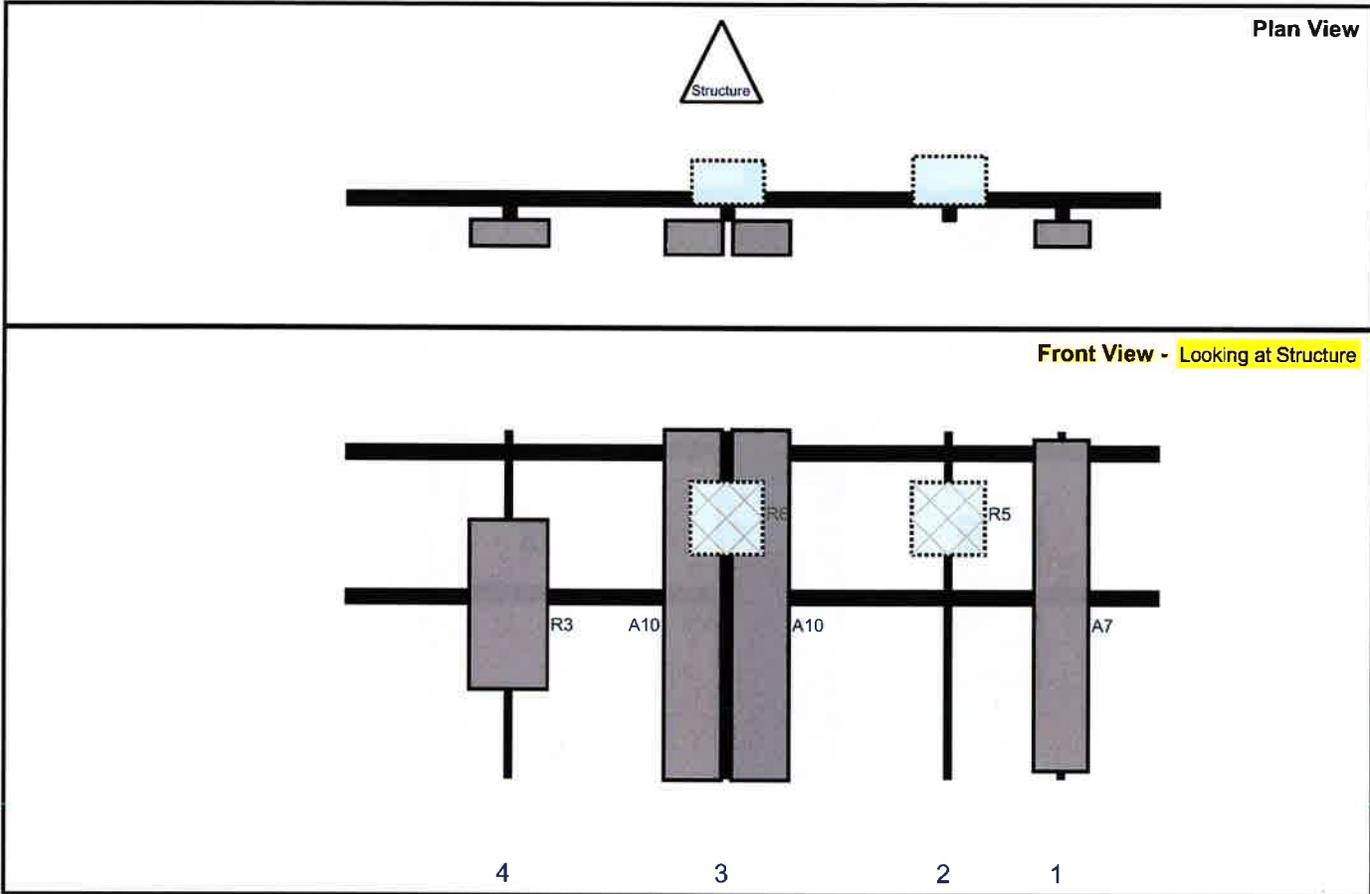
Structure Type: Monopole

10207597



Mount Elev: 105.00

Page: 2



Ref#	Model	Height (in)	Width (in)	H Dist Fm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Fm T.	Ant H Off	Status	Validation
A7	BXA-80063-4BF-EDIN-0	68.6	11.2	147.75	1	a	Front	36	0	Retained	10/24/2021
R5	RF4439d-25A	15	15	124.5	2	a	Behind	18	0	Retained	
A10	SBNHH-1D65B	72.6	11.9	78.75	3	a	Front	36	7	Retained	10/24/2021
A10	SBNHH-1D65B	72.6	11.9	78.75	3	b	Front	36	-7	Retained	10/24/2021
R6	RF4440d-13A	15	15	78.75	3	a	Behind	18	0	Retained	
R3	MT6407-77A	35.1	16.1	33.75	4	a	Front	36	0	Retained	

Structure: 5000383112-VZW - BLOOMFIELD 3 CT

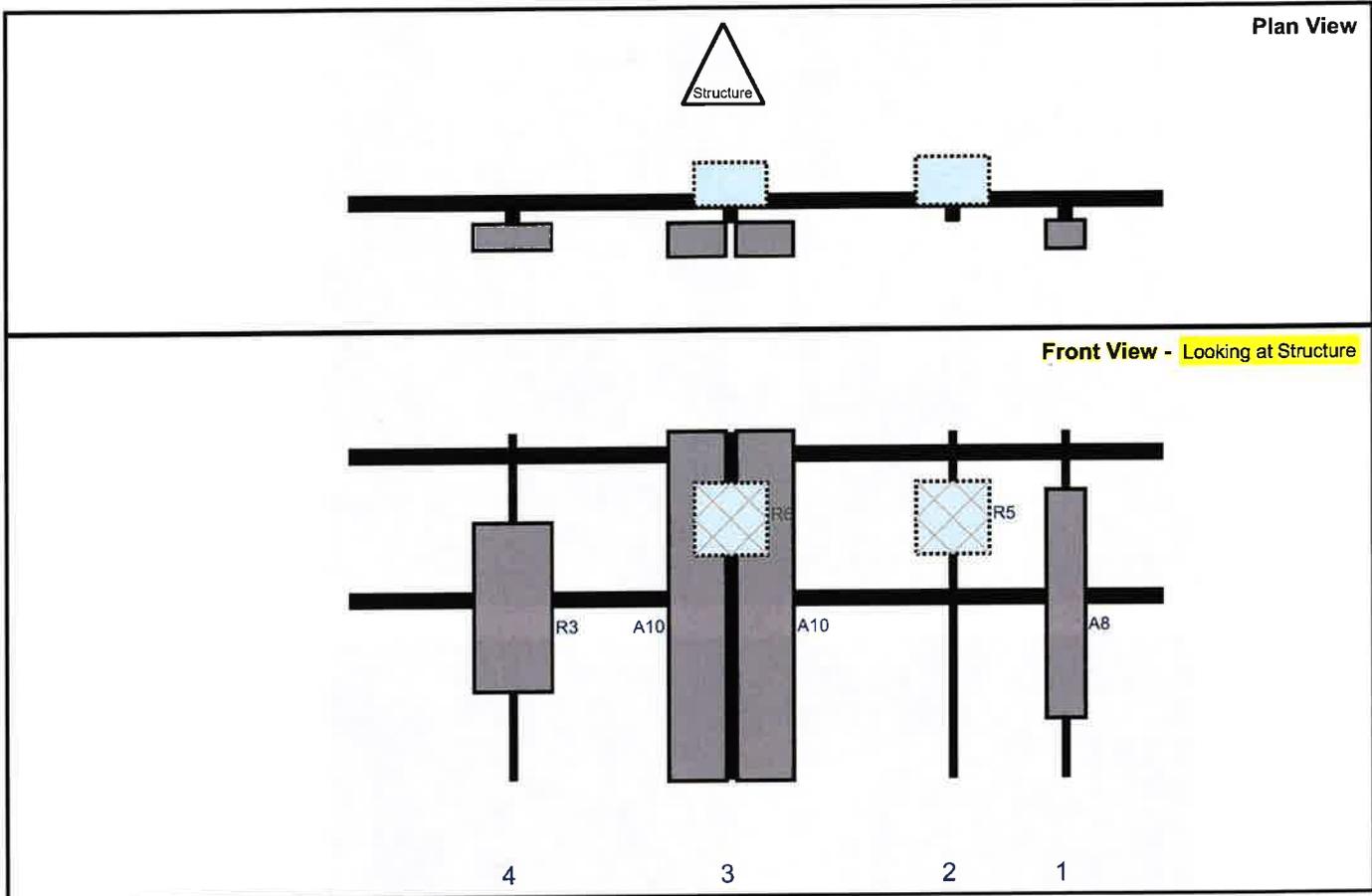
Sector: C  
 Structure Type: Monopole  
 Mount Elev: 105.00

10207597

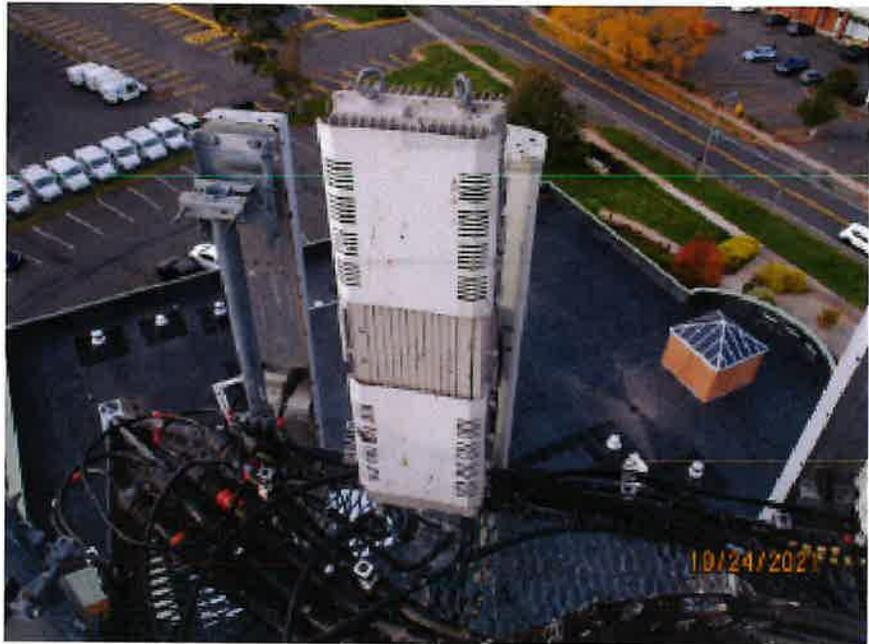
7/19/2023



Page: 3

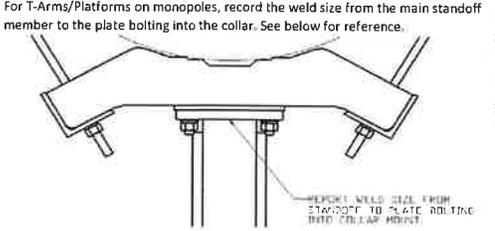
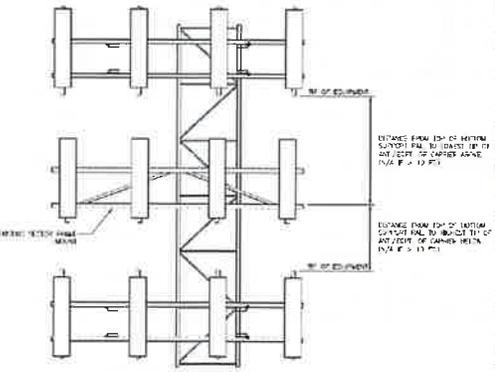
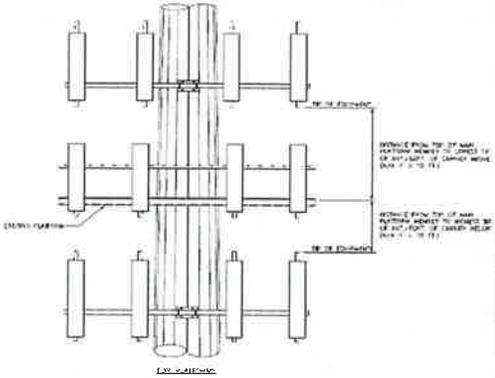


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A8	BXA-80080-4CF-EDIN-0	47.5	8	147.75	1	a	Front	36	0	Retained	10/24/2021
R5	RF4439d-25A	15	15	124.5	2	a	Behind	18	0	Retained	
A10	SBNHH-1D65B	72.6	11.9	78.75	3	a	Front	36	7	Retained	10/24/2021
A10	SBNHH-1D65B	72.6	11.9	78.75	3	b	Front	36	-7	Retained	10/24/2021
R6	RF4440d-13A	15	15	78.75	3	a	Behind	18	0	Retained	
R3	MT6407-77A	35.1	16.1	33.75	4	a	Front	36	0	Retained	





Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B								
Sector A:	0.00	Deg	Leg A:		Deg	Ant <sub>1a</sub>										
Sector B:	120.00	Deg	Leg B:		Deg	Ant <sub>1b</sub>	BXA-80063-4BF-EDIN	11.00	5.50	45.00		104.042	34.00	9.00	120.00	145
Sector C:	240.00	Deg	Leg C:		Deg	Ant <sub>1c</sub>										
Sector D:		Deg	Leg D:		Deg	Ant <sub>2a</sub>	B4 RRH2X60-4R	10.50	5.75	36.50		105.167	20.50	-7.00		145
						Ant <sub>2b</sub>	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	120.00	145
						Ant <sub>2c</sub>										
Climbing Facility Information							Ant <sub>2d</sub>									
Location:	240.00	Deg	Sector C			Ant <sub>3a</sub>	3JR53386AAAL 3	12.00	7.50	21.00		104.625	27.00	-5.00		146
Climbing Facility	Corrosion Type:	N/A				Ant <sub>3b</sub>	SLCP 2X6014	14.00	11.00	53.00		104.208	32.00	10.00	120.00	146
	Access:	Climbing path was unobstructed.				Ant <sub>3c</sub>										
	Condition:	Good condition.				Ant <sub>4a</sub>										
						Ant <sub>4b</sub>	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	120.00	147
						Ant <sub>4c</sub>										
						Ant <sub>5a</sub>										
						Ant <sub>5b</sub>										
						Ant <sub>5c</sub>										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										
Please insert a photo of the mount centerline measurement here.							Sector C									
						Ant <sub>1a</sub>										
						Ant <sub>1b</sub>	BXA-80080-4CF-EDIN	8.00	6.00	47.50		104.042	34.00	9.00	280.00	149
						Ant <sub>1c</sub>										
						Ant <sub>2a</sub>	B4 RRH2X60-4R	10.50	5.75	36.50		105.167	20.50	-7.00		149
						Ant <sub>2b</sub>	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	280.00	149
						Ant <sub>2c</sub>										
						Ant <sub>3a</sub>	3JR53386AAAL 3	12.00	7.50	21.00		104.625	27.00	-5.00		150
						Ant <sub>3b</sub>	SLCP 2X6014	14.00	11.00	53.00		104.208	32.00	10.00	280.00	150
						Ant <sub>3c</sub>										
						Ant <sub>4a</sub>										
						Ant <sub>4b</sub>	UNKNOWN PANEL	12.00	7.50	73.50		104.167	32.50	10.50	280.00	152
						Ant <sub>4c</sub>										
						Ant <sub>5a</sub>										
						Ant <sub>5b</sub>										
						Ant <sub>5c</sub>										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										
						Sector D										
						Ant <sub>1a</sub>										
						Ant <sub>1b</sub>										
						Ant <sub>1c</sub>										
						Ant <sub>2a</sub>										
						Ant <sub>2b</sub>										
						Ant <sub>2c</sub>										
						Ant <sub>3a</sub>										
						Ant <sub>3b</sub>										
						Ant <sub>3c</sub>										
						Ant <sub>4a</sub>										
						Ant <sub>4b</sub>										
						Ant <sub>4c</sub>										
						Ant <sub>5a</sub>										
						Ant <sub>5b</sub>										
						Ant <sub>5c</sub>										
						Ant on Standoff										
						Ant on Standoff										
						Ant on Tower										
						Ant on Tower										



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

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

Mapping Notes
<ol style="list-style-type: none"> <li>1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)</li> <li>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.</li> <li>3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.</li> <li>4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.</li> <li>5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.</li> <li>6. Please measure and report the size and length of all existing antenna mounting pipes.</li> <li>7. Please measure and report the antenna information for all sectors.</li> <li>8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.</li> </ol>

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.



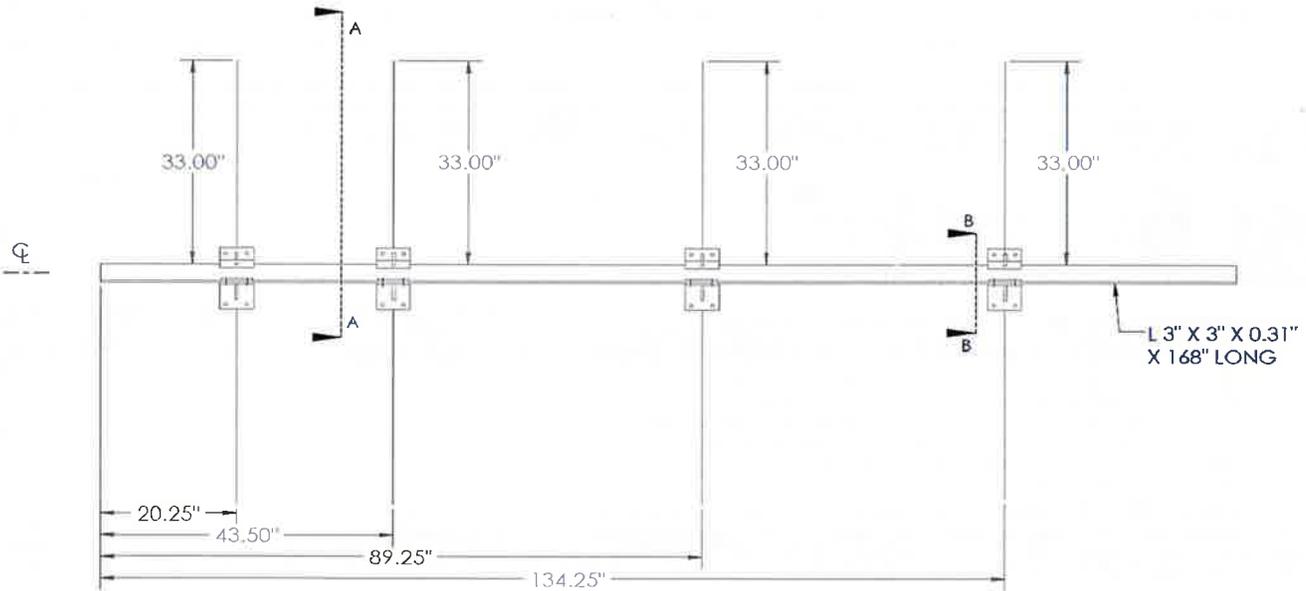
**Antenna Mount Mapping Form (PATENT PENDING)**

FCC #  
UNKNOWN

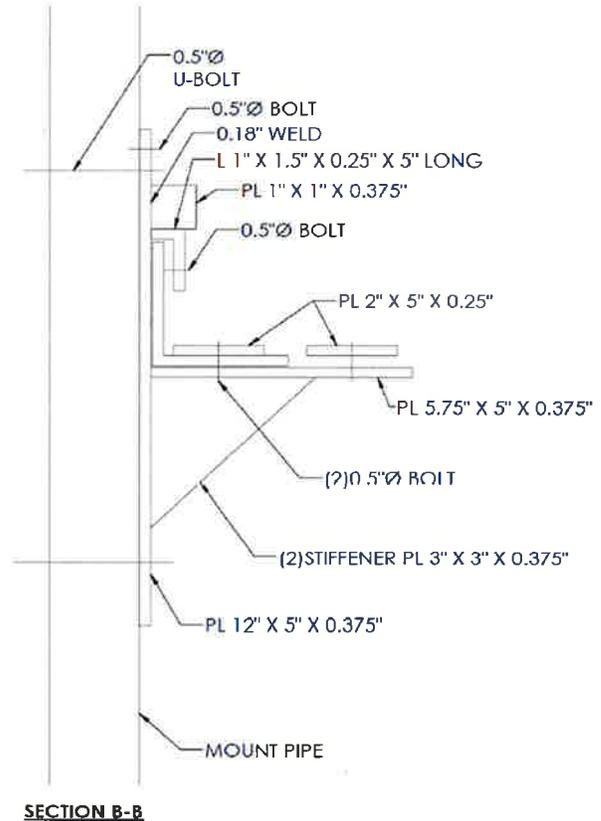
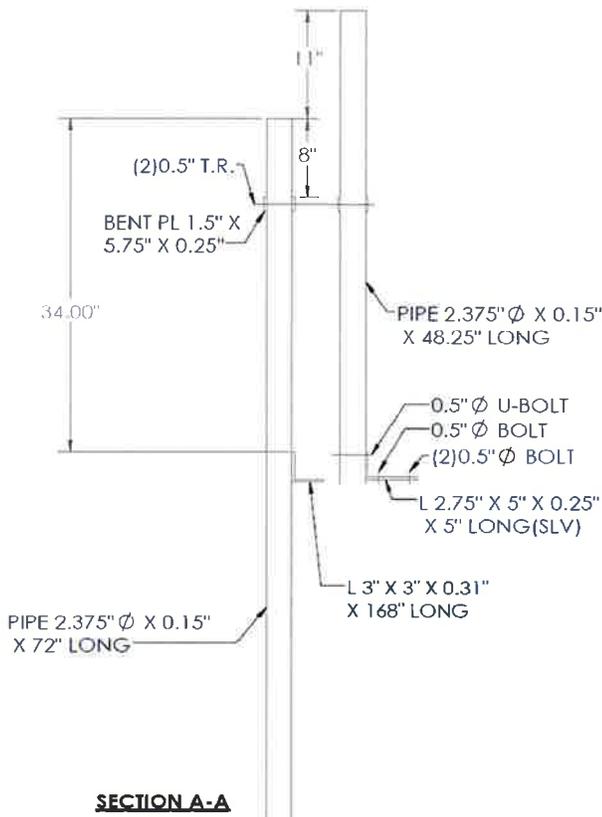
Tower Owner:	UNKNOWN	Mapping Date:	10/24/2021
Site Name:	VZW: Bloomfield 3 CT	Tower Type:	Monopole
Site Number or ID:	VZW: 468782	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	104

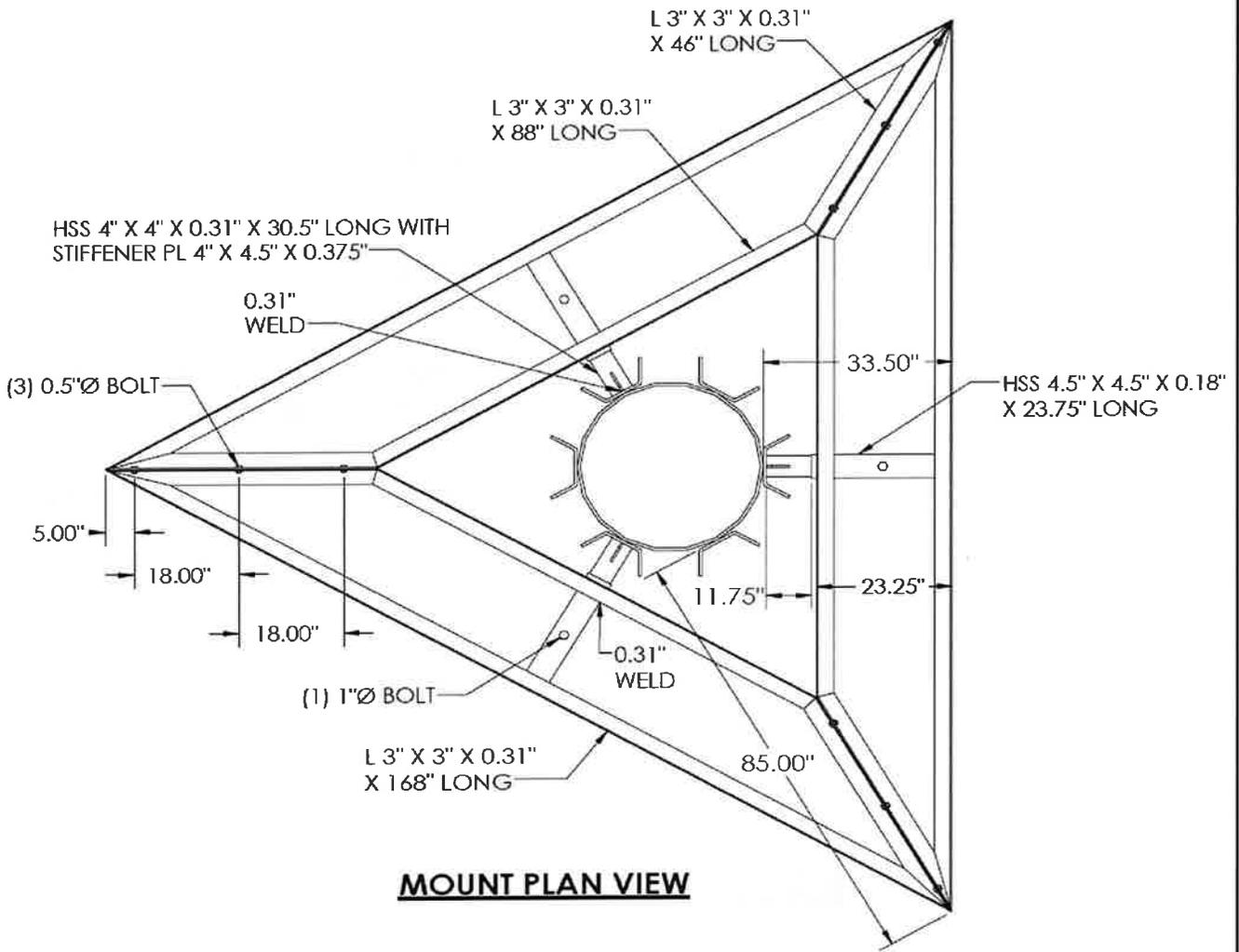
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

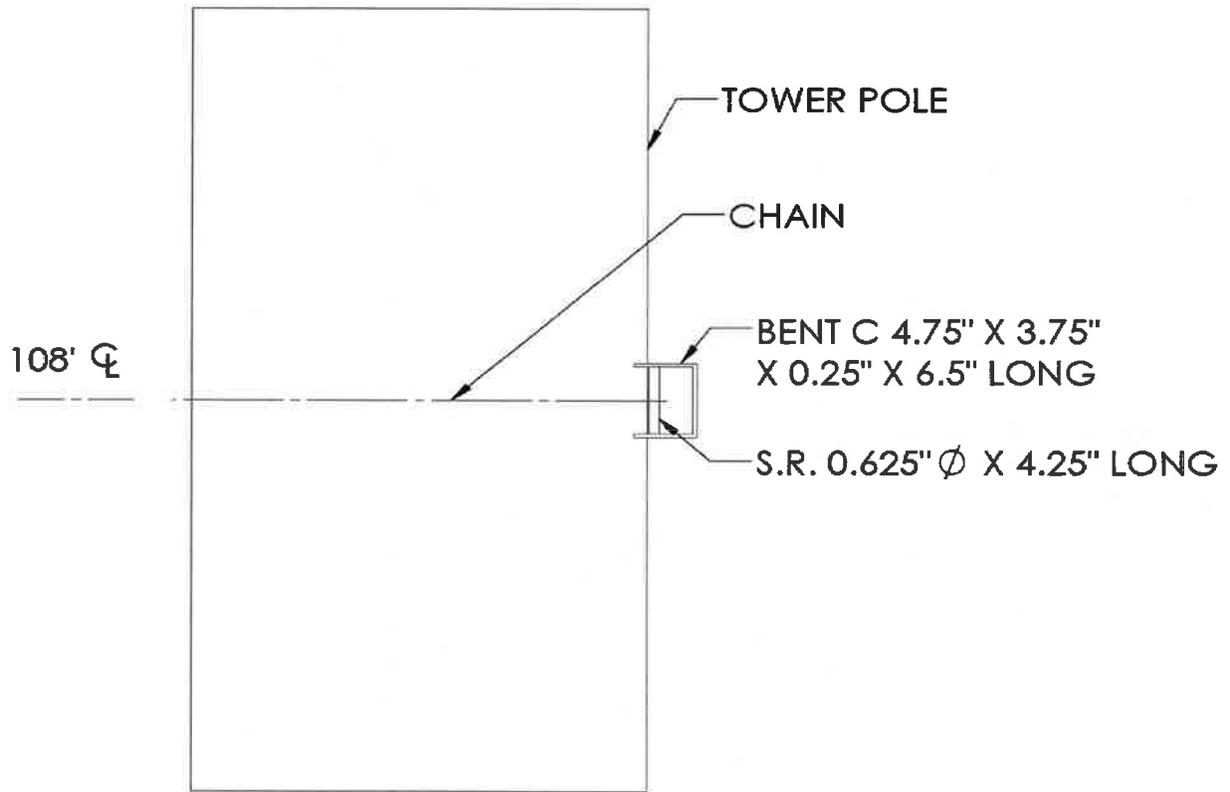
Please Insert Sketches of the Antenna Mount



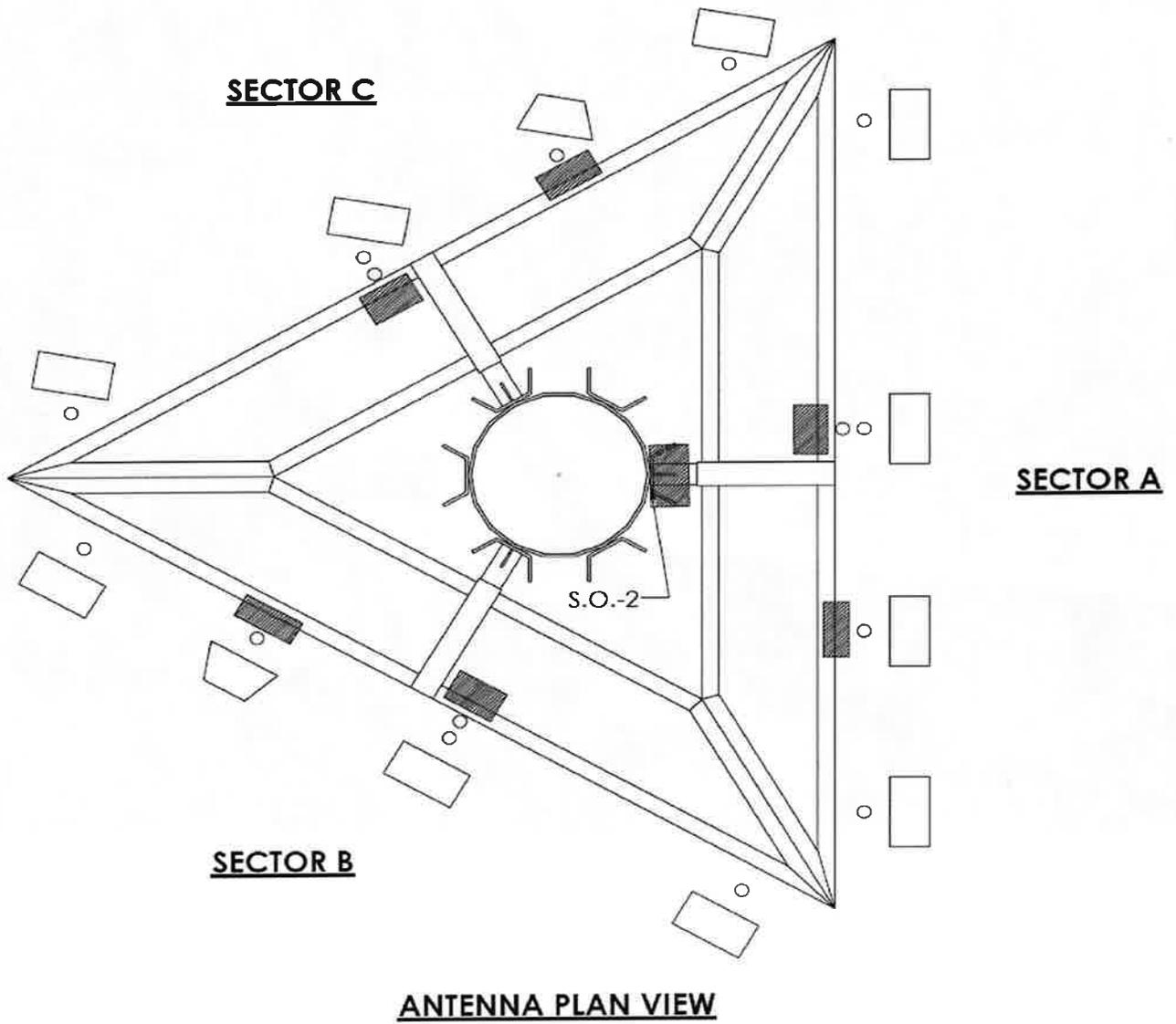
**SECTOR A, B & C**



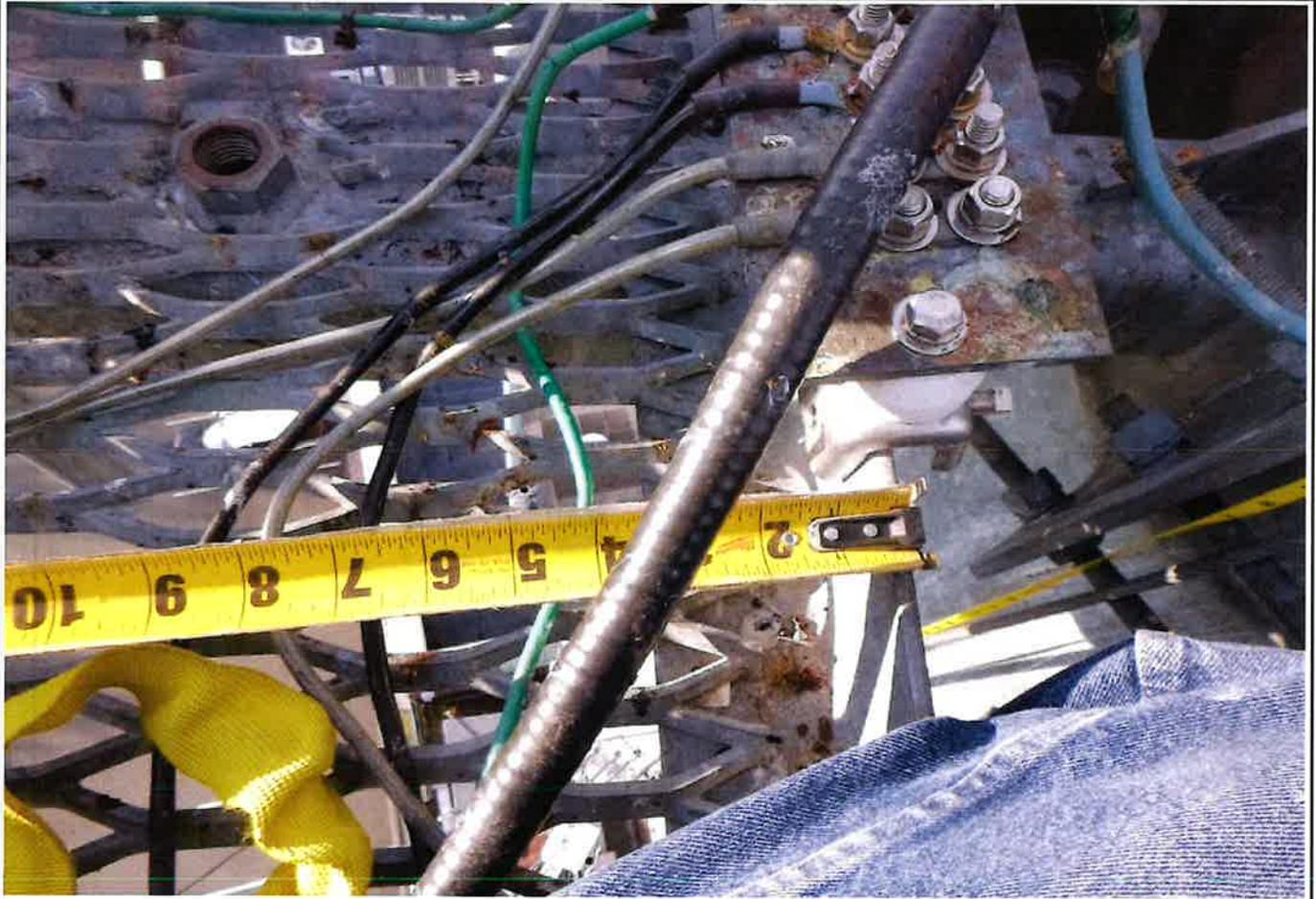


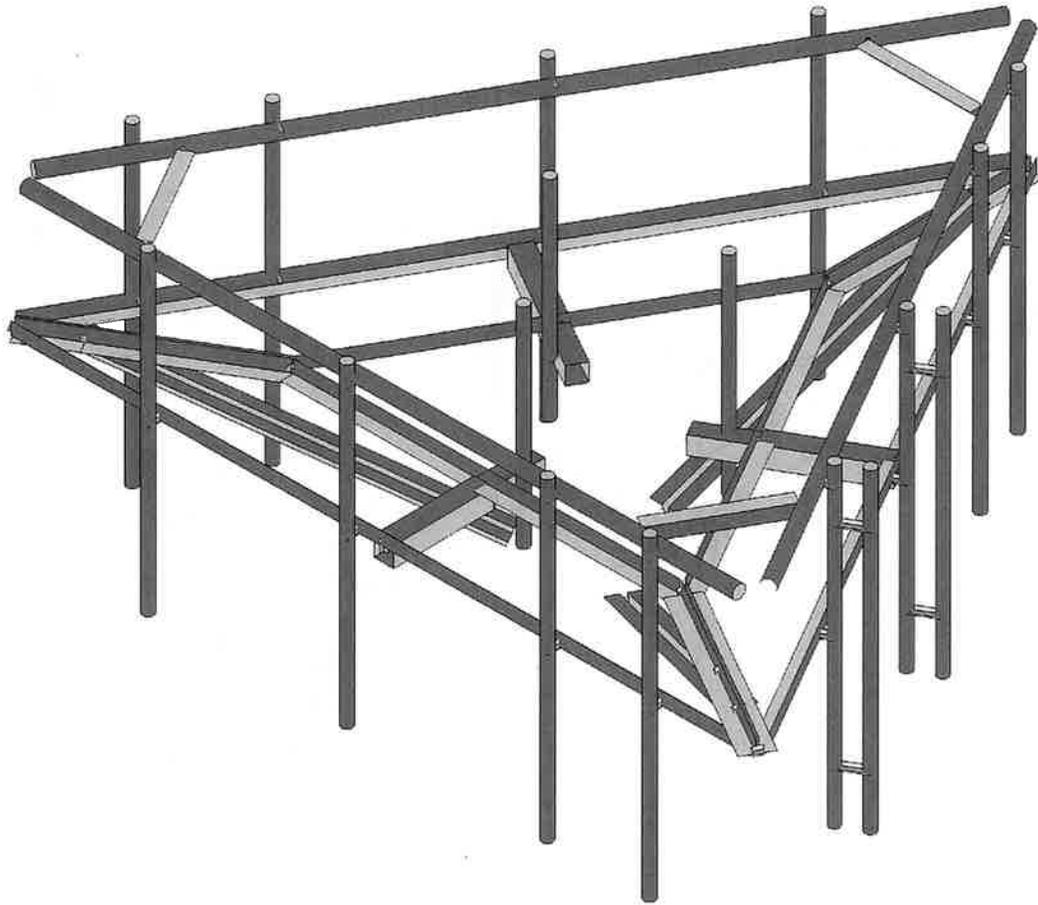


**S.O.-2**



Please Insert Sketches of the Antenna Mount, cont'd





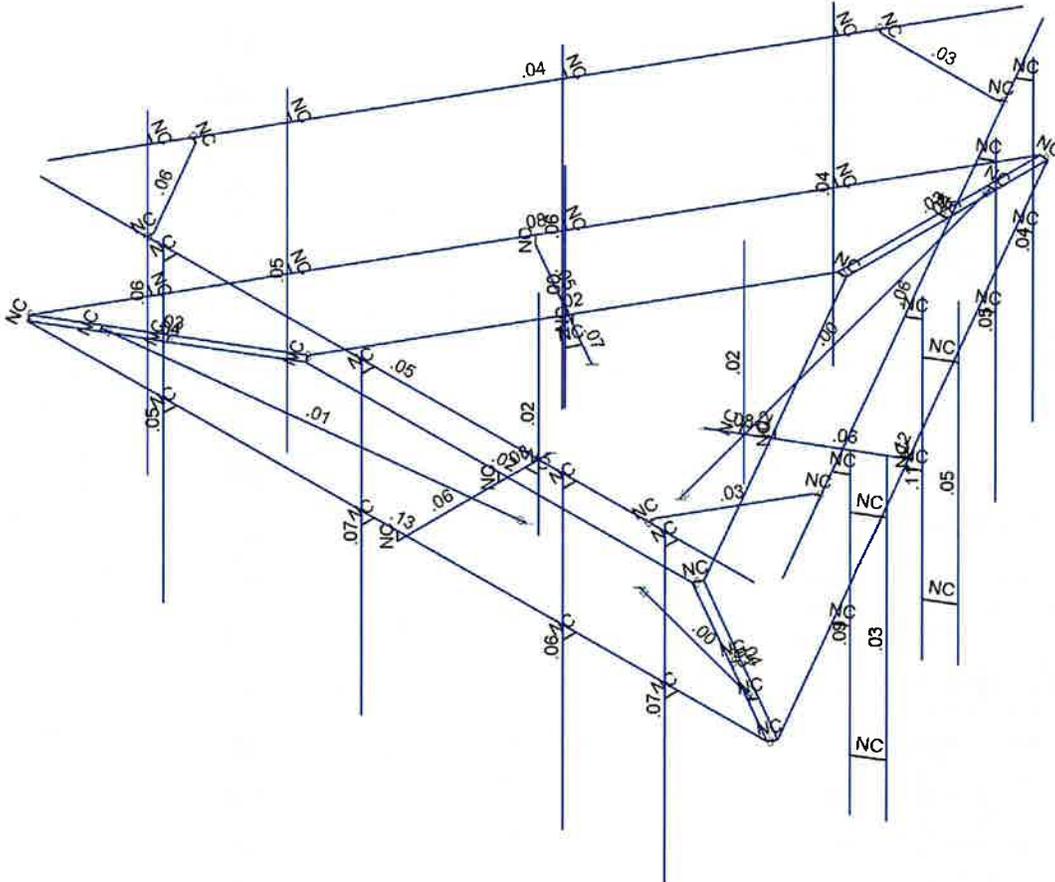
Envelope Only Solution


SK - 1

July 20, 2023 at 9:19 AM

5000383112-VZW\_MT\_LO\_H.r3d





Member Shear Checks Displayed (Enveloped)  
Envelope Only Solution

	SK - 3
	July 20, 2023 at 9:19 AM
	5000383112-VZW_MT_LO_H.r3d



Company :  
 Designer :  
 Job Number :  
 Model Name :

July 20, 2023  
 9:19 AM  
 Checked By: \_\_\_\_\_

**Basic Load Cases**

BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
1 Antenna D	None					102		
2 Antenna Di	None					102		
3 Antenna Wo (0 Deg)	None					102		
4 Antenna Wo (30 Deg)	None					102		
5 Antenna Wo (60 Deg)	None					102		
6 Antenna Wo (90 Deg)	None					102		
7 Antenna Wo (120 Deg)	None					102		
8 Antenna Wo (150 Deg)	None					102		
9 Antenna Wo (180 Deg)	None					102		
10 Antenna Wo (210 Deg)	None					102		
11 Antenna Wo (240 Deg)	None					102		
12 Antenna Wo (270 Deg)	None					102		
13 Antenna Wo (300 Deg)	None					102		
14 Antenna Wo (330 Deg)	None					102		
15 Antenna Wi (0 Deg)	None					102		
16 Antenna Wi (30 Deg)	None					102		
17 Antenna Wi (60 Deg)	None					102		
18 Antenna Wi (90 Deg)	None					102		
19 Antenna Wi (120 Deg)	None					102		
20 Antenna Wi (150 Deg)	None					102		
21 Antenna Wi (180 Deg)	None					102		
22 Antenna Wi (210 Deg)	None					102		
23 Antenna Wi (240 Deg)	None					102		
24 Antenna Wi (270 Deg)	None					102		
25 Antenna Wi (300 Deg)	None					102		
26 Antenna Wi (330 Deg)	None					102		
27 Antenna Wm (0 Deg)	None					102		
28 Antenna Wm (30 Deg)	None					102		
29 Antenna Wm (60 Deg)	None					102		
30 Antenna Wm (90 Deg)	None					102		
31 Antenna Wm (120 Deg)	None					102		
32 Antenna Wm (150 Deg)	None					102		
33 Antenna Wm (180 Deg)	None					102		
34 Antenna Wm (210 Deg)	None					102		
35 Antenna Wm (240 Deg)	None					102		
36 Antenna Wm (270 Deg)	None					102		
37 Antenna Wm (300 Deg)	None					102		
38 Antenna Wm (330 Deg)	None					102		
39 Structure D	None		-1					3
40 Structure Di	None						44	3
41 Structure Wo (0 Deg)	None						88	
42 Structure Wo (30 Deg)	None						88	
43 Structure Wo (60 Deg)	None						88	
44 Structure Wo (90 Deg)	None						88	
45 Structure Wo (120 D...	None						88	
46 Structure Wo (150 D...	None						88	
47 Structure Wo (180 D...	None						88	
48 Structure Wo (210 D...	None						88	
49 Structure Wo (240 D...	None						88	
50 Structure Wo (270 D...	None						88	
51 Structure Wo (300 D...	None						88	
52 Structure Wo (330 D...	None						88	
53 Structure Wi (0 Deg)	None						88	



Company  
Designer  
Job Number  
Model Name

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**Basic Load Cases (Continued)**

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						88	
55	Structure Wi (60 Deg)	None						88	
56	Structure Wi (90 Deg)	None						88	
57	Structure Wi (120 De..	None						88	
58	Structure Wi (150 De..	None						88	
59	Structure Wi (180 De..	None						88	
60	Structure Wi (210 De..	None						88	
61	Structure Wi (240 De..	None						88	
62	Structure Wi (270 De..	None						88	
63	Structure Wi (300 De..	None						88	
64	Structure Wi (330 De..	None						88	
65	Structure Wm (0 Deg)	None						88	
66	Structure Wm (30 De..	None						88	
67	Structure Wm (60 De..	None						88	
68	Structure Wm (90 De..	None						88	
69	Structure Wm (120 D..	None						88	
70	Structure Wm (150 D..	None						88	
71	Structure Wm (180 D..	None						88	
72	Structure Wm (210 D..	None						88	
73	Structure Wm (240 D..	None						88	
74	Structure Wm (270 D..	None						88	
75	Structure Wm (300 D..	None						88	
76	Structure Wm (330 D..	None						88	
77	Lm1	None					1		
78	Lm2	None					1		
79	Lv1	None					1		
80	Lv2	None					1		
81	Antenna Ev	None					102		
82	Antenna Eh (0 Deg)	None					68		
83	Antenna Eh (90 Deg)	None					68		
84	Structure Ev	ELY		-039					3
85	Structure Eh (0 Deg)	ELZ			-097				3
86	Structure Eh (90 Deg)	ELX	.097						3
87	BLC 39 Transient Are..	None						34	
88	BLC 40 Transient Are..	None						34	
89	BLC 84 Transient Are..	None						34	
90	BLC 85 Transient Are..	None						34	
91	BLC 86 Transient Are..	None						34	

**Load Combinations**

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**Load Combinations (Continued)**

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...			
15	1.2D + 1.0Di + 1.0Wi (6...Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1																						
16	1.2D + 1.0Di + 1.0Wi (9...Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1																						
17	1.2D + 1.0Di + 1.0Wi (1...Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1																						
18	1.2D + 1.0Di + 1.0Wi (1...Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1																						
19	1.2D + 1.0Di + 1.0Wi (1...Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1																						
20	1.2D + 1.0Di + 1.0Wi (2...Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1																						
21	1.2D + 1.0Di + 1.0Wi (2...Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1																						
22	1.2D + 1.0Di + 1.0Wi (2...Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1																						
23	1.2D + 1.0Di + 1.0Wi (3...Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1																						
24	1.2D + 1.0Di + 1.0Wi (3...Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1																						
25	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1																								
26	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1																								
27	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1																								
28	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1																								
29	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1																								
30	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1																								
31	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1																								
32	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1																								
33	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1																								
34	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1																								
35	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1																								
36	1.2D + 1.5Lm1 + 1.0W... Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1																								
37	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1																								
38	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1																								
39	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1																								
40	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1																								
41	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1																								
42	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1																								
43	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1																								
44	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1																								
45	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1																								
46	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1																								
47	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1																								
48	1.2D + 1.5Lm2 + 1.0W... Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1																								
49	1.2D + 1.5Lv1	Yes	Y	1	1.2	39	1.2	79	1.5																												
50	1.2D + 1.5Lv2	Yes	Y	1	1.2	39	1.2	80	1.5																												
51	1.4D	Yes	Y	1	1.4	39	1.4																														
52	1.2D + 1.0Ev + 1.0Eh (0...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...																			
53	1.2D + 1.0Ev + 1.0Eh (3...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5																		
54	1.2D + 1.0Ev + 1.0Eh (6...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866																		
55	1.2D + 1.0Ev + 1.0Eh (9...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1																		
56	1.2D + 1.0Ev + 1.0Eh (1...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866																		
57	1.2D + 1.0Ev + 1.0Eh (1...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5																		
58	1.2D + 1.0Ev + 1.0Eh (1...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...																			
59	1.2D + 1.0Ev + 1.0Eh (2...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5																		
60	1.2D + 1.0Ev + 1.0Eh (2...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866																		
61	1.2D + 1.0Ev + 1.0Eh (2...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1																		
62	1.2D + 1.0Ev + 1.0Eh (3...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866																		
63	1.2D + 1.0Ev + 1.0Eh (3...Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5																		
64	0.9D - 1.0Ev + 1.0Eh (0...Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...																			
65	0.9D - 1.0Ev + 1.0Eh (3...Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5																		
66	0.9D - 1.0Ev + 1.0Eh (6...Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866																		
67	0.9D - 1.0Ev + 1.0Eh (9...Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1																		
68	0.9D - 1.0Ev + 1.0Eh (1...Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866																		
69	0.9D - 1.0Ev + 1.0Eh (1...Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5																		
70	0.9D - 1.0Ev + 1.0Eh (1...Yes	Y		1	.9	39	.9	81	-1	E...																											



Company :  
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**Load Combinations (Continued)**

	Description	S...	PDelta	S...	B...	Fa...																	
72	0.9D - 1.0Ev + 1.0Eh (2...)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866			
73	0.9D - 1.0Ev + 1.0Eh (2...)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1			
74	0.9D - 1.0Ev + 1.0Eh (3...)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866			
75	0.9D - 1.0Ev + 1.0Eh (3...)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5			

**Joint Coordinates and Temperatures**

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



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**Joint Coordinates and Temperatures (Continued)**

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



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Designer  
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**Joint Coordinates and Temperatures (Continued)**

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



Company :  
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### Hot Rolled Steel Section Sets

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

### Hot Rolled Steel Properties

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

### Member Primary Data

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



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**Member Primary Data (Continued)**

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



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**Member Primary Data (Continued)**

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

**Member Advanced Data**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes				None
2	M2						Yes				None
3	M3						Yes				None
4	M4						Yes				None
5	M5						Yes				None
6	M22						Yes	** NA **			None
7	M23						Yes	** NA **			None
8	M8						Yes				None
9	M9						Yes				None
10	M10						Yes				None
11	M11						Yes				None
12	M12						Yes				None
13	M13						Yes				None
14	M14						Yes	** NA **			None
15	M15						Yes	** NA **			None
16	M16						Yes				None
17	M17						Yes				None
18	M18						Yes				None
19	M19						Yes				None
20	M20						Yes				None
21	M21						Yes				None
22	M22A						Yes	** NA **			None
23	M23A						Yes	** NA **			None
24	M24						Yes				None
25	M25	OOOXOO					Yes	** NA **			None
26	M26	OOOXOO					Yes	** NA **			None
27	M27	OOOXOO					Yes	** NA **			None
28	M28	OOOXOO					Yes	** NA **			None
29	M29	OOOXOO					Yes	** NA **			None
30	M30	OOOXOO					Yes	** NA **			None
31	M31	OOOXOO					Yes	** NA **			None
32	M32	OOOXOO					Yes	** NA **			None
33	M33	OOOXOO					Yes	** NA **			None
34	M34						Yes	** NA **			None
35	MP1A						Yes	** NA **			None
36	M36						Yes	** NA **			None
37	MP2A						Yes	** NA **			None
38	M38						Yes	** NA **			None
39	MP3A						Yes	** NA **			None
40	M40						Yes	** NA **			None
41	MP4A						Yes	** NA **			None
42	M42						Yes	** NA **			None
43	MP1C						Yes	** NA **			None
44	M44						Yes	** NA **			None



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**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
45	MP2C						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	MP3CA						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	MP4CA						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	MP1B						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	MP2B						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	MP3B						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	MP4B						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	MP3C						Yes	** NA **			None
61	M61						Yes	** 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	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76		000000				Yes	** NA **			None
77	M77		000000				Yes	** NA **			None
78	M78		000000				Yes	** NA **			None
79	M79		000000				Yes	** NA **			None
80	M80		000000				Yes	** NA **			None
81	M81		000000				Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86	BenPIN	BenPIN				Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88	BenPIN	BenPIN				Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90	BenPIN	BenPIN				Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	MP4C						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M99						Yes	** NA **			None



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	Y	-32	1
2	M97	My	0	1
3	M97	Mz	0	1
4	M95	Y	-32	1
5	M95	My	0	1
6	M95	Mz	0	1
7	MP4A	Y	-43.55	2
8	MP4A	My	-.022	2
9	MP4A	Mz	0	2
10	MP4A	Y	-43.55	4
11	MP4A	My	-.022	4
12	MP4A	Mz	0	4
13	MP4B	Y	-43.55	2
14	MP4B	My	.011	2
15	MP4B	Mz	-.019	2
16	MP4B	Y	-43.55	4
17	MP4B	My	.011	4
18	MP4B	Mz	-.019	4
19	MP4C	Y	-43.55	2
20	MP4C	My	0	2
21	MP4C	Mz	.022	2
22	MP4C	Y	-43.55	4
23	MP4C	My	0	4
24	MP4C	Mz	.022	4
25	MP2A	Y	-74.7	1.5
26	MP2A	My	.037	1.5
27	MP2A	Mz	0	1.5
28	MP2B	Y	-74.7	1.5
29	MP2B	My	-.019	1.5
30	MP2B	Mz	.032	1.5
31	MP2C	Y	-74.7	1.5
32	MP2C	My	0	1.5
33	MP2C	Mz	-.037	1.5
34	MP3A	Y	-70.3	1.5
35	MP3A	My	.035	1.5
36	MP3A	Mz	0	1.5
37	MP3B	Y	-70.3	1.5
38	MP3B	My	-.018	1.5
39	MP3B	Mz	.03	1.5
40	MP3C	Y	-70.3	1.5
41	MP3C	My	0	1.5
42	MP3C	Mz	-.035	1.5
43	MP1B	Y	-9.6	.5
44	MP1B	My	.002	.5
45	MP1B	Mz	-.004	.5
46	MP1B	Y	-9.6	5.5
47	MP1B	My	.002	5.5
48	MP1B	Mz	-.004	5.5
49	MP1C	Y	-6	1.5
50	MP1C	My	0	1.5
51	MP1C	Mz	.003	1.5
52	MP1C	Y	-6	4.5
53	MP1C	My	0	4.5
54	MP1C	Mz	.003	4.5
55	MP1A	Y	-9	.5
56	MP1A	My	-.004	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
57	MP1A	Mz	0	.5
58	MP1A	Y	-9	5.5
59	MP1A	Mv	-.004	5.5
60	MP1A	Mz	0	5.5
61	MP3A	Y	-20	.5
62	MP3A	My	-.01	.5
63	MP3A	Mz	.012	.5
64	MP3A	Y	-20	5.5
65	MP3A	Mv	-.01	5.5
66	MP3A	Mz	.012	5.5
67	MP3B	Y	-20	.5
68	MP3B	My	-.005	.5
69	MP3B	Mz	-.014	.5
70	MP3B	Y	-20	5.5
71	MP3B	My	-.005	5.5
72	MP3B	Mz	-.014	5.5
73	MP3C	Y	-20	.5
74	MP3C	My	.012	.5
75	MP3C	Mz	.01	.5
76	MP3C	Y	-20	5.5
77	MP3C	Mv	.012	5.5
78	MP3C	Mz	.01	5.5
79	MP3A	Y	-20	.5
80	MP3A	My	-.01	.5
81	MP3A	Mz	-.012	.5
82	MP3A	Y	-20	5.5
83	MP3A	My	-.01	5.5
84	MP3A	Mz	-.012	5.5
85	MP3B	Y	-20	.5
86	MP3B	My	.015	.5
87	MP3B	Mz	-.003	.5
88	MP3B	Y	-20	5.5
89	MP3B	My	.015	5.5
90	MP3B	Mz	-.003	5.5
91	MP3C	Y	-20	.5
92	MP3C	My	-.012	.5
93	MP3C	Mz	.01	.5
94	MP3C	Y	-20	5.5
95	MP3C	Mv	-.012	5.5
96	MP3C	Mz	.01	5.5
97	M61	Y	-17.6	5.5
98	M61	My	-.003	5.5
99	M61	Mz	0	5.5
100	M61	Y	-17.6	5.5
101	M61	My	.003	5.5
102	M61	Mz	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M97	Y	-133.963	1
2	M97	My	0	1
3	M97	Mz	0	1
4	M95	Y	-133.963	1
5	M95	My	0	1
6	M95	Mz	0	1
7	MP4A	Y	-54.72	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
8	MP4A	My	-.027	2
9	MP4A	Mz	0	2
10	MP4A	Y	-54.72	4
11	MP4A	My	-.027	4
12	MP4A	Mz	0	4
13	MP4B	Y	-54.72	2
14	MP4B	My	.014	2
15	MP4B	Mz	-.024	2
16	MP4B	Y	-54.72	4
17	MP4B	My	.014	4
18	MP4B	Mz	-.024	4
19	MP4C	Y	-54.72	2
20	MP4C	My	0	2
21	MP4C	Mz	.027	2
22	MP4C	Y	-54.72	4
23	MP4C	My	0	4
24	MP4C	Mz	.027	4
25	MP2A	Y	-69.503	1.5
26	MP2A	My	.035	1.5
27	MP2A	Mz	0	1.5
28	MP2B	Y	-69.503	1.5
29	MP2B	My	-.017	1.5
30	MP2B	Mz	.03	1.5
31	MP2C	Y	-69.503	1.5
32	MP2C	My	0	1.5
33	MP2C	Mz	-.035	1.5
34	MP3A	Y	-66.296	1.5
35	MP3A	My	.033	1.5
36	MP3A	Mz	0	1.5
37	MP3B	Y	-66.296	1.5
38	MP3B	My	-.017	1.5
39	MP3B	Mz	.029	1.5
40	MP3C	Y	-66.296	1.5
41	MP3C	My	0	1.5
42	MP3C	Mz	-.033	1.5
43	MP1B	Y	-77.625	.5
44	MP1B	My	.019	.5
45	MP1B	Mz	-.034	.5
46	MP1B	Y	-77.625	5.5
47	MP1B	My	.019	5.5
48	MP1B	Mz	-.034	5.5
49	MP1C	Y	-47.799	1.5
50	MP1C	My	0	1.5
51	MP1C	Mz	.024	1.5
52	MP1C	Y	-47.799	4.5
53	MP1C	My	0	4.5
54	MP1C	Mz	.024	4.5
55	MP1A	Y	-69.019	.5
56	MP1A	My	-.035	.5
57	MP1A	Mz	0	.5
58	MP1A	Y	-69.019	5.5
59	MP1A	My	-.035	5.5
60	MP1A	Mz	0	5.5
61	MP3A	Y	-93.442	.5
62	MP3A	My	-.047	.5
63	MP3A	Mz	.055	.5
64	MP3A	Y	-93.442	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
65	MP3A	My	-.047	5.5
66	MP3A	Mz	.055	5.5
67	MP3B	Y	-93.442	.5
68	MP3B	My	-.024	.5
69	MP3B	Mz	-.068	.5
70	MP3B	Y	-93.442	5.5
71	MP3B	My	-.024	5.5
72	MP3B	Mz	-.068	5.5
73	MP3C	Y	-93.442	.5
74	MP3C	My	.055	.5
75	MP3C	Mz	.047	.5
76	MP3C	Y	-93.442	5.5
77	MP3C	My	.055	5.5
78	MP3C	Mz	.047	5.5
79	MP3A	Y	-93.442	.5
80	MP3A	My	-.047	.5
81	MP3A	Mz	-.055	.5
82	MP3A	Y	-93.442	5.5
83	MP3A	My	-.047	5.5
84	MP3A	Mz	-.055	5.5
85	MP3B	Y	-93.442	.5
86	MP3B	My	.071	.5
87	MP3B	Mz	-.013	.5
88	MP3B	Y	-93.442	5.5
89	MP3B	My	.071	5.5
90	MP3B	Mz	-.013	5.5
91	MP3C	Y	-93.442	.5
92	MP3C	My	-.055	.5
93	MP3C	Mz	.047	.5
94	MP3C	Y	-93.442	5.5
95	MP3C	My	-.055	5.5
96	MP3C	Mz	.047	5.5
97	M61	Y	-27.901	5.5
98	M61	My	-.005	5.5
99	M61	Mz	0	5.5
100	M61	Y	-27.901	5.5
101	M61	My	.005	5.5
102	M61	Mz	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M97	X	0	1
2	M97	Z	-127.211	1
3	M97	Mx	0	1
4	M95	X	0	1
5	M95	Z	-127.211	1
6	M95	Mx	0	1
7	MP4A	X	0	2
8	MP4A	Z	-78.654	2
9	MP4A	Mx	0	2
10	MP4A	X	0	4
11	MP4A	Z	-78.654	4
12	MP4A	Mx	0	4
13	MP4B	X	0	2
14	MP4B	Z	-39.979	2
15	MP4B	Mx	.017	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
16	MP4B	X	0	4
17	MP4B	Z	-39.979	4
18	MP4B	Mx	.017	4
19	MP4C	X	0	2
20	MP4C	Z	-27.088	2
21	MP4C	Mx	-.014	2
22	MP4C	X	0	4
23	MP4C	Z	-27.088	4
24	MP4C	Mx	-.014	4
25	MP2A	X	0	1.5
26	MP2A	Z	-62.201	1.5
27	MP2A	Mx	0	1.5
28	MP2B	X	0	1.5
29	MP2B	Z	-46.852	1.5
30	MP2B	Mx	-.02	1.5
31	MP2C	X	0	1.5
32	MP2C	Z	-41.735	1.5
33	MP2C	Mx	.021	1.5
34	MP3A	X	0	1.5
35	MP3A	Z	-62.201	1.5
36	MP3A	Mx	0	1.5
37	MP3B	X	0	1.5
38	MP3B	Z	-43.842	1.5
39	MP3B	Mx	-.019	1.5
40	MP3C	X	0	1.5
41	MP3C	Z	-37.722	1.5
42	MP3C	Mx	.019	1.5
43	MP1B	X	0	.5
44	MP1B	Z	-97.139	.5
45	MP1B	Mx	.042	.5
46	MP1B	X	0	5.5
47	MP1B	Z	-97.139	5.5
48	MP1B	Mx	.042	5.5
49	MP1C	X	0	1.5
50	MP1C	Z	-56.038	1.5
51	MP1C	Mx	-.028	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	-56.038	4.5
54	MP1C	Mx	-.028	4.5
55	MP1A	X	0	.5
56	MP1A	Z	-115.574	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	5.5
59	MP1A	Z	-115.574	5.5
60	MP1A	Mx	0	5.5
61	MP3A	X	0	.5
62	MP3A	Z	-110.558	.5
63	MP3A	Mx	-.064	.5
64	MP3A	X	0	5.5
65	MP3A	Z	-110.558	5.5
66	MP3A	Mx	-.064	5.5
67	MP3B	X	0	.5
68	MP3B	Z	-63.305	.5
69	MP3B	Mx	.046	.5
70	MP3B	X	0	5.5
71	MP3B	Z	-63.305	5.5
72	MP3B	Mx	.046	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	MP3C	X	0	.5
74	MP3C	Z	-47.554	.5
75	MP3C	Mx	-.024	.5
76	MP3C	X	0	5.5
77	MP3C	Z	-47.554	5.5
78	MP3C	Mx	-.024	5.5
79	MP3A	X	0	.5
80	MP3A	Z	-110.558	.5
81	MP3A	Mx	.064	.5
82	MP3A	X	0	5.5
83	MP3A	Z	-110.558	5.5
84	MP3A	Mx	.064	5.5
85	MP3B	X	0	.5
86	MP3B	Z	-63.305	.5
87	MP3B	Mx	.009	.5
88	MP3B	X	0	5.5
89	MP3B	Z	-63.305	5.5
90	MP3B	Mx	.009	5.5
91	MP3C	X	0	.5
92	MP3C	Z	-47.554	.5
93	MP3C	Mx	-.024	.5
94	MP3C	X	0	5.5
95	MP3C	Z	-47.554	5.5
96	MP3C	Mx	-.024	5.5
97	M61	X	0	5.5
98	M61	Z	-38.525	5.5
99	M61	Mx	0	5.5
100	M61	X	0	5.5
101	M61	Z	-38.525	5.5
102	M61	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	59.793	1
2	M97	Z	-103.565	1
3	M97	Mx	0	1
4	M95	X	59.793	1
5	M95	Z	-103.565	1
6	M95	Mx	0	1
7	MP4A	X	32.881	2
8	MP4A	Z	-56.952	2
9	MP4A	Mx	-.016	2
10	MP4A	X	32.881	4
11	MP4A	Z	-56.952	4
12	MP4A	Mx	-.016	4
13	MP4B	X	13.544	2
14	MP4B	Z	-23.459	2
15	MP4B	Mx	.014	2
16	MP4B	X	13.544	4
17	MP4B	Z	-23.459	4
18	MP4B	Mx	.014	4
19	MP4C	X	19.99	2
20	MP4C	Z	-34.623	2
21	MP4C	Mx	-.017	2
22	MP4C	X	19.99	4
23	MP4C	Z	-34.623	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
24	MP4C	Mx	-.017	4
25	MP2A	X	28.542	1.5
26	MP2A	Z	-49.437	1.5
27	MP2A	Mx	.014	1.5
28	MP2B	X	20.867	1.5
29	MP2B	Z	-36.144	1.5
30	MP2B	Mx	-.021	1.5
31	MP2C	X	23.426	1.5
32	MP2C	Z	-40.575	1.5
33	MP2C	Mx	.02	1.5
34	MP3A	X	28.041	1.5
35	MP3A	Z	-48.568	1.5
36	MP3A	Mx	.014	1.5
37	MP3B	X	18.861	1.5
38	MP3B	Z	-32.668	1.5
39	MP3B	Mx	-.019	1.5
40	MP3C	X	21.921	1.5
41	MP3C	Z	-37.968	1.5
42	MP3C	Mx	.019	1.5
43	MP1B	X	40.481	.5
44	MP1B	Z	-70.115	.5
45	MP1B	Mx	.04	.5
46	MP1B	X	40.481	5.5
47	MP1B	Z	-70.115	5.5
48	MP1B	Mx	.04	5.5
49	MP1C	X	29.943	1.5
50	MP1C	Z	-51.863	1.5
51	MP1C	Mx	-.026	1.5
52	MP1C	X	29.943	4.5
53	MP1C	Z	-51.863	4.5
54	MP1C	Mx	-.026	4.5
55	MP1A	X	54.779	.5
56	MP1A	Z	-94.88	.5
57	MP1A	Mx	-.027	.5
58	MP1A	X	54.779	5.5
59	MP1A	Z	-94.88	5.5
60	MP1A	Mx	-.027	5.5
61	MP3A	X	47.403	.5
62	MP3A	Z	-82.105	.5
63	MP3A	Mx	-.072	.5
64	MP3A	X	47.403	5.5
65	MP3A	Z	-82.105	5.5
66	MP3A	Mx	-.072	5.5
67	MP3B	X	23.777	.5
68	MP3B	Z	-41.183	.5
69	MP3B	Mx	.024	.5
70	MP3B	X	23.777	5.5
71	MP3B	Z	-41.183	5.5
72	MP3B	Mx	.024	5.5
73	MP3C	X	31.652	.5
74	MP3C	Z	-54.823	.5
75	MP3C	Mx	-.009	.5
76	MP3C	X	31.652	5.5
77	MP3C	Z	-54.823	5.5
78	MP3C	Mx	-.009	5.5
79	MP3A	X	47.403	.5
80	MP3A	Z	-82.105	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
81	MP3A	Mx	.024	.5
82	MP3A	X	47.403	5.5
83	MP3A	Z	-82.105	5.5
84	MP3A	Mx	.024	5.5
85	MP3B	X	23.777	.5
86	MP3B	Z	-41.183	.5
87	MP3B	Mx	.024	.5
88	MP3B	X	23.777	5.5
89	MP3B	Z	-41.183	5.5
90	MP3B	Mx	.024	5.5
91	MP3C	X	31.652	.5
92	MP3C	Z	-54.823	.5
93	MP3C	Mx	-.046	.5
94	MP3C	X	31.652	5.5
95	MP3C	Z	-54.823	5.5
96	MP3C	Mx	-.046	5.5
97	M61	X	15.907	5.5
98	M61	Z	-27.552	5.5
99	M61	Mx	-.003	5.5
100	M61	X	15.907	5.5
101	M61	Z	-27.552	5.5
102	M61	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	90.359	1
2	M97	Z	-52.169	1
3	M97	Mx	0	1
4	M95	X	90.359	1
5	M95	Z	-52.169	1
6	M95	Mx	0	1
7	MP4A	X	34.623	2
8	MP4A	Z	-19.99	2
9	MP4A	Mx	-.017	2
10	MP4A	X	34.623	4
11	MP4A	Z	-19.99	4
12	MP4A	Mx	-.017	4
13	MP4B	X	34.623	2
14	MP4B	Z	-19.99	2
15	MP4B	Mx	.017	2
16	MP4B	X	34.623	4
17	MP4B	Z	-19.99	4
18	MP4B	Mx	.017	4
19	MP4C	X	56.952	2
20	MP4C	Z	-32.881	2
21	MP4C	Mx	-.016	2
22	MP4C	X	56.952	4
23	MP4C	Z	-32.881	4
24	MP4C	Mx	-.016	4
25	MP2A	X	40.575	1.5
26	MP2A	Z	-23.426	1.5
27	MP2A	Mx	.02	1.5
28	MP2B	X	40.575	1.5
29	MP2B	Z	-23.426	1.5
30	MP2B	Mx	-.02	1.5
31	MP2C	X	49.437	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
32	MP2C	Z	-28.542	1.5
33	MP2C	Mx	.014	1.5
34	MP3A	X	37.968	1.5
35	MP3A	Z	-21.921	1.5
36	MP3A	Mx	.019	1.5
37	MP3B	X	37.968	1.5
38	MP3B	Z	-21.921	1.5
39	MP3B	Mx	-.019	1.5
40	MP3C	X	48.568	1.5
41	MP3C	Z	-28.041	1.5
42	MP3C	Mx	.014	1.5
43	MP1B	X	84.125	.5
44	MP1B	Z	-48.57	.5
45	MP1B	Mx	.042	.5
46	MP1B	X	84.125	5.5
47	MP1B	Z	-48.57	5.5
48	MP1B	Mx	.042	5.5
49	MP1C	X	58.528	1.5
50	MP1C	Z	-33.791	1.5
51	MP1C	Mx	-.017	1.5
52	MP1C	X	58.528	4.5
53	MP1C	Z	-33.791	4.5
54	MP1C	Mx	-.017	4.5
55	MP1A	X	84.461	.5
56	MP1A	Z	-48.763	.5
57	MP1A	Mx	-.042	.5
58	MP1A	X	84.461	5.5
59	MP1A	Z	-48.763	5.5
60	MP1A	Mx	-.042	5.5
61	MP3A	X	54.823	.5
62	MP3A	Z	-31.652	.5
63	MP3A	Mx	-.046	.5
64	MP3A	X	54.823	5.5
65	MP3A	Z	-31.652	5.5
66	MP3A	Mx	-.046	5.5
67	MP3B	X	54.823	.5
68	MP3B	Z	-31.652	.5
69	MP3B	Mx	.009	.5
70	MP3B	X	54.823	5.5
71	MP3B	Z	-31.652	5.5
72	MP3B	Mx	.009	5.5
73	MP3C	X	82.105	.5
74	MP3C	Z	-47.403	.5
75	MP3C	Mx	.024	.5
76	MP3C	X	82.105	5.5
77	MP3C	Z	-47.403	5.5
78	MP3C	Mx	.024	5.5
79	MP3A	X	54.823	.5
80	MP3A	Z	-31.652	.5
81	MP3A	Mx	-.009	.5
82	MP3A	X	54.823	5.5
83	MP3A	Z	-31.652	5.5
84	MP3A	Mx	-.009	5.5
85	MP3B	X	54.823	.5
86	MP3B	Z	-31.652	.5
87	MP3B	Mx	.046	.5
88	MP3B	X	54.823	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
89	MP3B	Z	-31.652	5.5
90	MP3B	Mx	.046	5.5
91	MP3C	X	82.105	.5
92	MP3C	Z	-47.403	.5
93	MP3C	Mx	-.072	.5
94	MP3C	X	82.105	5.5
95	MP3C	Z	-47.403	5.5
96	MP3C	Mx	-.072	5.5
97	M61	X	15.93	5.5
98	M61	Z	-9.197	5.5
99	M61	Mx	-.003	5.5
100	M61	X	15.93	5.5
101	M61	Z	-9.197	5.5
102	M61	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M97	X	96.713	1
2	M97	Z	0	1
3	M97	Mx	0	1
4	M95	X	96.713	1
5	M95	Z	0	1
6	M95	Mx	0	1
7	MP4A	X	27.088	2
8	MP4A	Z	0	2
9	MP4A	Mx	-.014	2
10	MP4A	X	27.088	4
11	MP4A	Z	0	4
12	MP4A	Mx	-.014	4
13	MP4B	X	65.763	2
14	MP4B	Z	0	2
15	MP4B	Mx	.016	2
16	MP4B	X	65.763	4
17	MP4B	Z	0	4
18	MP4B	Mx	.016	4
19	MP4C	X	78.654	2
20	MP4C	Z	0	2
21	MP4C	Mx	0	2
22	MP4C	X	78.654	4
23	MP4C	Z	0	4
24	MP4C	Mx	0	4
25	MP2A	X	41.735	1.5
26	MP2A	Z	0	1.5
27	MP2A	Mx	.021	1.5
28	MP2B	X	57.085	1.5
29	MP2B	Z	0	1.5
30	MP2B	Mx	-.014	1.5
31	MP2C	X	62.201	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP3A	X	37.722	1.5
35	MP3A	Z	0	1.5
36	MP3A	Mx	.019	1.5
37	MP3B	X	56.081	1.5
38	MP3B	Z	0	1.5
39	MP3B	Mx	-.014	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
40	MP3C	X	62.201	1.5
41	MP3C	Z	0	1.5
42	MP3C	Mx	0	1.5
43	MP1B	X	129.494	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	.032	.5
46	MP1B	X	129.494	5.5
47	MP1B	Z	0	5.5
48	MP1B	Mx	.032	5.5
49	MP1C	X	71.431	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	0	1.5
52	MP1C	X	71.431	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	0	4.5
55	MP1A	X	91.511	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	-.046	.5
58	MP1A	X	91.511	5.5
59	MP1A	Z	0	5.5
60	MP1A	Mx	-.046	5.5
61	MP3A	X	47.554	.5
62	MP3A	Z	0	.5
63	MP3A	Mx	-.024	.5
64	MP3A	X	47.554	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	-.024	5.5
67	MP3B	X	94.807	.5
68	MP3B	Z	0	.5
69	MP3B	Mx	-.024	.5
70	MP3B	X	94.807	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.024	5.5
73	MP3C	X	110.558	.5
74	MP3C	Z	0	.5
75	MP3C	Mx	.064	.5
76	MP3C	X	110.558	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.064	5.5
79	MP3A	X	47.554	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	-.024	.5
82	MP3A	X	47.554	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.024	5.5
85	MP3B	X	94.807	.5
86	MP3B	Z	0	.5
87	MP3B	Mx	.072	.5
88	MP3B	X	94.807	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	.072	5.5
91	MP3C	X	110.558	.5
92	MP3C	Z	0	.5
93	MP3C	Mx	-.064	.5
94	MP3C	X	110.558	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	-.064	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
97	M61	X	11.685	5.5
98	M61	Z	0	5.5
99	M61	Mx	-.002	5.5
100	M61	X	11.685	5.5
101	M61	Z	0	5.5
102	M61	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	90.359	1
2	M97	Z	52.169	1
3	M97	Mx	0	1
4	M95	X	90.359	1
5	M95	Z	52.169	1
6	M95	Mx	0	1
7	MP4A	X	34.623	2
8	MP4A	Z	19.99	2
9	MP4A	Mx	-.017	2
10	MP4A	X	34.623	4
11	MP4A	Z	19.99	4
12	MP4A	Mx	-.017	4
13	MP4B	X	68.117	2
14	MP4B	Z	39.327	2
15	MP4B	Mx	0	2
16	MP4B	X	68.117	4
17	MP4B	Z	39.327	4
18	MP4B	Mx	0	4
19	MP4C	X	56.952	2
20	MP4C	Z	32.881	2
21	MP4C	Mx	.016	2
22	MP4C	X	56.952	4
23	MP4C	Z	32.881	4
24	MP4C	Mx	.016	4
25	MP2A	X	40.575	1.5
26	MP2A	Z	23.426	1.5
27	MP2A	Mx	.02	1.5
28	MP2B	X	53.868	1.5
29	MP2B	Z	31.101	1.5
30	MP2B	Mx	0	1.5
31	MP2C	X	49.437	1.5
32	MP2C	Z	28.542	1.5
33	MP2C	Mx	-.014	1.5
34	MP3A	X	37.968	1.5
35	MP3A	Z	21.921	1.5
36	MP3A	Mx	.019	1.5
37	MP3B	X	53.868	1.5
38	MP3B	Z	31.101	1.5
39	MP3B	Mx	0	1.5
40	MP3C	X	48.568	1.5
41	MP3C	Z	28.041	1.5
42	MP3C	Mx	-.014	1.5
43	MP1B	X	126.155	.5
44	MP1B	Z	72.836	.5
45	MP1B	Mx	0	.5
46	MP1B	X	126.155	5.5
47	MP1B	Z	72.836	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
48	MP1B	Mx	0	5.5
49	MP1C	X	58.528	1.5
50	MP1C	Z	33.791	1.5
51	MP1C	Mx	.017	1.5
52	MP1C	X	58.528	4.5
53	MP1C	Z	33.791	4.5
54	MP1C	Mx	.017	4.5
55	MP1A	X	84.461	.5
56	MP1A	Z	48.763	.5
57	MP1A	Mx	-.042	.5
58	MP1A	X	84.461	5.5
59	MP1A	Z	48.763	5.5
60	MP1A	Mx	-.042	5.5
61	MP3A	X	54.823	.5
62	MP3A	Z	31.652	.5
63	MP3A	Mx	-.009	.5
64	MP3A	X	54.823	5.5
65	MP3A	Z	31.652	5.5
66	MP3A	Mx	-.009	5.5
67	MP3B	X	95.746	.5
68	MP3B	Z	55.279	.5
69	MP3B	Mx	-.064	.5
70	MP3B	X	95.746	5.5
71	MP3B	Z	55.279	5.5
72	MP3B	Mx	-.064	5.5
73	MP3C	X	82.105	.5
74	MP3C	Z	47.403	.5
75	MP3C	Mx	.072	.5
76	MP3C	X	82.105	5.5
77	MP3C	Z	47.403	5.5
78	MP3C	Mx	.072	5.5
79	MP3A	X	54.823	.5
80	MP3A	Z	31.652	.5
81	MP3A	Mx	-.046	.5
82	MP3A	X	54.823	5.5
83	MP3A	Z	31.652	5.5
84	MP3A	Mx	-.046	5.5
85	MP3B	X	95.746	.5
86	MP3B	Z	55.279	.5
87	MP3B	Mx	.064	.5
88	MP3B	X	95.746	5.5
89	MP3B	Z	55.279	5.5
90	MP3B	Mx	.064	5.5
91	MP3C	X	82.105	.5
92	MP3C	Z	47.403	.5
93	MP3C	Mx	-.024	.5
94	MP3C	X	82.105	5.5
95	MP3C	Z	47.403	5.5
96	MP3C	Mx	-.024	5.5
97	M61	X	15.93	5.5
98	M61	Z	9.197	5.5
99	M61	Mx	-.003	5.5
100	M61	X	15.93	5.5
101	M61	Z	9.197	5.5
102	M61	Mx	.003	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	59.793	1
2	M97	Z	103.565	1
3	M97	Mx	0	1
4	M95	X	59.793	1
5	M95	Z	103.565	1
6	M95	Mx	0	1
7	MP4A	X	32.881	2
8	MP4A	Z	56.952	2
9	MP4A	Mx	-.016	2
10	MP4A	X	32.881	4
11	MP4A	Z	56.952	4
12	MP4A	Mx	-.016	4
13	MP4B	X	32.881	2
14	MP4B	Z	56.952	2
15	MP4B	Mx	-.016	2
16	MP4B	X	32.881	4
17	MP4B	Z	56.952	4
18	MP4B	Mx	-.016	4
19	MP4C	X	19.99	2
20	MP4C	Z	34.623	2
21	MP4C	Mx	.017	2
22	MP4C	X	19.99	4
23	MP4C	Z	34.623	4
24	MP4C	Mx	.017	4
25	MP2A	X	28.542	1.5
26	MP2A	Z	49.437	1.5
27	MP2A	Mx	.014	1.5
28	MP2B	X	28.542	1.5
29	MP2B	Z	49.437	1.5
30	MP2B	Mx	.014	1.5
31	MP2C	X	23.426	1.5
32	MP2C	Z	40.575	1.5
33	MP2C	Mx	-.02	1.5
34	MP3A	X	28.041	1.5
35	MP3A	Z	48.568	1.5
36	MP3A	Mx	.014	1.5
37	MP3B	X	28.041	1.5
38	MP3B	Z	48.568	1.5
39	MP3B	Mx	.014	1.5
40	MP3C	X	21.921	1.5
41	MP3C	Z	37.968	1.5
42	MP3C	Mx	-.019	1.5
43	MP1B	X	64.747	.5
44	MP1B	Z	112.145	.5
45	MP1B	Mx	-.032	.5
46	MP1B	X	64.747	5.5
47	MP1B	Z	112.145	5.5
48	MP1B	Mx	-.032	5.5
49	MP1C	X	29.943	1.5
50	MP1C	Z	51.863	1.5
51	MP1C	Mx	.026	1.5
52	MP1C	X	29.943	4.5
53	MP1C	Z	51.863	4.5
54	MP1C	Mx	.026	4.5
55	MP1A	X	54.779	.5
56	MP1A	Z	94.88	.5
57	MP1A	Mx	-.027	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	54.779	5.5
59	MP1A	Z	94.88	5.5
60	MP1A	Mx	-.027	5.5
61	MP3A	X	47.403	.5
62	MP3A	Z	82.105	.5
63	MP3A	Mx	.024	.5
64	MP3A	X	47.403	5.5
65	MP3A	Z	82.105	5.5
66	MP3A	Mx	.024	5.5
67	MP3B	X	47.403	.5
68	MP3B	Z	82.105	.5
69	MP3B	Mx	-.072	.5
70	MP3B	X	47.403	5.5
71	MP3B	Z	82.105	5.5
72	MP3B	Mx	-.072	5.5
73	MP3C	X	31.652	.5
74	MP3C	Z	54.823	.5
75	MP3C	Mx	.046	.5
76	MP3C	X	31.652	5.5
77	MP3C	Z	54.823	5.5
78	MP3C	Mx	.046	5.5
79	MP3A	X	47.403	.5
80	MP3A	Z	82.105	.5
81	MP3A	Mx	-.072	.5
82	MP3A	X	47.403	5.5
83	MP3A	Z	82.105	5.5
84	MP3A	Mx	-.072	5.5
85	MP3B	X	47.403	.5
86	MP3B	Z	82.105	.5
87	MP3B	Mx	.024	.5
88	MP3B	X	47.403	5.5
89	MP3B	Z	82.105	5.5
90	MP3B	Mx	.024	5.5
91	MP3C	X	31.652	.5
92	MP3C	Z	54.823	.5
93	MP3C	Mx	.009	.5
94	MP3C	X	31.652	5.5
95	MP3C	Z	54.823	5.5
96	MP3C	Mx	.009	5.5
97	M61	X	15.907	5.5
98	M61	Z	27.552	5.5
99	M61	Mx	-.003	5.5
100	M61	X	15.907	5.5
101	M61	Z	27.552	5.5
102	M61	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	0	1
2	M97	Z	127.211	1
3	M97	Mx	0	1
4	M95	X	0	1
5	M95	Z	127.211	1
6	M95	Mx	0	1
7	MP4A	X	0	2
8	MP4A	Z	78.654	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
9	MP4A	Mx	0	2
10	MP4A	X	0	4
11	MP4A	Z	78.654	4
12	MP4A	Mx	0	4
13	MP4B	X	0	2
14	MP4B	Z	39.979	2
15	MP4B	Mx	-.017	2
16	MP4B	X	0	4
17	MP4B	Z	39.979	4
18	MP4B	Mx	-.017	4
19	MP4C	X	0	2
20	MP4C	Z	27.088	2
21	MP4C	Mx	.014	2
22	MP4C	X	0	4
23	MP4C	Z	27.088	4
24	MP4C	Mx	.014	4
25	MP2A	X	0	1.5
26	MP2A	Z	62.201	1.5
27	MP2A	Mx	0	1.5
28	MP2B	X	0	1.5
29	MP2B	Z	46.852	1.5
30	MP2B	Mx	.02	1.5
31	MP2C	X	0	1.5
32	MP2C	Z	41.735	1.5
33	MP2C	Mx	-.021	1.5
34	MP3A	X	0	1.5
35	MP3A	Z	62.201	1.5
36	MP3A	Mx	0	1.5
37	MP3B	X	0	1.5
38	MP3B	Z	43.842	1.5
39	MP3B	Mx	.019	1.5
40	MP3C	X	0	1.5
41	MP3C	Z	37.722	1.5
42	MP3C	Mx	-.019	1.5
43	MP1B	X	0	.5
44	MP1B	Z	97.139	.5
45	MP1B	Mx	-.042	.5
46	MP1B	X	0	5.5
47	MP1B	Z	97.139	5.5
48	MP1B	Mx	-.042	5.5
49	MP1C	X	0	1.5
50	MP1C	Z	56.038	1.5
51	MP1C	Mx	.028	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	56.038	4.5
54	MP1C	Mx	.028	4.5
55	MP1A	X	0	.5
56	MP1A	Z	115.574	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	5.5
59	MP1A	Z	115.574	5.5
60	MP1A	Mx	0	5.5
61	MP3A	X	0	.5
62	MP3A	Z	110.558	.5
63	MP3A	Mx	.064	.5
64	MP3A	X	0	5.5
65	MP3A	Z	110.558	5.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
66	MP3A	Mx	.064	5.5
67	MP3B	X	0	.5
68	MP3B	Z	63.305	.5
69	MP3B	Mx	-.046	.5
70	MP3B	X	0	5.5
71	MP3B	Z	63.305	5.5
72	MP3B	Mx	-.046	5.5
73	MP3C	X	0	.5
74	MP3C	Z	47.554	.5
75	MP3C	Mx	.024	.5
76	MP3C	X	0	5.5
77	MP3C	Z	47.554	5.5
78	MP3C	Mx	.024	5.5
79	MP3A	X	0	.5
80	MP3A	Z	110.558	.5
81	MP3A	Mx	-.064	.5
82	MP3A	X	0	5.5
83	MP3A	Z	110.558	5.5
84	MP3A	Mx	-.064	5.5
85	MP3B	X	0	.5
86	MP3B	Z	63.305	.5
87	MP3B	Mx	-.009	.5
88	MP3B	X	0	5.5
89	MP3B	Z	63.305	5.5
90	MP3B	Mx	-.009	5.5
91	MP3C	X	0	.5
92	MP3C	Z	47.554	.5
93	MP3C	Mx	.024	.5
94	MP3C	X	0	5.5
95	MP3C	Z	47.554	5.5
96	MP3C	Mx	.024	5.5
97	M61	X	0	5.5
98	M61	Z	38.525	5.5
99	M61	Mx	0	5.5
100	M61	X	0	5.5
101	M61	Z	38.525	5.5
102	M61	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	M97	X	-59.793	1
2	M97	Z	103.565	1
3	M97	Mx	0	1
4	M95	X	-59.793	1
5	M95	Z	103.565	1
6	M95	Mx	0	1
7	MP4A	X	-32.881	2
8	MP4A	Z	56.952	2
9	MP4A	Mx	.016	2
10	MP4A	X	-32.881	4
11	MP4A	Z	56.952	4
12	MP4A	Mx	.016	4
13	MP4B	X	-13.544	2
14	MP4B	Z	23.459	2
15	MP4B	Mx	-.014	2
16	MP4B	X	-13.544	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
17	MP4B	Z	23.459	4
18	MP4B	Mx	-.014	4
19	MP4C	X	-19.99	2
20	MP4C	Z	34.623	2
21	MP4C	Mx	.017	2
22	MP4C	X	-19.99	4
23	MP4C	Z	34.623	4
24	MP4C	Mx	.017	4
25	MP2A	X	-28.542	1.5
26	MP2A	Z	49.437	1.5
27	MP2A	Mx	-.014	1.5
28	MP2B	X	-20.867	1.5
29	MP2B	Z	36.144	1.5
30	MP2B	Mx	.021	1.5
31	MP2C	X	-23.426	1.5
32	MP2C	Z	40.575	1.5
33	MP2C	Mx	-.02	1.5
34	MP3A	X	-28.041	1.5
35	MP3A	Z	48.568	1.5
36	MP3A	Mx	-.014	1.5
37	MP3B	X	-18.861	1.5
38	MP3B	Z	32.668	1.5
39	MP3B	Mx	.019	1.5
40	MP3C	X	-21.921	1.5
41	MP3C	Z	37.968	1.5
42	MP3C	Mx	-.019	1.5
43	MP1B	X	-40.481	.5
44	MP1B	Z	70.115	.5
45	MP1B	Mx	-.04	.5
46	MP1B	X	-40.481	5.5
47	MP1B	Z	70.115	5.5
48	MP1B	Mx	-.04	5.5
49	MP1C	X	-29.943	1.5
50	MP1C	Z	51.863	1.5
51	MP1C	Mx	.026	1.5
52	MP1C	X	-29.943	4.5
53	MP1C	Z	51.863	4.5
54	MP1C	Mx	.026	4.5
55	MP1A	X	-54.779	.5
56	MP1A	Z	94.88	.5
57	MP1A	Mx	.027	.5
58	MP1A	X	-54.779	5.5
59	MP1A	Z	94.88	5.5
60	MP1A	Mx	.027	5.5
61	MP3A	X	-47.403	.5
62	MP3A	Z	82.105	.5
63	MP3A	Mx	.072	.5
64	MP3A	X	-47.403	5.5
65	MP3A	Z	82.105	5.5
66	MP3A	Mx	.072	5.5
67	MP3B	X	-23.777	.5
68	MP3B	Z	41.183	.5
69	MP3B	Mx	-.024	.5
70	MP3B	X	-23.777	5.5
71	MP3B	Z	41.183	5.5
72	MP3B	Mx	-.024	5.5
73	MP3C	X	-31.652	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
74	MP3C	Z	54.823	.5
75	MP3C	Mx	.009	.5
76	MP3C	X	-31.652	5.5
77	MP3C	Z	54.823	5.5
78	MP3C	Mx	.009	5.5
79	MP3A	X	-47.403	.5
80	MP3A	Z	82.105	.5
81	MP3A	Mx	-.024	.5
82	MP3A	X	-47.403	5.5
83	MP3A	Z	82.105	5.5
84	MP3A	Mx	-.024	5.5
85	MP3B	X	-23.777	.5
86	MP3B	Z	41.183	.5
87	MP3B	Mx	-.024	.5
88	MP3B	X	-23.777	5.5
89	MP3B	Z	41.183	5.5
90	MP3B	Mx	-.024	5.5
91	MP3C	X	-31.652	.5
92	MP3C	Z	54.823	.5
93	MP3C	Mx	.046	.5
94	MP3C	X	-31.652	5.5
95	MP3C	Z	54.823	5.5
96	MP3C	Mx	.046	5.5
97	M61	X	-15.907	5.5
98	M61	Z	27.552	5.5
99	M61	Mx	.003	5.5
100	M61	X	-15.907	5.5
101	M61	Z	27.552	5.5
102	M61	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-90.359	1
2	M97	Z	52.169	1
3	M97	Mx	0	1
4	M95	X	-90.359	1
5	M95	Z	52.169	1
6	M95	Mx	0	1
7	MP4A	X	-34.623	2
8	MP4A	Z	19.99	2
9	MP4A	Mx	.017	2
10	MP4A	X	-34.623	4
11	MP4A	Z	19.99	4
12	MP4A	Mx	.017	4
13	MP4B	X	-34.623	2
14	MP4B	Z	19.99	2
15	MP4B	Mx	-.017	2
16	MP4B	X	-34.623	4
17	MP4B	Z	19.99	4
18	MP4B	Mx	-.017	4
19	MP4C	X	-56.952	2
20	MP4C	Z	32.881	2
21	MP4C	Mx	.016	2
22	MP4C	X	-56.952	4
23	MP4C	Z	32.881	4
24	MP4C	Mx	.016	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
25	MP2A	X	-40.575	1.5
26	MP2A	Z	23.426	1.5
27	MP2A	Mx	-.02	1.5
28	MP2B	X	-40.575	1.5
29	MP2B	Z	23.426	1.5
30	MP2B	Mx	.02	1.5
31	MP2C	X	-49.437	1.5
32	MP2C	Z	28.542	1.5
33	MP2C	Mx	-.014	1.5
34	MP3A	X	-37.968	1.5
35	MP3A	Z	21.921	1.5
36	MP3A	Mx	-.019	1.5
37	MP3B	X	-37.968	1.5
38	MP3B	Z	21.921	1.5
39	MP3B	Mx	.019	1.5
40	MP3C	X	-48.568	1.5
41	MP3C	Z	28.041	1.5
42	MP3C	Mx	-.014	1.5
43	MP1B	X	-84.125	.5
44	MP1B	Z	48.57	.5
45	MP1B	Mx	-.042	.5
46	MP1B	X	-84.125	5.5
47	MP1B	Z	48.57	5.5
48	MP1B	Mx	-.042	5.5
49	MP1C	X	-58.528	1.5
50	MP1C	Z	33.791	1.5
51	MP1C	Mx	.017	1.5
52	MP1C	X	-58.528	4.5
53	MP1C	Z	33.791	4.5
54	MP1C	Mx	.017	4.5
55	MP1A	X	-84.461	.5
56	MP1A	Z	48.763	.5
57	MP1A	Mx	.042	.5
58	MP1A	X	-84.461	5.5
59	MP1A	Z	48.763	5.5
60	MP1A	Mx	.042	5.5
61	MP3A	X	-54.823	.5
62	MP3A	Z	31.652	.5
63	MP3A	Mx	.046	.5
64	MP3A	X	-54.823	5.5
65	MP3A	Z	31.652	5.5
66	MP3A	Mx	.046	5.5
67	MP3B	X	-54.823	.5
68	MP3B	Z	31.652	.5
69	MP3B	Mx	-.009	.5
70	MP3B	X	-54.823	5.5
71	MP3B	Z	31.652	5.5
72	MP3B	Mx	-.009	5.5
73	MP3C	X	-82.105	.5
74	MP3C	Z	47.403	.5
75	MP3C	Mx	-.024	.5
76	MP3C	X	-82.105	5.5
77	MP3C	Z	47.403	5.5
78	MP3C	Mx	-.024	5.5
79	MP3A	X	-54.823	.5
80	MP3A	Z	31.652	.5
81	MP3A	Mx	.009	.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
82	MP3A	X	-54.823	5.5
83	MP3A	Z	31.652	5.5
84	MP3A	Mx	.009	5.5
85	MP3B	X	-54.823	.5
86	MP3B	Z	31.652	.5
87	MP3B	Mx	-.046	.5
88	MP3B	X	-54.823	5.5
89	MP3B	Z	31.652	5.5
90	MP3B	Mx	-.046	5.5
91	MP3C	X	-82.105	.5
92	MP3C	Z	47.403	.5
93	MP3C	Mx	.072	.5
94	MP3C	X	-82.105	5.5
95	MP3C	Z	47.403	5.5
96	MP3C	Mx	.072	5.5
97	M61	X	-15.93	5.5
98	M61	Z	9.197	5.5
99	M61	Mx	.003	5.5
100	M61	X	-15.93	5.5
101	M61	Z	9.197	5.5
102	M61	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-96.713	1
2	M97	Z	0	1
3	M97	Mx	0	1
4	M95	X	-96.713	1
5	M95	Z	0	1
6	M95	Mx	0	1
7	MP4A	X	-27.088	2
8	MP4A	Z	0	2
9	MP4A	Mx	.014	2
10	MP4A	X	-27.088	4
11	MP4A	Z	0	4
12	MP4A	Mx	.014	4
13	MP4B	X	-65.763	2
14	MP4B	Z	0	2
15	MP4B	Mx	-.016	2
16	MP4B	X	-65.763	4
17	MP4B	Z	0	4
18	MP4B	Mx	-.016	4
19	MP4C	X	-78.654	2
20	MP4C	Z	0	2
21	MP4C	Mx	0	2
22	MP4C	X	-78.654	4
23	MP4C	Z	0	4
24	MP4C	Mx	0	4
25	MP2A	X	-41.735	1.5
26	MP2A	Z	0	1.5
27	MP2A	Mx	-.021	1.5
28	MP2B	X	-57.085	1.5
29	MP2B	Z	0	1.5
30	MP2B	Mx	.014	1.5
31	MP2C	X	-62.201	1.5
32	MP2C	Z	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
33	MP2C	Mx	0	1.5
34	MP3A	X	-37.722	1.5
35	MP3A	Z	0	1.5
36	MP3A	Mx	-.019	1.5
37	MP3B	X	-56.081	1.5
38	MP3B	Z	0	1.5
39	MP3B	Mx	.014	1.5
40	MP3C	X	-62.201	1.5
41	MP3C	Z	0	1.5
42	MP3C	Mx	0	1.5
43	MP1B	X	-129.494	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	-.032	.5
46	MP1B	X	-129.494	5.5
47	MP1B	Z	0	5.5
48	MP1B	Mx	-.032	5.5
49	MP1C	X	-71.431	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	0	1.5
52	MP1C	X	-71.431	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	0	4.5
55	MP1A	X	-91.511	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.046	.5
58	MP1A	X	-91.511	5.5
59	MP1A	Z	0	5.5
60	MP1A	Mx	.046	5.5
61	MP3A	X	-47.554	.5
62	MP3A	Z	0	.5
63	MP3A	Mx	.024	.5
64	MP3A	X	-47.554	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	.024	5.5
67	MP3B	X	-94.807	.5
68	MP3B	Z	0	.5
69	MP3B	Mx	.024	.5
70	MP3B	X	-94.807	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.024	5.5
73	MP3C	X	-110.558	.5
74	MP3C	Z	0	.5
75	MP3C	Mx	-.064	.5
76	MP3C	X	-110.558	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.064	5.5
79	MP3A	X	-47.554	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	.024	.5
82	MP3A	X	-47.554	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.024	5.5
85	MP3B	X	-94.807	.5
86	MP3B	Z	0	.5
87	MP3B	Mx	-.072	.5
88	MP3B	X	-94.807	5.5
89	MP3B	Z	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
90	MP3B	Mx	-.072	5.5
91	MP3C	X	-110.558	.5
92	MP3C	Z	0	.5
93	MP3C	Mx	.064	.5
94	MP3C	X	-110.558	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	.064	5.5
97	M61	X	-11.685	5.5
98	M61	Z	0	5.5
99	M61	Mx	.002	5.5
100	M61	X	-11.685	5.5
101	M61	Z	0	5.5
102	M61	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M97	X	-90.359	1
2	M97	Z	-52.169	1
3	M97	Mx	0	1
4	M95	X	-90.359	1
5	M95	Z	-52.169	1
6	M95	Mx	0	1
7	MP4A	X	-34.623	2
8	MP4A	Z	-19.99	2
9	MP4A	Mx	.017	2
10	MP4A	X	-34.623	4
11	MP4A	Z	-19.99	4
12	MP4A	Mx	.017	4
13	MP4B	X	-68.117	2
14	MP4B	Z	-39.327	2
15	MP4B	Mx	0	2
16	MP4B	X	-68.117	4
17	MP4B	Z	-39.327	4
18	MP4B	Mx	0	4
19	MP4C	X	-56.952	2
20	MP4C	Z	-32.881	2
21	MP4C	Mx	-.016	2
22	MP4C	X	-56.952	4
23	MP4C	Z	-32.881	4
24	MP4C	Mx	-.016	4
25	MP2A	X	-40.575	1.5
26	MP2A	Z	-23.426	1.5
27	MP2A	Mx	-.02	1.5
28	MP2B	X	-53.868	1.5
29	MP2B	Z	-31.101	1.5
30	MP2B	Mx	0	1.5
31	MP2C	X	-49.437	1.5
32	MP2C	Z	-28.542	1.5
33	MP2C	Mx	.014	1.5
34	MP3A	X	-37.968	1.5
35	MP3A	Z	-21.921	1.5
36	MP3A	Mx	-.019	1.5
37	MP3B	X	-53.868	1.5
38	MP3B	Z	-31.101	1.5
39	MP3B	Mx	0	1.5
40	MP3C	X	-48.568	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
41	MP3C	Z	-28.041	1.5
42	MP3C	Mx	.014	1.5
43	MP1B	X	-126.155	.5
44	MP1B	Z	-72.836	.5
45	MP1B	Mx	0	.5
46	MP1B	X	-126.155	5.5
47	MP1B	Z	-72.836	5.5
48	MP1B	Mx	0	5.5
49	MP1C	X	-58.528	1.5
50	MP1C	Z	-33.791	1.5
51	MP1C	Mx	-.017	1.5
52	MP1C	X	-58.528	4.5
53	MP1C	Z	-33.791	4.5
54	MP1C	Mx	-.017	4.5
55	MP1A	X	-84.461	.5
56	MP1A	Z	-48.763	.5
57	MP1A	Mx	.042	.5
58	MP1A	X	-84.461	5.5
59	MP1A	Z	-48.763	5.5
60	MP1A	Mx	.042	5.5
61	MP3A	X	-54.823	.5
62	MP3A	Z	-31.652	.5
63	MP3A	Mx	.009	.5
64	MP3A	X	-54.823	5.5
65	MP3A	Z	-31.652	5.5
66	MP3A	Mx	.009	5.5
67	MP3B	X	-95.746	.5
68	MP3B	Z	-55.279	.5
69	MP3B	Mx	.064	.5
70	MP3B	X	-95.746	5.5
71	MP3B	Z	-55.279	5.5
72	MP3B	Mx	.064	5.5
73	MP3C	X	-82.105	.5
74	MP3C	Z	-47.403	.5
75	MP3C	Mx	-.072	.5
76	MP3C	X	-82.105	5.5
77	MP3C	Z	-47.403	5.5
78	MP3C	Mx	-.072	5.5
79	MP3A	X	-54.823	.5
80	MP3A	Z	-31.652	.5
81	MP3A	Mx	.046	.5
82	MP3A	X	-54.823	5.5
83	MP3A	Z	-31.652	5.5
84	MP3A	Mx	.046	5.5
85	MP3B	X	-95.746	.5
86	MP3B	Z	-55.279	.5
87	MP3B	Mx	-.064	.5
88	MP3B	X	-95.746	5.5
89	MP3B	Z	-55.279	5.5
90	MP3B	Mx	-.064	5.5
91	MP3C	X	-82.105	.5
92	MP3C	Z	-47.403	.5
93	MP3C	Mx	.024	.5
94	MP3C	X	-82.105	5.5
95	MP3C	Z	-47.403	5.5
96	MP3C	Mx	.024	5.5
97	M61	X	-15.93	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
98	M61	Z	-9.197	5.5
99	M61	Mx	.003	5.5
100	M61	X	-15.93	5.5
101	M61	Z	-9.197	5.5
102	M61	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-59.793	1
2	M97	Z	-103.565	1
3	M97	Mx	0	1
4	M95	X	-59.793	1
5	M95	Z	-103.565	1
6	M95	Mx	0	1
7	MP4A	X	-32.881	2
8	MP4A	Z	-56.952	2
9	MP4A	Mx	.016	2
10	MP4A	X	-32.881	4
11	MP4A	Z	-56.952	4
12	MP4A	Mx	.016	4
13	MP4B	X	-32.881	2
14	MP4B	Z	-56.952	2
15	MP4B	Mx	.016	2
16	MP4B	X	-32.881	4
17	MP4B	Z	-56.952	4
18	MP4B	Mx	.016	4
19	MP4C	X	-19.99	2
20	MP4C	Z	-34.623	2
21	MP4C	Mx	-.017	2
22	MP4C	X	-19.99	4
23	MP4C	Z	-34.623	4
24	MP4C	Mx	-.017	4
25	MP2A	X	-28.542	1.5
26	MP2A	Z	-49.437	1.5
27	MP2A	Mx	-.014	1.5
28	MP2B	X	-28.542	1.5
29	MP2B	Z	-49.437	1.5
30	MP2B	Mx	-.014	1.5
31	MP2C	X	-23.426	1.5
32	MP2C	Z	-40.575	1.5
33	MP2C	Mx	.02	1.5
34	MP3A	X	-28.041	1.5
35	MP3A	Z	-48.568	1.5
36	MP3A	Mx	-.014	1.5
37	MP3B	X	-28.041	1.5
38	MP3B	Z	-48.568	1.5
39	MP3B	Mx	-.014	1.5
40	MP3C	X	-21.921	1.5
41	MP3C	Z	-37.968	1.5
42	MP3C	Mx	.019	1.5
43	MP1B	X	-64.747	.5
44	MP1B	Z	-112.145	.5
45	MP1B	Mx	.032	.5
46	MP1B	X	-64.747	5.5
47	MP1B	Z	-112.145	5.5
48	MP1B	Mx	.032	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP1C	X	-29.943	1.5
50	MP1C	Z	-51.863	1.5
51	MP1C	Mx	-.026	1.5
52	MP1C	X	-29.943	4.5
53	MP1C	Z	-51.863	4.5
54	MP1C	Mx	-.026	4.5
55	MP1A	X	-54.779	.5
56	MP1A	Z	-94.88	.5
57	MP1A	Mx	.027	.5
58	MP1A	X	-54.779	5.5
59	MP1A	Z	-94.88	5.5
60	MP1A	Mx	.027	5.5
61	MP3A	X	-47.403	.5
62	MP3A	Z	-82.105	.5
63	MP3A	Mx	-.024	.5
64	MP3A	X	-47.403	5.5
65	MP3A	Z	-82.105	5.5
66	MP3A	Mx	-.024	5.5
67	MP3B	X	-47.403	.5
68	MP3B	Z	-82.105	.5
69	MP3B	Mx	.072	.5
70	MP3B	X	-47.403	5.5
71	MP3B	Z	-82.105	5.5
72	MP3B	Mx	.072	5.5
73	MP3C	X	-31.652	.5
74	MP3C	Z	-54.823	.5
75	MP3C	Mx	-.046	.5
76	MP3C	X	-31.652	5.5
77	MP3C	Z	-54.823	5.5
78	MP3C	Mx	-.046	5.5
79	MP3A	X	-47.403	.5
80	MP3A	Z	-82.105	.5
81	MP3A	Mx	.072	.5
82	MP3A	X	-47.403	5.5
83	MP3A	Z	-82.105	5.5
84	MP3A	Mx	.072	5.5
85	MP3B	X	-47.403	.5
86	MP3B	Z	-82.105	.5
87	MP3B	Mx	-.024	.5
88	MP3B	X	-47.403	5.5
89	MP3B	Z	-82.105	5.5
90	MP3B	Mx	-.024	5.5
91	MP3C	X	-31.652	.5
92	MP3C	Z	-54.823	.5
93	MP3C	Mx	-.009	.5
94	MP3C	X	-31.652	5.5
95	MP3C	Z	-54.823	5.5
96	MP3C	Mx	-.009	5.5
97	M61	X	-15.907	5.5
98	M61	Z	-27.552	5.5
99	M61	Mx	.003	5.5
100	M61	X	-15.907	5.5
101	M61	Z	-27.552	5.5
102	M61	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M97	X	0	1
2	M97	Z	-33.891	1
3	M97	Mx	0	1
4	M95	X	0	1
5	M95	Z	-33.891	1
6	M95	Mx	0	1
7	MP4A	X	0	2
8	MP4A	Z	-19.517	2
9	MP4A	Mx	0	2
10	MP4A	X	0	4
11	MP4A	Z	-19.517	4
12	MP4A	Mx	0	4
13	MP4B	X	0	2
14	MP4B	Z	-11.359	2
15	MP4B	Mx	.005	2
16	MP4B	X	0	4
17	MP4B	Z	-11.359	4
18	MP4B	Mx	.005	4
19	MP4C	X	0	2
20	MP4C	Z	-8.64	2
21	MP4C	Mx	-.004	2
22	MP4C	X	0	4
23	MP4C	Z	-8.64	4
24	MP4C	Mx	-.004	4
25	MP2A	X	0	1.5
26	MP2A	Z	-16.869	1.5
27	MP2A	Mx	0	1.5
28	MP2B	X	0	1.5
29	MP2B	Z	-13.176	1.5
30	MP2B	Mx	-.006	1.5
31	MP2C	X	0	1.5
32	MP2C	Z	-11.945	1.5
33	MP2C	Mx	.006	1.5
34	MP3A	X	0	1.5
35	MP3A	Z	-16.869	1.5
36	MP3A	Mx	0	1.5
37	MP3B	X	0	1.5
38	MP3B	Z	-12.511	1.5
39	MP3B	Mx	-.005	1.5
40	MP3C	X	0	1.5
41	MP3C	Z	-11.058	1.5
42	MP3C	Mx	.006	1.5
43	MP1B	X	0	.5
44	MP1B	Z	-20.793	.5
45	MP1B	Mx	.009	.5
46	MP1B	X	0	5.5
47	MP1B	Z	-20.793	5.5
48	MP1B	Mx	.009	5.5
49	MP1C	X	0	1.5
50	MP1C	Z	-12.581	1.5
51	MP1C	Mx	-.006	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	-12.581	4.5
54	MP1C	Mx	-.006	4.5
55	MP1A	X	0	.5
56	MP1A	Z	-24.257	.5
57	MP1A	Mx	0	.5



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

	Member Label	Direction	Magnitude[lb, k-ft]	Location[ft, %]
58	MP1A	X	0	5.5
59	MP1A	Z	-24.257	5.5
60	MP1A	Mx	0	5.5
61	MP3A	X	0	.5
62	MP3A	Z	-32.784	.5
63	MP3A	Mx	-.019	.5
64	MP3A	X	0	5.5
65	MP3A	Z	-32.784	5.5
66	MP3A	Mx	-.019	5.5
67	MP3B	X	0	.5
68	MP3B	Z	-25.459	.5
69	MP3B	Mx	.018	.5
70	MP3B	X	0	5.5
71	MP3B	Z	-25.459	5.5
72	MP3B	Mx	.018	5.5
73	MP3C	X	0	.5
74	MP3C	Z	-23.017	.5
75	MP3C	Mx	-.012	.5
76	MP3C	X	0	5.5
77	MP3C	Z	-23.017	5.5
78	MP3C	Mx	-.012	5.5
79	MP3A	X	0	.5
80	MP3A	Z	-32.784	.5
81	MP3A	Mx	.019	.5
82	MP3A	X	0	5.5
83	MP3A	Z	-32.784	5.5
84	MP3A	Mx	.019	5.5
85	MP3B	X	0	.5
86	MP3B	Z	-25.459	.5
87	MP3B	Mx	.004	.5
88	MP3B	X	0	5.5
89	MP3B	Z	-25.459	5.5
90	MP3B	Mx	.004	5.5
91	MP3C	X	0	.5
92	MP3C	Z	-23.017	.5
93	MP3C	Mx	-.012	.5
94	MP3C	X	0	5.5
95	MP3C	Z	-23.017	5.5
96	MP3C	Mx	-.012	5.5
97	M61	X	0	5.5
98	M61	Z	-9.545	5.5
99	M61	Mx	0	5.5
100	M61	X	0	5.5
101	M61	Z	-9.545	5.5
102	M61	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb, k-ft]	Location[ft, %]
1	M97	X	16.055	1
2	M97	Z	-27.808	1
3	M97	Mx	0	1
4	M95	X	16.055	1
5	M95	Z	-27.808	1
6	M95	Mx	0	1
7	MP4A	X	8.399	2
8	MP4A	Z	-14.547	2



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

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
66	MP3A	Mx	-.023	5.5
67	MP3B	X	11.509	.5
68	MP3B	Z	-19.934	.5
69	MP3B	Mx	.012	.5
70	MP3B	X	11.509	5.5
71	MP3B	Z	-19.934	5.5
72	MP3B	Mx	.012	5.5
73	MP3C	X	12.73	.5
74	MP3C	Z	-22.048	.5
75	MP3C	Mx	-.004	.5
76	MP3C	X	12.73	5.5
77	MP3C	Z	-22.048	5.5
78	MP3C	Mx	-.004	5.5
79	MP3A	X	15.171	.5
80	MP3A	Z	-26.277	.5
81	MP3A	Mx	.008	.5
82	MP3A	X	15.171	5.5
83	MP3A	Z	-26.277	5.5
84	MP3A	Mx	.008	5.5
85	MP3B	X	11.509	.5
86	MP3B	Z	-19.934	.5
87	MP3B	Mx	.012	.5
88	MP3B	X	11.509	5.5
89	MP3B	Z	-19.934	5.5
90	MP3B	Mx	.012	5.5
91	MP3C	X	12.73	.5
92	MP3C	Z	-22.048	.5
93	MP3C	Mx	-.018	.5
94	MP3C	X	12.73	5.5
95	MP3C	Z	-22.048	5.5
96	MP3C	Mx	-.018	5.5
97	M61	X	4.07	5.5
98	M61	Z	-7.05	5.5
99	M61	Mx	-.000678	5.5
100	M61	X	4.07	5.5
101	M61	Z	-7.05	5.5
102	M61	Mx	.000678	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M97	X	24.723	1
2	M97	Z	-14.274	1
3	M97	Mx	0	1
4	M95	X	24.723	1
5	M95	Z	-14.274	1
6	M95	Mx	0	1
7	MP4A	X	9.837	2
8	MP4A	Z	-5.679	2
9	MP4A	Mx	-.005	2
10	MP4A	X	9.837	4
11	MP4A	Z	-5.679	4
12	MP4A	Mx	-.005	4
13	MP4B	X	9.837	2
14	MP4B	Z	-5.679	2
15	MP4B	Mx	.005	2
16	MP4B	X	9.837	4



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
17	MP4B	Z	-5.679	4
18	MP4B	Mx	.005	4
19	MP4C	X	14.547	2
20	MP4C	Z	-8.399	2
21	MP4C	Mx	-.004	2
22	MP4C	X	14.547	4
23	MP4C	Z	-8.399	4
24	MP4C	Mx	-.004	4
25	MP2A	X	11.411	1.5
26	MP2A	Z	-6.588	1.5
27	MP2A	Mx	.006	1.5
28	MP2B	X	11.411	1.5
29	MP2B	Z	-6.588	1.5
30	MP2B	Mx	-.006	1.5
31	MP2C	X	13.543	1.5
32	MP2C	Z	-7.819	1.5
33	MP2C	Mx	.004	1.5
34	MP3A	X	10.835	1.5
35	MP3A	Z	-6.255	1.5
36	MP3A	Mx	.005	1.5
37	MP3B	X	10.835	1.5
38	MP3B	Z	-6.255	1.5
39	MP3B	Mx	-.005	1.5
40	MP3C	X	13.351	1.5
41	MP3C	Z	-7.708	1.5
42	MP3C	Mx	.004	1.5
43	MP1B	X	18.007	.5
44	MP1B	Z	-10.397	.5
45	MP1B	Mx	.009	.5
46	MP1B	X	18.007	5.5
47	MP1B	Z	-10.397	5.5
48	MP1B	Mx	.009	5.5
49	MP1C	X	12.73	1.5
50	MP1C	Z	-7.35	1.5
51	MP1C	Mx	-.004	1.5
52	MP1C	X	12.73	4.5
53	MP1C	Z	-7.35	4.5
54	MP1C	Mx	-.004	4.5
55	MP1A	X	18.186	.5
56	MP1A	Z	-10.5	.5
57	MP1A	Mx	-.009	.5
58	MP1A	X	18.186	5.5
59	MP1A	Z	-10.5	5.5
60	MP1A	Mx	-.009	5.5
61	MP3A	X	22.048	.5
62	MP3A	Z	-12.73	.5
63	MP3A	Mx	-.018	.5
64	MP3A	X	22.048	5.5
65	MP3A	Z	-12.73	5.5
66	MP3A	Mx	-.018	5.5
67	MP3B	X	22.048	.5
68	MP3B	Z	-12.73	.5
69	MP3B	Mx	.004	.5
70	MP3B	X	22.048	5.5
71	MP3B	Z	-12.73	5.5
72	MP3B	Mx	.004	5.5
73	MP3C	X	26.277	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
74	MP3C	Z	-15.171	.5
75	MP3C	Mx	.008	.5
76	MP3C	X	26.277	5.5
77	MP3C	Z	-15.171	5.5
78	MP3C	Mx	.008	5.5
79	MP3A	X	22.048	.5
80	MP3A	Z	-12.73	.5
81	MP3A	Mx	-.004	.5
82	MP3A	X	22.048	5.5
83	MP3A	Z	-12.73	5.5
84	MP3A	Mx	-.004	5.5
85	MP3B	X	22.048	.5
86	MP3B	Z	-12.73	.5
87	MP3B	Mx	.018	.5
88	MP3B	X	22.048	5.5
89	MP3B	Z	-12.73	5.5
90	MP3B	Mx	.018	5.5
91	MP3C	X	26.277	.5
92	MP3C	Z	-15.171	.5
93	MP3C	Mx	-.023	.5
94	MP3C	X	26.277	5.5
95	MP3C	Z	-15.171	5.5
96	MP3C	Mx	-.023	5.5
97	M61	X	4.618	5.5
98	M61	Z	-2.666	5.5
99	M61	Mx	-.00077	5.5
100	M61	X	4.618	5.5
101	M61	Z	-2.666	5.5
102	M61	Mx	.00077	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	26.767	1
2	M97	Z	0	1
3	M97	Mx	0	1
4	M95	X	26.767	1
5	M95	Z	0	1
6	M95	Mx	0	1
7	MP4A	X	8.64	2
8	MP4A	Z	0	2
9	MP4A	Mx	-.004	2
10	MP4A	X	8.64	4
11	MP4A	Z	0	4
12	MP4A	Mx	-.004	4
13	MP4B	X	16.798	2
14	MP4B	Z	0	2
15	MP4B	Mx	.004	2
16	MP4B	X	16.798	4
17	MP4B	Z	0	4
18	MP4B	Mx	.004	4
19	MP4C	X	19.517	2
20	MP4C	Z	0	2
21	MP4C	Mx	0	2
22	MP4C	X	19.517	4
23	MP4C	Z	0	4
24	MP4C	Mx	0	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
25	MP2A	X	11.945	1.5
26	MP2A	Z	0	1.5
27	MP2A	Mx	.006	1.5
28	MP2B	X	15.638	1.5
29	MP2B	Z	0	1.5
30	MP2B	Mx	-.004	1.5
31	MP2C	X	16.869	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP3A	X	11.058	1.5
35	MP3A	Z	0	1.5
36	MP3A	Mx	.006	1.5
37	MP3B	X	15.417	1.5
38	MP3B	Z	0	1.5
39	MP3B	Mx	-.004	1.5
40	MP3C	X	16.869	1.5
41	MP3C	Z	0	1.5
42	MP3C	Mx	0	1.5
43	MP1B	X	26.551	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	.007	.5
46	MP1B	X	26.551	5.5
47	MP1B	Z	0	5.5
48	MP1B	Mx	.007	5.5
49	MP1C	X	15.406	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	0	1.5
52	MP1C	X	15.406	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	0	4.5
55	MP1A	X	19.914	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	-.01	.5
58	MP1A	X	19.914	5.5
59	MP1A	Z	0	5.5
60	MP1A	Mx	-.01	5.5
61	MP3A	X	23.017	.5
62	MP3A	Z	0	.5
63	MP3A	Mx	-.012	.5
64	MP3A	X	23.017	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	-.012	5.5
67	MP3B	X	30.343	.5
68	MP3B	Z	0	.5
69	MP3B	Mx	-.008	.5
70	MP3B	X	30.343	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.008	5.5
73	MP3C	X	32.784	.5
74	MP3C	Z	0	.5
75	MP3C	Mx	.019	.5
76	MP3C	X	32.784	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.019	5.5
79	MP3A	X	23.017	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	-.012	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3A	X	23.017	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.012	5.5
85	MP3B	X	30.343	.5
86	MP3B	Z	0	.5
87	MP3B	Mx	.023	.5
88	MP3B	X	30.343	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	.023	5.5
91	MP3C	X	32.784	.5
92	MP3C	Z	0	.5
93	MP3C	Mx	-.019	.5
94	MP3C	X	32.784	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	-.019	5.5
97	M61	X	3.928	5.5
98	M61	Z	0	5.5
99	M61	Mx	-.000655	5.5
100	M61	X	3.928	5.5
101	M61	Z	0	5.5
102	M61	Mx	.000655	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M97	X	24.723	1
2	M97	Z	14.274	1
3	M97	Mx	0	1
4	M95	X	24.723	1
5	M95	Z	14.274	1
6	M95	Mx	0	1
7	MP4A	X	9.837	2
8	MP4A	Z	5.679	2
9	MP4A	Mx	-.005	2
10	MP4A	X	9.837	4
11	MP4A	Z	5.679	4
12	MP4A	Mx	-.005	4
13	MP4B	X	16.902	2
14	MP4B	Z	9.758	2
15	MP4B	Mx	0	2
16	MP4B	X	16.902	4
17	MP4B	Z	9.758	4
18	MP4B	Mx	0	4
19	MP4C	X	14.547	2
20	MP4C	Z	8.399	2
21	MP4C	Mx	.004	2
22	MP4C	X	14.547	4
23	MP4C	Z	8.399	4
24	MP4C	Mx	.004	4
25	MP2A	X	11.411	1.5
26	MP2A	Z	6.588	1.5
27	MP2A	Mx	.006	1.5
28	MP2B	X	14.609	1.5
29	MP2B	Z	8.435	1.5
30	MP2B	Mx	0	1.5
31	MP2C	X	13.543	1.5
32	MP2C	Z	7.819	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
33	MP2C	Mx	-.004	1.5
34	MP3A	X	10.835	1.5
35	MP3A	Z	6.255	1.5
36	MP3A	Mx	.005	1.5
37	MP3B	X	14.609	1.5
38	MP3B	Z	8.435	1.5
39	MP3B	Mx	0	1.5
40	MP3C	X	13.351	1.5
41	MP3C	Z	7.708	1.5
42	MP3C	Mx	-.004	1.5
43	MP1B	X	25.487	.5
44	MP1B	Z	14.715	.5
45	MP1B	Mx	0	.5
46	MP1B	X	25.487	5.5
47	MP1B	Z	14.715	5.5
48	MP1B	Mx	0	5.5
49	MP1C	X	12.73	1.5
50	MP1C	Z	7.35	1.5
51	MP1C	Mx	.004	1.5
52	MP1C	X	12.73	4.5
53	MP1C	Z	7.35	4.5
54	MP1C	Mx	.004	4.5
55	MP1A	X	18.186	.5
56	MP1A	Z	10.5	.5
57	MP1A	Mx	-.009	.5
58	MP1A	X	18.186	5.5
59	MP1A	Z	10.5	5.5
60	MP1A	Mx	-.009	5.5
61	MP3A	X	22.048	.5
62	MP3A	Z	12.73	.5
63	MP3A	Mx	-.004	.5
64	MP3A	X	22.048	5.5
65	MP3A	Z	12.73	5.5
66	MP3A	Mx	-.004	5.5
67	MP3B	X	28.392	.5
68	MP3B	Z	16.392	.5
69	MP3B	Mx	-.019	.5
70	MP3B	X	28.392	5.5
71	MP3B	Z	16.392	5.5
72	MP3B	Mx	-.019	5.5
73	MP3C	X	26.277	.5
74	MP3C	Z	15.171	.5
75	MP3C	Mx	.023	.5
76	MP3C	X	26.277	5.5
77	MP3C	Z	15.171	5.5
78	MP3C	Mx	.023	5.5
79	MP3A	X	22.048	.5
80	MP3A	Z	12.73	.5
81	MP3A	Mx	-.018	.5
82	MP3A	X	22.048	5.5
83	MP3A	Z	12.73	5.5
84	MP3A	Mx	-.018	5.5
85	MP3B	X	28.392	.5
86	MP3B	Z	16.392	.5
87	MP3B	Mx	.019	.5
88	MP3B	X	28.392	5.5
89	MP3B	Z	16.392	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP3B	Mx	.019	5.5
91	MP3C	X	26.277	.5
92	MP3C	Z	15.171	.5
93	MP3C	Mx	-.008	.5
94	MP3C	X	26.277	5.5
95	MP3C	Z	15.171	5.5
96	MP3C	Mx	-.008	5.5
97	M61	X	4.618	5.5
98	M61	Z	2.666	5.5
99	M61	Mx	-.00077	5.5
100	M61	X	4.618	5.5
101	M61	Z	2.666	5.5
102	M61	Mx	.00077	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	16.055	1
2	M97	Z	27.808	1
3	M97	Mx	0	1
4	M95	X	16.055	1
5	M95	Z	27.808	1
6	M95	Mx	0	1
7	MP4A	X	8.399	2
8	MP4A	Z	14.547	2
9	MP4A	Mx	-.004	2
10	MP4A	X	8.399	4
11	MP4A	Z	14.547	4
12	MP4A	Mx	-.004	4
13	MP4B	X	8.399	2
14	MP4B	Z	14.547	2
15	MP4B	Mx	-.004	2
16	MP4B	X	8.399	4
17	MP4B	Z	14.547	4
18	MP4B	Mx	-.004	4
19	MP4C	X	5.679	2
20	MP4C	Z	9.837	2
21	MP4C	Mx	.005	2
22	MP4C	X	5.679	4
23	MP4C	Z	9.837	4
24	MP4C	Mx	.005	4
25	MP2A	X	7.819	1.5
26	MP2A	Z	13.543	1.5
27	MP2A	Mx	.004	1.5
28	MP2B	X	7.819	1.5
29	MP2B	Z	13.543	1.5
30	MP2B	Mx	.004	1.5
31	MP2C	X	6.588	1.5
32	MP2C	Z	11.411	1.5
33	MP2C	Mx	-.006	1.5
34	MP3A	X	7.708	1.5
35	MP3A	Z	13.351	1.5
36	MP3A	Mx	.004	1.5
37	MP3B	X	7.708	1.5
38	MP3B	Z	13.351	1.5
39	MP3B	Mx	.004	1.5
40	MP3C	X	6.255	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
41	MP3C	Z	10.835	1.5
42	MP3C	Mx	-.005	1.5
43	MP1B	X	13.276	.5
44	MP1B	Z	22.994	.5
45	MP1B	Mx	-.007	.5
46	MP1B	X	13.276	5.5
47	MP1B	Z	22.994	5.5
48	MP1B	Mx	-.007	5.5
49	MP1C	X	6.644	1.5
50	MP1C	Z	11.507	1.5
51	MP1C	Mx	.006	1.5
52	MP1C	X	6.644	4.5
53	MP1C	Z	11.507	4.5
54	MP1C	Mx	.006	4.5
55	MP1A	X	11.586	.5
56	MP1A	Z	20.067	.5
57	MP1A	Mx	-.006	.5
58	MP1A	X	11.586	5.5
59	MP1A	Z	20.067	5.5
60	MP1A	Mx	-.006	5.5
61	MP3A	X	15.171	.5
62	MP3A	Z	26.277	.5
63	MP3A	Mx	.008	.5
64	MP3A	X	15.171	5.5
65	MP3A	Z	26.277	5.5
66	MP3A	Mx	.008	5.5
67	MP3B	X	15.171	.5
68	MP3B	Z	26.277	.5
69	MP3B	Mx	-.023	.5
70	MP3B	X	15.171	5.5
71	MP3B	Z	26.277	5.5
72	MP3B	Mx	-.023	5.5
73	MP3C	X	12.73	.5
74	MP3C	Z	22.048	.5
75	MP3C	Mx	.018	.5
76	MP3C	X	12.73	5.5
77	MP3C	Z	22.048	5.5
78	MP3C	Mx	.018	5.5
79	MP3A	X	15.171	.5
80	MP3A	Z	26.277	.5
81	MP3A	Mx	-.023	.5
82	MP3A	X	15.171	5.5
83	MP3A	Z	26.277	5.5
84	MP3A	Mx	-.023	5.5
85	MP3B	X	15.171	.5
86	MP3B	Z	26.277	.5
87	MP3B	Mx	.008	.5
88	MP3B	X	15.171	5.5
89	MP3B	Z	26.277	5.5
90	MP3B	Mx	.008	5.5
91	MP3C	X	12.73	.5
92	MP3C	Z	22.048	.5
93	MP3C	Mx	.004	.5
94	MP3C	X	12.73	5.5
95	MP3C	Z	22.048	5.5
96	MP3C	Mx	.004	5.5
97	M61	X	4.07	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
98	M61	Z	7.05	5.5
99	M61	Mx	-.000678	5.5
100	M61	X	4.07	5.5
101	M61	Z	7.05	5.5
102	M61	Mx	.000678	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	0	1
2	M97	Z	33.891	1
3	M97	Mx	0	1
4	M95	X	0	1
5	M95	Z	33.891	1
6	M95	Mx	0	1
7	MP4A	X	0	2
8	MP4A	Z	19.517	2
9	MP4A	Mx	0	2
10	MP4A	X	0	4
11	MP4A	Z	19.517	4
12	MP4A	Mx	0	4
13	MP4B	X	0	2
14	MP4B	Z	11.359	2
15	MP4B	Mx	-.005	2
16	MP4B	X	0	4
17	MP4B	Z	11.359	4
18	MP4B	Mx	-.005	4
19	MP4C	X	0	2
20	MP4C	Z	8.64	2
21	MP4C	Mx	.004	2
22	MP4C	X	0	4
23	MP4C	Z	8.64	4
24	MP4C	Mx	.004	4
25	MP2A	X	0	1.5
26	MP2A	Z	16.869	1.5
27	MP2A	Mx	0	1.5
28	MP2B	X	0	1.5
29	MP2B	Z	13.176	1.5
30	MP2B	Mx	.006	1.5
31	MP2C	X	0	1.5
32	MP2C	Z	11.945	1.5
33	MP2C	Mx	-.006	1.5
34	MP3A	X	0	1.5
35	MP3A	Z	16.869	1.5
36	MP3A	Mx	0	1.5
37	MP3B	X	0	1.5
38	MP3B	Z	12.511	1.5
39	MP3B	Mx	.005	1.5
40	MP3C	X	0	1.5
41	MP3C	Z	11.058	1.5
42	MP3C	Mx	-.006	1.5
43	MP1B	X	0	.5
44	MP1B	Z	20.793	.5
45	MP1B	Mx	-.009	.5
46	MP1B	X	0	5.5
47	MP1B	Z	20.793	5.5
48	MP1B	Mx	-.009	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP1C	X	0	1.5
50	MP1C	Z	12.581	1.5
51	MP1C	Mx	.006	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	12.581	4.5
54	MP1C	Mx	.006	4.5
55	MP1A	X	0	.5
56	MP1A	Z	24.257	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	5.5
59	MP1A	Z	24.257	5.5
60	MP1A	Mx	0	5.5
61	MP3A	X	0	.5
62	MP3A	Z	32.784	.5
63	MP3A	Mx	.019	.5
64	MP3A	X	0	5.5
65	MP3A	Z	32.784	5.5
66	MP3A	Mx	.019	5.5
67	MP3B	X	0	.5
68	MP3B	Z	25.459	.5
69	MP3B	Mx	-.018	.5
70	MP3B	X	0	5.5
71	MP3B	Z	25.459	5.5
72	MP3B	Mx	-.018	5.5
73	MP3C	X	0	.5
74	MP3C	Z	23.017	.5
75	MP3C	Mx	.012	.5
76	MP3C	X	0	5.5
77	MP3C	Z	23.017	5.5
78	MP3C	Mx	.012	5.5
79	MP3A	X	0	.5
80	MP3A	Z	32.784	.5
81	MP3A	Mx	-.019	.5
82	MP3A	X	0	5.5
83	MP3A	Z	32.784	5.5
84	MP3A	Mx	-.019	5.5
85	MP3B	X	0	.5
86	MP3B	Z	25.459	.5
87	MP3B	Mx	-.004	.5
88	MP3B	X	0	5.5
89	MP3B	Z	25.459	5.5
90	MP3B	Mx	-.004	5.5
91	MP3C	X	0	.5
92	MP3C	Z	23.017	.5
93	MP3C	Mx	.012	.5
94	MP3C	X	0	5.5
95	MP3C	Z	23.017	5.5
96	MP3C	Mx	.012	5.5
97	M61	X	0	5.5
98	M61	Z	9.545	5.5
99	M61	Mx	0	5.5
100	M61	X	0	5.5
101	M61	Z	9.545	5.5
102	M61	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-16.055	1
2	M97	Z	27.808	1
3	M97	Mx	0	1
4	M95	X	-16.055	1
5	M95	Z	27.808	1
6	M95	Mx	0	1
7	MP4A	X	-8.399	2
8	MP4A	Z	14.547	2
9	MP4A	Mx	.004	2
10	MP4A	X	-8.399	4
11	MP4A	Z	14.547	4
12	MP4A	Mx	.004	4
13	MP4B	X	-4.32	2
14	MP4B	Z	7.482	2
15	MP4B	Mx	-.004	2
16	MP4B	X	-4.32	4
17	MP4B	Z	7.482	4
18	MP4B	Mx	-.004	4
19	MP4C	X	-5.679	2
20	MP4C	Z	9.837	2
21	MP4C	Mx	.005	2
22	MP4C	X	-5.679	4
23	MP4C	Z	9.837	4
24	MP4C	Mx	.005	4
25	MP2A	X	-7.819	1.5
26	MP2A	Z	13.543	1.5
27	MP2A	Mx	-.004	1.5
28	MP2B	X	-5.972	1.5
29	MP2B	Z	10.344	1.5
30	MP2B	Mx	.006	1.5
31	MP2C	X	-6.588	1.5
32	MP2C	Z	11.411	1.5
33	MP2C	Mx	-.006	1.5
34	MP3A	X	-7.708	1.5
35	MP3A	Z	13.351	1.5
36	MP3A	Mx	-.004	1.5
37	MP3B	X	-5.529	1.5
38	MP3B	Z	9.577	1.5
39	MP3B	Mx	.006	1.5
40	MP3C	X	-6.255	1.5
41	MP3C	Z	10.835	1.5
42	MP3C	Mx	-.005	1.5
43	MP1B	X	-8.957	.5
44	MP1B	Z	15.514	.5
45	MP1B	Mx	-.009	.5
46	MP1B	X	-8.957	5.5
47	MP1B	Z	15.514	5.5
48	MP1B	Mx	-.009	5.5
49	MP1C	X	-6.644	1.5
50	MP1C	Z	11.507	1.5
51	MP1C	Mx	.006	1.5
52	MP1C	X	-6.644	4.5
53	MP1C	Z	11.507	4.5
54	MP1C	Mx	.006	4.5
55	MP1A	X	-11.586	.5
56	MP1A	Z	20.067	.5
57	MP1A	Mx	.006	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-11.586	5.5
59	MP1A	Z	20.067	5.5
60	MP1A	Mx	.006	5.5
61	MP3A	X	-15.171	.5
62	MP3A	Z	26.277	.5
63	MP3A	Mx	.023	.5
64	MP3A	X	-15.171	5.5
65	MP3A	Z	26.277	5.5
66	MP3A	Mx	.023	5.5
67	MP3B	X	-11.509	.5
68	MP3B	Z	19.934	.5
69	MP3B	Mx	-.012	.5
70	MP3B	X	-11.509	5.5
71	MP3B	Z	19.934	5.5
72	MP3B	Mx	-.012	5.5
73	MP3C	X	-12.73	.5
74	MP3C	Z	22.048	.5
75	MP3C	Mx	.004	.5
76	MP3C	X	-12.73	5.5
77	MP3C	Z	22.048	5.5
78	MP3C	Mx	.004	5.5
79	MP3A	X	-15.171	.5
80	MP3A	Z	26.277	.5
81	MP3A	Mx	-.008	.5
82	MP3A	X	-15.171	5.5
83	MP3A	Z	26.277	5.5
84	MP3A	Mx	-.008	5.5
85	MP3B	X	-11.509	.5
86	MP3B	Z	19.934	.5
87	MP3B	Mx	-.012	.5
88	MP3B	X	-11.509	5.5
89	MP3B	Z	19.934	5.5
90	MP3B	Mx	-.012	5.5
91	MP3C	X	-12.73	.5
92	MP3C	Z	22.048	.5
93	MP3C	Mx	.018	.5
94	MP3C	X	-12.73	5.5
95	MP3C	Z	22.048	5.5
96	MP3C	Mx	.018	5.5
97	M61	X	-4.07	5.5
98	M61	Z	7.05	5.5
99	M61	Mx	.000678	5.5
100	M61	X	-4.07	5.5
101	M61	Z	7.05	5.5
102	M61	Mx	-.000678	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-24.723	1
2	M97	Z	14.274	1
3	M97	Mx	0	1
4	M95	X	-24.723	1
5	M95	Z	14.274	1
6	M95	Mx	0	1
7	MP4A	X	-9.837	2
8	MP4A	Z	5.679	2



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
9	MP4A	Mx	.005	2
10	MP4A	X	-9.837	4
11	MP4A	Z	5.679	4
12	MP4A	Mx	.005	4
13	MP4B	X	-9.837	2
14	MP4B	Z	5.679	2
15	MP4B	Mx	-.005	2
16	MP4B	X	-9.837	4
17	MP4B	Z	5.679	4
18	MP4B	Mx	-.005	4
19	MP4C	X	-14.547	2
20	MP4C	Z	8.399	2
21	MP4C	Mx	.004	2
22	MP4C	X	-14.547	4
23	MP4C	Z	8.399	4
24	MP4C	Mx	.004	4
25	MP2A	X	-11.411	1.5
26	MP2A	Z	6.588	1.5
27	MP2A	Mx	-.006	1.5
28	MP2B	X	-11.411	1.5
29	MP2B	Z	6.588	1.5
30	MP2B	Mx	.006	1.5
31	MP2C	X	-13.543	1.5
32	MP2C	Z	7.819	1.5
33	MP2C	Mx	-.004	1.5
34	MP3A	X	-10.835	1.5
35	MP3A	Z	6.255	1.5
36	MP3A	Mx	-.005	1.5
37	MP3B	X	-10.835	1.5
38	MP3B	Z	6.255	1.5
39	MP3B	Mx	.005	1.5
40	MP3C	X	-13.351	1.5
41	MP3C	Z	7.708	1.5
42	MP3C	Mx	-.004	1.5
43	MP1B	X	-18.007	.5
44	MP1B	Z	10.397	.5
45	MP1B	Mx	-.009	.5
46	MP1B	X	-18.007	5.5
47	MP1B	Z	10.397	5.5
48	MP1B	Mx	-.009	5.5
49	MP1C	X	-12.73	1.5
50	MP1C	Z	7.35	1.5
51	MP1C	Mx	.004	1.5
52	MP1C	X	-12.73	4.5
53	MP1C	Z	7.35	4.5
54	MP1C	Mx	.004	4.5
55	MP1A	X	-18.186	.5
56	MP1A	Z	10.5	.5
57	MP1A	Mx	.009	.5
58	MP1A	X	-18.186	5.5
59	MP1A	Z	10.5	5.5
60	MP1A	Mx	.009	5.5
61	MP3A	X	-22.048	.5
62	MP3A	Z	12.73	.5
63	MP3A	Mx	.018	.5
64	MP3A	X	-22.048	5.5
65	MP3A	Z	12.73	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP3A	Mx	.018	5.5
67	MP3B	X	-22.048	.5
68	MP3B	Z	12.73	.5
69	MP3B	Mx	-.004	.5
70	MP3B	X	-22.048	5.5
71	MP3B	Z	12.73	5.5
72	MP3B	Mx	-.004	5.5
73	MP3C	X	-26.277	.5
74	MP3C	Z	15.171	.5
75	MP3C	Mx	-.008	.5
76	MP3C	X	-26.277	5.5
77	MP3C	Z	15.171	5.5
78	MP3C	Mx	-.008	5.5
79	MP3A	X	-22.048	.5
80	MP3A	Z	12.73	.5
81	MP3A	Mx	.004	.5
82	MP3A	X	-22.048	5.5
83	MP3A	Z	12.73	5.5
84	MP3A	Mx	.004	5.5
85	MP3B	X	-22.048	.5
86	MP3B	Z	12.73	.5
87	MP3B	Mx	-.018	.5
88	MP3B	X	-22.048	5.5
89	MP3B	Z	12.73	5.5
90	MP3B	Mx	-.018	5.5
91	MP3C	X	-26.277	.5
92	MP3C	Z	15.171	.5
93	MP3C	Mx	.023	.5
94	MP3C	X	-26.277	5.5
95	MP3C	Z	15.171	5.5
96	MP3C	Mx	.023	5.5
97	M61	X	-4.618	5.5
98	M61	Z	2.666	5.5
99	M61	Mx	.00077	5.5
100	M61	X	-4.618	5.5
101	M61	Z	2.666	5.5
102	M61	Mx	-.00077	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-26.767	1
2	M97	Z	0	1
3	M97	Mx	0	1
4	M95	X	-26.767	1
5	M95	Z	0	1
6	M95	Mx	0	1
7	MP4A	X	-8.64	2
8	MP4A	Z	0	2
9	MP4A	Mx	.004	2
10	MP4A	X	-8.64	4
11	MP4A	Z	0	4
12	MP4A	Mx	.004	4
13	MP4B	X	-16.798	2
14	MP4B	Z	0	2
15	MP4B	Mx	-.004	2
16	MP4B	X	-16.798	4



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

	Member Label	Direction	Magnitude[lb, k-ft]	Location[ft, %]
17	MP4B	Z	0	4
18	MP4B	Mx	-.004	4
19	MP4C	X	-19.517	2
20	MP4C	Z	0	2
21	MP4C	Mx	0	2
22	MP4C	X	-19.517	4
23	MP4C	Z	0	4
24	MP4C	Mx	0	4
25	MP2A	X	-11.945	1.5
26	MP2A	Z	0	1.5
27	MP2A	Mx	-.006	1.5
28	MP2B	X	-15.638	1.5
29	MP2B	Z	0	1.5
30	MP2B	Mx	.004	1.5
31	MP2C	X	-16.869	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP3A	X	-11.058	1.5
35	MP3A	Z	0	1.5
36	MP3A	Mx	-.006	1.5
37	MP3B	X	-15.417	1.5
38	MP3B	Z	0	1.5
39	MP3B	Mx	.004	1.5
40	MP3C	X	-16.869	1.5
41	MP3C	Z	0	1.5
42	MP3C	Mx	0	1.5
43	MP1B	X	-26.551	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	-.007	.5
46	MP1B	X	-26.551	5.5
47	MP1B	Z	0	5.5
48	MP1B	Mx	-.007	5.5
49	MP1C	X	-15.406	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	0	1.5
52	MP1C	X	-15.406	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	0	4.5
55	MP1A	X	-19.914	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.01	.5
58	MP1A	X	-19.914	5.5
59	MP1A	Z	0	5.5
60	MP1A	Mx	.01	5.5
61	MP3A	X	-23.017	.5
62	MP3A	Z	0	.5
63	MP3A	Mx	.012	.5
64	MP3A	X	-23.017	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	.012	5.5
67	MP3B	X	-30.343	.5
68	MP3B	Z	0	.5
69	MP3B	Mx	.008	.5
70	MP3B	X	-30.343	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.008	5.5
73	MP3C	X	-32.784	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
74	MP3C	Z	0	.5
75	MP3C	Mx	-.019	.5
76	MP3C	X	-32.784	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.019	5.5
79	MP3A	X	-23.017	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	.012	.5
82	MP3A	X	-23.017	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.012	5.5
85	MP3B	X	-30.343	.5
86	MP3B	Z	0	.5
87	MP3B	Mx	-.023	.5
88	MP3B	X	-30.343	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	-.023	5.5
91	MP3C	X	-32.784	.5
92	MP3C	Z	0	.5
93	MP3C	Mx	.019	.5
94	MP3C	X	-32.784	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	.019	5.5
97	M61	X	-3.928	5.5
98	M61	Z	0	5.5
99	M61	Mx	.000655	5.5
100	M61	X	-3.928	5.5
101	M61	Z	0	5.5
102	M61	Mx	-.000655	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-24.723	1
2	M97	Z	-14.274	1
3	M97	Mx	0	1
4	M95	X	-24.723	1
5	M95	Z	-14.274	1
6	M95	Mx	0	1
7	MP4A	X	-9.837	2
8	MP4A	Z	-5.679	2
9	MP4A	Mx	.005	2
10	MP4A	X	-9.837	4
11	MP4A	Z	-5.679	4
12	MP4A	Mx	.005	4
13	MP4B	X	-16.902	2
14	MP4B	Z	-9.758	2
15	MP4B	Mx	0	2
16	MP4B	X	-16.902	4
17	MP4B	Z	-9.758	4
18	MP4B	Mx	0	4
19	MP4C	X	-14.547	2
20	MP4C	Z	-8.399	2
21	MP4C	Mx	-.004	2
22	MP4C	X	-14.547	4
23	MP4C	Z	-8.399	4
24	MP4C	Mx	-.004	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
25	MP2A	X	-11.411	1.5
26	MP2A	Z	-6.588	1.5
27	MP2A	Mx	-.006	1.5
28	MP2B	X	-14.609	1.5
29	MP2B	Z	-8.435	1.5
30	MP2B	Mx	0	1.5
31	MP2C	X	-13.543	1.5
32	MP2C	Z	-7.819	1.5
33	MP2C	Mx	.004	1.5
34	MP3A	X	-10.835	1.5
35	MP3A	Z	-6.255	1.5
36	MP3A	Mx	-.005	1.5
37	MP3B	X	-14.609	1.5
38	MP3B	Z	-8.435	1.5
39	MP3B	Mx	0	1.5
40	MP3C	X	-13.351	1.5
41	MP3C	Z	-7.708	1.5
42	MP3C	Mx	.004	1.5
43	MP1B	X	-25.487	.5
44	MP1B	Z	-14.715	.5
45	MP1B	Mx	0	.5
46	MP1B	X	-25.487	5.5
47	MP1B	Z	-14.715	5.5
48	MP1B	Mx	0	5.5
49	MP1C	X	-12.73	1.5
50	MP1C	Z	-7.35	1.5
51	MP1C	Mx	-.004	1.5
52	MP1C	X	-12.73	4.5
53	MP1C	Z	-7.35	4.5
54	MP1C	Mx	-.004	4.5
55	MP1A	X	-18.186	.5
56	MP1A	Z	-10.5	.5
57	MP1A	Mx	.009	.5
58	MP1A	X	-18.186	5.5
59	MP1A	Z	-10.5	5.5
60	MP1A	Mx	.009	5.5
61	MP3A	X	-22.048	.5
62	MP3A	Z	-12.73	.5
63	MP3A	Mx	.004	.5
64	MP3A	X	-22.048	5.5
65	MP3A	Z	-12.73	5.5
66	MP3A	Mx	.004	5.5
67	MP3B	X	-28.392	.5
68	MP3B	Z	-16.392	.5
69	MP3B	Mx	.019	.5
70	MP3B	X	-28.392	5.5
71	MP3B	Z	-16.392	5.5
72	MP3B	Mx	.019	5.5
73	MP3C	X	-26.277	.5
74	MP3C	Z	-15.171	.5
75	MP3C	Mx	-.023	.5
76	MP3C	X	-26.277	5.5
77	MP3C	Z	-15.171	5.5
78	MP3C	Mx	-.023	5.5
79	MP3A	X	-22.048	.5
80	MP3A	Z	-12.73	.5
81	MP3A	Mx	.018	.5



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
82	MP3A	X	-22.048	5.5
83	MP3A	Z	-12.73	5.5
84	MP3A	Mx	.018	5.5
85	MP3B	X	-28.392	.5
86	MP3B	Z	-16.392	.5
87	MP3B	Mx	-.019	.5
88	MP3B	X	-28.392	5.5
89	MP3B	Z	-16.392	5.5
90	MP3B	Mx	-.019	5.5
91	MP3C	X	-26.277	.5
92	MP3C	Z	-15.171	.5
93	MP3C	Mx	.008	.5
94	MP3C	X	-26.277	5.5
95	MP3C	Z	-15.171	5.5
96	MP3C	Mx	.008	5.5
97	M61	X	-4.618	5.5
98	M61	Z	-2.666	5.5
99	M61	Mx	.00077	5.5
100	M61	X	-4.618	5.5
101	M61	Z	-2.666	5.5
102	M61	Mx	-.00077	5.5

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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
1	M97	X	-16.055	1
2	M97	Z	-27.808	1
3	M97	Mx	0	1
4	M95	X	-16.055	1
5	M95	Z	-27.808	1
6	M95	Mx	0	1
7	MP4A	X	-8.399	2
8	MP4A	Z	-14.547	2
9	MP4A	Mx	.004	2
10	MP4A	X	-8.399	4
11	MP4A	Z	-14.547	4
12	MP4A	Mx	.004	4
13	MP4B	X	-8.399	2
14	MP4B	Z	-14.547	2
15	MP4B	Mx	.004	2
16	MP4B	X	-8.399	4
17	MP4B	Z	-14.547	4
18	MP4B	Mx	.004	4
19	MP4C	X	-5.679	2
20	MP4C	Z	-9.837	2
21	MP4C	Mx	-.005	2
22	MP4C	X	-5.679	4
23	MP4C	Z	-9.837	4
24	MP4C	Mx	-.005	4
25	MP2A	X	-7.819	1.5
26	MP2A	Z	-13.543	1.5
27	MP2A	Mx	-.004	1.5
28	MP2B	X	-7.819	1.5
29	MP2B	Z	-13.543	1.5
30	MP2B	Mx	-.004	1.5
31	MP2C	X	-6.588	1.5
32	MP2C	Z	-11.411	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
33	MP2C	Mx	.006	1.5
34	MP3A	X	-7.708	1.5
35	MP3A	Z	-13.351	1.5
36	MP3A	Mx	-.004	1.5
37	MP3B	X	-7.708	1.5
38	MP3B	Z	-13.351	1.5
39	MP3B	Mx	-.004	1.5
40	MP3C	X	-6.255	1.5
41	MP3C	Z	-10.835	1.5
42	MP3C	Mx	.005	1.5
43	MP1B	X	-13.276	.5
44	MP1B	Z	-22.994	.5
45	MP1B	Mx	.007	.5
46	MP1B	X	-13.276	5.5
47	MP1B	Z	-22.994	5.5
48	MP1B	Mx	.007	5.5
49	MP1C	X	-6.644	1.5
50	MP1C	Z	-11.507	1.5
51	MP1C	Mx	-.006	1.5
52	MP1C	X	-6.644	4.5
53	MP1C	Z	-11.507	4.5
54	MP1C	Mx	-.006	4.5
55	MP1A	X	-11.586	.5
56	MP1A	Z	-20.067	.5
57	MP1A	Mx	.006	.5
58	MP1A	X	-11.586	5.5
59	MP1A	Z	-20.067	5.5
60	MP1A	Mx	.006	5.5
61	MP3A	X	-15.171	.5
62	MP3A	Z	-26.277	.5
63	MP3A	Mx	-.008	.5
64	MP3A	X	-15.171	5.5
65	MP3A	Z	-26.277	5.5
66	MP3A	Mx	-.008	5.5
67	MP3B	X	-15.171	.5
68	MP3B	Z	-26.277	.5
69	MP3B	Mx	.023	.5
70	MP3B	X	-15.171	5.5
71	MP3B	Z	-26.277	5.5
72	MP3B	Mx	.023	5.5
73	MP3C	X	-12.73	.5
74	MP3C	Z	-22.048	.5
75	MP3C	Mx	-.018	.5
76	MP3C	X	-12.73	5.5
77	MP3C	Z	-22.048	5.5
78	MP3C	Mx	-.018	5.5
79	MP3A	X	-15.171	.5
80	MP3A	Z	-26.277	.5
81	MP3A	Mx	.023	.5
82	MP3A	X	-15.171	5.5
83	MP3A	Z	-26.277	5.5
84	MP3A	Mx	.023	5.5
85	MP3B	X	-15.171	.5
86	MP3B	Z	-26.277	.5
87	MP3B	Mx	-.008	.5
88	MP3B	X	-15.171	5.5
89	MP3B	Z	-26.277	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP3B	Mx	-.008	5.5
91	MP3C	X	-12.73	.5
92	MP3C	Z	-22.048	.5
93	MP3C	Mx	-.004	.5
94	MP3C	X	-12.73	5.5
95	MP3C	Z	-22.048	5.5
96	MP3C	Mx	-.004	5.5
97	M61	X	-4.07	5.5
98	M61	Z	-7.05	5.5
99	M61	Mx	.000678	5.5
100	M61	X	-4.07	5.5
101	M61	Z	-7.05	5.5
102	M61	Mx	-.000678	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	0	1
2	M97	Z	-7.951	1
3	M97	Mx	0	1
4	M95	X	0	1
5	M95	Z	-7.951	1
6	M95	Mx	0	1
7	MP4A	X	0	2
8	MP4A	Z	-4.916	2
9	MP4A	Mx	0	2
10	MP4A	X	0	4
11	MP4A	Z	-4.916	4
12	MP4A	Mx	0	4
13	MP4B	X	0	2
14	MP4B	Z	-2.499	2
15	MP4B	Mx	.001	2
16	MP4B	X	0	4
17	MP4B	Z	-2.499	4
18	MP4B	Mx	.001	4
19	MP4C	X	0	2
20	MP4C	Z	-1.693	2
21	MP4C	Mx	-.000847	2
22	MP4C	X	0	4
23	MP4C	Z	-1.693	4
24	MP4C	Mx	-.000847	4
25	MP2A	X	0	1.5
26	MP2A	Z	-3.888	1.5
27	MP2A	Mx	0	1.5
28	MP2B	X	0	1.5
29	MP2B	Z	-2.928	1.5
30	MP2B	Mx	-.001	1.5
31	MP2C	X	0	1.5
32	MP2C	Z	-2.608	1.5
33	MP2C	Mx	.001	1.5
34	MP3A	X	0	1.5
35	MP3A	Z	-3.888	1.5
36	MP3A	Mx	0	1.5
37	MP3B	X	0	1.5
38	MP3B	Z	-2.74	1.5
39	MP3B	Mx	-.001	1.5
40	MP3C	X	0	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
41	MP3C	Z	-2.358	1.5
42	MP3C	Mx	.001	1.5
43	MP1B	X	0	.5
44	MP1B	Z	-6.071	.5
45	MP1B	Mx	.003	.5
46	MP1B	X	0	5.5
47	MP1B	Z	-6.071	5.5
48	MP1B	Mx	.003	5.5
49	MP1C	X	0	1.5
50	MP1C	Z	-3.502	1.5
51	MP1C	Mx	-.002	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	-3.502	4.5
54	MP1C	Mx	-.002	4.5
55	MP1A	X	0	.5
56	MP1A	Z	-7.223	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	5.5
59	MP1A	Z	-7.223	5.5
60	MP1A	Mx	0	5.5
61	MP3A	X	0	.5
62	MP3A	Z	-6.91	.5
63	MP3A	Mx	-.004	.5
64	MP3A	X	0	5.5
65	MP3A	Z	-6.91	5.5
66	MP3A	Mx	-.004	5.5
67	MP3B	X	0	.5
68	MP3B	Z	-3.957	.5
69	MP3B	Mx	.003	.5
70	MP3B	X	0	5.5
71	MP3B	Z	-3.957	5.5
72	MP3B	Mx	.003	5.5
73	MP3C	X	0	.5
74	MP3C	Z	-2.972	.5
75	MP3C	Mx	-.001	.5
76	MP3C	X	0	5.5
77	MP3C	Z	-2.972	5.5
78	MP3C	Mx	-.001	5.5
79	MP3A	X	0	.5
80	MP3A	Z	-6.91	.5
81	MP3A	Mx	.004	.5
82	MP3A	X	0	5.5
83	MP3A	Z	-6.91	5.5
84	MP3A	Mx	.004	5.5
85	MP3B	X	0	.5
86	MP3B	Z	-3.957	.5
87	MP3B	Mx	.000559	.5
88	MP3B	X	0	5.5
89	MP3B	Z	-3.957	5.5
90	MP3B	Mx	.000559	5.5
91	MP3C	X	0	.5
92	MP3C	Z	-2.972	.5
93	MP3C	Mx	-.001	.5
94	MP3C	X	0	5.5
95	MP3C	Z	-2.972	5.5
96	MP3C	Mx	-.001	5.5
97	M61	X	0	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
98	M61	Z	-2.408	5.5
99	M61	Mx	0	5.5
100	M61	X	0	5.5
101	M61	Z	-2.408	5.5
102	M61	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	3.737	1
2	M97	Z	-6.473	1
3	M97	Mx	0	1
4	M95	X	3.737	1
5	M95	Z	-6.473	1
6	M95	Mx	0	1
7	MP4A	X	2.055	2
8	MP4A	Z	-3.56	2
9	MP4A	Mx	-.001	2
10	MP4A	X	2.055	4
11	MP4A	Z	-3.56	4
12	MP4A	Mx	-.001	4
13	MP4B	X	.846	2
14	MP4B	Z	-1.466	2
15	MP4B	Mx	.000846	2
16	MP4B	X	.846	4
17	MP4B	Z	-1.466	4
18	MP4B	Mx	.000846	4
19	MP4C	X	1.249	2
20	MP4C	Z	-2.164	2
21	MP4C	Mx	-.001	2
22	MP4C	X	1.249	4
23	MP4C	Z	-2.164	4
24	MP4C	Mx	-.001	4
25	MP2A	X	1.784	1.5
26	MP2A	Z	-3.09	1.5
27	MP2A	Mx	.000892	1.5
28	MP2B	X	1.304	1.5
29	MP2B	Z	-2.259	1.5
30	MP2B	Mx	-.001	1.5
31	MP2C	X	1.464	1.5
32	MP2C	Z	-2.536	1.5
33	MP2C	Mx	.001	1.5
34	MP3A	X	1.753	1.5
35	MP3A	Z	-3.035	1.5
36	MP3A	Mx	.000876	1.5
37	MP3B	X	1.179	1.5
38	MP3B	Z	-2.042	1.5
39	MP3B	Mx	-.001	1.5
40	MP3C	X	1.37	1.5
41	MP3C	Z	-2.373	1.5
42	MP3C	Mx	.001	1.5
43	MP1B	X	2.53	.5
44	MP1B	Z	-4.382	.5
45	MP1B	Mx	.003	.5
46	MP1B	X	2.53	5.5
47	MP1B	Z	-4.382	5.5
48	MP1B	Mx	.003	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP1C	X	1.871	1.5
50	MP1C	Z	-3.241	1.5
51	MP1C	Mx	-.002	1.5
52	MP1C	X	1.871	4.5
53	MP1C	Z	-3.241	4.5
54	MP1C	Mx	-.002	4.5
55	MP1A	X	3.424	.5
56	MP1A	Z	-5.93	.5
57	MP1A	Mx	-.002	.5
58	MP1A	X	3.424	5.5
59	MP1A	Z	-5.93	5.5
60	MP1A	Mx	-.002	5.5
61	MP3A	X	2.963	.5
62	MP3A	Z	-5.132	.5
63	MP3A	Mx	-.004	.5
64	MP3A	X	2.963	5.5
65	MP3A	Z	-5.132	5.5
66	MP3A	Mx	-.004	5.5
67	MP3B	X	1.486	.5
68	MP3B	Z	-2.574	.5
69	MP3B	Mx	.001	.5
70	MP3B	X	1.486	5.5
71	MP3B	Z	-2.574	5.5
72	MP3B	Mx	.001	5.5
73	MP3C	X	1.978	.5
74	MP3C	Z	-3.426	.5
75	MP3C	Mx	-.000559	.5
76	MP3C	X	1.978	5.5
77	MP3C	Z	-3.426	5.5
78	MP3C	Mx	-.000559	5.5
79	MP3A	X	2.963	.5
80	MP3A	Z	-5.132	.5
81	MP3A	Mx	.002	.5
82	MP3A	X	2.963	5.5
83	MP3A	Z	-5.132	5.5
84	MP3A	Mx	.002	5.5
85	MP3B	X	1.486	.5
86	MP3B	Z	-2.574	.5
87	MP3B	Mx	.001	.5
88	MP3B	X	1.486	5.5
89	MP3B	Z	-2.574	5.5
90	MP3B	Mx	.001	5.5
91	MP3C	X	1.978	.5
92	MP3C	Z	-3.426	.5
93	MP3C	Mx	-.003	.5
94	MP3C	X	1.978	5.5
95	MP3C	Z	-3.426	5.5
96	MP3C	Mx	-.003	5.5
97	M61	X	.994	5.5
98	M61	Z	-1.722	5.5
99	M61	Mx	-.000166	5.5
100	M61	X	.994	5.5
101	M61	Z	-1.722	5.5
102	M61	Mx	.000166	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
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**Member Point Loads (BLC 29 : Antenna Wm (60 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	5.647	1
2	M97	Z	-3.261	1
3	M97	Mx	0	1
4	M95	X	5.647	1
5	M95	Z	-3.261	1
6	M95	Mx	0	1
7	MP4A	X	2.164	2
8	MP4A	Z	-1.249	2
9	MP4A	Mx	-.001	2
10	MP4A	X	2.164	4
11	MP4A	Z	-1.249	4
12	MP4A	Mx	-.001	4
13	MP4B	X	2.164	2
14	MP4B	Z	-1.249	2
15	MP4B	Mx	.001	2
16	MP4B	X	2.164	4
17	MP4B	Z	-1.249	4
18	MP4B	Mx	.001	4
19	MP4C	X	3.56	2
20	MP4C	Z	-2.055	2
21	MP4C	Mx	-.001	2
22	MP4C	X	3.56	4
23	MP4C	Z	-2.055	4
24	MP4C	Mx	-.001	4
25	MP2A	X	2.536	1.5
26	MP2A	Z	-1.464	1.5
27	MP2A	Mx	.001	1.5
28	MP2B	X	2.536	1.5
29	MP2B	Z	-1.464	1.5
30	MP2B	Mx	-.001	1.5
31	MP2C	X	3.09	1.5
32	MP2C	Z	-1.784	1.5
33	MP2C	Mx	.000892	1.5
34	MP3A	X	2.373	1.5
35	MP3A	Z	-1.37	1.5
36	MP3A	Mx	.001	1.5
37	MP3B	X	2.373	1.5
38	MP3B	Z	-1.37	1.5
39	MP3B	Mx	-.001	1.5
40	MP3C	X	3.035	1.5
41	MP3C	Z	-1.753	1.5
42	MP3C	Mx	.000876	1.5
43	MP1B	X	5.258	.5
44	MP1B	Z	-3.036	.5
45	MP1B	Mx	.003	.5
46	MP1B	X	5.258	5.5
47	MP1B	Z	-3.036	5.5
48	MP1B	Mx	.003	5.5
49	MP1C	X	3.658	1.5
50	MP1C	Z	-2.112	1.5
51	MP1C	Mx	-.001	1.5
52	MP1C	X	3.658	4.5
53	MP1C	Z	-2.112	4.5
54	MP1C	Mx	-.001	4.5
55	MP1A	X	5.279	.5
56	MP1A	Z	-3.048	.5
57	MP1A	Mx	-.003	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	5.279	5.5
59	MP1A	Z	-3.048	5.5
60	MP1A	Mx	-.003	5.5
61	MP3A	X	3.426	.5
62	MP3A	Z	-1.978	.5
63	MP3A	Mx	-.003	.5
64	MP3A	X	3.426	5.5
65	MP3A	Z	-1.978	5.5
66	MP3A	Mx	-.003	5.5
67	MP3B	X	3.426	.5
68	MP3B	Z	-1.978	.5
69	MP3B	Mx	.000559	.5
70	MP3B	X	3.426	5.5
71	MP3B	Z	-1.978	5.5
72	MP3B	Mx	.000559	5.5
73	MP3C	X	5.132	.5
74	MP3C	Z	-2.963	.5
75	MP3C	Mx	.002	.5
76	MP3C	X	5.132	5.5
77	MP3C	Z	-2.963	5.5
78	MP3C	Mx	.002	5.5
79	MP3A	X	3.426	.5
80	MP3A	Z	-1.978	.5
81	MP3A	Mx	-.000559	.5
82	MP3A	X	3.426	5.5
83	MP3A	Z	-1.978	5.5
84	MP3A	Mx	-.000559	5.5
85	MP3B	X	3.426	.5
86	MP3B	Z	-1.978	.5
87	MP3B	Mx	.003	.5
88	MP3B	X	3.426	5.5
89	MP3B	Z	-1.978	5.5
90	MP3B	Mx	.003	5.5
91	MP3C	X	5.132	.5
92	MP3C	Z	-2.963	.5
93	MP3C	Mx	-.004	.5
94	MP3C	X	5.132	5.5
95	MP3C	Z	-2.963	5.5
96	MP3C	Mx	-.004	5.5
97	M61	X	.996	5.5
98	M61	Z	-.575	5.5
99	M61	Mx	-.000166	5.5
100	M61	X	.996	5.5
101	M61	Z	-.575	5.5
102	M61	Mx	.000166	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	6.045	1
2	M97	Z	0	1
3	M97	Mx	0	1
4	M95	X	6.045	1
5	M95	Z	0	1
6	M95	Mx	0	1
7	MP4A	X	1.693	2
8	MP4A	Z	0	2



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

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



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP3A	Mx	- .001	5.5
67	MP3B	X	5.925	.5
68	MP3B	Z	0	.5
69	MP3B	Mx	-.002	.5
70	MP3B	X	5.925	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	-.002	5.5
73	MP3C	X	6.91	.5
74	MP3C	Z	0	.5
75	MP3C	Mx	.004	.5
76	MP3C	X	6.91	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	.004	5.5
79	MP3A	X	2.972	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	-.001	.5
82	MP3A	X	2.972	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	-.001	5.5
85	MP3B	X	5.925	.5
86	MP3B	Z	0	.5
87	MP3B	Mx	.004	.5
88	MP3B	X	5.925	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	.004	5.5
91	MP3C	X	6.91	.5
92	MP3C	Z	0	.5
93	MP3C	Mx	-.004	.5
94	MP3C	X	6.91	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	-.004	5.5
97	M61	X	.73	5.5
98	M61	Z	0	5.5
99	M61	Mx	-.000122	5.5
100	M61	X	.73	5.5
101	M61	Z	0	5.5
102	M61	Mx	.000122	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M97	X	5.647	1
2	M97	Z	3.261	1
3	M97	Mx	0	1
4	M95	X	5.647	1
5	M95	Z	3.261	1
6	M95	Mx	0	1
7	MP4A	X	2.164	2
8	MP4A	Z	1.249	2
9	MP4A	Mx	-.001	2
10	MP4A	X	2.164	4
11	MP4A	Z	1.249	4
12	MP4A	Mx	-.001	4
13	MP4B	X	4.257	2
14	MP4B	Z	2.458	2
15	MP4B	Mx	0	2
16	MP4B	X	4.257	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
17	MP4B	Z	2.458	4
18	MP4B	Mx	0	4
19	MP4C	X	3.56	2
20	MP4C	Z	2.055	2
21	MP4C	Mx	.001	2
22	MP4C	X	3.56	4
23	MP4C	Z	2.055	4
24	MP4C	Mx	.001	4
25	MP2A	X	2.536	1.5
26	MP2A	Z	1.464	1.5
27	MP2A	Mx	.001	1.5
28	MP2B	X	3.367	1.5
29	MP2B	Z	1.944	1.5
30	MP2B	Mx	0	1.5
31	MP2C	X	3.09	1.5
32	MP2C	Z	1.784	1.5
33	MP2C	Mx	-.000892	1.5
34	MP3A	X	2.373	1.5
35	MP3A	Z	1.37	1.5
36	MP3A	Mx	.001	1.5
37	MP3B	X	3.367	1.5
38	MP3B	Z	1.944	1.5
39	MP3B	Mx	0	1.5
40	MP3C	X	3.035	1.5
41	MP3C	Z	1.753	1.5
42	MP3C	Mx	-.000876	1.5
43	MP1B	X	7.885	.5
44	MP1B	Z	4.552	.5
45	MP1B	Mx	0	.5
46	MP1B	X	7.885	5.5
47	MP1B	Z	4.552	5.5
48	MP1B	Mx	0	5.5
49	MP1C	X	3.658	1.5
50	MP1C	Z	2.112	1.5
51	MP1C	Mx	.001	1.5
52	MP1C	X	3.658	4.5
53	MP1C	Z	2.112	4.5
54	MP1C	Mx	.001	4.5
55	MP1A	X	5.279	.5
56	MP1A	Z	3.048	.5
57	MP1A	Mx	-.003	.5
58	MP1A	X	5.279	5.5
59	MP1A	Z	3.048	5.5
60	MP1A	Mx	-.003	5.5
61	MP3A	X	3.426	.5
62	MP3A	Z	1.978	.5
63	MP3A	Mx	-.000559	.5
64	MP3A	X	3.426	5.5
65	MP3A	Z	1.978	5.5
66	MP3A	Mx	-.000559	5.5
67	MP3B	X	5.984	.5
68	MP3B	Z	3.455	.5
69	MP3B	Mx	-.004	.5
70	MP3B	X	5.984	5.5
71	MP3B	Z	3.455	5.5
72	MP3B	Mx	-.004	5.5
73	MP3C	X	5.132	.5



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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP3C	Z	2.963	.5
75	MP3C	Mx	.004	.5
76	MP3C	X	5.132	5.5
77	MP3C	Z	2.963	5.5
78	MP3C	Mx	.004	5.5
79	MP3A	X	3.426	.5
80	MP3A	Z	1.978	.5
81	MP3A	Mx	-.003	.5
82	MP3A	X	3.426	5.5
83	MP3A	Z	1.978	5.5
84	MP3A	Mx	-.003	5.5
85	MP3B	X	5.984	.5
86	MP3B	Z	3.455	.5
87	MP3B	Mx	.004	.5
88	MP3B	X	5.984	5.5
89	MP3B	Z	3.455	5.5
90	MP3B	Mx	.004	5.5
91	MP3C	X	5.132	.5
92	MP3C	Z	2.963	.5
93	MP3C	Mx	-.002	.5
94	MP3C	X	5.132	5.5
95	MP3C	Z	2.963	5.5
96	MP3C	Mx	-.002	5.5
97	M61	X	.996	5.5
98	M61	Z	.575	5.5
99	M61	Mx	-.000166	5.5
100	M61	X	.996	5.5
101	M61	Z	.575	5.5
102	M61	Mx	.000166	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M97	X	3.737	1
2	M97	Z	6.473	1
3	M97	Mx	0	1
4	M95	X	3.737	1
5	M95	Z	6.473	1
6	M95	Mx	0	1
7	MP4A	X	2.055	2
8	MP4A	Z	3.56	2
9	MP4A	Mx	-.001	2
10	MP4A	X	2.055	4
11	MP4A	Z	3.56	4
12	MP4A	Mx	-.001	4
13	MP4B	X	2.055	2
14	MP4B	Z	3.56	2
15	MP4B	Mx	-.001	2
16	MP4B	X	2.055	4
17	MP4B	Z	3.56	4
18	MP4B	Mx	-.001	4
19	MP4C	X	1.249	2
20	MP4C	Z	2.164	2
21	MP4C	Mx	.001	2
22	MP4C	X	1.249	4
23	MP4C	Z	2.164	4
24	MP4C	Mx	.001	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
25	MP2A	X	1.784	1.5
26	MP2A	Z	3.09	1.5
27	MP2A	Mx	.000892	1.5
28	MP2B	X	1.784	1.5
29	MP2B	Z	3.09	1.5
30	MP2B	Mx	.000892	1.5
31	MP2C	X	1.464	1.5
32	MP2C	Z	2.536	1.5
33	MP2C	Mx	-.001	1.5
34	MP3A	X	1.753	1.5
35	MP3A	Z	3.035	1.5
36	MP3A	Mx	.000876	1.5
37	MP3B	X	1.753	1.5
38	MP3B	Z	3.035	1.5
39	MP3B	Mx	.000876	1.5
40	MP3C	X	1.37	1.5
41	MP3C	Z	2.373	1.5
42	MP3C	Mx	-.001	1.5
43	MP1B	X	4.047	.5
44	MP1B	Z	7.009	.5
45	MP1B	Mx	-.002	.5
46	MP1B	X	4.047	5.5
47	MP1B	Z	7.009	5.5
48	MP1B	Mx	-.002	5.5
49	MP1C	X	1.871	1.5
50	MP1C	Z	3.241	1.5
51	MP1C	Mx	.002	1.5
52	MP1C	X	1.871	4.5
53	MP1C	Z	3.241	4.5
54	MP1C	Mx	.002	4.5
55	MP1A	X	3.424	.5
56	MP1A	Z	5.93	.5
57	MP1A	Mx	-.002	.5
58	MP1A	X	3.424	5.5
59	MP1A	Z	5.93	5.5
60	MP1A	Mx	-.002	5.5
61	MP3A	X	2.963	.5
62	MP3A	Z	5.132	.5
63	MP3A	Mx	.002	.5
64	MP3A	X	2.963	5.5
65	MP3A	Z	5.132	5.5
66	MP3A	Mx	.002	5.5
67	MP3B	X	2.963	.5
68	MP3B	Z	5.132	.5
69	MP3B	Mx	-.004	.5
70	MP3B	X	2.963	5.5
71	MP3B	Z	5.132	5.5
72	MP3B	Mx	-.004	5.5
73	MP3C	X	1.978	.5
74	MP3C	Z	3.426	.5
75	MP3C	Mx	.003	.5
76	MP3C	X	1.978	5.5
77	MP3C	Z	3.426	5.5
78	MP3C	Mx	.003	5.5
79	MP3A	X	2.963	.5
80	MP3A	Z	5.132	.5
81	MP3A	Mx	-.004	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
82	MP3A	X	2.963	5.5
83	MP3A	Z	5.132	5.5
84	MP3A	Mx	-.004	5.5
85	MP3B	X	2.963	.5
86	MP3B	Z	5.132	.5
87	MP3B	Mx	.002	.5
88	MP3B	X	2.963	5.5
89	MP3B	Z	5.132	5.5
90	MP3B	Mx	.002	5.5
91	MP3C	X	1.978	.5
92	MP3C	Z	3.426	.5
93	MP3C	Mx	.000559	.5
94	MP3C	X	1.978	5.5
95	MP3C	Z	3.426	5.5
96	MP3C	Mx	.000559	5.5
97	M61	X	.994	5.5
98	M61	Z	1.722	5.5
99	M61	Mx	-.000166	5.5
100	M61	X	.994	5.5
101	M61	Z	1.722	5.5
102	M61	Mx	.000166	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M97	X	0	1
2	M97	Z	7.951	1
3	M97	Mx	0	1
4	M95	X	0	1
5	M95	Z	7.951	1
6	M95	Mx	0	1
7	MP4A	X	0	2
8	MP4A	Z	4.916	2
9	MP4A	Mx	0	2
10	MP4A	X	0	4
11	MP4A	Z	4.916	4
12	MP4A	Mx	0	4
13	MP4B	X	0	2
14	MP4B	Z	2.499	2
15	MP4B	Mx	-.001	2
16	MP4B	X	0	4
17	MP4B	Z	2.499	4
18	MP4B	Mx	-.001	4
19	MP4C	X	0	2
20	MP4C	Z	1.693	2
21	MP4C	Mx	.000847	2
22	MP4C	X	0	4
23	MP4C	Z	1.693	4
24	MP4C	Mx	.000847	4
25	MP2A	X	0	1.5
26	MP2A	Z	3.888	1.5
27	MP2A	Mx	0	1.5
28	MP2B	X	0	1.5
29	MP2B	Z	2.928	1.5
30	MP2B	Mx	.001	1.5
31	MP2C	X	0	1.5
32	MP2C	Z	2.608	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
33	MP2C	Mx	-.001	1.5
34	MP3A	X	0	1.5
35	MP3A	Z	3.888	1.5
36	MP3A	Mx	0	1.5
37	MP3B	X	0	1.5
38	MP3B	Z	2.74	1.5
39	MP3B	Mx	.001	1.5
40	MP3C	X	0	1.5
41	MP3C	Z	2.358	1.5
42	MP3C	Mx	-.001	1.5
43	MP1B	X	0	.5
44	MP1B	Z	6.071	.5
45	MP1B	Mx	-.003	.5
46	MP1B	X	0	5.5
47	MP1B	Z	6.071	5.5
48	MP1B	Mx	-.003	5.5
49	MP1C	X	0	1.5
50	MP1C	Z	3.502	1.5
51	MP1C	Mx	.002	1.5
52	MP1C	X	0	4.5
53	MP1C	Z	3.502	4.5
54	MP1C	Mx	.002	4.5
55	MP1A	X	0	.5
56	MP1A	Z	7.223	.5
57	MP1A	Mx	0	.5
58	MP1A	X	0	5.5
59	MP1A	Z	7.223	5.5
60	MP1A	Mx	0	5.5
61	MP3A	X	0	.5
62	MP3A	Z	6.91	.5
63	MP3A	Mx	.004	.5
64	MP3A	X	0	5.5
65	MP3A	Z	6.91	5.5
66	MP3A	Mx	.004	5.5
67	MP3B	X	0	.5
68	MP3B	Z	3.957	.5
69	MP3B	Mx	-.003	.5
70	MP3B	X	0	5.5
71	MP3B	Z	3.957	5.5
72	MP3B	Mx	-.003	5.5
73	MP3C	X	0	.5
74	MP3C	Z	2.972	.5
75	MP3C	Mx	.001	.5
76	MP3C	X	0	5.5
77	MP3C	Z	2.972	5.5
78	MP3C	Mx	.001	5.5
79	MP3A	X	0	.5
80	MP3A	Z	6.91	.5
81	MP3A	Mx	-.004	.5
82	MP3A	X	0	5.5
83	MP3A	Z	6.91	5.5
84	MP3A	Mx	-.004	5.5
85	MP3B	X	0	.5
86	MP3B	Z	3.957	.5
87	MP3B	Mx	-.000559	.5
88	MP3B	X	0	5.5
89	MP3B	Z	3.957	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
90	MP3B	Mx	-.000559	5.5
91	MP3C	X	0	.5
92	MP3C	Z	2.972	.5
93	MP3C	Mx	.001	.5
94	MP3C	X	0	5.5
95	MP3C	Z	2.972	5.5
96	MP3C	Mx	.001	5.5
97	M61	X	0	5.5
98	M61	Z	2.408	5.5
99	M61	Mx	0	5.5
100	M61	X	0	5.5
101	M61	Z	2.408	5.5
102	M61	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-3.737	1
2	M97	Z	6.473	1
3	M97	Mx	0	1
4	M95	X	-3.737	1
5	M95	Z	6.473	1
6	M95	Mx	0	1
7	MP4A	X	-2.055	2
8	MP4A	Z	3.56	2
9	MP4A	Mx	.001	2
10	MP4A	X	-2.055	4
11	MP4A	Z	3.56	4
12	MP4A	Mx	.001	4
13	MP4B	X	-.846	2
14	MP4B	Z	1.466	2
15	MP4B	Mx	-.000846	2
16	MP4B	X	-.846	4
17	MP4B	Z	1.466	4
18	MP4B	Mx	-.000846	4
19	MP4C	X	-1.249	2
20	MP4C	Z	2.164	2
21	MP4C	Mx	.001	2
22	MP4C	X	-1.249	4
23	MP4C	Z	2.164	4
24	MP4C	Mx	.001	4
25	MP2A	X	-1.784	1.5
26	MP2A	Z	3.09	1.5
27	MP2A	Mx	-.000892	1.5
28	MP2B	X	-1.304	1.5
29	MP2B	Z	2.259	1.5
30	MP2B	Mx	.001	1.5
31	MP2C	X	-1.464	1.5
32	MP2C	Z	2.536	1.5
33	MP2C	Mx	-.001	1.5
34	MP3A	X	-1.753	1.5
35	MP3A	Z	3.035	1.5
36	MP3A	Mx	-.000876	1.5
37	MP3B	X	-1.179	1.5
38	MP3B	Z	2.042	1.5
39	MP3B	Mx	.001	1.5
40	MP3C	X	-1.37	1.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
41	MP3C	Z	2.373	1.5
42	MP3C	Mx	-.001	1.5
43	MP1B	X	-2.53	.5
44	MP1B	Z	4.382	.5
45	MP1B	Mx	-.003	.5
46	MP1B	X	-2.53	5.5
47	MP1B	Z	4.382	5.5
48	MP1B	Mx	-.003	5.5
49	MP1C	X	-1.871	1.5
50	MP1C	Z	3.241	1.5
51	MP1C	Mx	.002	1.5
52	MP1C	X	-1.871	4.5
53	MP1C	Z	3.241	4.5
54	MP1C	Mx	.002	4.5
55	MP1A	X	-3.424	.5
56	MP1A	Z	5.93	.5
57	MP1A	Mx	.002	.5
58	MP1A	X	-3.424	5.5
59	MP1A	Z	5.93	5.5
60	MP1A	Mx	.002	5.5
61	MP3A	X	-2.963	.5
62	MP3A	Z	5.132	.5
63	MP3A	Mx	.004	.5
64	MP3A	X	-2.963	5.5
65	MP3A	Z	5.132	5.5
66	MP3A	Mx	.004	5.5
67	MP3B	X	-1.486	.5
68	MP3B	Z	2.574	.5
69	MP3B	Mx	-.001	.5
70	MP3B	X	-1.486	5.5
71	MP3B	Z	2.574	5.5
72	MP3B	Mx	-.001	5.5
73	MP3C	X	-1.978	.5
74	MP3C	Z	3.426	.5
75	MP3C	Mx	.000559	.5
76	MP3C	X	-1.978	5.5
77	MP3C	Z	3.426	5.5
78	MP3C	Mx	.000559	5.5
79	MP3A	X	-2.963	.5
80	MP3A	Z	5.132	.5
81	MP3A	Mx	-.002	.5
82	MP3A	X	-2.963	5.5
83	MP3A	Z	5.132	5.5
84	MP3A	Mx	-.002	5.5
85	MP3B	X	-1.486	.5
86	MP3B	Z	2.574	.5
87	MP3B	Mx	-.001	.5
88	MP3B	X	-1.486	5.5
89	MP3B	Z	2.574	5.5
90	MP3B	Mx	-.001	5.5
91	MP3C	X	-1.978	.5
92	MP3C	Z	3.426	.5
93	MP3C	Mx	.003	.5
94	MP3C	X	-1.978	5.5
95	MP3C	Z	3.426	5.5
96	MP3C	Mx	.003	5.5
97	M61	X	-.994	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
98	M61	Z	1.722	5.5
99	M61	Mx	.000166	5.5
100	M61	X	-.994	5.5
101	M61	Z	1.722	5.5
102	M61	Mx	-.000166	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-5.647	1
2	M97	Z	3.261	1
3	M97	Mx	0	1
4	M95	X	-5.647	1
5	M95	Z	3.261	1
6	M95	Mx	0	1
7	MP4A	X	-2.164	2
8	MP4A	Z	1.249	2
9	MP4A	Mx	.001	2
10	MP4A	X	-2.164	4
11	MP4A	Z	1.249	4
12	MP4A	Mx	.001	4
13	MP4B	X	-2.164	2
14	MP4B	Z	1.249	2
15	MP4B	Mx	-.001	2
16	MP4B	X	-2.164	4
17	MP4B	Z	1.249	4
18	MP4B	Mx	-.001	4
19	MP4C	X	-3.56	2
20	MP4C	Z	2.055	2
21	MP4C	Mx	.001	2
22	MP4C	X	-3.56	4
23	MP4C	Z	2.055	4
24	MP4C	Mx	.001	4
25	MP2A	X	-2.536	1.5
26	MP2A	Z	1.464	1.5
27	MP2A	Mx	-.001	1.5
28	MP2B	X	-2.536	1.5
29	MP2B	Z	1.464	1.5
30	MP2B	Mx	.001	1.5
31	MP2C	X	-3.09	1.5
32	MP2C	Z	1.784	1.5
33	MP2C	Mx	-.000892	1.5
34	MP3A	X	-2.373	1.5
35	MP3A	Z	1.37	1.5
36	MP3A	Mx	-.001	1.5
37	MP3B	X	-2.373	1.5
38	MP3B	Z	1.37	1.5
39	MP3B	Mx	.001	1.5
40	MP3C	X	-3.035	1.5
41	MP3C	Z	1.753	1.5
42	MP3C	Mx	-.000876	1.5
43	MP1B	X	-5.258	.5
44	MP1B	Z	3.036	.5
45	MP1B	Mx	-.003	.5
46	MP1B	X	-5.258	5.5
47	MP1B	Z	3.036	5.5
48	MP1B	Mx	-.003	5.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
49	MP1C	X	-3.658	1.5
50	MP1C	Z	2.112	1.5
51	MP1C	Mx	.001	1.5
52	MP1C	X	-3.658	4.5
53	MP1C	Z	2.112	4.5
54	MP1C	Mx	.001	4.5
55	MP1A	X	-5.279	.5
56	MP1A	Z	3.048	.5
57	MP1A	Mx	.003	.5
58	MP1A	X	-5.279	5.5
59	MP1A	Z	3.048	5.5
60	MP1A	Mx	.003	5.5
61	MP3A	X	-3.426	.5
62	MP3A	Z	1.978	.5
63	MP3A	Mx	.003	.5
64	MP3A	X	-3.426	5.5
65	MP3A	Z	1.978	5.5
66	MP3A	Mx	.003	5.5
67	MP3B	X	-3.426	.5
68	MP3B	Z	1.978	.5
69	MP3B	Mx	-.000559	.5
70	MP3B	X	-3.426	5.5
71	MP3B	Z	1.978	5.5
72	MP3B	Mx	-.000559	5.5
73	MP3C	X	-5.132	.5
74	MP3C	Z	2.963	.5
75	MP3C	Mx	-.002	.5
76	MP3C	X	-5.132	5.5
77	MP3C	Z	2.963	5.5
78	MP3C	Mx	-.002	5.5
79	MP3A	X	-3.426	.5
80	MP3A	Z	1.978	.5
81	MP3A	Mx	.000559	.5
82	MP3A	X	-3.426	5.5
83	MP3A	Z	1.978	5.5
84	MP3A	Mx	.000559	5.5
85	MP3B	X	-3.426	.5
86	MP3B	Z	1.978	.5
87	MP3B	Mx	-.003	.5
88	MP3B	X	-3.426	5.5
89	MP3B	Z	1.978	5.5
90	MP3B	Mx	-.003	5.5
91	MP3C	X	-5.132	.5
92	MP3C	Z	2.963	.5
93	MP3C	Mx	.004	.5
94	MP3C	X	-5.132	5.5
95	MP3C	Z	2.963	5.5
96	MP3C	Mx	.004	5.5
97	M61	X	-.996	5.5
98	M61	Z	.575	5.5
99	M61	Mx	.000166	5.5
100	M61	X	-.996	5.5
101	M61	Z	.575	5.5
102	M61	Mx	-.000166	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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**Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	M97	X	-6.045	1
2	M97	Z	0	1
3	M97	Mx	0	1
4	M95	X	-6.045	1
5	M95	Z	0	1
6	M95	Mx	0	1
7	MP4A	X	-1.693	2
8	MP4A	Z	0	2
9	MP4A	Mx	.000847	2
10	MP4A	X	-1.693	4
11	MP4A	Z	0	4
12	MP4A	Mx	.000847	4
13	MP4B	X	-4.11	2
14	MP4B	Z	0	2
15	MP4B	Mx	-.001	2
16	MP4B	X	-4.11	4
17	MP4B	Z	0	4
18	MP4B	Mx	-.001	4
19	MP4C	X	-4.916	2
20	MP4C	Z	0	2
21	MP4C	Mx	0	2
22	MP4C	X	-4.916	4
23	MP4C	Z	0	4
24	MP4C	Mx	0	4
25	MP2A	X	-2.608	1.5
26	MP2A	Z	0	1.5
27	MP2A	Mx	-.001	1.5
28	MP2B	X	-3.568	1.5
29	MP2B	Z	0	1.5
30	MP2B	Mx	.000892	1.5
31	MP2C	X	-3.888	1.5
32	MP2C	Z	0	1.5
33	MP2C	Mx	0	1.5
34	MP3A	X	-2.358	1.5
35	MP3A	Z	0	1.5
36	MP3A	Mx	-.001	1.5
37	MP3B	X	-3.505	1.5
38	MP3B	Z	0	1.5
39	MP3B	Mx	.000876	1.5
40	MP3C	X	-3.888	1.5
41	MP3C	Z	0	1.5
42	MP3C	Mx	0	1.5
43	MP1B	X	-8.093	.5
44	MP1B	Z	0	.5
45	MP1B	Mx	-.002	.5
46	MP1B	X	-8.093	5.5
47	MP1B	Z	0	5.5
48	MP1B	Mx	-.002	5.5
49	MP1C	X	-4.464	1.5
50	MP1C	Z	0	1.5
51	MP1C	Mx	0	1.5
52	MP1C	X	-4.464	4.5
53	MP1C	Z	0	4.5
54	MP1C	Mx	0	4.5
55	MP1A	X	-5.719	.5
56	MP1A	Z	0	.5
57	MP1A	Mx	.003	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP1A	X	-5.719	5.5
59	MP1A	Z	0	5.5
60	MP1A	Mx	.003	5.5
61	MP3A	X	-2.972	.5
62	MP3A	Z	0	.5
63	MP3A	Mx	.001	.5
64	MP3A	X	-2.972	5.5
65	MP3A	Z	0	5.5
66	MP3A	Mx	.001	5.5
67	MP3B	X	-5.925	.5
68	MP3B	Z	0	.5
69	MP3B	Mx	.002	.5
70	MP3B	X	-5.925	5.5
71	MP3B	Z	0	5.5
72	MP3B	Mx	.002	5.5
73	MP3C	X	-6.91	.5
74	MP3C	Z	0	.5
75	MP3C	Mx	-.004	.5
76	MP3C	X	-6.91	5.5
77	MP3C	Z	0	5.5
78	MP3C	Mx	-.004	5.5
79	MP3A	X	-2.972	.5
80	MP3A	Z	0	.5
81	MP3A	Mx	.001	.5
82	MP3A	X	-2.972	5.5
83	MP3A	Z	0	5.5
84	MP3A	Mx	.001	5.5
85	MP3B	X	-5.925	.5
86	MP3B	Z	0	.5
87	MP3B	Mx	-.004	.5
88	MP3B	X	-5.925	5.5
89	MP3B	Z	0	5.5
90	MP3B	Mx	-.004	5.5
91	MP3C	X	-6.91	.5
92	MP3C	Z	0	.5
93	MP3C	Mx	.004	.5
94	MP3C	X	-6.91	5.5
95	MP3C	Z	0	5.5
96	MP3C	Mx	.004	5.5
97	M61	X	-.73	5.5
98	M61	Z	0	5.5
99	M61	Mx	.000122	5.5
100	M61	X	-.73	5.5
101	M61	Z	0	5.5
102	M61	Mx	-.000122	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-5.647	1
2	M97	Z	-3.261	1
3	M97	Mx	0	1
4	M95	X	-5.647	1
5	M95	Z	-3.261	1
6	M95	Mx	0	1
7	MP4A	X	-2.164	2
8	MP4A	Z	-1.249	2



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

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
66	MP3A	Mx	.000559	5.5
67	MP3B	X	-5.984	.5
68	MP3B	Z	-3.455	.5
69	MP3B	Mx	.004	.5
70	MP3B	X	-5.984	5.5
71	MP3B	Z	-3.455	5.5
72	MP3B	Mx	.004	5.5
73	MP3C	X	-5.132	.5
74	MP3C	Z	-2.963	.5
75	MP3C	Mx	-.004	.5
76	MP3C	X	-5.132	5.5
77	MP3C	Z	-2.963	5.5
78	MP3C	Mx	-.004	5.5
79	MP3A	X	-3.426	.5
80	MP3A	Z	-1.978	.5
81	MP3A	Mx	.003	.5
82	MP3A	X	-3.426	5.5
83	MP3A	Z	-1.978	5.5
84	MP3A	Mx	.003	5.5
85	MP3B	X	-5.984	.5
86	MP3B	Z	-3.455	.5
87	MP3B	Mx	-.004	.5
88	MP3B	X	-5.984	5.5
89	MP3B	Z	-3.455	5.5
90	MP3B	Mx	-.004	5.5
91	MP3C	X	-5.132	.5
92	MP3C	Z	-2.963	.5
93	MP3C	Mx	.002	.5
94	MP3C	X	-5.132	5.5
95	MP3C	Z	-2.963	5.5
96	MP3C	Mx	.002	5.5
97	M61	X	-.996	5.5
98	M61	Z	-.575	5.5
99	M61	Mx	.000166	5.5
100	M61	X	-.996	5.5
101	M61	Z	-.575	5.5
102	M61	Mx	-.000166	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	X	-3.737	1
2	M97	Z	-6.473	1
3	M97	Mx	0	1
4	M95	X	-3.737	1
5	M95	Z	-6.473	1
6	M95	Mx	0	1
7	MP4A	X	-2.055	2
8	MP4A	Z	-3.56	2
9	MP4A	Mx	.001	2
10	MP4A	X	-2.055	4
11	MP4A	Z	-3.56	4
12	MP4A	Mx	.001	4
13	MP4B	X	-2.055	2
14	MP4B	Z	-3.56	2
15	MP4B	Mx	.001	2
16	MP4B	X	-2.055	4



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
17	MP4B	Z	-3.56	4
18	MP4B	Mx	.001	4
19	MP4C	X	-1.249	2
20	MP4C	Z	-2.164	2
21	MP4C	Mx	-.001	2
22	MP4C	X	-1.249	4
23	MP4C	Z	-2.164	4
24	MP4C	Mx	-.001	4
25	MP2A	X	-1.784	1.5
26	MP2A	Z	-3.09	1.5
27	MP2A	Mx	-.000892	1.5
28	MP2B	X	-1.784	1.5
29	MP2B	Z	-3.09	1.5
30	MP2B	Mx	-.000892	1.5
31	MP2C	X	-1.464	1.5
32	MP2C	Z	-2.536	1.5
33	MP2C	Mx	.001	1.5
34	MP3A	X	-1.753	1.5
35	MP3A	Z	-3.035	1.5
36	MP3A	Mx	-.000876	1.5
37	MP3B	X	-1.753	1.5
38	MP3B	Z	-3.035	1.5
39	MP3B	Mx	-.000876	1.5
40	MP3C	X	-1.37	1.5
41	MP3C	Z	-2.373	1.5
42	MP3C	Mx	.001	1.5
43	MP1B	X	-4.047	.5
44	MP1B	Z	-7.009	.5
45	MP1B	Mx	.002	.5
46	MP1B	X	-4.047	5.5
47	MP1B	Z	-7.009	5.5
48	MP1B	Mx	.002	5.5
49	MP1C	X	-1.871	1.5
50	MP1C	Z	-3.241	1.5
51	MP1C	Mx	-.002	1.5
52	MP1C	X	-1.871	4.5
53	MP1C	Z	-3.241	4.5
54	MP1C	Mx	-.002	4.5
55	MP1A	X	-3.424	.5
56	MP1A	Z	-5.93	.5
57	MP1A	Mx	.002	.5
58	MP1A	X	-3.424	5.5
59	MP1A	Z	-5.93	5.5
60	MP1A	Mx	.002	5.5
61	MP3A	X	-2.963	.5
62	MP3A	Z	-5.132	.5
63	MP3A	Mx	-.002	.5
64	MP3A	X	-2.963	5.5
65	MP3A	Z	-5.132	5.5
66	MP3A	Mx	-.002	5.5
67	MP3B	X	-2.963	.5
68	MP3B	Z	-5.132	.5
69	MP3B	Mx	.004	.5
70	MP3B	X	-2.963	5.5
71	MP3B	Z	-5.132	5.5
72	MP3B	Mx	.004	5.5
73	MP3C	X	-1.978	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
74	MP3C	Z	-3.426	.5
75	MP3C	Mx	-.003	.5
76	MP3C	X	-1.978	5.5
77	MP3C	Z	-3.426	5.5
78	MP3C	Mx	-.003	5.5
79	MP3A	X	-2.963	.5
80	MP3A	Z	-5.132	.5
81	MP3A	Mx	.004	.5
82	MP3A	X	-2.963	5.5
83	MP3A	Z	-5.132	5.5
84	MP3A	Mx	.004	5.5
85	MP3B	X	-2.963	.5
86	MP3B	Z	-5.132	.5
87	MP3B	Mx	-.002	.5
88	MP3B	X	-2.963	5.5
89	MP3B	Z	-5.132	5.5
90	MP3B	Mx	-.002	5.5
91	MP3C	X	-1.978	.5
92	MP3C	Z	-3.426	.5
93	MP3C	Mx	-.000559	.5
94	MP3C	X	-1.978	5.5
95	MP3C	Z	-3.426	5.5
96	MP3C	Mx	-.000559	5.5
97	M61	X	-.994	5.5
98	M61	Z	-1.722	5.5
99	M61	Mx	.000166	5.5
100	M61	X	-.994	5.5
101	M61	Z	-1.722	5.5
102	M61	Mx	-.000166	5.5

**Member Point Loads (BLC 77 : Lm1)**

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

**Member Point Loads (BLC 78 : Lm2)**

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

**Member Point Loads (BLC 79 : Lv1)**

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

**Member Point Loads (BLC 80 : Lv2)**

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	Y	-1.242	1
2	M97	My	0	1
3	M97	Mz	0	1
4	M95	Y	-1.242	1
5	M95	My	0	1
6	M95	Mz	0	1



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
7	MP4A	Y	-1.691	2
8	MP4A	My	-.000845	2
9	MP4A	Mz	0	2
10	MP4A	Y	-1.691	4
11	MP4A	My	-.000845	4
12	MP4A	Mz	0	4
13	MP4B	Y	-1.691	2
14	MP4B	My	.000423	2
15	MP4B	Mz	-.000732	2
16	MP4B	Y	-1.691	4
17	MP4B	My	.000423	4
18	MP4B	Mz	-.000732	4
19	MP4C	Y	-1.691	2
20	MP4C	My	0	2
21	MP4C	Mz	.000845	2
22	MP4C	Y	-1.691	4
23	MP4C	My	0	4
24	MP4C	Mz	.000845	4
25	MP2A	Y	-2.9	1.5
26	MP2A	My	.001	1.5
27	MP2A	Mz	0	1.5
28	MP2B	Y	-2.9	1.5
29	MP2B	My	-.000725	1.5
30	MP2B	Mz	.001	1.5
31	MP2C	Y	-2.9	1.5
32	MP2C	My	0	1.5
33	MP2C	Mz	-.001	1.5
34	MP3A	Y	-2.73	1.5
35	MP3A	My	.001	1.5
36	MP3A	Mz	0	1.5
37	MP3B	Y	-2.73	1.5
38	MP3B	My	-.000682	1.5
39	MP3B	Mz	.001	1.5
40	MP3C	Y	-2.73	1.5
41	MP3C	My	0	1.5
42	MP3C	Mz	-.001	1.5
43	MP1B	Y	-.373	.5
44	MP1B	My	9.3e-5	.5
45	MP1B	Mz	-.000161	.5
46	MP1B	Y	-.373	5.5
47	MP1B	My	9.3e-5	5.5
48	MP1B	Mz	-.000161	5.5
49	MP1C	Y	-.233	1.5
50	MP1C	My	0	1.5
51	MP1C	Mz	.000116	1.5
52	MP1C	Y	-.233	4.5
53	MP1C	My	0	4.5
54	MP1C	Mz	.000116	4.5
55	MP1A	Y	-.349	.5
56	MP1A	My	-.000175	.5
57	MP1A	Mz	0	.5
58	MP1A	Y	-.349	5.5
59	MP1A	My	-.000175	5.5
60	MP1A	Mz	0	5.5
61	MP3A	Y	-.777	.5
62	MP3A	My	-.000388	.5
63	MP3A	Mz	.000453	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP3A	Y	-.777	5.5
65	MP3A	My	-.000388	5.5
66	MP3A	Mz	.000453	5.5
67	MP3B	Y	-.777	.5
68	MP3B	My	-.000198	.5
69	MP3B	Mz	-.000563	.5
70	MP3B	Y	-.777	5.5
71	MP3B	My	-.000198	5.5
72	MP3B	Mz	-.000563	5.5
73	MP3C	Y	-.777	.5
74	MP3C	My	.000453	.5
75	MP3C	Mz	.000388	.5
76	MP3C	Y	-.777	5.5
77	MP3C	My	.000453	5.5
78	MP3C	Mz	.000388	5.5
79	MP3A	Y	-.777	.5
80	MP3A	My	-.000388	.5
81	MP3A	Mz	-.000453	.5
82	MP3A	Y	-.777	5.5
83	MP3A	My	-.000388	5.5
84	MP3A	Mz	-.000453	5.5
85	MP3B	Y	-.777	.5
86	MP3B	My	.000586	.5
87	MP3B	Mz	-.00011	.5
88	MP3B	Y	-.777	5.5
89	MP3B	My	.000586	5.5
90	MP3B	Mz	-.00011	5.5
91	MP3C	Y	-.777	.5
92	MP3C	My	-.000453	.5
93	MP3C	Mz	.000388	.5
94	MP3C	Y	-.777	5.5
95	MP3C	My	-.000453	5.5
96	MP3C	Mz	.000388	5.5
97	M61	Y	-.683	5.5
98	M61	My	-.000114	5.5
99	M61	Mz	0	5.5
100	M61	Y	-.683	5.5
101	M61	My	.000114	5.5
102	M61	Mz	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M97	Z	-3.106	1
2	M97	Mx	0	1
3	M95	Z	-3.106	1
4	M95	Mx	0	1
5	MP4A	Z	-4.227	2
6	MP4A	Mx	0	2
7	MP4A	Z	-4.227	4
8	MP4A	Mx	0	4
9	MP4B	Z	-4.227	2
10	MP4B	Mx	.002	2
11	MP4B	Z	-4.227	4
12	MP4B	Mx	.002	4
13	MP4C	Z	-4.227	2
14	MP4C	Mx	-.002	2



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
15	MP4C	Z	-4.227	4
16	MP4C	Mx	-.002	4
17	MP2A	Z	-7.251	1.5
18	MP2A	Mx	0	1.5
19	MP2B	Z	-7.251	1.5
20	MP2B	Mx	-.003	1.5
21	MP2C	Z	-7.251	1.5
22	MP2C	Mx	.004	1.5
23	MP3A	Z	-6.824	1.5
24	MP3A	Mx	0	1.5
25	MP3B	Z	-6.824	1.5
26	MP3B	Mx	-.003	1.5
27	MP3C	Z	-6.824	1.5
28	MP3C	Mx	.003	1.5
29	MP1B	Z	-.932	.5
30	MP1B	Mx	.000403	.5
31	MP1B	Z	-.932	5.5
32	MP1B	Mx	.000403	5.5
33	MP1C	Z	-.582	1.5
34	MP1C	Mx	-.000291	1.5
35	MP1C	Z	-.582	4.5
36	MP1C	Mx	-.000291	4.5
37	MP1A	Z	-.874	.5
38	MP1A	Mx	0	.5
39	MP1A	Z	-.874	5.5
40	MP1A	Mx	0	5.5
41	MP3A	Z	-1.941	.5
42	MP3A	Mx	-.001	.5
43	MP3A	Z	-1.941	5.5
44	MP3A	Mx	-.001	5.5
45	MP3B	Z	-1.941	.5
46	MP3B	Mx	.001	.5
47	MP3B	Z	-1.941	5.5
48	MP3B	Mx	.001	5.5
49	MP3C	Z	-1.941	.5
50	MP3C	Mx	-.000971	.5
51	MP3C	Z	-1.941	5.5
52	MP3C	Mx	-.000971	5.5
53	MP3A	Z	-1.941	.5
54	MP3A	Mx	.001	.5
55	MP3A	Z	-1.941	5.5
56	MP3A	Mx	.001	5.5
57	MP3B	Z	-1.941	.5
58	MP3B	Mx	.000274	.5
59	MP3B	Z	-1.941	5.5
60	MP3B	Mx	.000274	5.5
61	MP3C	Z	-1.941	.5
62	MP3C	Mx	-.000971	.5
63	MP3C	Z	-1.941	5.5
64	MP3C	Mx	-.000971	5.5
65	M61	Z	-1.708	5.5
66	M61	Mx	0	5.5
67	M61	Z	-1.708	5.5
68	M61	Mx	0	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
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**Member Point Loads (BLC 83 : Antenna Eh (90 Deg)) (Continued)**

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
1	M97	X	3.106	1
2	M97	Mx	0	1
3	M95	X	3.106	1
4	M95	Mx	0	1
5	MP4A	X	4.227	2
6	MP4A	Mx	-.002	2
7	MP4A	X	4.227	4
8	MP4A	Mx	-.002	4
9	MP4B	X	4.227	2
10	MP4B	Mx	.001	2
11	MP4B	X	4.227	4
12	MP4B	Mx	.001	4
13	MP4C	X	4.227	2
14	MP4C	Mx	0	2
15	MP4C	X	4.227	4
16	MP4C	Mx	0	4
17	MP2A	X	7.251	1.5
18	MP2A	Mx	.004	1.5
19	MP2B	X	7.251	1.5
20	MP2B	Mx	-.002	1.5
21	MP2C	X	7.251	1.5
22	MP2C	Mx	0	1.5
23	MP3A	X	6.824	1.5
24	MP3A	Mx	.003	1.5
25	MP3B	X	6.824	1.5
26	MP3B	Mx	-.002	1.5
27	MP3C	X	6.824	1.5
28	MP3C	Mx	0	1.5
29	MP1B	X	.932	.5
30	MP1B	Mx	.000233	.5
31	MP1B	X	.932	5.5
32	MP1B	Mx	.000233	5.5
33	MP1C	X	.582	1.5
34	MP1C	Mx	0	1.5
35	MP1C	X	.582	4.5
36	MP1C	Mx	0	4.5
37	MP1A	X	.874	.5
38	MP1A	Mx	-.000437	.5
39	MP1A	X	.874	5.5
40	MP1A	Mx	-.000437	5.5
41	MP3A	X	1.941	.5
42	MP3A	Mx	-.000971	.5
43	MP3A	X	1.941	5.5
44	MP3A	Mx	-.000971	5.5
45	MP3B	X	1.941	.5
46	MP3B	Mx	-.000495	.5
47	MP3B	X	1.941	5.5
48	MP3B	Mx	-.000495	5.5
49	MP3C	X	1.941	.5
50	MP3C	Mx	.001	.5
51	MP3C	X	1.941	5.5
52	MP3C	Mx	.001	5.5
53	MP3A	X	1.941	.5
54	MP3A	Mx	-.000971	.5
55	MP3A	X	1.941	5.5
56	MP3A	Mx	-.000971	5.5
57	MP3B	X	1.941	.5



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP3B	Mx	.001	.5
59	MP3B	X	1.941	5.5
60	MP3B	Mx	.001	5.5
61	MP3C	X	1.941	.5
62	MP3C	Mx	-.001	.5
63	MP3C	X	1.941	5.5
64	MP3C	Mx	-.001	5.5
65	M61	X	1.708	5.5
66	M61	Mx	-.000285	5.5
67	M61	X	1.708	5.5
68	M61	Mx	.000285	5.5

**Joint Loads and Enforced Displacements**

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

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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
37	M84	Y	-12.194	-12.194	0	%100
38	M86	Y	-17.353	-17.353	0	%100
39	M88	Y	-17.353	-17.353	0	%100
40	M90	Y	-17.353	-17.353	0	%100
41	MP4C	Y	-8.351	-8.351	0	%100
42	M95	Y	-8.351	-8.351	0	%100
43	M97	Y	-8.351	-8.351	0	%100
44	M99	Y	-8.351	-8.351	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-20.065	-20.065	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-12.662	-12.662	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-20.065	-20.065	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-12.662	-12.662	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-5.016	-5.016	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-5.2e-5	-5.2e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-5.016	-5.016	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-12.61	-12.61	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-8.576	-8.576	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-11.154	-11.154	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-5.016	-5.016	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-12.61	-12.61	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-5.016	-5.016	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-5.2e-5	-5.2e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-8.576	-8.576	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-11.154	-11.154	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-9.531	-9.531	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-9.531	-9.531	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-9.531	-9.531	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-9.531	-9.531	0	%100
45	MP1C	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
46	MP1C	Z	-9.531	-9.531	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-9.531	-9.531	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	-9.531	-9.531	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	-9.531	-9.531	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-9.531	-9.531	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	-9.531	-9.531	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	-9.531	-9.531	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-9.531	-9.531	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-9.531	-9.531	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-11.537	-11.537	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-2.884	-2.884	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	-2.884	-2.884	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	-3.655	-3.655	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	-3.655	-3.655	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	-14.618	-14.618	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	-4.133	-4.133	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	-16.082	-16.082	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-16.082	-16.082	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-9.531	-9.531	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	-8.685	-8.685	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	-8.685	-8.685	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	-8.685	-8.685	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	7.524	7.524	0	%100
2	M1	Z	-13.033	-13.033	0	%100
3	M2	X	8.424	8.424	0	%100
4	M2	Z	-14.591	-14.591	0	%100
5	M3	X	7.524	7.524	0	%100
6	M3	Z	-13.033	-13.033	0	%100
7	M4	X	2.119	2.119	0	%100
8	M4	Z	-3.67	-3.67	0	%100
9	M5	X	1.429	1.429	0	%100
10	M5	Z	-2.476	-2.476	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
11	M8	X	1.859	1.859	0	%100
12	M8	Z	-3.22	-3.22	0	%100
13	M9	X	7.524	7.524	0	%100
14	M9	Z	-13.033	-13.033	0	%100
15	M10	X	2.119	2.119	0	%100
16	M10	Z	-3.67	-3.67	0	%100
17	M11	X	7.524	7.524	0	%100
18	M11	Z	-13.033	-13.033	0	%100
19	M12	X	8.424	8.424	0	%100
20	M12	Z	-14.591	-14.591	0	%100
21	M13	X	1.429	1.429	0	%100
22	M13	Z	-2.476	-2.476	0	%100
23	M16	X	1.859	1.859	0	%100
24	M16	Z	-3.22	-3.22	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	2.093	2.093	0	%100
28	M18	Z	-3.625	-3.625	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	2.093	2.093	0	%100
32	M20	Z	-3.625	-3.625	0	%100
33	M21	X	5.718	5.718	0	%100
34	M21	Z	-9.903	-9.903	0	%100
35	M24	X	7.436	7.436	0	%100
36	M24	Z	-12.88	-12.88	0	%100
37	MP1A	X	4.765	4.765	0	%100
38	MP1A	Z	-8.254	-8.254	0	%100
39	MP2A	X	4.765	4.765	0	%100
40	MP2A	Z	-8.254	-8.254	0	%100
41	MP3A	X	4.765	4.765	0	%100
42	MP3A	Z	-8.254	-8.254	0	%100
43	MP4A	X	4.765	4.765	0	%100
44	MP4A	Z	-8.254	-8.254	0	%100
45	MP1C	X	4.765	4.765	0	%100
46	MP1C	Z	-8.254	-8.254	0	%100
47	MP2C	X	4.765	4.765	0	%100
48	MP2C	Z	-8.254	-8.254	0	%100
49	MP3CA	X	4.765	4.765	0	%100
50	MP3CA	Z	-8.254	-8.254	0	%100
51	MP4CA	X	4.765	4.765	0	%100
52	MP4CA	Z	-8.254	-8.254	0	%100
53	MP1B	X	4.765	4.765	0	%100
54	MP1B	Z	-8.254	-8.254	0	%100
55	MP2B	X	4.765	4.765	0	%100
56	MP2B	Z	-8.254	-8.254	0	%100
57	MP3B	X	4.765	4.765	0	%100
58	MP3B	Z	-8.254	-8.254	0	%100
59	MP4B	X	4.765	4.765	0	%100
60	MP4B	Z	-8.254	-8.254	0	%100
61	MP3C	X	4.765	4.765	0	%100
62	MP3C	Z	-8.254	-8.254	0	%100
63	M61	X	4.326	4.326	0	%100
64	M61	Z	-7.494	-7.494	0	%100
65	M66	X	4.326	4.326	0	%100
66	M66	Z	-7.494	-7.494	0	%100
67	M71	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
68	M71	Z	0	0	0	%100
69	M82	X	5.482	5.482	0	%100
70	M82	Z	-9.495	-9.495	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	5.482	5.482	0	%100
74	M84	Z	-9.495	-9.495	0	%100
75	M86	X	4.058	4.058	0	%100
76	M86	Z	-7.029	-7.029	0	%100
77	M88	X	4.058	4.058	0	%100
78	M88	Z	-7.029	-7.029	0	%100
79	M90	X	10.032	10.032	0	%100
80	M90	Z	-17.377	-17.377	0	%100
81	MP4C	X	4.765	4.765	0	%100
82	MP4C	Z	-8.254	-8.254	0	%100
83	M95	X	4.343	4.343	0	%100
84	M95	Z	-7.522	-7.522	0	%100
85	M97	X	4.343	4.343	0	%100
86	M97	Z	-7.522	-7.522	0	%100
87	M99	X	4.343	4.343	0	%100
88	M99	Z	-7.522	-7.522	0	%100

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

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



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%,]	End Location[ft.%,]
33	M21	X	7.427	7.427	0	%100
34	M21	Z	-4.288	-4.288	0	%100
35	M24	X	9.66	9.66	0	%100
36	M24	Z	-5.577	-5.577	0	%100
37	MP1A	X	8.254	8.254	0	%100
38	MP1A	Z	-4.765	-4.765	0	%100
39	MP2A	X	8.254	8.254	0	%100
40	MP2A	Z	-4.765	-4.765	0	%100
41	MP3A	X	8.254	8.254	0	%100
42	MP3A	Z	-4.765	-4.765	0	%100
43	MP4A	X	8.254	8.254	0	%100
44	MP4A	Z	-4.765	-4.765	0	%100
45	MP1C	X	8.254	8.254	0	%100
46	MP1C	Z	-4.765	-4.765	0	%100
47	MP2C	X	8.254	8.254	0	%100
48	MP2C	Z	-4.765	-4.765	0	%100
49	MP3CA	X	8.254	8.254	0	%100
50	MP3CA	Z	-4.765	-4.765	0	%100
51	MP4CA	X	8.254	8.254	0	%100
52	MP4CA	Z	-4.765	-4.765	0	%100
53	MP1B	X	8.254	8.254	0	%100
54	MP1B	Z	-4.765	-4.765	0	%100
55	MP2B	X	8.254	8.254	0	%100
56	MP2B	Z	-4.765	-4.765	0	%100
57	MP3B	X	8.254	8.254	0	%100
58	MP3B	Z	-4.765	-4.765	0	%100
59	MP4B	X	8.254	8.254	0	%100
60	MP4B	Z	-4.765	-4.765	0	%100
61	MP3C	X	8.254	8.254	0	%100
62	MP3C	Z	-4.765	-4.765	0	%100
63	M61	X	2.498	2.498	0	%100
64	M61	Z	-1.442	-1.442	0	%100
65	M66	X	9.992	9.992	0	%100
66	M66	Z	-5.769	-5.769	0	%100
67	M71	X	2.498	2.498	0	%100
68	M71	Z	-1.442	-1.442	0	%100
69	M82	X	12.66	12.66	0	%100
70	M82	Z	-7.309	-7.309	0	%100
71	M83	X	3.165	3.165	0	%100
72	M83	Z	-1.827	-1.827	0	%100
73	M84	X	3.165	3.165	0	%100
74	M84	Z	-1.827	-1.827	0	%100
75	M86	X	13.927	13.927	0	%100
76	M86	Z	-8.041	-8.041	0	%100
77	M88	X	3.58	3.58	0	%100
78	M88	Z	-2.067	-2.067	0	%100
79	M90	X	13.927	13.927	0	%100
80	M90	Z	-8.041	-8.041	0	%100
81	MP4C	X	8.254	8.254	0	%100
82	MP4C	Z	-4.765	-4.765	0	%100
83	M95	X	7.522	7.522	0	%100
84	M95	Z	-4.343	-4.343	0	%100
85	M97	X	7.522	7.522	0	%100
86	M97	Z	-4.343	-4.343	0	%100
87	M99	X	7.522	7.522	0	%100
88	M99	Z	-4.343	-4.343	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.186	4.186	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	4.186	4.186	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	11.435	11.435	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	14.872	14.872	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	15.049	15.049	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	16.848	16.848	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	15.049	15.049	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	4.238	4.238	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	2.859	2.859	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	3.718	3.718	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	15.049	15.049	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	4.238	4.238	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	15.049	15.049	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	16.848	16.848	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	2.859	2.859	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	3.718	3.718	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	9.531	9.531	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	9.531	9.531	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	9.531	9.531	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	9.531	9.531	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	9.531	9.531	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	9.531	9.531	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	9.531	9.531	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	9.531	9.531	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	9.531	9.531	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	9.531	9.531	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	9.531	9.531	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
58	MP3B	Z	0	0	0	%100
59	MP4B	X	9.531	9.531	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	9.531	9.531	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	8.653	8.653	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	8.653	8.653	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	10.964	10.964	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	10.964	10.964	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	20.065	20.065	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	8.116	8.116	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	8.116	8.116	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	9.531	9.531	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	8.685	8.685	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	8.685	8.685	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	8.685	8.685	0	%100
88	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	4.344	4.344	0	%100
2	M1	Z	2.508	2.508	0	%100
3	M2	X	4.5e-5	4.5e-5	0	%100
4	M2	Z	2.6e-5	2.6e-5	0	%100
5	M3	X	4.344	4.344	0	%100
6	M3	Z	2.508	2.508	0	%100
7	M4	X	10.921	10.921	0	%100
8	M4	Z	6.305	6.305	0	%100
9	M5	X	7.427	7.427	0	%100
10	M5	Z	4.288	4.288	0	%100
11	M8	X	9.66	9.66	0	%100
12	M8	Z	5.577	5.577	0	%100
13	M9	X	4.344	4.344	0	%100
14	M9	Z	2.508	2.508	0	%100
15	M10	X	10.921	10.921	0	%100
16	M10	Z	6.305	6.305	0	%100
17	M11	X	4.344	4.344	0	%100
18	M11	Z	2.508	2.508	0	%100
19	M12	X	4.5e-5	4.5e-5	0	%100
20	M12	Z	2.6e-5	2.6e-5	0	%100
21	M13	X	7.427	7.427	0	%100
22	M13	Z	4.288	4.288	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M16	X	9.66	9.66	0	%100
24	M16	Z	5.577	5.577	0	%100
25	M17	X	17.377	17.377	0	%100
26	M17	Z	10.032	10.032	0	%100
27	M18	X	10.965	10.965	0	%100
28	M18	Z	6.331	6.331	0	%100
29	M19	X	17.377	17.377	0	%100
30	M19	Z	10.032	10.032	0	%100
31	M20	X	10.965	10.965	0	%100
32	M20	Z	6.331	6.331	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	8.254	8.254	0	%100
38	MP1A	Z	4.765	4.765	0	%100
39	MP2A	X	8.254	8.254	0	%100
40	MP2A	Z	4.765	4.765	0	%100
41	MP3A	X	8.254	8.254	0	%100
42	MP3A	Z	4.765	4.765	0	%100
43	MP4A	X	8.254	8.254	0	%100
44	MP4A	Z	4.765	4.765	0	%100
45	MP1C	X	8.254	8.254	0	%100
46	MP1C	Z	4.765	4.765	0	%100
47	MP2C	X	8.254	8.254	0	%100
48	MP2C	Z	4.765	4.765	0	%100
49	MP3CA	X	8.254	8.254	0	%100
50	MP3CA	Z	4.765	4.765	0	%100
51	MP4CA	X	8.254	8.254	0	%100
52	MP4CA	Z	4.765	4.765	0	%100
53	MP1B	X	8.254	8.254	0	%100
54	MP1B	Z	4.765	4.765	0	%100
55	MP2B	X	8.254	8.254	0	%100
56	MP2B	Z	4.765	4.765	0	%100
57	MP3B	X	8.254	8.254	0	%100
58	MP3B	Z	4.765	4.765	0	%100
59	MP4B	X	8.254	8.254	0	%100
60	MP4B	Z	4.765	4.765	0	%100
61	MP3C	X	8.254	8.254	0	%100
62	MP3C	Z	4.765	4.765	0	%100
63	M61	X	2.498	2.498	0	%100
64	M61	Z	1.442	1.442	0	%100
65	M66	X	2.498	2.498	0	%100
66	M66	Z	1.442	1.442	0	%100
67	M71	X	9.992	9.992	0	%100
68	M71	Z	5.769	5.769	0	%100
69	M82	X	3.165	3.165	0	%100
70	M82	Z	1.827	1.827	0	%100
71	M83	X	12.66	12.66	0	%100
72	M83	Z	7.309	7.309	0	%100
73	M84	X	3.165	3.165	0	%100
74	M84	Z	1.827	1.827	0	%100
75	M86	X	13.927	13.927	0	%100
76	M86	Z	8.041	8.041	0	%100
77	M88	X	13.927	13.927	0	%100
78	M88	Z	8.041	8.041	0	%100
79	M90	X	3.58	3.58	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
80	M90	Z	2.067	2.067	0	%100
81	MP4C	X	8.254	8.254	0	%100
82	MP4C	Z	4.765	4.765	0	%100
83	M95	X	7.522	7.522	0	%100
84	M95	Z	4.343	4.343	0	%100
85	M97	X	7.522	7.522	0	%100
86	M97	Z	4.343	4.343	0	%100
87	M99	X	7.522	7.522	0	%100
88	M99	Z	4.343	4.343	0	%100

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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	20.065	20.065	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	12.662	12.662	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	20.065	20.065	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	12.662	12.662	0	%100
9	M5	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	5.016	5.016	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	5.2e-5	5.2e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	5.016	5.016	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	12.61	12.61	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	8.576	8.576	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	11.154	11.154	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	5.016	5.016	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	12.61	12.61	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	5.016	5.016	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	5.2e-5	5.2e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	8.576	8.576	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	11.154	11.154	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	9.531	9.531	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	9.531	9.531	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	9.531	9.531	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	9.531	9.531	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	9.531	9.531	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	9.531	9.531	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	9.531	9.531	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	9.531	9.531	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	9.531	9.531	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	9.531	9.531	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	9.531	9.531	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	9.531	9.531	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	9.531	9.531	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	11.537	11.537	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	2.884	2.884	0	%100



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-7.524	-7.524	0	%100
2	M1	Z	13.033	13.033	0	%100
3	M2	X	-8.424	-8.424	0	%100
4	M2	Z	14.591	14.591	0	%100
5	M3	X	-7.524	-7.524	0	%100
6	M3	Z	13.033	13.033	0	%100
7	M4	X	-2.119	-2.119	0	%100
8	M4	Z	3.67	3.67	0	%100
9	M5	X	-1.429	-1.429	0	%100
10	M5	Z	2.476	2.476	0	%100
11	M8	X	-1.859	-1.859	0	%100
12	M8	Z	3.22	3.22	0	%100
13	M9	X	-7.524	-7.524	0	%100
14	M9	Z	13.033	13.033	0	%100
15	M10	X	-2.119	-2.119	0	%100
16	M10	Z	3.67	3.67	0	%100
17	M11	X	-7.524	-7.524	0	%100
18	M11	Z	13.033	13.033	0	%100
19	M12	X	-8.424	-8.424	0	%100
20	M12	Z	14.591	14.591	0	%100
21	M13	X	-1.429	-1.429	0	%100
22	M13	Z	2.476	2.476	0	%100
23	M16	X	-1.859	-1.859	0	%100
24	M16	Z	3.22	3.22	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-2.093	-2.093	0	%100
28	M18	Z	3.625	3.625	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-2.093	-2.093	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
32	M20	Z	3.625	3.625	0	%100
33	M21	X	-5.718	-5.718	0	%100
34	M21	Z	9.903	9.903	0	%100
35	M24	X	-7.436	-7.436	0	%100
36	M24	Z	12.88	12.88	0	%100
37	MP1A	X	-4.765	-4.765	0	%100
38	MP1A	Z	8.254	8.254	0	%100
39	MP2A	X	-4.765	-4.765	0	%100
40	MP2A	Z	8.254	8.254	0	%100
41	MP3A	X	-4.765	-4.765	0	%100
42	MP3A	Z	8.254	8.254	0	%100
43	MP4A	X	-4.765	-4.765	0	%100
44	MP4A	Z	8.254	8.254	0	%100
45	MP1C	X	-4.765	-4.765	0	%100
46	MP1C	Z	8.254	8.254	0	%100
47	MP2C	X	-4.765	-4.765	0	%100
48	MP2C	Z	8.254	8.254	0	%100
49	MP3CA	X	-4.765	-4.765	0	%100
50	MP3CA	Z	8.254	8.254	0	%100
51	MP4CA	X	-4.765	-4.765	0	%100
52	MP4CA	Z	8.254	8.254	0	%100
53	MP1B	X	-4.765	-4.765	0	%100
54	MP1B	Z	8.254	8.254	0	%100
55	MP2B	X	-4.765	-4.765	0	%100
56	MP2B	Z	8.254	8.254	0	%100
57	MP3B	X	-4.765	-4.765	0	%100
58	MP3B	Z	8.254	8.254	0	%100
59	MP4B	X	-4.765	-4.765	0	%100
60	MP4B	Z	8.254	8.254	0	%100
61	MP3C	X	-4.765	-4.765	0	%100
62	MP3C	Z	8.254	8.254	0	%100
63	M61	X	-4.326	-4.326	0	%100
64	M61	Z	7.494	7.494	0	%100
65	M66	X	-4.326	-4.326	0	%100
66	M66	Z	7.494	7.494	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-5.482	-5.482	0	%100
70	M82	Z	9.495	9.495	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	-5.482	-5.482	0	%100
74	M84	Z	9.495	9.495	0	%100
75	M86	X	-4.058	-4.058	0	%100
76	M86	Z	7.029	7.029	0	%100
77	M88	X	-4.058	-4.058	0	%100
78	M88	Z	7.029	7.029	0	%100
79	M90	X	-10.032	-10.032	0	%100
80	M90	Z	17.377	17.377	0	%100
81	MP4C	X	-4.765	-4.765	0	%100
82	MP4C	Z	8.254	8.254	0	%100
83	M95	X	-4.343	-4.343	0	%100
84	M95	Z	7.522	7.522	0	%100
85	M97	X	-4.343	-4.343	0	%100
86	M97	Z	7.522	7.522	0	%100
87	M99	X	-4.343	-4.343	0	%100
88	M99	Z	7.522	7.522	0	%100



Company :  
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 Model Name :

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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.186	-4.186	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-4.186	-4.186	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-11.435	-11.435	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-14.872	-14.872	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-15.049	-15.049	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-16.848	-16.848	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-15.049	-15.049	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-4.238	-4.238	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-2.859	-2.859	0	%100
22	M13	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M16	X	-3.718	-3.718	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-15.049	-15.049	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-4.238	-4.238	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-15.049	-15.049	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-16.848	-16.848	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-2.859	-2.859	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-3.718	-3.718	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-9.531	-9.531	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-9.531	-9.531	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-9.531	-9.531	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-9.531	-9.531	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	-9.531	-9.531	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-9.531	-9.531	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	-9.531	-9.531	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	-9.531	-9.531	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	-9.531	-9.531	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	-9.531	-9.531	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	-9.531	-9.531	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	-9.531	-9.531	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	-9.531	-9.531	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	-8.653	-8.653	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-8.653	-8.653	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-10.964	-10.964	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-10.964	-10.964	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	-20.065	-20.065	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	-8.116	-8.116	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	-8.116	-8.116	0	%100



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

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

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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-7.524	-7.524	0	%100
2	M1	Z	-13.033	-13.033	0	%100
3	M2	X	-2.119	-2.119	0	%100
4	M2	Z	-3.67	-3.67	0	%100
5	M3	X	-7.524	-7.524	0	%100
6	M3	Z	-13.033	-13.033	0	%100
7	M4	X	-8.424	-8.424	0	%100
8	M4	Z	-14.591	-14.591	0	%100
9	M5	X	-1.429	-1.429	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
10	M5	Z	-2.476	-2.476	0	%100
11	M8	X	-1.859	-1.859	0	%100
12	M8	Z	-3.22	-3.22	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-2.093	-2.093	0	%100
16	M10	Z	-3.625	-3.625	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-2.093	-2.093	0	%100
20	M12	Z	-3.625	-3.625	0	%100
21	M13	X	-5.718	-5.718	0	%100
22	M13	Z	-9.903	-9.903	0	%100
23	M16	X	-7.436	-7.436	0	%100
24	M16	Z	-12.88	-12.88	0	%100
25	M17	X	-7.524	-7.524	0	%100
26	M17	Z	-13.033	-13.033	0	%100
27	M18	X	-8.424	-8.424	0	%100
28	M18	Z	-14.591	-14.591	0	%100
29	M19	X	-7.524	-7.524	0	%100
30	M19	Z	-13.033	-13.033	0	%100
31	M20	X	-2.119	-2.119	0	%100
32	M20	Z	-3.67	-3.67	0	%100
33	M21	X	-1.429	-1.429	0	%100
34	M21	Z	-2.476	-2.476	0	%100
35	M24	X	-1.859	-1.859	0	%100
36	M24	Z	-3.22	-3.22	0	%100
37	MP1A	X	-4.765	-4.765	0	%100
38	MP1A	Z	-8.254	-8.254	0	%100
39	MP2A	X	-4.765	-4.765	0	%100
40	MP2A	Z	-8.254	-8.254	0	%100
41	MP3A	X	-4.765	-4.765	0	%100
42	MP3A	Z	-8.254	-8.254	0	%100
43	MP4A	X	-4.765	-4.765	0	%100
44	MP4A	Z	-8.254	-8.254	0	%100
45	MP1C	X	-4.765	-4.765	0	%100
46	MP1C	Z	-8.254	-8.254	0	%100
47	MP2C	X	-4.765	-4.765	0	%100
48	MP2C	Z	-8.254	-8.254	0	%100
49	MP3CA	X	-4.765	-4.765	0	%100
50	MP3CA	Z	-8.254	-8.254	0	%100
51	MP4CA	X	-4.765	-4.765	0	%100
52	MP4CA	Z	-8.254	-8.254	0	%100
53	MP1B	X	-4.765	-4.765	0	%100
54	MP1B	Z	-8.254	-8.254	0	%100
55	MP2B	X	-4.765	-4.765	0	%100
56	MP2B	Z	-8.254	-8.254	0	%100
57	MP3B	X	-4.765	-4.765	0	%100
58	MP3B	Z	-8.254	-8.254	0	%100
59	MP4B	X	-4.765	-4.765	0	%100
60	MP4B	Z	-8.254	-8.254	0	%100
61	MP3C	X	-4.765	-4.765	0	%100
62	MP3C	Z	-8.254	-8.254	0	%100
63	M61	X	-4.326	-4.326	0	%100
64	M61	Z	-7.494	-7.494	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
67	M71	X	-4.326	-4.326	0	%100
68	M71	Z	-7.494	-7.494	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-5.482	-5.482	0	%100
72	M83	Z	-9.495	-9.495	0	%100
73	M84	X	-5.482	-5.482	0	%100
74	M84	Z	-9.495	-9.495	0	%100
75	M86	X	-4.058	-4.058	0	%100
76	M86	Z	-7.029	-7.029	0	%100
77	M88	X	-10.032	-10.032	0	%100
78	M88	Z	-17.377	-17.377	0	%100
79	M90	X	-4.058	-4.058	0	%100
80	M90	Z	-7.029	-7.029	0	%100
81	MP4C	X	-4.765	-4.765	0	%100
82	MP4C	Z	-8.254	-8.254	0	%100
83	M95	X	-4.343	-4.343	0	%100
84	M95	Z	-7.522	-7.522	0	%100
85	M97	X	-4.343	-4.343	0	%100
86	M97	Z	-7.522	-7.522	0	%100
87	M99	X	-4.343	-4.343	0	%100
88	M99	Z	-7.522	-7.522	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-5.83	-5.83	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-3.593	-3.593	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-5.83	-5.83	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-3.593	-3.593	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-1.458	-1.458	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-1.5e-5	-1.5e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-1.458	-1.458	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-3.578	-3.578	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-2.548	-2.548	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-3.104	-3.104	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-1.458	-1.458	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-3.578	-3.578	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-1.458	-1.458	0	%100
31	M20	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
32	M20	Z	-1.5e-5	-1.5e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-2.548	-2.548	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-3.104	-3.104	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-3.844	-3.844	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-3.844	-3.844	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-3.844	-3.844	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-3.844	-3.844	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-3.844	-3.844	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-3.844	-3.844	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	-3.844	-3.844	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	-3.844	-3.844	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-3.844	-3.844	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	-3.844	-3.844	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	-3.844	-3.844	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-3.844	-3.844	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-3.844	-3.844	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-4.35	-4.35	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-1.087	-1.087	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	-1.087	-1.087	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	-1.034	-1.034	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	-1.034	-1.034	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	-4.135	-4.135	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	-0.983	-0.983	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	-4.533	-4.533	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-4.533	-4.533	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-3.844	-3.844	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	-3.387	-3.387	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	-3.387	-3.387	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	-3.387	-3.387	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.186	2.186	0	%100
2	M1	Z	-3.787	-3.787	0	%100
3	M2	X	2.39	2.39	0	%100
4	M2	Z	-4.14	-4.14	0	%100
5	M3	X	2.186	2.186	0	%100
6	M3	Z	-3.787	-3.787	0	%100
7	M4	X	.601	.601	0	%100
8	M4	Z	-1.041	-1.041	0	%100
9	M5	X	.425	.425	0	%100
10	M5	Z	-.735	-.735	0	%100
11	M8	X	.517	.517	0	%100
12	M8	Z	-.896	-.896	0	%100
13	M9	X	2.186	2.186	0	%100
14	M9	Z	-3.787	-3.787	0	%100
15	M10	X	.601	.601	0	%100
16	M10	Z	-1.041	-1.041	0	%100
17	M11	X	2.186	2.186	0	%100
18	M11	Z	-3.787	-3.787	0	%100
19	M12	X	2.39	2.39	0	%100
20	M12	Z	-4.14	-4.14	0	%100
21	M13	X	.425	.425	0	%100
22	M13	Z	-.735	-.735	0	%100
23	M16	X	.517	.517	0	%100
24	M16	Z	-.896	-.896	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.594	.594	0	%100
28	M18	Z	-1.029	-1.029	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.594	.594	0	%100
32	M20	Z	-1.029	-1.029	0	%100
33	M21	X	1.699	1.699	0	%100
34	M21	Z	-2.942	-2.942	0	%100
35	M24	X	2.069	2.069	0	%100
36	M24	Z	-3.584	-3.584	0	%100
37	MP1A	X	1.922	1.922	0	%100
38	MP1A	Z	-3.329	-3.329	0	%100
39	MP2A	X	1.922	1.922	0	%100
40	MP2A	Z	-3.329	-3.329	0	%100
41	MP3A	X	1.922	1.922	0	%100
42	MP3A	Z	-3.329	-3.329	0	%100
43	MP4A	X	1.922	1.922	0	%100
44	MP4A	Z	-3.329	-3.329	0	%100
45	MP1C	X	1.922	1.922	0	%100
46	MP1C	Z	-3.329	-3.329	0	%100
47	MP2C	X	1.922	1.922	0	%100
48	MP2C	Z	-3.329	-3.329	0	%100
49	MP3CA	X	1.922	1.922	0	%100
50	MP3CA	Z	-3.329	-3.329	0	%100
51	MP4CA	X	1.922	1.922	0	%100
52	MP4CA	Z	-3.329	-3.329	0	%100
53	MP1B	X	1.922	1.922	0	%100
54	MP1B	Z	-3.329	-3.329	0	%100
55	MP2B	X	1.922	1.922	0	%100
56	MP2B	Z	-3.329	-3.329	0	%100
57	MP3B	X	1.922	1.922	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
58	MP3B	Z	-3.329	-3.329	0	%100
59	MP4B	X	1.922	1.922	0	%100
60	MP4B	Z	-3.329	-3.329	0	%100
61	MP3C	X	1.922	1.922	0	%100
62	MP3C	Z	-3.329	-3.329	0	%100
63	M61	X	1.631	1.631	0	%100
64	M61	Z	-2.825	-2.825	0	%100
65	M66	X	1.631	1.631	0	%100
66	M66	Z	-2.825	-2.825	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	1.551	1.551	0	%100
70	M82	Z	-2.686	-2.686	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	1.551	1.551	0	%100
74	M84	Z	-2.686	-2.686	0	%100
75	M86	X	1.083	1.083	0	%100
76	M86	Z	-1.876	-1.876	0	%100
77	M88	X	1.083	1.083	0	%100
78	M88	Z	-1.876	-1.876	0	%100
79	M90	X	2.858	2.858	0	%100
80	M90	Z	-4.95	-4.95	0	%100
81	MP4C	X	1.922	1.922	0	%100
82	MP4C	Z	-3.329	-3.329	0	%100
83	M95	X	1.694	1.694	0	%100
84	M95	Z	-2.934	-2.934	0	%100
85	M97	X	1.694	1.694	0	%100
86	M97	Z	-2.934	-2.934	0	%100
87	M99	X	1.694	1.694	0	%100
88	M99	Z	-2.934	-2.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.262	1.262	0	%100
2	M1	Z	-729	-729	0	%100
3	M2	X	3.099	3.099	0	%100
4	M2	Z	-1.789	-1.789	0	%100
5	M3	X	1.262	1.262	0	%100
6	M3	Z	-729	-729	0	%100
7	M4	X	1.3e-5	1.3e-5	0	%100
8	M4	Z	-7e-6	-7e-6	0	%100
9	M5	X	2.206	2.206	0	%100
10	M5	Z	-1.274	-1.274	0	%100
11	M8	X	2.688	2.688	0	%100
12	M8	Z	-1.552	-1.552	0	%100
13	M9	X	5.049	5.049	0	%100
14	M9	Z	-2.915	-2.915	0	%100
15	M10	X	3.111	3.111	0	%100
16	M10	Z	-1.796	-1.796	0	%100
17	M11	X	5.049	5.049	0	%100
18	M11	Z	-2.915	-2.915	0	%100
19	M12	X	3.111	3.111	0	%100
20	M12	Z	-1.796	-1.796	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	1.262	1.262	0	%100
26	M17	Z	-.729	-.729	0	%100
27	M18	X	1.3e-5	1.3e-5	0	%100
28	M18	Z	-7e-6	-7e-6	0	%100
29	M19	X	1.262	1.262	0	%100
30	M19	Z	-.729	-.729	0	%100
31	M20	X	3.099	3.099	0	%100
32	M20	Z	-1.789	-1.789	0	%100
33	M21	X	2.206	2.206	0	%100
34	M21	Z	-1.274	-1.274	0	%100
35	M24	X	2.688	2.688	0	%100
36	M24	Z	-1.552	-1.552	0	%100
37	MP1A	X	3.329	3.329	0	%100
38	MP1A	Z	-1.922	-1.922	0	%100
39	MP2A	X	3.329	3.329	0	%100
40	MP2A	Z	-1.922	-1.922	0	%100
41	MP3A	X	3.329	3.329	0	%100
42	MP3A	Z	-1.922	-1.922	0	%100
43	MP4A	X	3.329	3.329	0	%100
44	MP4A	Z	-1.922	-1.922	0	%100
45	MP1C	X	3.329	3.329	0	%100
46	MP1C	Z	-1.922	-1.922	0	%100
47	MP2C	X	3.329	3.329	0	%100
48	MP2C	Z	-1.922	-1.922	0	%100
49	MP3CA	X	3.329	3.329	0	%100
50	MP3CA	Z	-1.922	-1.922	0	%100
51	MP4CA	X	3.329	3.329	0	%100
52	MP4CA	Z	-1.922	-1.922	0	%100
53	MP1B	X	3.329	3.329	0	%100
54	MP1B	Z	-1.922	-1.922	0	%100
55	MP2B	X	3.329	3.329	0	%100
56	MP2B	Z	-1.922	-1.922	0	%100
57	MP3B	X	3.329	3.329	0	%100
58	MP3B	Z	-1.922	-1.922	0	%100
59	MP4B	X	3.329	3.329	0	%100
60	MP4B	Z	-1.922	-1.922	0	%100
61	MP3C	X	3.329	3.329	0	%100
62	MP3C	Z	-1.922	-1.922	0	%100
63	M61	X	.942	.942	0	%100
64	M61	Z	-.544	-.544	0	%100
65	M66	X	3.767	3.767	0	%100
66	M66	Z	-2.175	-2.175	0	%100
67	M71	X	.942	.942	0	%100
68	M71	Z	-.544	-.544	0	%100
69	M82	X	3.581	3.581	0	%100
70	M82	Z	-2.068	-2.068	0	%100
71	M83	X	.895	.895	0	%100
72	M83	Z	-.517	-.517	0	%100
73	M84	X	.895	.895	0	%100
74	M84	Z	-.517	-.517	0	%100
75	M86	X	3.926	3.926	0	%100
76	M86	Z	-2.266	-2.266	0	%100
77	M88	X	.852	.852	0	%100
78	M88	Z	-.492	-.492	0	%100
79	M90	X	3.926	3.926	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
80	M90	Z	-2.266	-2.266	0	%100
81	MP4C	X	3.329	3.329	0	%100
82	MP4C	Z	-1.922	-1.922	0	%100
83	M95	X	2.934	2.934	0	%100
84	M95	Z	-1.694	-1.694	0	%100
85	M97	X	2.934	2.934	0	%100
86	M97	Z	-1.694	-1.694	0	%100
87	M99	X	2.934	2.934	0	%100
88	M99	Z	-1.694	-1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.188	1.188	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.188	1.188	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.397	3.397	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	4.139	4.139	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	4.373	4.373	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	4.78	4.78	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	4.373	4.373	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	1.202	1.202	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.849	.849	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	1.035	1.035	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	4.373	4.373	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	1.202	1.202	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	4.373	4.373	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	4.78	4.78	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.849	.849	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	1.035	1.035	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	3.844	3.844	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	3.844	3.844	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	3.844	3.844	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	3.844	3.844	0	%100
44	MP4A	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
45	MP1C	X	3.844	3.844	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	3.844	3.844	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	3.844	3.844	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	3.844	3.844	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	3.844	3.844	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	3.844	3.844	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	3.844	3.844	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	3.844	3.844	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	3.844	3.844	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	3.262	3.262	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	3.262	3.262	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	3.101	3.101	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	3.101	3.101	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	5.716	5.716	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	2.166	2.166	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	2.166	2.166	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	3.844	3.844	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	3.387	3.387	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	3.387	3.387	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	3.387	3.387	0	%100
88	M99	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	1.262	1.262	0	%100
2	M1	Z	.729	.729	0	%100
3	M2	X	1.3e-5	1.3e-5	0	%100
4	M2	Z	7e-6	7e-6	0	%100
5	M3	X	1.262	1.262	0	%100
6	M3	Z	.729	.729	0	%100
7	M4	X	3.099	3.099	0	%100
8	M4	Z	1.789	1.789	0	%100
9	M5	X	2.206	2.206	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
10	M5	Z	1.274	1.274	0	%100
11	M8	X	2.688	2.688	0	%100
12	M8	Z	1.552	1.552	0	%100
13	M9	X	1.262	1.262	0	%100
14	M9	Z	.729	.729	0	%100
15	M10	X	3.099	3.099	0	%100
16	M10	Z	1.789	1.789	0	%100
17	M11	X	1.262	1.262	0	%100
18	M11	Z	.729	.729	0	%100
19	M12	X	1.3e-5	1.3e-5	0	%100
20	M12	Z	7e-6	7e-6	0	%100
21	M13	X	2.206	2.206	0	%100
22	M13	Z	1.274	1.274	0	%100
23	M16	X	2.688	2.688	0	%100
24	M16	Z	1.552	1.552	0	%100
25	M17	X	5.049	5.049	0	%100
26	M17	Z	2.915	2.915	0	%100
27	M18	X	3.111	3.111	0	%100
28	M18	Z	1.796	1.796	0	%100
29	M19	X	5.049	5.049	0	%100
30	M19	Z	2.915	2.915	0	%100
31	M20	X	3.111	3.111	0	%100
32	M20	Z	1.796	1.796	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	3.329	3.329	0	%100
38	MP1A	Z	1.922	1.922	0	%100
39	MP2A	X	3.329	3.329	0	%100
40	MP2A	Z	1.922	1.922	0	%100
41	MP3A	X	3.329	3.329	0	%100
42	MP3A	Z	1.922	1.922	0	%100
43	MP4A	X	3.329	3.329	0	%100
44	MP4A	Z	1.922	1.922	0	%100
45	MP1C	X	3.329	3.329	0	%100
46	MP1C	Z	1.922	1.922	0	%100
47	MP2C	X	3.329	3.329	0	%100
48	MP2C	Z	1.922	1.922	0	%100
49	MP3CA	X	3.329	3.329	0	%100
50	MP3CA	Z	1.922	1.922	0	%100
51	MP4CA	X	3.329	3.329	0	%100
52	MP4CA	Z	1.922	1.922	0	%100
53	MP1B	X	3.329	3.329	0	%100
54	MP1B	Z	1.922	1.922	0	%100
55	MP2B	X	3.329	3.329	0	%100
56	MP2B	Z	1.922	1.922	0	%100
57	MP3B	X	3.329	3.329	0	%100
58	MP3B	Z	1.922	1.922	0	%100
59	MP4B	X	3.329	3.329	0	%100
60	MP4B	Z	1.922	1.922	0	%100
61	MP3C	X	3.329	3.329	0	%100
62	MP3C	Z	1.922	1.922	0	%100
63	M61	X	.942	.942	0	%100
64	M61	Z	.544	.544	0	%100
65	M66	X	.942	.942	0	%100
66	M66	Z	.544	.544	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
67	M71	X	3.767	3.767	0	%100
68	M71	Z	2.175	2.175	0	%100
69	M82	X	.895	.895	0	%100
70	M82	Z	.517	.517	0	%100
71	M83	X	3.581	3.581	0	%100
72	M83	Z	2.068	2.068	0	%100
73	M84	X	.895	.895	0	%100
74	M84	Z	.517	.517	0	%100
75	M86	X	3.926	3.926	0	%100
76	M86	Z	2.266	2.266	0	%100
77	M88	X	3.926	3.926	0	%100
78	M88	Z	2.266	2.266	0	%100
79	M90	X	.852	.852	0	%100
80	M90	Z	.492	.492	0	%100
81	MP4C	X	3.329	3.329	0	%100
82	MP4C	Z	1.922	1.922	0	%100
83	M95	X	2.934	2.934	0	%100
84	M95	Z	1.694	1.694	0	%100
85	M97	X	2.934	2.934	0	%100
86	M97	Z	1.694	1.694	0	%100
87	M99	X	2.934	2.934	0	%100
88	M99	Z	1.694	1.694	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	2.186	2.186	0	%100
2	M1	Z	3.787	3.787	0	%100
3	M2	X	.601	.601	0	%100
4	M2	Z	1.041	1.041	0	%100
5	M3	X	2.186	2.186	0	%100
6	M3	Z	3.787	3.787	0	%100
7	M4	X	2.39	2.39	0	%100
8	M4	Z	4.14	4.14	0	%100
9	M5	X	.425	.425	0	%100
10	M5	Z	.735	.735	0	%100
11	M8	X	.517	.517	0	%100
12	M8	Z	.896	.896	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.594	.594	0	%100
16	M10	Z	1.029	1.029	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.594	.594	0	%100
20	M12	Z	1.029	1.029	0	%100
21	M13	X	1.699	1.699	0	%100
22	M13	Z	2.942	2.942	0	%100
23	M16	X	2.069	2.069	0	%100
24	M16	Z	3.584	3.584	0	%100
25	M17	X	2.186	2.186	0	%100
26	M17	Z	3.787	3.787	0	%100
27	M18	X	2.39	2.39	0	%100
28	M18	Z	4.14	4.14	0	%100
29	M19	X	2.186	2.186	0	%100
30	M19	Z	3.787	3.787	0	%100
31	M20	X	.601	.601	0	%100



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**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.%]
32	M20	Z	1.041	1.041	0	%100
33	M21	X	.425	.425	0	%100
34	M21	Z	.735	.735	0	%100
35	M24	X	.517	.517	0	%100
36	M24	Z	.896	.896	0	%100
37	MP1A	X	1.922	1.922	0	%100
38	MP1A	Z	3.329	3.329	0	%100
39	MP2A	X	1.922	1.922	0	%100
40	MP2A	Z	3.329	3.329	0	%100
41	MP3A	X	1.922	1.922	0	%100
42	MP3A	Z	3.329	3.329	0	%100
43	MP4A	X	1.922	1.922	0	%100
44	MP4A	Z	3.329	3.329	0	%100
45	MP1C	X	1.922	1.922	0	%100
46	MP1C	Z	3.329	3.329	0	%100
47	MP2C	X	1.922	1.922	0	%100
48	MP2C	Z	3.329	3.329	0	%100
49	MP3CA	X	1.922	1.922	0	%100
50	MP3CA	Z	3.329	3.329	0	%100
51	MP4CA	X	1.922	1.922	0	%100
52	MP4CA	Z	3.329	3.329	0	%100
53	MP1B	X	1.922	1.922	0	%100
54	MP1B	Z	3.329	3.329	0	%100
55	MP2B	X	1.922	1.922	0	%100
56	MP2B	Z	3.329	3.329	0	%100
57	MP3B	X	1.922	1.922	0	%100
58	MP3B	Z	3.329	3.329	0	%100
59	MP4B	X	1.922	1.922	0	%100
60	MP4B	Z	3.329	3.329	0	%100
61	MP3C	X	1.922	1.922	0	%100
62	MP3C	Z	3.329	3.329	0	%100
63	M61	X	1.631	1.631	0	%100
64	M61	Z	2.825	2.825	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	1.631	1.631	0	%100
68	M71	Z	2.825	2.825	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	1.551	1.551	0	%100
72	M83	Z	2.686	2.686	0	%100
73	M84	X	1.551	1.551	0	%100
74	M84	Z	2.686	2.686	0	%100
75	M86	X	1.083	1.083	0	%100
76	M86	Z	1.876	1.876	0	%100
77	M88	X	2.858	2.858	0	%100
78	M88	Z	4.95	4.95	0	%100
79	M90	X	1.083	1.083	0	%100
80	M90	Z	1.876	1.876	0	%100
81	MP4C	X	1.922	1.922	0	%100
82	MP4C	Z	3.329	3.329	0	%100
83	M95	X	1.694	1.694	0	%100
84	M95	Z	2.934	2.934	0	%100
85	M97	X	1.694	1.694	0	%100
86	M97	Z	2.934	2.934	0	%100
87	M99	X	1.694	1.694	0	%100
88	M99	Z	2.934	2.934	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	5.83	5.83	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	3.593	3.593	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	5.83	5.83	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	3.593	3.593	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	1.458	1.458	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	1.5e-5	1.5e-5	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	1.458	1.458	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	3.578	3.578	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	2.548	2.548	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	3.104	3.104	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	1.458	1.458	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	3.578	3.578	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	1.458	1.458	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	1.5e-5	1.5e-5	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	2.548	2.548	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	3.104	3.104	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	3.844	3.844	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	3.844	3.844	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	3.844	3.844	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	3.844	3.844	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	3.844	3.844	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	3.844	3.844	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	3.844	3.844	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	3.844	3.844	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	3.844	3.844	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	3.844	3.844	0	%100
57	MP3B	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	MP3B	Z	3.844	3.844	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	3.844	3.844	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	3.844	3.844	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	4.35	4.35	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	1.087	1.087	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	1.087	1.087	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	1.034	1.034	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	1.034	1.034	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	4.135	4.135	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	.983	.983	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	4.533	4.533	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	4.533	4.533	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	3.844	3.844	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	3.387	3.387	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	3.387	3.387	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	3.387	3.387	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.186	-2.186	0	%100
2	M1	Z	3.787	3.787	0	%100
3	M2	X	-2.39	-2.39	0	%100
4	M2	Z	4.14	4.14	0	%100
5	M3	X	-2.186	-2.186	0	%100
6	M3	Z	3.787	3.787	0	%100
7	M4	X	-.601	-.601	0	%100
8	M4	Z	1.041	1.041	0	%100
9	M5	X	-.425	-.425	0	%100
10	M5	Z	.735	.735	0	%100
11	M8	X	-.517	-.517	0	%100
12	M8	Z	.896	.896	0	%100
13	M9	X	-2.186	-2.186	0	%100
14	M9	Z	3.787	3.787	0	%100
15	M10	X	-.601	-.601	0	%100
16	M10	Z	1.041	1.041	0	%100
17	M11	X	-2.186	-2.186	0	%100
18	M11	Z	3.787	3.787	0	%100
19	M12	X	-2.39	-2.39	0	%100
20	M12	Z	4.14	4.14	0	%100
21	M13	X	-.425	-.425	0	%100
22	M13	Z	.735	.735	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M16	X	-.517	-.517	0	%100
24	M16	Z	.896	.896	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.594	-.594	0	%100
28	M18	Z	1.029	1.029	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.594	-.594	0	%100
32	M20	Z	1.029	1.029	0	%100
33	M21	X	-1.699	-1.699	0	%100
34	M21	Z	2.942	2.942	0	%100
35	M24	X	-2.069	-2.069	0	%100
36	M24	Z	3.584	3.584	0	%100
37	MP1A	X	-1.922	-1.922	0	%100
38	MP1A	Z	3.329	3.329	0	%100
39	MP2A	X	-1.922	-1.922	0	%100
40	MP2A	Z	3.329	3.329	0	%100
41	MP3A	X	-1.922	-1.922	0	%100
42	MP3A	Z	3.329	3.329	0	%100
43	MP4A	X	-1.922	-1.922	0	%100
44	MP4A	Z	3.329	3.329	0	%100
45	MP1C	X	-1.922	-1.922	0	%100
46	MP1C	Z	3.329	3.329	0	%100
47	MP2C	X	-1.922	-1.922	0	%100
48	MP2C	Z	3.329	3.329	0	%100
49	MP3CA	X	-1.922	-1.922	0	%100
50	MP3CA	Z	3.329	3.329	0	%100
51	MP4CA	X	-1.922	-1.922	0	%100
52	MP4CA	Z	3.329	3.329	0	%100
53	MP1B	X	-1.922	-1.922	0	%100
54	MP1B	Z	3.329	3.329	0	%100
55	MP2B	X	-1.922	-1.922	0	%100
56	MP2B	Z	3.329	3.329	0	%100
57	MP3B	X	-1.922	-1.922	0	%100
58	MP3B	Z	3.329	3.329	0	%100
59	MP4B	X	-1.922	-1.922	0	%100
60	MP4B	Z	3.329	3.329	0	%100
61	MP3C	X	-1.922	-1.922	0	%100
62	MP3C	Z	3.329	3.329	0	%100
63	M61	X	-1.631	-1.631	0	%100
64	M61	Z	2.825	2.825	0	%100
65	M66	X	-1.631	-1.631	0	%100
66	M66	Z	2.825	2.825	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-1.551	-1.551	0	%100
70	M82	Z	2.686	2.686	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	-1.551	-1.551	0	%100
74	M84	Z	2.686	2.686	0	%100
75	M86	X	-1.083	-1.083	0	%100
76	M86	Z	1.876	1.876	0	%100
77	M88	X	-1.083	-1.083	0	%100
78	M88	Z	1.876	1.876	0	%100
79	M90	X	-2.858	-2.858	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
80	M90	Z	4.95	4.95	0	%100
81	MP4C	X	-1.922	-1.922	0	%100
82	MP4C	Z	3.329	3.329	0	%100
83	M95	X	-1.694	-1.694	0	%100
84	M95	Z	2.934	2.934	0	%100
85	M97	X	-1.694	-1.694	0	%100
86	M97	Z	2.934	2.934	0	%100
87	M99	X	-1.694	-1.694	0	%100
88	M99	Z	2.934	2.934	0	%100

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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.188	-1.188	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.188	-1.188	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.397	-3.397	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
10	M5	Z	0	0	0	%100
11	M8	X	-4.139	-4.139	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-4.373	-4.373	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-4.78	-4.78	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-4.373	-4.373	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-1.202	-1.202	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-0.849	-0.849	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	-1.035	-1.035	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-4.373	-4.373	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-1.202	-1.202	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-4.373	-4.373	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-4.78	-4.78	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-0.849	-0.849	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-1.035	-1.035	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-3.844	-3.844	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-3.844	-3.844	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-3.844	-3.844	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-3.844	-3.844	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	-3.844	-3.844	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-3.844	-3.844	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	-3.844	-3.844	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	-3.844	-3.844	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	-3.844	-3.844	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	-3.844	-3.844	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	-3.844	-3.844	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	-3.844	-3.844	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	-3.844	-3.844	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	-3.262	-3.262	0	%100
66	M66	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
67	M71	X	-3.262	-3.262	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-3.101	-3.101	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-3.101	-3.101	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	-5.716	-5.716	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	-2.166	-2.166	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	-2.166	-2.166	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	-3.844	-3.844	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	-3.387	-3.387	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	-3.387	-3.387	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	-3.387	-3.387	0	%100
88	M99	Z	0	0	0	%100

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

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



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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
32	M20	Z	-1.796	-1.796	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-3.329	-3.329	0	%100
38	MP1A	Z	-1.922	-1.922	0	%100
39	MP2A	X	-3.329	-3.329	0	%100
40	MP2A	Z	-1.922	-1.922	0	%100
41	MP3A	X	-3.329	-3.329	0	%100
42	MP3A	Z	-1.922	-1.922	0	%100
43	MP4A	X	-3.329	-3.329	0	%100
44	MP4A	Z	-1.922	-1.922	0	%100
45	MP1C	X	-3.329	-3.329	0	%100
46	MP1C	Z	-1.922	-1.922	0	%100
47	MP2C	X	-3.329	-3.329	0	%100
48	MP2C	Z	-1.922	-1.922	0	%100
49	MP3CA	X	-3.329	-3.329	0	%100
50	MP3CA	Z	-1.922	-1.922	0	%100
51	MP4CA	X	-3.329	-3.329	0	%100
52	MP4CA	Z	-1.922	-1.922	0	%100
53	MP1B	X	-3.329	-3.329	0	%100
54	MP1B	Z	-1.922	-1.922	0	%100
55	MP2B	X	-3.329	-3.329	0	%100
56	MP2B	Z	-1.922	-1.922	0	%100
57	MP3B	X	-3.329	-3.329	0	%100
58	MP3B	Z	-1.922	-1.922	0	%100
59	MP4B	X	-3.329	-3.329	0	%100
60	MP4B	Z	-1.922	-1.922	0	%100
61	MP3C	X	-3.329	-3.329	0	%100
62	MP3C	Z	-1.922	-1.922	0	%100
63	M61	X	-.942	-.942	0	%100
64	M61	Z	-.544	-.544	0	%100
65	M66	X	-.942	-.942	0	%100
66	M66	Z	-.544	-.544	0	%100
67	M71	X	-3.767	-3.767	0	%100
68	M71	Z	-2.175	-2.175	0	%100
69	M82	X	-.895	-.895	0	%100
70	M82	Z	-.517	-.517	0	%100
71	M83	X	-3.581	-3.581	0	%100
72	M83	Z	-2.068	-2.068	0	%100
73	M84	X	-.895	-.895	0	%100
74	M84	Z	-.517	-.517	0	%100
75	M86	X	-3.926	-3.926	0	%100
76	M86	Z	-2.266	-2.266	0	%100
77	M88	X	-3.926	-3.926	0	%100
78	M88	Z	-2.266	-2.266	0	%100
79	M90	X	-.852	-.852	0	%100
80	M90	Z	-.492	-.492	0	%100
81	MP4C	X	-3.329	-3.329	0	%100
82	MP4C	Z	-1.922	-1.922	0	%100
83	M95	X	-2.934	-2.934	0	%100
84	M95	Z	-1.694	-1.694	0	%100
85	M97	X	-2.934	-2.934	0	%100
86	M97	Z	-1.694	-1.694	0	%100
87	M99	X	-2.934	-2.934	0	%100
88	M99	Z	-1.694	-1.694	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-2.186	-2.186	0	%100
2	M1	Z	-3.787	-3.787	0	%100
3	M2	X	-.601	-.601	0	%100
4	M2	Z	-1.041	-1.041	0	%100
5	M3	X	-2.186	-2.186	0	%100
6	M3	Z	-3.787	-3.787	0	%100
7	M4	X	-2.39	-2.39	0	%100
8	M4	Z	-4.14	-4.14	0	%100
9	M5	X	-.425	-.425	0	%100
10	M5	Z	-.735	-.735	0	%100
11	M8	X	-.517	-.517	0	%100
12	M8	Z	-.896	-.896	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-.594	-.594	0	%100
16	M10	Z	-1.029	-1.029	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.594	-.594	0	%100
20	M12	Z	-1.029	-1.029	0	%100
21	M13	X	-1.699	-1.699	0	%100
22	M13	Z	-2.942	-2.942	0	%100
23	M16	X	-2.069	-2.069	0	%100
24	M16	Z	-3.584	-3.584	0	%100
25	M17	X	-2.186	-2.186	0	%100
26	M17	Z	-3.787	-3.787	0	%100
27	M18	X	-2.39	-2.39	0	%100
28	M18	Z	-4.14	-4.14	0	%100
29	M19	X	-2.186	-2.186	0	%100
30	M19	Z	-3.787	-3.787	0	%100
31	M20	X	-.601	-.601	0	%100
32	M20	Z	-1.041	-1.041	0	%100
33	M21	X	-.425	-.425	0	%100
34	M21	Z	-.735	-.735	0	%100
35	M24	X	-.517	-.517	0	%100
36	M24	Z	-.896	-.896	0	%100
37	MP1A	X	-1.922	-1.922	0	%100
38	MP1A	Z	-3.329	-3.329	0	%100
39	MP2A	X	-1.922	-1.922	0	%100
40	MP2A	Z	-3.329	-3.329	0	%100
41	MP3A	X	-1.922	-1.922	0	%100
42	MP3A	Z	-3.329	-3.329	0	%100
43	MP4A	X	-1.922	-1.922	0	%100
44	MP4A	Z	-3.329	-3.329	0	%100
45	MP1C	X	-1.922	-1.922	0	%100
46	MP1C	Z	-3.329	-3.329	0	%100
47	MP2C	X	-1.922	-1.922	0	%100
48	MP2C	Z	-3.329	-3.329	0	%100
49	MP3CA	X	-1.922	-1.922	0	%100
50	MP3CA	Z	-3.329	-3.329	0	%100
51	MP4CA	X	-1.922	-1.922	0	%100
52	MP4CA	Z	-3.329	-3.329	0	%100
53	MP1B	X	-1.922	-1.922	0	%100
54	MP1B	Z	-3.329	-3.329	0	%100
55	MP2B	X	-1.922	-1.922	0	%100
56	MP2B	Z	-3.329	-3.329	0	%100
57	MP3B	X	-1.922	-1.922	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	MP3B	Z	-3.329	-3.329	0	%100
59	MP4B	X	-1.922	-1.922	0	%100
60	MP4B	Z	-3.329	-3.329	0	%100
61	MP3C	X	-1.922	-1.922	0	%100
62	MP3C	Z	-3.329	-3.329	0	%100
63	M61	X	-1.631	-1.631	0	%100
64	M61	Z	-2.825	-2.825	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-1.631	-1.631	0	%100
68	M71	Z	-2.825	-2.825	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-1.551	-1.551	0	%100
72	M83	Z	-2.686	-2.686	0	%100
73	M84	X	-1.551	-1.551	0	%100
74	M84	Z	-2.686	-2.686	0	%100
75	M86	X	-1.083	-1.083	0	%100
76	M86	Z	-1.876	-1.876	0	%100
77	M88	X	-2.858	-2.858	0	%100
78	M88	Z	-4.95	-4.95	0	%100
79	M90	X	-1.083	-1.083	0	%100
80	M90	Z	-1.876	-1.876	0	%100
81	MP4C	X	-1.922	-1.922	0	%100
82	MP4C	Z	-3.329	-3.329	0	%100
83	M95	X	-1.694	-1.694	0	%100
84	M95	Z	-2.934	-2.934	0	%100
85	M97	X	-1.694	-1.694	0	%100
86	M97	Z	-2.934	-2.934	0	%100
87	M99	X	-1.694	-1.694	0	%100
88	M99	Z	-2.934	-2.934	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	-1.254	-1.254	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.791	-.791	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.254	-1.254	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.791	-.791	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-.314	-.314	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-3e-6	-3e-6	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-.314	-.314	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-.788	-.788	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-.536	-.536	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M16	X	0	0	0	%100
24	M16	Z	-697	-697	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-314	-314	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-788	-788	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-314	-314	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	-3e-6	-3e-6	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-536	-536	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-697	-697	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-596	-596	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-596	-596	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-596	-596	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-596	-596	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-596	-596	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-596	-596	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	-596	-596	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	-596	-596	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-596	-596	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	-596	-596	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	-596	-596	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-596	-596	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-596	-596	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-721	-721	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-18	-18	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	-18	-18	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	-228	-228	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	-228	-228	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	-914	-914	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	-258	-258	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	-1.005	-1.005	0	%100
79	M90	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
80	M90	Z	-1.005	-1.005	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-.596	-.596	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	-.543	-.543	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	-.543	-.543	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	-.543	-.543	0	%100

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

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



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
45	MP1C	X	.298	.298	0	%100
46	MP1C	Z	-.516	-.516	0	%100
47	MP2C	X	.298	.298	0	%100
48	MP2C	Z	-.516	-.516	0	%100
49	MP3CA	X	.298	.298	0	%100
50	MP3CA	Z	-.516	-.516	0	%100
51	MP4CA	X	.298	.298	0	%100
52	MP4CA	Z	-.516	-.516	0	%100
53	MP1B	X	.298	.298	0	%100
54	MP1B	Z	-.516	-.516	0	%100
55	MP2B	X	.298	.298	0	%100
56	MP2B	Z	-.516	-.516	0	%100
57	MP3B	X	.298	.298	0	%100
58	MP3B	Z	-.516	-.516	0	%100
59	MP4B	X	.298	.298	0	%100
60	MP4B	Z	-.516	-.516	0	%100
61	MP3C	X	.298	.298	0	%100
62	MP3C	Z	-.516	-.516	0	%100
63	M61	X	.27	.27	0	%100
64	M61	Z	-.468	-.468	0	%100
65	M66	X	.27	.27	0	%100
66	M66	Z	-.468	-.468	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	.343	.343	0	%100
70	M82	Z	-.593	-.593	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	.343	.343	0	%100
74	M84	Z	-.593	-.593	0	%100
75	M86	X	.254	.254	0	%100
76	M86	Z	-.439	-.439	0	%100
77	M88	X	.254	.254	0	%100
78	M88	Z	-.439	-.439	0	%100
79	M90	X	.627	.627	0	%100
80	M90	Z	-1.086	-1.086	0	%100
81	MP4C	X	.298	.298	0	%100
82	MP4C	Z	-.516	-.516	0	%100
83	M95	X	.271	.271	0	%100
84	M95	Z	-.47	-.47	0	%100
85	M97	X	.271	.271	0	%100
86	M97	Z	-.47	-.47	0	%100
87	M99	X	.271	.271	0	%100
88	M99	Z	-.47	-.47	0	%100

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

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



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**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.%]
10	M5	Z	-.268	-.268	0	%100
11	M8	X	.604	.604	0	%100
12	M8	Z	-.349	-.349	0	%100
13	M9	X	1.086	1.086	0	%100
14	M9	Z	-.627	-.627	0	%100
15	M10	X	.685	.685	0	%100
16	M10	Z	-.396	-.396	0	%100
17	M11	X	1.086	1.086	0	%100
18	M11	Z	-.627	-.627	0	%100
19	M12	X	.685	.685	0	%100
20	M12	Z	-.396	-.396	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.272	.272	0	%100
26	M17	Z	-.157	-.157	0	%100
27	M18	X	3e-6	3e-6	0	%100
28	M18	Z	-2e-6	-2e-6	0	%100
29	M19	X	.272	.272	0	%100
30	M19	Z	-.157	-.157	0	%100
31	M20	X	.683	.683	0	%100
32	M20	Z	-.394	-.394	0	%100
33	M21	X	.464	.464	0	%100
34	M21	Z	-.268	-.268	0	%100
35	M24	X	.604	.604	0	%100
36	M24	Z	-.349	-.349	0	%100
37	MP1A	X	.516	.516	0	%100
38	MP1A	Z	-.298	-.298	0	%100
39	MP2A	X	.516	.516	0	%100
40	MP2A	Z	-.298	-.298	0	%100
41	MP3A	X	.516	.516	0	%100
42	MP3A	Z	-.298	-.298	0	%100
43	MP4A	X	.516	.516	0	%100
44	MP4A	Z	-.298	-.298	0	%100
45	MP1C	X	.516	.516	0	%100
46	MP1C	Z	-.298	-.298	0	%100
47	MP2C	X	.516	.516	0	%100
48	MP2C	Z	-.298	-.298	0	%100
49	MP3CA	X	.516	.516	0	%100
50	MP3CA	Z	-.298	-.298	0	%100
51	MP4CA	X	.516	.516	0	%100
52	MP4CA	Z	-.298	-.298	0	%100
53	MP1B	X	.516	.516	0	%100
54	MP1B	Z	-.298	-.298	0	%100
55	MP2B	X	.516	.516	0	%100
56	MP2B	Z	-.298	-.298	0	%100
57	MP3B	X	.516	.516	0	%100
58	MP3B	Z	-.298	-.298	0	%100
59	MP4B	X	.516	.516	0	%100
60	MP4B	Z	-.298	-.298	0	%100
61	MP3C	X	.516	.516	0	%100
62	MP3C	Z	-.298	-.298	0	%100
63	M61	X	.156	.156	0	%100
64	M61	Z	-.09	-.09	0	%100
65	M66	X	.624	.624	0	%100
66	M66	Z	-.361	-.361	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
67	M71	X	.156	.156	0	%100
68	M71	Z	-.09	-.09	0	%100
69	M82	X	.791	.791	0	%100
70	M82	Z	-.457	-.457	0	%100
71	M83	X	.198	.198	0	%100
72	M83	Z	-.114	-.114	0	%100
73	M84	X	.198	.198	0	%100
74	M84	Z	-.114	-.114	0	%100
75	M86	X	.87	.87	0	%100
76	M86	Z	-.503	-.503	0	%100
77	M88	X	.224	.224	0	%100
78	M88	Z	-.129	-.129	0	%100
79	M90	X	.87	.87	0	%100
80	M90	Z	-.503	-.503	0	%100
81	MP4C	X	.516	.516	0	%100
82	MP4C	Z	-.298	-.298	0	%100
83	M95	X	.47	.47	0	%100
84	M95	Z	-.271	-.271	0	%100
85	M97	X	.47	.47	0	%100
86	M97	Z	-.271	-.271	0	%100
87	M99	X	.47	.47	0	%100
88	M99	Z	-.271	-.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.262	.262	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.262	.262	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.715	.715	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	.93	.93	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	.941	.941	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	1.053	1.053	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.941	.941	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.265	.265	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.179	.179	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	.232	.232	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.941	.941	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.265	.265	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.941	.941	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	1.053	1.053	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F....]	Start Location[ft.%]	End Location[ft.%]
32	M20	Z	0	0	0	%100
33	M21	X	.179	.179	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	.232	.232	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	.596	.596	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	.596	.596	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	.596	.596	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	.596	.596	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	.596	.596	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	.596	.596	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	.596	.596	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	.596	.596	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	.596	.596	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	.596	.596	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	.596	.596	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	.596	.596	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	.596	.596	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	.541	.541	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	.541	.541	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	.685	.685	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	.685	.685	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	1.254	1.254	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	.507	.507	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	.507	.507	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	.596	.596	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	.543	.543	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	.543	.543	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	.543	.543	0	%100
88	M99	Z	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.272	.272	0	%100
2	M1	Z	.157	.157	0	%100
3	M2	X	3e-6	3e-6	0	%100
4	M2	Z	2e-6	2e-6	0	%100
5	M3	X	.272	.272	0	%100
6	M3	Z	.157	.157	0	%100
7	M4	X	.683	.683	0	%100
8	M4	Z	.394	.394	0	%100
9	M5	X	.464	.464	0	%100
10	M5	Z	.268	.268	0	%100
11	M8	X	.604	.604	0	%100
12	M8	Z	.349	.349	0	%100
13	M9	X	.272	.272	0	%100
14	M9	Z	.157	.157	0	%100
15	M10	X	.683	.683	0	%100
16	M10	Z	.394	.394	0	%100
17	M11	X	.272	.272	0	%100
18	M11	Z	.157	.157	0	%100
19	M12	X	3e-6	3e-6	0	%100
20	M12	Z	2e-6	2e-6	0	%100
21	M13	X	.464	.464	0	%100
22	M13	Z	.268	.268	0	%100
23	M16	X	.604	.604	0	%100
24	M16	Z	.349	.349	0	%100
25	M17	X	1.086	1.086	0	%100
26	M17	Z	.627	.627	0	%100
27	M18	X	.685	.685	0	%100
28	M18	Z	.396	.396	0	%100
29	M19	X	1.086	1.086	0	%100
30	M19	Z	.627	.627	0	%100
31	M20	X	.685	.685	0	%100
32	M20	Z	.396	.396	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	.516	.516	0	%100
38	MP1A	Z	.298	.298	0	%100
39	MP2A	X	.516	.516	0	%100
40	MP2A	Z	.298	.298	0	%100
41	MP3A	X	.516	.516	0	%100
42	MP3A	Z	.298	.298	0	%100
43	MP4A	X	.516	.516	0	%100
44	MP4A	Z	.298	.298	0	%100
45	MP1C	X	.516	.516	0	%100
46	MP1C	Z	.298	.298	0	%100
47	MP2C	X	.516	.516	0	%100
48	MP2C	Z	.298	.298	0	%100
49	MP3CA	X	.516	.516	0	%100
50	MP3CA	Z	.298	.298	0	%100
51	MP4CA	X	.516	.516	0	%100
52	MP4CA	Z	.298	.298	0	%100
53	MP1B	X	.516	.516	0	%100
54	MP1B	Z	.298	.298	0	%100
55	MP2B	X	.516	.516	0	%100
56	MP2B	Z	.298	.298	0	%100
57	MP3B	X	.516	.516	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	MP3B	Z	.298	.298	0	%100
59	MP4B	X	.516	.516	0	%100
60	MP4B	Z	.298	.298	0	%100
61	MP3C	X	.516	.516	0	%100
62	MP3C	Z	.298	.298	0	%100
63	M61	X	.156	.156	0	%100
64	M61	Z	.09	.09	0	%100
65	M66	X	.156	.156	0	%100
66	M66	Z	.09	.09	0	%100
67	M71	X	.624	.624	0	%100
68	M71	Z	.361	.361	0	%100
69	M82	X	.198	.198	0	%100
70	M82	Z	.114	.114	0	%100
71	M83	X	.791	.791	0	%100
72	M83	Z	.457	.457	0	%100
73	M84	X	.198	.198	0	%100
74	M84	Z	.114	.114	0	%100
75	M86	X	.87	.87	0	%100
76	M86	Z	.503	.503	0	%100
77	M88	X	.87	.87	0	%100
78	M88	Z	.503	.503	0	%100
79	M90	X	.224	.224	0	%100
80	M90	Z	.129	.129	0	%100
81	MP4C	X	.516	.516	0	%100
82	MP4C	Z	.298	.298	0	%100
83	M95	X	.47	.47	0	%100
84	M95	Z	.271	.271	0	%100
85	M97	X	.47	.47	0	%100
86	M97	Z	.271	.271	0	%100
87	M99	X	.47	.47	0	%100
88	M99	Z	.271	.271	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	.47	.47	0	%100
2	M1	Z	.815	.815	0	%100
3	M2	X	.132	.132	0	%100
4	M2	Z	.229	.229	0	%100
5	M3	X	.47	.47	0	%100
6	M3	Z	.815	.815	0	%100
7	M4	X	.526	.526	0	%100
8	M4	Z	.912	.912	0	%100
9	M5	X	.089	.089	0	%100
10	M5	Z	.155	.155	0	%100
11	M8	X	.116	.116	0	%100
12	M8	Z	.201	.201	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.131	.131	0	%100
16	M10	Z	.227	.227	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.131	.131	0	%100
20	M12	Z	.227	.227	0	%100
21	M13	X	.357	.357	0	%100
22	M13	Z	.619	.619	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M16	X	.465	.465	0	%100
24	M16	Z	.805	.805	0	%100
25	M17	X	.47	.47	0	%100
26	M17	Z	.815	.815	0	%100
27	M18	X	.526	.526	0	%100
28	M18	Z	.912	.912	0	%100
29	M19	X	.47	.47	0	%100
30	M19	Z	.815	.815	0	%100
31	M20	X	.132	.132	0	%100
32	M20	Z	.229	.229	0	%100
33	M21	X	.089	.089	0	%100
34	M21	Z	.155	.155	0	%100
35	M24	X	.116	.116	0	%100
36	M24	Z	.201	.201	0	%100
37	MP1A	X	.298	.298	0	%100
38	MP1A	Z	.516	.516	0	%100
39	MP2A	X	.298	.298	0	%100
40	MP2A	Z	.516	.516	0	%100
41	MP3A	X	.298	.298	0	%100
42	MP3A	Z	.516	.516	0	%100
43	MP4A	X	.298	.298	0	%100
44	MP4A	Z	.516	.516	0	%100
45	MP1C	X	.298	.298	0	%100
46	MP1C	Z	.516	.516	0	%100
47	MP2C	X	.298	.298	0	%100
48	MP2C	Z	.516	.516	0	%100
49	MP3CA	X	.298	.298	0	%100
50	MP3CA	Z	.516	.516	0	%100
51	MP4CA	X	.298	.298	0	%100
52	MP4CA	Z	.516	.516	0	%100
53	MP1B	X	.298	.298	0	%100
54	MP1B	Z	.516	.516	0	%100
55	MP2B	X	.298	.298	0	%100
56	MP2B	Z	.516	.516	0	%100
57	MP3B	X	.298	.298	0	%100
58	MP3B	Z	.516	.516	0	%100
59	MP4B	X	.298	.298	0	%100
60	MP4B	Z	.516	.516	0	%100
61	MP3C	X	.298	.298	0	%100
62	MP3C	Z	.516	.516	0	%100
63	M61	X	.27	.27	0	%100
64	M61	Z	.468	.468	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	.27	.27	0	%100
68	M71	Z	.468	.468	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	.343	.343	0	%100
72	M83	Z	.593	.593	0	%100
73	M84	X	.343	.343	0	%100
74	M84	Z	.593	.593	0	%100
75	M86	X	.254	.254	0	%100
76	M86	Z	.439	.439	0	%100
77	M88	X	.627	.627	0	%100
78	M88	Z	1.086	1.086	0	%100
79	M90	X	.254	.254	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
80	M90	Z	.439	.439	0	%100
81	MP4C	X	.298	.298	0	%100
82	MP4C	Z	.516	.516	0	%100
83	M95	X	.271	.271	0	%100
84	M95	Z	.47	.47	0	%100
85	M97	X	.271	.271	0	%100
86	M97	Z	.47	.47	0	%100
87	M99	X	.271	.271	0	%100
88	M99	Z	.47	.47	0	%100

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

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



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
45	MP1C	X	0	0	0	%100
46	MP1C	Z	.596	.596	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	.596	.596	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	.596	.596	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	.596	.596	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	.596	.596	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	.596	.596	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	.596	.596	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	.596	.596	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	.596	.596	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	.721	.721	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	.18	.18	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	.18	.18	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	.228	.228	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	.228	.228	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	.914	.914	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	.258	.258	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	1.005	1.005	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	1.005	1.005	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	.596	.596	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	.543	.543	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	.543	.543	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	.543	.543	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	-.47	-.47	0	%100
2	M1	Z	.815	.815	0	%100
3	M2	X	-.526	-.526	0	%100
4	M2	Z	.912	.912	0	%100
5	M3	X	-.47	-.47	0	%100
6	M3	Z	.815	.815	0	%100
7	M4	X	-.132	-.132	0	%100
8	M4	Z	.229	.229	0	%100
9	M5	X	-.089	-.089	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft...]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
10	M5	Z	.155	.155	0	%100
11	M8	X	-.116	-.116	0	%100
12	M8	Z	.201	.201	0	%100
13	M9	X	-.47	-.47	0	%100
14	M9	Z	.815	.815	0	%100
15	M10	X	-.132	-.132	0	%100
16	M10	Z	.229	.229	0	%100
17	M11	X	-.47	-.47	0	%100
18	M11	Z	.815	.815	0	%100
19	M12	X	-.526	-.526	0	%100
20	M12	Z	.912	.912	0	%100
21	M13	X	-.089	-.089	0	%100
22	M13	Z	.155	.155	0	%100
23	M16	X	-.116	-.116	0	%100
24	M16	Z	.201	.201	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.131	-.131	0	%100
28	M18	Z	.227	.227	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.131	-.131	0	%100
32	M20	Z	.227	.227	0	%100
33	M21	X	-.357	-.357	0	%100
34	M21	Z	.619	.619	0	%100
35	M24	X	-.465	-.465	0	%100
36	M24	Z	.805	.805	0	%100
37	MP1A	X	-.298	-.298	0	%100
38	MP1A	Z	.516	.516	0	%100
39	MP2A	X	-.298	-.298	0	%100
40	MP2A	Z	.516	.516	0	%100
41	MP3A	X	-.298	-.298	0	%100
42	MP3A	Z	.516	.516	0	%100
43	MP4A	X	-.298	-.298	0	%100
44	MP4A	Z	.516	.516	0	%100
45	MP1C	X	-.298	-.298	0	%100
46	MP1C	Z	.516	.516	0	%100
47	MP2C	X	-.298	-.298	0	%100
48	MP2C	Z	.516	.516	0	%100
49	MP3CA	X	-.298	-.298	0	%100
50	MP3CA	Z	.516	.516	0	%100
51	MP4CA	X	-.298	-.298	0	%100
52	MP4CA	Z	.516	.516	0	%100
53	MP1B	X	-.298	-.298	0	%100
54	MP1B	Z	.516	.516	0	%100
55	MP2B	X	-.298	-.298	0	%100
56	MP2B	Z	.516	.516	0	%100
57	MP3B	X	-.298	-.298	0	%100
58	MP3B	Z	.516	.516	0	%100
59	MP4B	X	-.298	-.298	0	%100
60	MP4B	Z	.516	.516	0	%100
61	MP3C	X	-.298	-.298	0	%100
62	MP3C	Z	.516	.516	0	%100
63	M61	X	-.27	-.27	0	%100
64	M61	Z	.468	.468	0	%100
65	M66	X	-.27	-.27	0	%100
66	M66	Z	.468	.468	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-.343	-.343	0	%100
70	M82	Z	.593	.593	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	-.343	-.343	0	%100
74	M84	Z	.593	.593	0	%100
75	M86	X	-.254	-.254	0	%100
76	M86	Z	.439	.439	0	%100
77	M88	X	-.254	-.254	0	%100
78	M88	Z	.439	.439	0	%100
79	M90	X	-.627	-.627	0	%100
80	M90	Z	1.086	1.086	0	%100
81	MP4C	X	-.298	-.298	0	%100
82	MP4C	Z	.516	.516	0	%100
83	M95	X	-.271	-.271	0	%100
84	M95	Z	.47	.47	0	%100
85	M97	X	-.271	-.271	0	%100
86	M97	Z	.47	.47	0	%100
87	M99	X	-.271	-.271	0	%100
88	M99	Z	.47	.47	0	%100

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

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



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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
32	M20	Z	.394	.394	0	%100
33	M21	X	-.464	-.464	0	%100
34	M21	Z	.268	.268	0	%100
35	M24	X	-.604	-.604	0	%100
36	M24	Z	.349	.349	0	%100
37	MP1A	X	-.516	-.516	0	%100
38	MP1A	Z	.298	.298	0	%100
39	MP2A	X	-.516	-.516	0	%100
40	MP2A	Z	.298	.298	0	%100
41	MP3A	X	-.516	-.516	0	%100
42	MP3A	Z	.298	.298	0	%100
43	MP4A	X	-.516	-.516	0	%100
44	MP4A	Z	.298	.298	0	%100
45	MP1C	X	-.516	-.516	0	%100
46	MP1C	Z	.298	.298	0	%100
47	MP2C	X	-.516	-.516	0	%100
48	MP2C	Z	.298	.298	0	%100
49	MP3CA	X	-.516	-.516	0	%100
50	MP3CA	Z	.298	.298	0	%100
51	MP4CA	X	-.516	-.516	0	%100
52	MP4CA	Z	.298	.298	0	%100
53	MP1B	X	-.516	-.516	0	%100
54	MP1B	Z	.298	.298	0	%100
55	MP2B	X	-.516	-.516	0	%100
56	MP2B	Z	.298	.298	0	%100
57	MP3B	X	-.516	-.516	0	%100
58	MP3B	Z	.298	.298	0	%100
59	MP4B	X	-.516	-.516	0	%100
60	MP4B	Z	.298	.298	0	%100
61	MP3C	X	-.516	-.516	0	%100
62	MP3C	Z	.298	.298	0	%100
63	M61	X	-.156	-.156	0	%100
64	M61	Z	.09	.09	0	%100
65	M66	X	-.624	-.624	0	%100
66	M66	Z	.361	.361	0	%100
67	M71	X	-.156	-.156	0	%100
68	M71	Z	.09	.09	0	%100
69	M82	X	-.791	-.791	0	%100
70	M82	Z	.457	.457	0	%100
71	M83	X	-.198	-.198	0	%100
72	M83	Z	.114	.114	0	%100
73	M84	X	-.198	-.198	0	%100
74	M84	Z	.114	.114	0	%100
75	M86	X	-.87	-.87	0	%100
76	M86	Z	.503	.503	0	%100
77	M88	X	-.224	-.224	0	%100
78	M88	Z	.129	.129	0	%100
79	M90	X	-.87	-.87	0	%100
80	M90	Z	.503	.503	0	%100
81	MP4C	X	-.516	-.516	0	%100
82	MP4C	Z	.298	.298	0	%100
83	M95	X	-.47	-.47	0	%100
84	M95	Z	.271	.271	0	%100
85	M97	X	-.47	-.47	0	%100
86	M97	Z	.271	.271	0	%100
87	M99	X	-.47	-.47	0	%100
88	M99	Z	.271	.271	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-262	-262	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-262	-262	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-715	-715	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-93	-93	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-941	-941	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-1.053	-1.053	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-941	-941	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-265	-265	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-179	-179	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	-232	-232	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-941	-941	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-265	-265	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-941	-941	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-1.053	-1.053	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-179	-179	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-232	-232	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-596	-596	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-596	-596	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-596	-596	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-596	-596	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	-596	-596	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-596	-596	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	-596	-596	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	-596	-596	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	-596	-596	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	-596	-596	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	-596	-596	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
58	MP3B	Z	0	0	0	%100
59	MP4B	X	-596	-596	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	-596	-596	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	-541	-541	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-541	-541	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-685	-685	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-685	-685	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	-1,254	-1,254	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	-507	-507	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	-507	-507	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	-596	-596	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	-543	-543	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	-543	-543	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	-543	-543	0	%100
88	M99	Z	0	0	0	%100

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

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



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
23	M16	X	-604	-604	0	%100
24	M16	Z	-349	-349	0	%100
25	M17	X	-1.086	-1.086	0	%100
26	M17	Z	-627	-627	0	%100
27	M18	X	-685	-685	0	%100
28	M18	Z	-396	-396	0	%100
29	M19	X	-1.086	-1.086	0	%100
30	M19	Z	-627	-627	0	%100
31	M20	X	-685	-685	0	%100
32	M20	Z	-396	-396	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-516	-516	0	%100
38	MP1A	Z	-298	-298	0	%100
39	MP2A	X	-516	-516	0	%100
40	MP2A	Z	-298	-298	0	%100
41	MP3A	X	-516	-516	0	%100
42	MP3A	Z	-298	-298	0	%100
43	MP4A	X	-516	-516	0	%100
44	MP4A	Z	-298	-298	0	%100
45	MP1C	X	-516	-516	0	%100
46	MP1C	Z	-298	-298	0	%100
47	MP2C	X	-516	-516	0	%100
48	MP2C	Z	-298	-298	0	%100
49	MP3CA	X	-516	-516	0	%100
50	MP3CA	Z	-298	-298	0	%100
51	MP4CA	X	-516	-516	0	%100
52	MP4CA	Z	-298	-298	0	%100
53	MP1B	X	-516	-516	0	%100
54	MP1B	Z	-298	-298	0	%100
55	MP2B	X	-516	-516	0	%100
56	MP2B	Z	-298	-298	0	%100
57	MP3B	X	-516	-516	0	%100
58	MP3B	Z	-298	-298	0	%100
59	MP4B	X	-516	-516	0	%100
60	MP4B	Z	-298	-298	0	%100
61	MP3C	X	-516	-516	0	%100
62	MP3C	Z	-298	-298	0	%100
63	M61	X	-156	-156	0	%100
64	M61	Z	-09	-09	0	%100
65	M66	X	-156	-156	0	%100
66	M66	Z	-09	-09	0	%100
67	M71	X	-624	-624	0	%100
68	M71	Z	-361	-361	0	%100
69	M82	X	-198	-198	0	%100
70	M82	Z	-114	-114	0	%100
71	M83	X	-791	-791	0	%100
72	M83	Z	-457	-457	0	%100
73	M84	X	-198	-198	0	%100
74	M84	Z	-114	-114	0	%100
75	M86	X	-87	-87	0	%100
76	M86	Z	-503	-503	0	%100
77	M88	X	-87	-87	0	%100
78	M88	Z	-503	-503	0	%100
79	M90	X	-224	-224	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb/f.F...	Start Location[ft.%]	End Location[ft.%]
80	M90	Z	-129	-129	0	%100
81	MP4C	X	-516	-516	0	%100
82	MP4C	Z	-298	-298	0	%100
83	M95	X	-47	-47	0	%100
84	M95	Z	-271	-271	0	%100
85	M97	X	-47	-47	0	%100
86	M97	Z	-271	-271	0	%100
87	M99	X	-47	-47	0	%100
88	M99	Z	-271	-271	0	%100

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

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



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
45	MP1C	X	-298	-298	0	%100
46	MP1C	Z	-516	-516	0	%100
47	MP2C	X	-298	-298	0	%100
48	MP2C	Z	-516	-516	0	%100
49	MP3CA	X	-298	-298	0	%100
50	MP3CA	Z	-516	-516	0	%100
51	MP4CA	X	-298	-298	0	%100
52	MP4CA	Z	-516	-516	0	%100
53	MP1B	X	-298	-298	0	%100
54	MP1B	Z	-516	-516	0	%100
55	MP2B	X	-298	-298	0	%100
56	MP2B	Z	-516	-516	0	%100
57	MP3B	X	-298	-298	0	%100
58	MP3B	Z	-516	-516	0	%100
59	MP4B	X	-298	-298	0	%100
60	MP4B	Z	-516	-516	0	%100
61	MP3C	X	-298	-298	0	%100
62	MP3C	Z	-516	-516	0	%100
63	M61	X	-.27	-.27	0	%100
64	M61	Z	-468	-468	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-.27	-.27	0	%100
68	M71	Z	-468	-468	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-343	-343	0	%100
72	M83	Z	-593	-593	0	%100
73	M84	X	-343	-343	0	%100
74	M84	Z	-593	-593	0	%100
75	M86	X	-.254	-.254	0	%100
76	M86	Z	-439	-439	0	%100
77	M88	X	-.627	-.627	0	%100
78	M88	Z	-1.086	-1.086	0	%100
79	M90	X	-.254	-.254	0	%100
80	M90	Z	-439	-439	0	%100
81	MP4C	X	-298	-298	0	%100
82	MP4C	Z	-516	-516	0	%100
83	M95	X	-.271	-.271	0	%100
84	M95	Z	-.47	-.47	0	%100
85	M97	X	-.271	-.271	0	%100
86	M97	Z	-.47	-.47	0	%100
87	M99	X	-.271	-.271	0	%100
88	M99	Z	-.47	-.47	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-.102	-3.017	0	2
2	M1	Y	-3.017	-4.935	2	4
3	M1	Y	-4.935	-4.659	4	6
4	M1	Y	-4.659	-4.659	6	8
5	M1	Y	-4.659	-4.935	8	10
6	M1	Y	-4.935	-3.017	10	12
7	M1	Y	-3.017	-.102	12	14
8	M2	Y	-.5	-2.435	0	1.923
9	M2	Y	-2.435	-4.37	1.923	3.845



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
10	M3	Y	-5.056	-5.056	.013	7.32
11	M4	Y	-4.37	-2.435	0	1.923
12	M4	Y	-2.435	-.5	1.923	3.845
13	M9	Y	-1.029	-2.633	0	2.333
14	M9	Y	-2.633	-4.712	2.333	4.667
15	M9	Y	-4.712	-5.988	4.667	7
16	M9	Y	-5.988	-4.712	7	9.333
17	M9	Y	-4.712	-2.633	9.333	11.667
18	M9	Y	-2.633	-1.029	11.667	14
19	M10	Y	-.5	-2.435	0	1.923
20	M10	Y	-2.435	-4.37	1.923	3.845
21	M11	Y	-5.056	-5.056	.013	7.32
22	M12	Y	-4.37	-2.435	0	1.923
23	M12	Y	-2.435	-.5	1.923	3.845
24	M17	Y	-1.029	-2.633	0	2.333
25	M17	Y	-2.633	-4.712	2.333	4.667
26	M17	Y	-4.712	-5.988	4.667	7
27	M17	Y	-5.988	-4.712	7	9.333
28	M17	Y	-4.712	-2.633	9.333	11.667
29	M17	Y	-2.633	-1.029	11.667	14
30	M18	Y	-.5	-2.435	0	1.923
31	M18	Y	-2.435	-4.37	1.923	3.845
32	M19	Y	-5.056	-5.056	.013	7.32
33	M20	Y	-4.37	-2.435	0	1.923
34	M20	Y	-2.435	-.5	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-.245	-7.268	0	2
2	M1	Y	-7.268	-11.887	2	4
3	M1	Y	-11.887	-11.223	4	6
4	M1	Y	-11.223	-11.223	6	8
5	M1	Y	-11.223	-11.887	8	10
6	M1	Y	-11.887	-7.268	10	12
7	M1	Y	-7.268	-.245	12	14
8	M2	Y	-1.203	-5.865	0	1.923
9	M2	Y	-5.865	-10.526	1.923	3.845
10	M3	Y	-12.179	-12.179	.013	7.32
11	M4	Y	-10.526	-5.865	0	1.923
12	M4	Y	-5.865	-1.203	1.923	3.845
13	M9	Y	-2.478	-6.342	0	2.333
14	M9	Y	-6.342	-11.349	2.333	4.667
15	M9	Y	-11.349	-14.425	4.667	7
16	M9	Y	-14.425	-11.349	7	9.333
17	M9	Y	-11.349	-6.342	9.333	11.667
18	M9	Y	-6.342	-2.478	11.667	14
19	M10	Y	-1.203	-5.865	0	1.923
20	M10	Y	-5.865	-10.526	1.923	3.845
21	M11	Y	-12.179	-12.179	.013	7.32
22	M12	Y	-10.526	-5.865	0	1.923
23	M12	Y	-5.865	-1.203	1.923	3.845
24	M17	Y	-2.478	-6.342	0	2.333
25	M17	Y	-6.342	-11.349	2.333	4.667
26	M17	Y	-11.349	-14.425	4.667	7
27	M17	Y	-14.425	-11.349	7	9.333
28	M17	Y	-11.349	-6.342	9.333	11.667

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
29	M17	Y	-6.342	-2.478	11.667	14
30	M18	Y	-1.203	-5.865	0	1.923
31	M18	Y	-5.865	-10.526	1.923	3.845
32	M19	Y	-12.179	-12.179	.013	7.32
33	M20	Y	-10.526	-5.865	0	1.923
34	M20	Y	-5.865	-1.203	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	Y	-.004	-.117	0	2
2	M1	Y	-.117	-.192	2	4
3	M1	Y	-.192	-.181	4	6
4	M1	Y	-.181	-.181	6	8
5	M1	Y	-.181	-.192	8	10
6	M1	Y	-.192	-.117	10	12
7	M1	Y	-.117	-.004	12	14
8	M2	Y	-.019	-.095	0	1.923
9	M2	Y	-.095	-.17	1.923	3.845
10	M3	Y	-.196	-.196	.013	7.32
11	M4	Y	-.17	-.095	0	1.923
12	M4	Y	-.095	-.019	1.923	3.845
13	M9	Y	-.04	-.102	0	2.333
14	M9	Y	-.102	-.183	2.333	4.667
15	M9	Y	-.183	-.233	4.667	7
16	M9	Y	-.233	-.183	7	9.333
17	M9	Y	-.183	-.102	9.333	11.667
18	M9	Y	-.102	-.04	11.667	14
19	M10	Y	-.019	-.095	0	1.923
20	M10	Y	-.095	-.17	1.923	3.845
21	M11	Y	-.196	-.196	.013	7.32
22	M12	Y	-.17	-.095	0	1.923
23	M12	Y	-.095	-.019	1.923	3.845
24	M17	Y	-.04	-.102	0	2.333
25	M17	Y	-.102	-.183	2.333	4.667
26	M17	Y	-.183	-.233	4.667	7
27	M17	Y	-.233	-.183	7	9.333
28	M17	Y	-.183	-.102	9.333	11.667
29	M17	Y	-.102	-.04	11.667	14
30	M18	Y	-.019	-.095	0	1.923
31	M18	Y	-.095	-.17	1.923	3.845
32	M19	Y	-.196	-.196	.013	7.32
33	M20	Y	-.17	-.095	0	1.923
34	M20	Y	-.095	-.019	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M1	Z	-.01	-.293	0	2
2	M1	Z	-.293	-.479	2	4
3	M1	Z	-.479	-.452	4	6
4	M1	Z	-.452	-.452	6	8
5	M1	Z	-.452	-.479	8	10
6	M1	Z	-.479	-.293	10	12
7	M1	Z	-.293	-.01	12	14
8	M2	Z	-.049	-.236	0	1.923
9	M2	Z	-.236	-.424	1.923	3.845
10	M3	Z	-.491	-.491	.013	7.32



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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
11	M4	Z	-.424	-.236	0	1.923
12	M4	Z	-.236	-.049	1.923	3.845
13	M9	Z	-.1	-.256	0	2.333
14	M9	Z	-.256	-.458	2.333	4.667
15	M9	Z	-.458	-.582	4.667	7
16	M9	Z	-.582	-.458	7	9.333
17	M9	Z	-.458	-.256	9.333	11.667
18	M9	Z	-.256	-.1	11.667	14
19	M10	Z	-.049	-.236	0	1.923
20	M10	Z	-.236	-.424	1.923	3.845
21	M11	Z	-.491	-.491	.013	7.32
22	M12	Z	-.424	-.236	0	1.923
23	M12	Z	-.236	-.049	1.923	3.845
24	M17	Z	-.1	-.256	0	2.333
25	M17	Z	-.256	-.458	2.333	4.667
26	M17	Z	-.458	-.582	4.667	7
27	M17	Z	-.582	-.458	7	9.333
28	M17	Z	-.458	-.256	9.333	11.667
29	M17	Z	-.256	-.1	11.667	14
30	M18	Z	-.049	-.236	0	1.923
31	M18	Z	-.236	-.424	1.923	3.845
32	M19	Z	-.491	-.491	.013	7.32
33	M20	Z	-.424	-.236	0	1.923
34	M20	Z	-.236	-.049	1.923	3.845

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	.01	.293	0	2
2	M1	X	.293	.479	2	4
3	M1	X	.479	.452	4	6
4	M1	X	.452	.452	6	8
5	M1	X	.452	.479	8	10
6	M1	X	.479	.293	10	12
7	M1	X	.293	.01	12	14
8	M2	X	.049	.236	0	1.923
9	M2	X	.236	.424	1.923	3.845
10	M3	X	.491	.491	.013	7.32
11	M4	X	.424	.236	0	1.923
12	M4	X	.236	.049	1.923	3.845
13	M9	X	.1	.256	0	2.333
14	M9	X	.256	.458	2.333	4.667
15	M9	X	.458	.582	4.667	7
16	M9	X	.582	.458	7	9.333
17	M9	X	.458	.256	9.333	11.667
18	M9	X	.256	.1	11.667	14
19	M10	X	.049	.236	0	1.923
20	M10	X	.236	.424	1.923	3.845
21	M11	X	.491	.491	.013	7.32
22	M12	X	.424	.236	0	1.923
23	M12	X	.236	.049	1.923	3.845
24	M17	X	.1	.256	0	2.333
25	M17	X	.256	.458	2.333	4.667
26	M17	X	.458	.582	4.667	7
27	M17	X	.582	.458	7	9.333
28	M17	X	.458	.256	9.333	11.667
29	M17	X	.256	.1	11.667	14



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
30	M18	X	.049	.236	0	1.923
31	M18	X	.236	.424	1.923	3.845
32	M19	X	.491	.491	.013	7.32
33	M20	X	.424	.236	0	1.923
34	M20	X	.236	.049	1.923	3.845

**Member Area Loads (BLC 39 : Structure D)**

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

**Member Area Loads (BLC 40 : Structure Di)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.013
2	N13	N16	N15	N12	Y	Two Way	-.013
3	N23	N26A	N25	N22	Y	Two Way	-.013

**Member Area Loads (BLC 84 : Structure Ev)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.000202
2	N13	N16	N15	N12	Y	Two Way	-.000202
3	N23	N26A	N25	N22	Y	Two Way	-.000202

**Member Area Loads (BLC 85 : Structure Eh (0 Deg))**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Z	Two Way	-.000505
2	N13	N16	N15	N12	Z	Two Way	-.000505
3	N23	N26A	N25	N22	Z	Two Way	-.000505

**Member Area Loads (BLC 86 : Structure Eh (90 Deg))**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	X	Two Way	.000505
2	N13	N16	N15	N12	X	Two Way	.000505
3	N23	N26A	N25	N22	X	Two Way	.000505

**Envelope Joint Reactions**

	Joint	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MCZ [...]	LC
1	N7	m... 1993.286	9	1825.589	21	1238.486	1	-.993	1	1.565	8	.455	3
2		m... -2149.071	3	449.76	68	-1231.278	7	-4.14	19	-1.672	2	-.539	9
3	N17	m... 1698.939	10	1823.458	19	1848.709	1	1.99	13	1.694	5	3.733	16
4		m... -1696.684	4	443.57	64	-1954.01	7	.136	7	-1.627	11	.739	10
5	N27	m... 1436.009	10	1601.794	24	1843.102	1	2.143	13	1.506	12	-.791	66
6		m... -1468.738	4	403.119	72	-1797.087	7	.375	7	-1.456	6	-3.261	22
7	N134	m... 62.458	10	1387.454	13	-874.546	70	0	75	0	4	0	10
8		m... -62.431	4	340.586	70	-3551.929	13	0	1	0	10	0	4
9	N136	m... -740.175	66	1399.131	21	1791.668	21	0	6	0	48	0	48
10		m... -3103.644	21	333.291	66	427.334	66	-.001	48	0	6	0	6
11	N137	m... 3362.417	17	1508.564	17	1941.56	17	0	8	0	8	0	8
12		m... 806.612	74	361.465	74	465.709	74	0	2	0	2	0	2
13	Totals:	m... 4783.55	10	9434.923	18	4650.81	1						
14		m... -4783.55	4	2373.551	75	-4650.804	7						

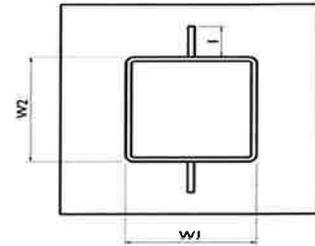
**Envelope AISC 15th(360-16): LRFD Steel Code Checks**

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn .....	Eqn	
1	M1	L3X3X5	.464	2.771	47	.130	7	z	35	19170...	57672	2.015	4.396	...H2-1
2	M2	L3X3X5	.238	0	14	.034	...	z	18	41471...	57672	2.015	4.572	...H2-1
3	M3	L3X3X5	.131	3.667	18	.016	3..	z	14	17649...	57672	2.015	4.294	...H2-1
4	M4	L3X3X5	.241	3.845	24	.040	2..	z	43	41471...	57672	2.015	4.572	...H2-1
5	M5	HSS4...	.241	0	18	.077	0	z	9	16903...	169740	19.285	19.285	...H1-...
6	M8	HSS4...	.158	0	16	.057	0	y	17	11990...	121302	16.25	16.25	...H1-...
7	M9	L3X3X5	.380	0	15	.120	7	z	15	19170...	57672	2.015	2.99	1 H2-1
8	M10	L3X3X5	.214	0	22	.031	...	z	14	41471...	57672	2.015	4.572	...H2-1
9	M11	L3X3X5	.132	3.667	17	.016	3..	z	18	17649...	57672	2.015	4.316	...H2-1
10	M12	L3X3X5	.263	3.845	20	.037	2..	z	19	41471...	57672	2.015	4.572	...H2-1
11	M13	HSS4...	.247	0	17	.084	0	z	5	16903...	169740	19.285	19.285	...H1-...
12	M16	HSS4...	.162	0	18	.058	0	y	24	11990...	121302	16.25	16.25	...H1-...
13	M17	L3X3X5	.346	14	22	.079	7	z	19	19170...	57672	2.015	2.99	1 H2-1
14	M18	L3X3X5	.220	0	18	.035	...	z	42	41471...	57672	2.015	4.572	...H2-1
15	M19	L3X3X5	.124	3.667	24	.016	3..	z	14	17649...	57672	2.015	4.314	...H2-1
16	M20	L3X3X5	.236	3.845	16	.034	2..	z	15	41471...	57672	2.015	4.572	...H2-1
17	M21	HSS4...	.223	0	24	.067	0	z	1	16903...	169740	19.285	19.285	...H1-...
18	M24	HSS4...	.154	0	14	.055	0	y	21	11990...	121302	16.25	16.25	...H1-...
19	MP1A	PIPE ...	.216	2.875	6	.066	...		15	20866...	32130	1.872	1.872	...H1-...
20	MP2A	PIPE ...	.088	2.875	3	.055	1..		6	20866...	32130	1.872	1.872	...H1-...
21	MP3A	PIPE ...	.387	2.875	1	.066	2..		2	20866...	32130	1.872	1.872	...H1-...
22	MP4A	PIPE ...	.192	2.875	23	.049	2..		8	20866...	32130	1.872	1.872	...H1-...
23	MP1C	PIPE ...	.186	2.875	23	.038	1..		12	20866...	32130	1.872	1.872	...H1-...
24	MP2C	PIPE ...	.088	2.875	11	.052	1..		14	20866...	32130	1.872	1.872	...H1-...
25	MP3CA	PIPE ...	.255	2.875	11	.106	2..		11	20866...	32130	1.872	1.872	...H1-...
26	MP4CA	PIPE ...	.235	2.875	18	.093	...		24	20866...	32130	1.872	1.872	...H1-...
27	MP1B	PIPE ...	.248	2.875	5	.062	...		7	20866...	32130	1.872	1.872	...H1-...
28	MP2B	PIPE ...	.079	2.875	1	.046	...		4	20866...	32130	1.872	1.872	...H1-...
29	MP3B	PIPE ...	.373	2.875	5	.064	2..		11	20866...	32130	1.872	1.872	...H1-...
30	MP4B	PIPE ...	.214	2.875	15	.045	2..		24	20866...	32130	1.872	1.872	...H1-...
31	MP3C	PIPE ...	.099	5	11	.049	1		3	20866...	32130	1.872	1.872	...H1-...
32	M61	PIPE ...	.082	6.188	42	.046	1..		6	12481...	50715	3.596	3.596	1 H1-...
33	M66	PIPE ...	.101	6.188	14	.057	1..		14	12481...	50715	3.596	3.596	1 H1-...
34	M71	PIPE ...	.068	10.125	12	.040	2..		24	12481...	50715	3.596	3.596	1 H1-...
35	M82	L3X3X4	.120	2.178	7	.060	2..	y	44	42001...	46656	1.688	3.756	...H2-1
36	M83	L3X3X4	.157	2.178	15	.034	2..	y	15	42001...	46656	1.688	3.756	...H2-1
37	M84	L3X3X4	.092	0	15	.029	0	y	16	42001...	46656	1.688	3.756	...H2-1
38	M86	LL3x3...	.083	6.281	13	.004	0	y	16	46017...	70632	6.362	3.751	1 H1-...
39	M88	LL3x3...	.084	6.281	21	.007	0	y	48	46017...	70632	6.362	3.751	1 H1-...
40	M90	LL3x3...	.091	6.281	17	.005	0	y	20	46017...	70632	6.362	3.751	1 H1-...
41	MP4C	PIPE ...	.075	1	5	.034	1		3	20866...	32130	1.872	1.872	...H1-...
42	M95	PIPE ...	.158	3	7	.016	3		7	26521...	32130	1.872	1.872	1 H1-...
43	M97	PIPE ...	.158	3	1	.016	3		1	26521...	32130	1.872	1.872	...H1-...
44	M99	PIPE ...	.021	3	12	.003	3		12	26521...	32130	1.872	1.872	...H1-...

Tower Connection Weld Checks

Weld Shape:  
Weld Stiffener Configuration:  
Stiffener Notch Present?  
Stiffener Length, l (in):  
Stiffener Spacing/Width, s (in):  
Stiffener Notch Length, n (in):  
Weld Size (1/16 in):  
W1 (in):  
W2 (in):  
Weld Total Length (in):  
 $Z_x$  (in<sup>3</sup>/in):  
 $Z_y$  (in<sup>3</sup>/in):  
 $J_p$  (in<sup>4</sup>/in):  
 $c_x$  (in)  
 $c_y$  (in)  
Required combined strength (kip/in):  
Weld Capacity (kip/in):  
Weld Utilization:

Yes
Rectangle
(1) Stiffener on top/bottom
Yes
3
0.25
5
4
4
28.00
59.62
21.33
286.33
5.25
5.25
1.00
6.96
<b>14.3%</b>





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

## Post-Modification Antenna Mount Analysis Report and PMI Requirements

Mount Fix

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

June 9, 2023

### Site Information

Site ID: 5000383112-VZW / BLOOMFIELD 3 CT  
Site Name: BLOOMFIELD 3 CT  
Carrier Name: Verizon Wireless  
Address: 785 New Park Ave  
Bloomfield, Connecticut 06002  
Hartford County  
Latitude: 41.828486°  
Longitude: -72.733233°

### Structure Information

Tower Type: 137-Ft Monopole  
Mount Type: 14.00-Ft Platform

FUZE ID # 16272375

### Analysis Results

Platform: 45.7% Pass w/ Modifications\*

**\*Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

### \*\*\*Contractor PMI Requirements:

Included at the end of this MA report  
Available & Submitted via portal at <https://pmi.vzwsmart.com>  
For additional questions and support, please reach out to:  
[pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)

Report Prepared By: Vincent DiGirolamo



### **Executive Summary:**

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

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

### **Sources of Information:**

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

### **Analysis Criteria:**

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

**Final Loading Configuration:**

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

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

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

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

Model Number	Ports	AKA
RC3DC-4750-PF-48	6	OVP-6
RHSDC-6627-PF-48	12	OVP-12

**Standard Conditions:**

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

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

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.
6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
  - o Channel, Solid Round, Angle, Plate      ASTM A36 (Gr. 36)
  - o HSS (Rectangular)                              ASTM 500 (Gr. B-46)
  - o Pipe    ASTM A53 (Gr. B-35)
  - o Threaded Rod                                        F1554 (Gr. 36)
  - o Bolts    ASTM A325
8. Any mount modifications listed under Sources of Information are assumed to have been installed per the design specifications.

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

**Analysis Results:**

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

<b>Structure Rating – (Controlling Utilization of all Components)</b>	<b>45.7%</b>
---	--------------

**Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:**

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	37.6	37.6	52.6	52.6
0.5	47.3	47.3	68.5	68.5
1	56.2	56.2	83.7	83.7

Notes:

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

**Requirements:**

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

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

**Attachments:**

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

# Mount Desktop – Post Modification Inspection (PMI) Report Requirements

## Documents & Photos Required from Contractor – Mount Modification

Electronic pdf version of this can be downloaded at <https://pmi.vzwsmart.com>

For additional questions and support, please reach out to [pmisupport@colliersengineering.com](mailto:pmisupport@colliersengineering.com)

---

PSLC #: 5000383112

SMART Project #: 10203517

Fuze Project ID: 16272375

**Purpose** – to upload the proper documentation to the SMART Tool in order to allow the SMART Tool engineering vendor to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the modification was completed in accordance with the modification drawings.
- Contractor shall relay any data that can impact the performance of the mount or the mount modification, this includes safety issues.

### **Base Requirements:**

- If installation of the modification will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide “as built drawings” showing contractor’s name, preparer’s signature, and date. Any deviations from the drawings (proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the post-modification passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo shall be time and date stamped.
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: <https://pmi.vzwsmart.com>

### **Photo Requirements:**

- Photos taken at ground level
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation of the modifications.
  - Photos of the mount after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed
- Photos taken at Mount Elevation
  - Photos showing the safety climb wire rope above and below the mount prior to modification.
  - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation of modifications. Each entire sector must be in one photo to show the interconnection of members.
  - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.
- Photos of each installed modification per the modification drawings; pictures shall also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
- Photos showing the distances (relative distance between collars) of the installed modifications from the appropriate reference locations shown in the modification drawings.
- Photos showing the installed modifications onto the tower (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, an elevation measurement shall be provided before the elevation change.

#### **Material Certification:**

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

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

The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

#### **Antenna & Equipment Placement and Geometry Confirmation:**

The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

- The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

**Comments:**

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

- Yes       No

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

**Issue:**

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

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

**Response:**

**Special Instruction Confirmation:**

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

**Comments:**

**Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:**

- Yes       No

**Contractor certifies no new damage created during the current installation:**

- Yes       No

**Contractor to certify the condition of the safety climb and verify no damage when leaving the site:**

- Safety Climb in Good Condition       Safety Climb Damaged

**Comments:**

--

**Certifying Individual:**

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

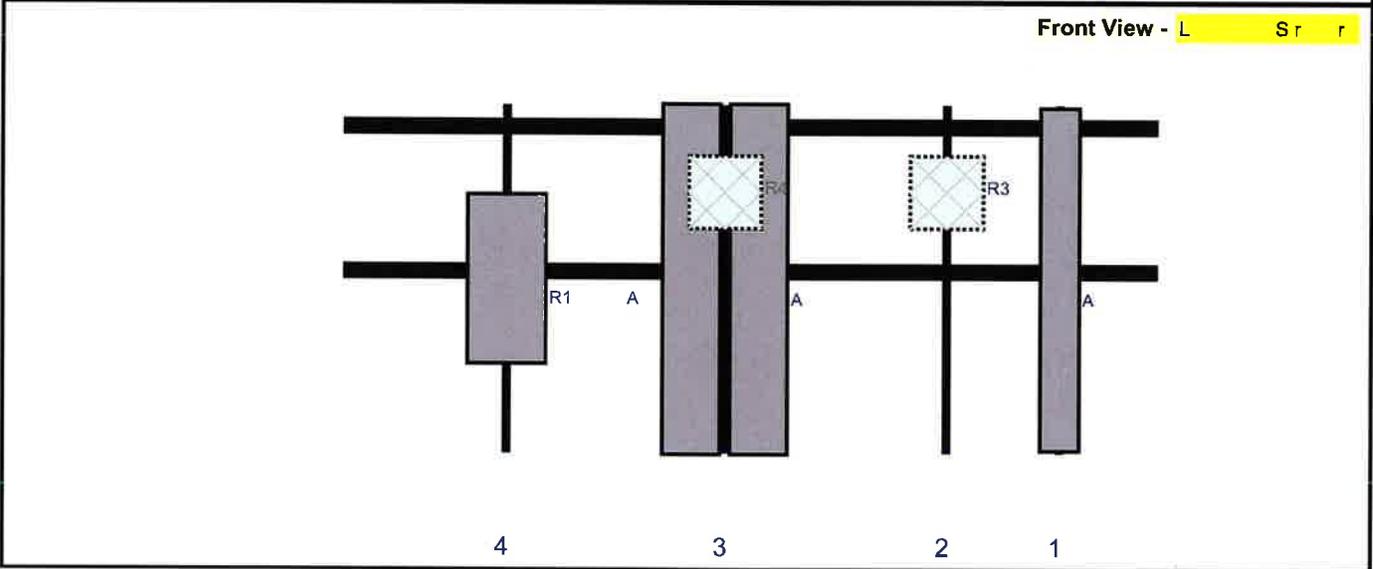
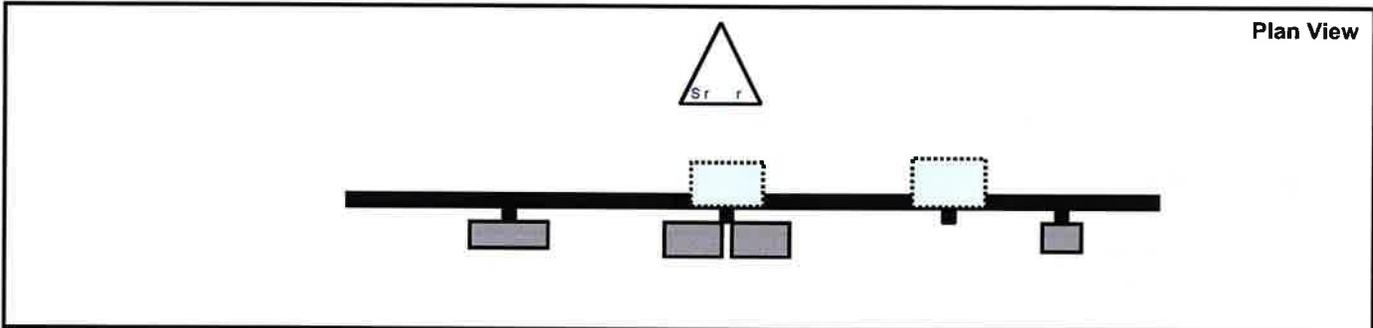
Structure: 5000383112-VZW - BLOOMFIELD 3 CT

S r A  
 Sr r T M  
 M E 1 5.

2 23

1 2 351

P 1



R	M	d	d	D	P	P	A	A	A	S	d
			r	L		P	P	r	T.	O	
A	B	A	ED	2	1	14	5	1	r	3	R d 1 24 2 21
R3	R	443	d	25A	15	15	124.5	2	B	d	1 Add d
A	SB	1D	5B		2.	11.	6	3	r	3	R d 1 24 2 21
A	SB	1D	5B		2.	11.	5	3	r	3	R d 1 24 2 21
R4	R	444	d	13A	15	15	5	3	B	d	1 Add d
R1	MT	4	A		35.1	1	1	33.5	4	r	3 Add d

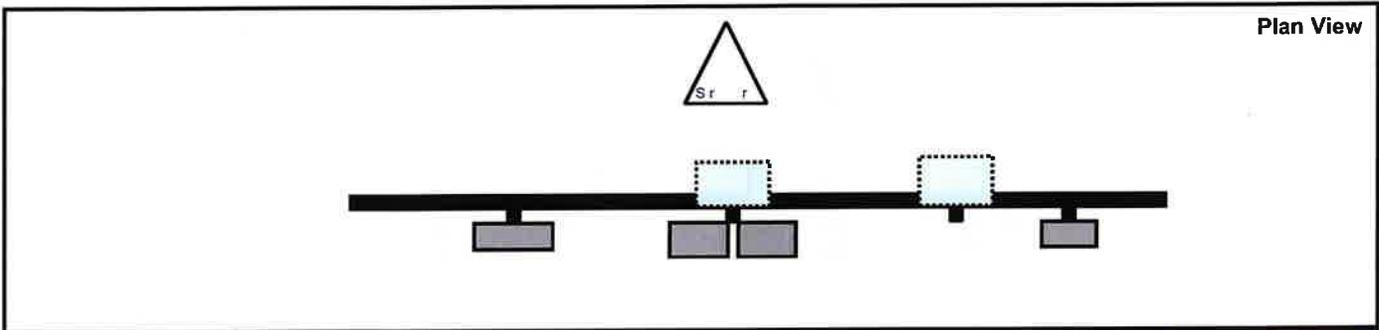
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S r B  
 S r T M  
 M E 15.

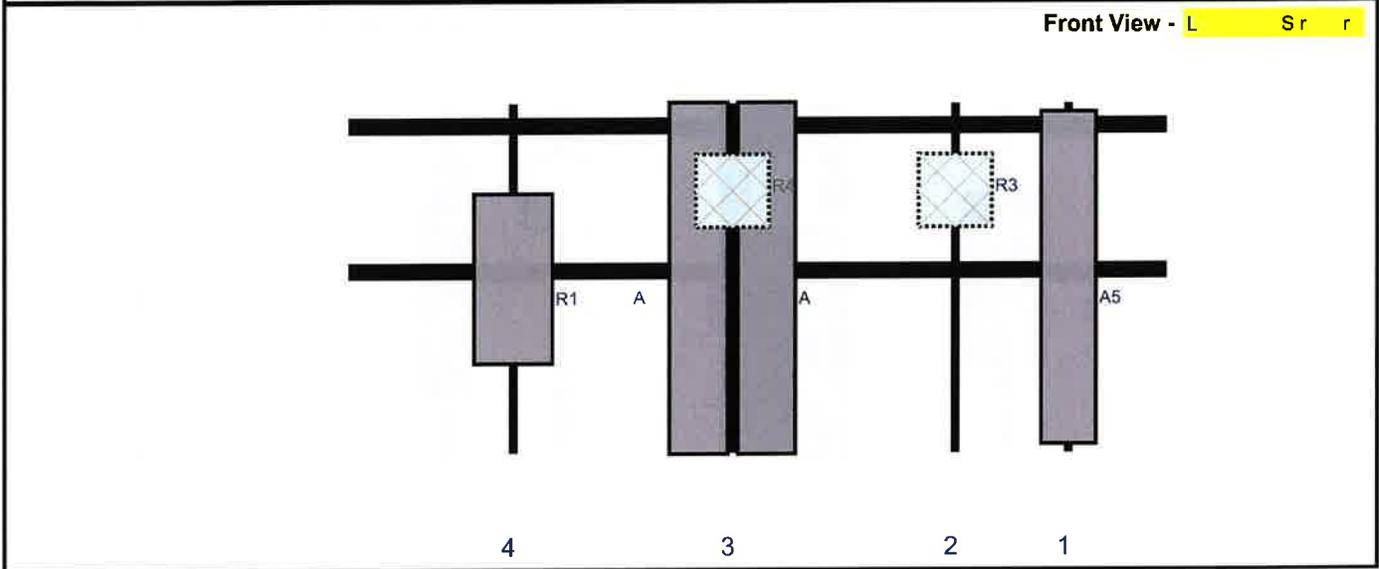
1 2 351

2 23

P 2



Plan View



Front View - L S r r

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

Structure: 5000383112-VZW - BLOOMFIELD 3 CT

S r C

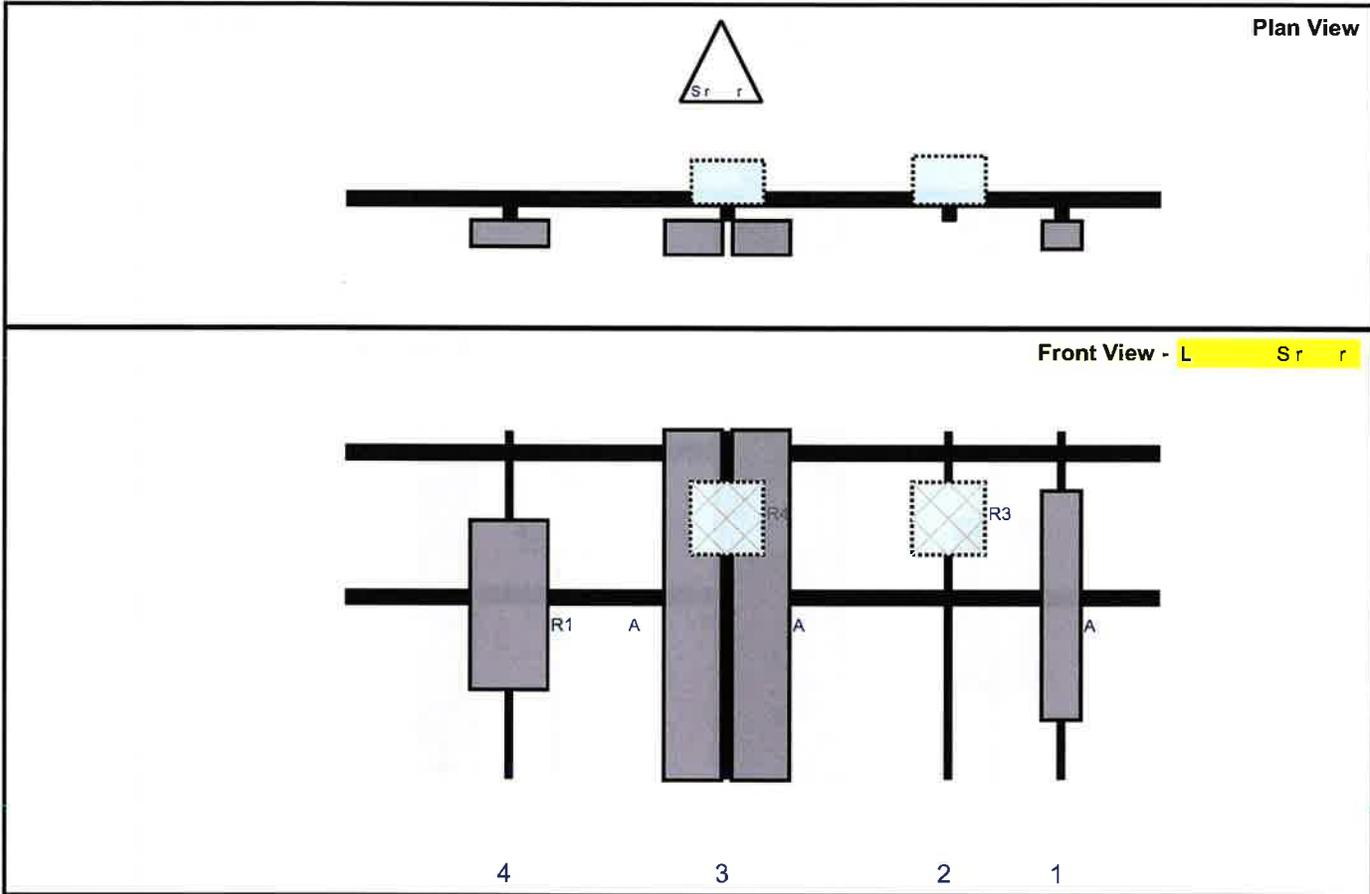
2 23

Sr r T M

1 2 351

M E 1 5.

P 3



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



**MOUNT MODIFICATION DRAWINGS  
EXISTING 14.00' PLATFORM**

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

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

**785 NEW PARK AVE  
BLOOMFIELD, CT 06002  
HARTFORD COUNTY**

**LATITUDE: 41.828486° N  
LONGITUDE: 72.733233° W**



Engineering & Design  
www.colliersengineering.com  
1000 State Street, Suite 200, Bloomfield, CT 06002  
860.252.2200  
860.252.2200  
860.252.2200



CONTRACTOR  
MASER



FOR ALL SHOWN EXCEPT 21172224

NO.	DATE	DESCRIPTION	BY	CHK
1	08/23/2023	ISSUED FOR PERMIT	PK	PK
2	08/23/2023	ISSUED FOR PERMIT	PK	PK
3	08/23/2023	ISSUED FOR PERMIT	PK	PK
4	08/23/2023	ISSUED FOR PERMIT	PK	PK

SHEET INDEX	
SHEET	DESCRIPTION
ST-1	TITLE SHEET
SB004	BILL OF MATERIALS
SB004	GENERAL NOTES
SB004	CLIMBING FACILITY DETAIL
SB004	MODIFICATION DETAILS
SB004	MOUNT PHOTOS
SB004	SPECIFICATION SHEETS

PROJECT INFORMATION	
APPLICANT/LESSEE	VERIZON WIRELESS
COMPANY	VERIZON WIRELESS
CLIENT REPRESENTATIVE	PETER ALBANO
COMPANY	VERIZON WIRELESS
PROJECT MANAGER	PETER ALBANO@COLLIERSENGINEERING.COM
CONTACT	PETER ALBANO
PHONE	860.252.2200
EMAIL	PETER.ALBANO@COLLIERSENGINEERING.COM
CONTRACTOR PMI REQUIREMENTS	
PMI LOCATION	1000 STATE STREET, SUITE 200, BLOOMFIELD, CT 06002
SMART TOOL PROJECT #	1000317
VAN LOCATION CODE (PLC)	5000383112
ANALYSIS DATE	6/9/2023
PMI REQUIREMENTS FURNISHED WITHIN MOUNT MODIFICATION REPORT	

DESIGN CRITERIA	
WIND LOADS	BASIC WIND SPEED (3 SECOND GUST), V = 100 MPH
EXPOSURE CATEGORY C	TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (MSL)	= 118.67
ICE LOADS	ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS	= 1.50 IN
SEISMIC LOADS	SEISMIC DESIGN CATEGORY B
SHORT TERM MCR GROUND MOTION, S <sub>1</sub>	= 0.181
LONG TERM MCR GROUND MOTION, S <sub>2</sub>	= 0.065

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NOT TO SCALE DRAWINGS FOR CONSTRUCTION

**BILL OF MATERIALS**

**SECTION 1 - VZWSMART KITS**

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS)	WEIGHT (LBS)
3		VZWSMART-PLK3	SUPPORT RAIL CORNER BRACKET		30	90
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SSM-1.	291	291
1		VZWSMART-PLK7	HONOROLE COLLAR MOUNT ASSEMBLY		150	150
2		VZWSMART-HSK3D	PIPE TO PIPE CLAMPS		42	84
2	VZWSMART	VZWSMART-P40-23BX072	72" LONG, PIPE 2 STD (2.375" OD X 0.154" THK)		22	44
12		VZWSMART-HSK1	CROSSOVER PLATE		14	168
3		VZWSMART-HSK6	BACK TO BACK CROSSOVER PLATE		34	102
3		VZWSMART-P40-23BX048	48" LONG, PIPE 2 SCH40 (2.375" OD X 0.154" THK)		15	45

**SECTION 2 - OTHER REQUIRED PARTS**

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS)	WEIGHT (LBS)
3		*	1/2" LONG, P2 1/2 STD PIPE	GALVANIZED.	79	237
3		*	30" LONG, 1.315x1/4 ANGLE	GALVANIZED. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SSM-1.	13	39
6		*	6" LONG, HSB3x3x1/4 SHIM	GALVANIZED.	5	30
<b>TOTAL:</b>						<b>1580</b>



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SECURITY SCHEDULE  
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FORM	AS SHOWN	BY	DATE
1	AS SHOWN	BY	DATE
2	AS SHOWN	BY	DATE
3	AS SHOWN	BY	DATE
4	AS SHOWN	BY	DATE
5	AS SHOWN	BY	DATE

COLLIERVILLE - GARDENING & DISCOVERY  
 10000 N. STATE ST. SUITE 100  
 BLOOMFIELD, CT 06002

**SITE NAME:**  
 BLOOMFIELD 3 CT  
 5000383112  
 785 NEW PARK AVE  
 BLOOMFIELD, CT 06002  
 HARTFORD COUNTY

811  
 Callitern Engineering & Design  
 10000 N. STATE ST. SUITE 100  
 BLOOMFIELD, CT 06002

**BILL OF MATERIALS**

**SBOM-1**

**VZWSMART KITS - APPROVED VENDORS**

<b>CONTACT</b>	<b>COMMSCOPE</b>
SALVADOR ANGLUANO (817) 304-7497 SALVADOR.ANGLUANO@COMMSCOPE.COM WWW.COMMSCOPE.COM	
<b>CONTACT</b>	<b>METROSITE FABRICATORS, LLC</b>
KENT RAHEF (796) 335-7046 (O), (796) 992-9788 (M) KENT@METROSITELLC.COM METROSITEFABRICATORS.COM	
<b>CONTACT</b>	<b>PERFECTVISION</b>
WIRELESS SALES (841) 967-9723 WWW.PERFECTVISION.COM WWW.SALES@PERFECTVISION.COM	
<b>CONTACT</b>	<b>SABRE INDUSTRIES, INC.</b>
ANGIE WELCH (666) 428-9377 AKWELCH@SABREINDUSTRIES.COM WWW.SABREINDUSTRIES.COM	
<b>CONTACT</b>	<b>SITE PRO 1</b>
PAULA BOSWELL (972) 236-9840 PAULA.BOSWELL@VALMONT.COM WWW.SITEROI.COM	

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

**PROJECT NOTES**

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS, AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER REGULATING AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND APPROVALS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IN WRITING OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BID OR PERFORMANCE OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES THAT ARE NOT TO BE REMOVED. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF THE CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL NECESSARY MATERIALS AND LABOR FOR THE CONSTRUCTION OF THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 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.
- 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 BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUT DOWN PRIOR TO PERFORMING ANY WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL NEARBY RESIDENTS AND BUSINESS OPERATIONS THAT ARE REQUIRED TO BE WARNED TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
- NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

- 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.
- CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO EXISTING UTILITIES AND STRUCTURES AS A RESULT OF THE CONTRACTOR'S WORK OR FROM DAMAGE DUE TO OTHER CAUSES THAT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE BEGINNING WORK. ORDERING MATERIAL AND PREPARING OF SHOP DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. 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, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER IMMEDIATELY OF THE MODIFICATIONS. NOTIFY THE ENGINEER IMMEDIATELY.
- IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK PERFORMED ON THIS FACILITY WILL BE ACCOMPANIED BY AN KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, TECHNIQUES, SEQUENCES, AND PROCEDURES.
- ALL CONSTRUCTION MEANS AND METHODS INCLUDING BUT NOT LIMITED TO THE ORDERING OF MATERIALS, THE INSTALLATION OF THE STRUCTURE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ANSITIA-332 (LATEST EDITION), OSHA, AND GENERAL INDUSTRY PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
- WORK SHALL ONLY BE REPERFORMED DURING CALM DRY DAYS (WINDS LESS THAN 15 MPH) AND THE STRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH THE DRAWINGS FOUND 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, BRACING AND STABILIZATION FOR ALL STRUCTURAL MEMBERS UNTIL THE STRUCTURE IS FULLY COMPLETED. HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL MEMBERS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
- ALL INSTALLATION SHALL BE ON THE STRUCTURE SHALL BE CONSIDERED FOR INSTALLATION, ALTERATION AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS. ANSITIA 332.
- CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL FENCE, STONE, GEO-FABRIC, GROUNDING, AND OTHER ITEMS SHALL BE REINSTALLED TO ORIGINAL CONDITION. APPROVAL FOR TOWER SITE SHALL BE MAINTAINED.
- CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE ARE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT, SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- DO NOT SCALE DRAWINGS.
- DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- 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 STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
- THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

- 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
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:
  - CHANNELS, ANGLE, PLATE, ETC. ASTM A36 (GR. 36)
  - STEEL PIPE ASTM A53 (GR. 36)
  - BOLTS ASTM A325
  - NUTS ASTM A325
  - LOCK WASHERS ASTM A563
  - LOCKING STRUCTURAL GRADE
- ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE NECESSARY DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTION IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND MODIFICATION, SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
- PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
  - 3. SUBMIT SHOP DRAWINGS TO:
    - PETER ALBANO@COLLIERENGINEERING.COM
  - 4. PROVIDE WELDER CONSULTING PROJECT # AND MASTER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE E-MAIL APPROVAL OF THE ENGINEER OF RECORD.
- DRILL NO HOLE IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REBRED.
- ALL NEW STEEL SHALL BE HOT 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.
- CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGAR OR ZINC COTE).
- ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING SHALL BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
- 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 FOR MEMBERS BEING REPLACED. PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, BRACING AND STABILIZATION FOR ALL STRUCTURAL MEMBERS UNTIL THE STRUCTURE IS FULLY COMPLETED. HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL MEMBERS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
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- DO NOT SCALE DRAWINGS.
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  - STEEL PIPE ASTM A53 (GR. 36)
  - BOLTS ASTM A325
  - NUTS ASTM A325
  - LOCK WASHERS ASTM A563
  - LOCKING STRUCTURAL GRADE
- ALL SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE NECESSARY DOCUMENTATION TO ENGINEER FOR VERIFYING THE SUBSTITUTION IS SUITABLE FOR USE AND MEETS ORIGINAL DESIGN CRITERIA. DIFFERENCES FROM THE ORIGINAL DESIGN, INCLUDING MAINTENANCE, REPAIR AND MODIFICATION, SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ADDITIONAL DOCUMENTATION AND/OR SPECIFICATIONS TO THE ENGINEER AS REQUESTED.
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  - 4. PROVIDE WELDER CONSULTING PROJECT # AND MASTER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE E-MAIL APPROVAL OF THE ENGINEER OF RECORD.
  - DRILL NO HOLE IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
  - GALVANIZED ASTM A325 BOLTS SHALL NOT BE REBRED.
  - ALL NEW STEEL SHALL BE HOT 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.
  - CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGAR OR ZINC COTE).
  - ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING SHALL BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
  - 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 FOR MEMBERS BEING REPLACED. PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

- ALL PROPOSED AND/OR REPLACED BOLTS SHALL BE OF SUFFICIENT LENGTH SUCH THAT THE END OF THE BOLTS IS AT LEAST FLUSH WITH THE FACE OF THE MEMBER AND TO BE BELOW THE FACE OF THE MEMBER AFTER TIGHTENING IS COMPLETED.
- GALVANIZED ASTM A325 BOLTS SHALL NOT BE REBRED.
- ALL EXISTING PAINTED SURFACES SHALL BE PROTECTED BY APPLYING AN EPOXY PRIMER TO ALL EXISTING SURFACES THAT WILL BE WELDED. CLEAN, REPAIRED BY COLD GALVANIZING (ZINGAR OR ZINC COTE), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
- ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

- WELDING NOTES**
- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.1 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELDER INSPECTOR (CWI) FOR ACCEPTANCE OF WELDING. ALL WELDS SHALL BE WELDED IN ACCORDANCE WITH THE WELDING PROCEDURE SPECIFICATION (WPS) OUTLINE OF WORK (UW).
  - CONTRACTOR IS RESPONSIBLE FOR COMPLETING A THIRD PARTY CERTIFIED WELDER INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A WRITING CWP REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
  - THE CERTIFIED WELDER INSPECTOR SHALL INDICATE IN A WRITTEN CWP REPORT THAT ALL WELDING OPERATIONS WERE PERFORMED IN ACCORDANCE WITH THE WELDING PROCEDURE SPECIFICATION (WPS) AND PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PHASE IN CASES WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THERE IS A GAP BETWEEN THE WELD IS TO BE BUILT UP SUCH THAT THE WELD IS EQUAL TO THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
  - OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED. SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
  - CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
  - CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS WITH ALL OSHA, ANSI/ASFP A10.46, ANSI Z99.1, AND LOCAL JURISDICTIONAL REQUIREMENTS.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT, BRACING AND STABILIZATION FOR ALL STRUCTURAL MEMBERS UNTIL THE STRUCTURE IS FULLY COMPLETED. HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL MEMBERS REQUIRED DURING CONSTRUCTION SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THEIR USE.
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- CONNECTIONS BETWEEN ITEMS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE ARE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. SUCH CONNECTIONS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT, SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- DO NOT SCALE DRAWINGS.
- DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- 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 STRENGTHS, MUST BE APPROVED BY THE OWNER AND ENGINEER IN WRITING.
- THE MOUNT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

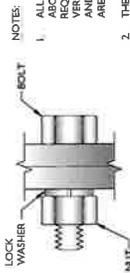
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  - b. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
  - c. AISC CODE OF STANDARD PRACTICE
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:
  - CHANNELS, ANGLE, PLATE, ETC. ASTM A36 (GR. 36)
  - STEEL PIPE ASTM A53 (GR. 36)
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  - NUTS ASTM A325
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- PROVIDE STRUCTURAL STEEL SHOP DRAWINGS TO ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
  - 3. SUBMIT SHOP DRAWINGS TO:
    - PETER ALBANO@COLLIERENGINEERING.COM
  - 4. PROVIDE WELDER CONSULTING PROJECT # AND MASTER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE E-MAIL APPROVAL OF THE ENGINEER OF RECORD.
  - DRILL NO HOLE IN ANY NEW OR EXISTING STRUCTURAL STEEL MEMBERS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
  - GALVANIZED ASTM A325 BOLTS SHALL NOT BE REBRED.
  - ALL NEW STEEL SHALL BE HOT 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.
  - CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGAR OR ZINC COTE).
  - ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING SHALL BE INSTALLED IN ACCORDANCE WITH TIA-222-H SECTION 4.9.2 REQUIREMENTS.
  - 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 FOR MEMBERS BEING REPLACED. PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

**BOLT SCHEDULE (IN.)**

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

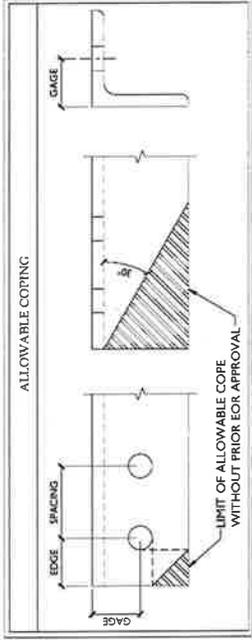
**WORKABLE GAGES (IN.)**

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:**
- ALL DIMENSIONS REPRESENTED IN THE DRAWINGS SHALL BE TO FACE UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
  - THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS SHALL BE VERIFIED BY THE CONTRACTOR FROM THE AISC MINIMUM REQUIREMENTS.
  - SLOTTED HOLES SHALL ONLY BE USED WHEN DETICED IN THE DRAWINGS.
  - MATCH EXISTING GAGES WHEN APPLICABLE UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



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**AS SHOWN**  
REVISED 21/17/24

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
1	01/17/24	ISSUED FOR PERMIT	PA	PA	PA
2	01/17/24	ISSUED FOR PERMIT	PA	PA	PA
3	01/17/24	ISSUED FOR PERMIT	PA	PA	PA
4	01/17/24	ISSUED FOR PERMIT	PA	PA	PA

**COLLIER ENGINEERING & DESIGN**  
175 WASHINGTON STREET  
BLOOMFIELD, CT 06002

**SITE NAME:**  
BLOOMFIELD 3 CT  
5000383312  
785 NEW PARK AVE  
BLOOMFIELD, CT 06002  
HARTFORD COUNTY

**MODIFICATION NOTES**  
SGN-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

**Collitem** Engineering & Design  
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100 Waverston Avenue  
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FOR THE PROPOSED WORK, MASONRY  
AND ELECTRICAL WORK

DATE: 01/11/2017  
PROJECT: 21177223

REV	DATE	DESCRIPTION	BY	CHK
1	01/11/2017	ISSUED FOR PERMIT	MS	MS
2	01/11/2017	REVISED FOR PERMIT	MS	MS
3	01/11/2017	REVISED FOR PERMIT	MS	MS

COLLITEM ENGINEERING DESIGN, C.T.P.C.  
C.T. POZZI

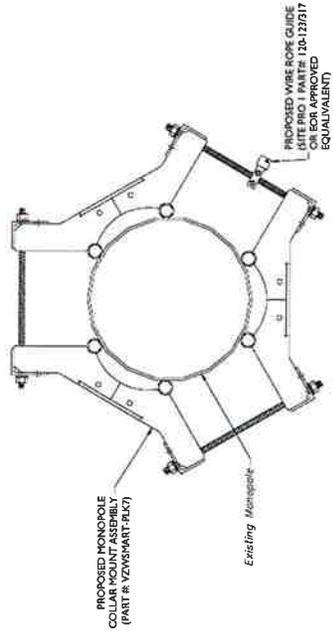
THIS ACADEMIC, LAW OR ANY PERSON,  
FIRM OR CORPORATION SHALL BE RESPONSIBLE  
FOR THE ACCURACY OF THE INFORMATION  
CONTAINED HEREIN. THE USER SHALL BE  
RESPONSIBLE TO ALTER THIS DOCUMENT.

**SITE NAME:**  
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500038312  
765 NEW PARK AVE  
BLOOMFIELD, CT 06002  
HARTFORD COUNTY

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CLIMBING FACILITY DETAIL  
SCF-1

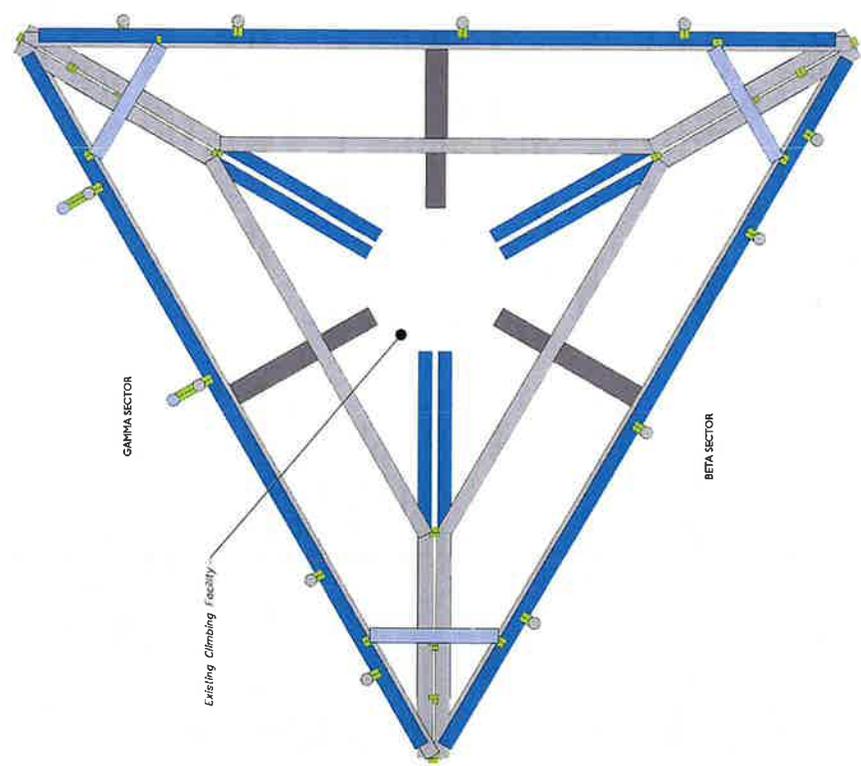
NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



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



CLIMBING FACILITY PHOTO



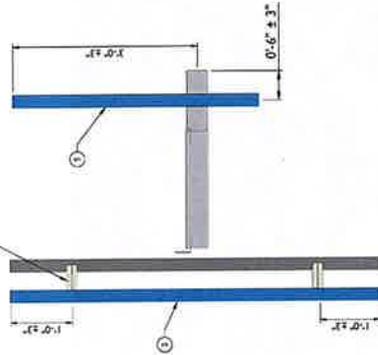
1 CLIMBING FACILITY LOCATION  
SCALE: N.T.S.

- STRUCTURAL NOTES:**
- PER THE MOUNT MAPPING COMPLETED BY RKS DESIGN & ENGINEERING, LLC ON 10/24/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (104'-0") ARE IN GOOD CONDITION. MASER CONSULTING DOES NOT WARRANT THIS INFORMATION.
  - 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.

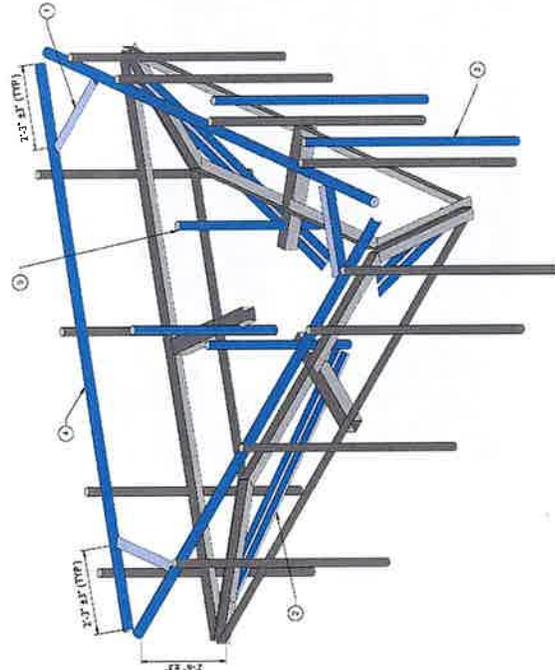
**LEGEND:**

- PROPOSED
- RELOCATED
- EXISTING

PROPOSED PIPE TO PIPE CLAMPS  
(VZWSMART-HSK3D)



**1** PROPOSED PIPE TO PIPE CLAMP DETAIL  
SCALE: N.T.S.



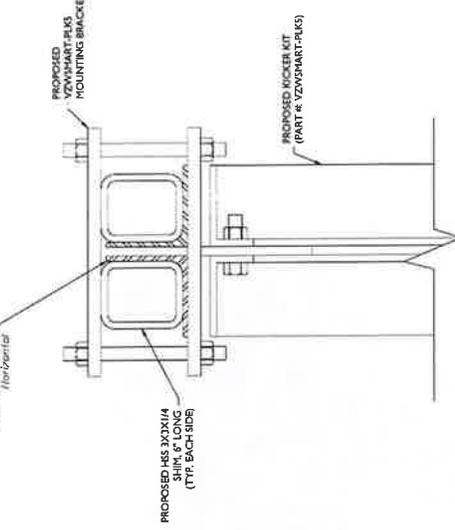
**2** PROPOSED ISOMETRIC VIEW  
SCALE: N.T.S.

**MOUNT MODIFICATION SCHEDULE**

NO.	ELEVATION	QUANTITY	DESCRIPTION	NOTES
1		3	PROPOSED SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) WITH PROPOSED L3X3X1/4 ANGLE	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SS-1. CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS. (4) BOLTS PER CONNECTION.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SS-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). CONNECT KICKER KIT TO THE PLATFORM ANGLES USING 6" LONG, HSS3x3x1/4 SHIM. REFER TO DETAIL 4 ON SHEET SS-1.
3	105'-0"	2	PROPOSED 72" LONG, P2 STD. (PART #: VZWSMART-P40-238X072) (VZWSMART-HSK3D). REFER TO DETAIL 1 ON SHEET SS-1.	CONNECT NEW MOUNT PIPE TO THE EXISTING MOUNT PIPES IN POSITION 3 AND 4 ON GAMMA SECTOR WITH PROPOSED PIPE TO PIPE CLAMPS (VZWSMART-HSK3D). REFER TO DETAIL 1 ON SHEET SS-1.
4		3	30" LONG, L3x3x1/4 ANGLE	RADIO AND/OR THE POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL, AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-HSK1).
5		3	48" LONG, PIPE 2 SCH40	CONNECT NEW OVP PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-HSK6).

**NOTES:**

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



**3** PROPOSED SIDE ELEVATION VIEW (TYP. ALL SECTORS)  
SCALE: N.T.S.



**4** KICKER TO STANDOFF CONNECTION DETAIL  
SCALE: N.T.S.

**Collins Engineering & Design**  
www.collinsengineering.com  
1000 West 10th Street, Suite 1000, Bloomfield, CT 06002  
Tel: 860.241.1111 Fax: 860.241.1112

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811  
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DATE	DESCRIPTION
11/17/2024	ISSUED FOR PERMIT

COLLINS ENGINEERING & DESIGN, LLC  
1000 WEST 10TH STREET, SUITE 1000  
BLOOMFIELD, CT 06002  
TEL: 860.241.1111 FAX: 860.241.1112

**SITE NAME:**  
BLOOMFIELD 3 CT  
5000383112  
785 NEW PARK AVE  
BLOOMFIELD, CT 06002  
HARTFORD COUNTY

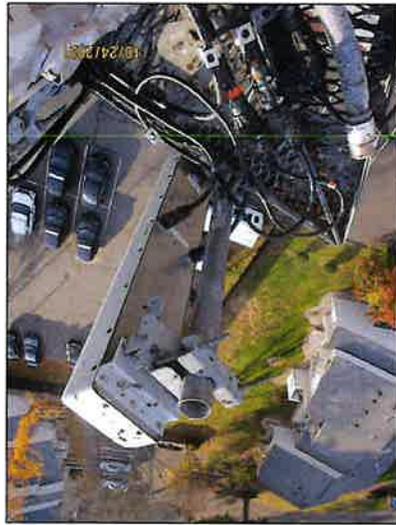
**MODIFICATION DETAILS**  
SS-1



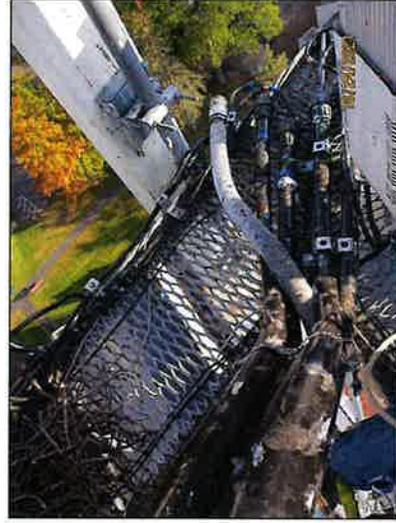
MOUNT PHOTO 1



MOUNT PHOTO 2



MOUNT PHOTO 3



MOUNT PHOTO 4

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 PROFESSIONAL ENGINEER  
 CIVIL ENGINEER

NO.	DATE	DESCRIPTION	BY	CHKD.	APPV.
1	10/20/11	ISSUED FOR PERMIT	SM	SM	SM
2	11/02/11	ISSUED FOR PERMIT	SM	SM	SM
3	11/02/11	ISSUED FOR PERMIT	SM	SM	SM
4	11/02/11	ISSUED FOR PERMIT	SM	SM	SM
5	11/02/11	ISSUED FOR PERMIT	SM	SM	SM

DESIGNED BY: [Name] & ASSOCIATES, P.C.  
 1000 WEST 10TH AVENUE, SUITE 100  
 DENVER, CO 80202

**SITE NAME:**  
 BLOOMFIELD 3 CT  
 5000383112  
 785 NEW PARK AVE  
 BLOOMFIELD, CT 06002  
 HARTFORD COUNTY

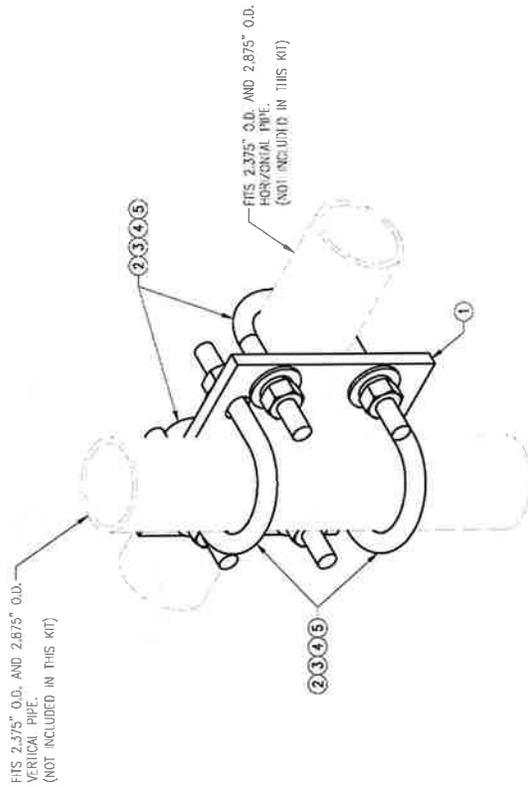
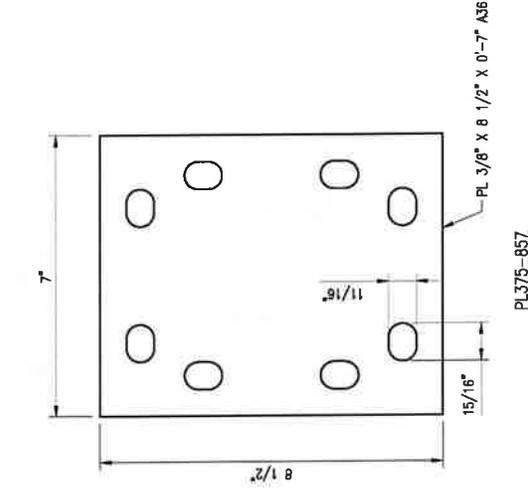
**Colliers** Engineering & Design  
 1000 WEST 10TH AVENUE, SUITE 100  
 DENVER, CO 80202

**MOUNT PHOTOS**

SS-2

DRAWN BY: HJR	CHECKED BY: HMA
REV	DESCRIPTION
BY	DATE
△ FIRST ISSUE	HJR 06/08/20
△	
△	
△	
△	

SHEET TITLE:	
VZWSMART-MSK1	0
CROSSOVER PLATE	
SHEET NUMBER:	REV #:
VZWSMART-MSK1	0



VZWSMART-MSK1 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL 375-857	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" LW X 5" LL A36 (OR EQUIV)	RBC-1	5
3	8	FW-625	5/8" HDG USS FLAT WASHER		1
4	8	LW-625	5/8" HDG LOCK WASHER		0
5	8	NUT-625	5/8" HDG HEX NUT		1
				GALVANIZED WT	14

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

VZW

SMART Tool<sup>®</sup>  
Vendor

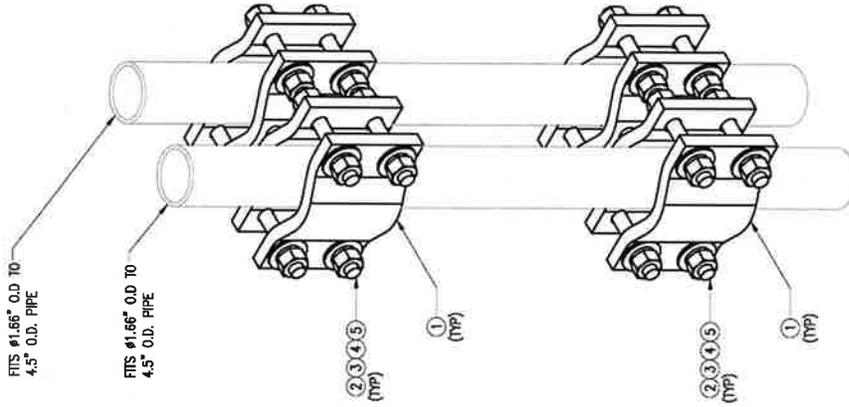
verizon

DRAWN BY: BT, CHECKED BY: HAW/ML  
REV: DESCRIPTION: DATE  
A LABEL ISSUE: BT: 06/09/20

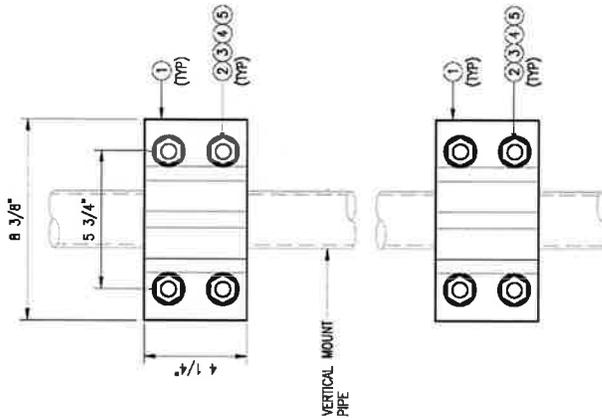
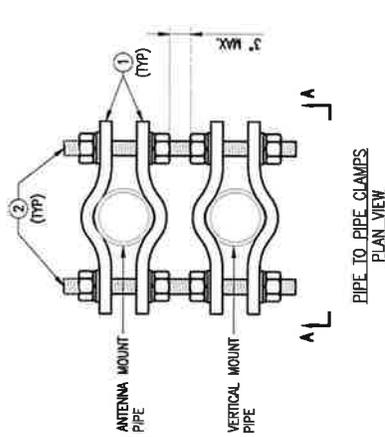
SHEET TITLE:

VZWSMART-MSK3D  
PIPE TO PIPE CLAMPS

SHEET NUMBER: 0  
REV #:  
VZWSMART-MSK3D



PIPE TO PIPE CLAMPS  
ISOMETRIC VIEW



SECTION "A-A"

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT	
1	8	V-CLAMP	PL 1/2" X 4 1/4" X 8 5/8" A36 BEND PLATE	MSK3D-T1	42	
2	8		THREADED ROD 5/8" DIA. X 1-0" F1554-36 HDG			
3	32	FW-625	5/8" HDG USS FLAT WASHER		3	
4	32	LW-625	5/8" HDG LOCK WASHER		4	
5	32	NUT-625	5/8" HDG HEX NUT		4	
					<b>GALVANIZED WT</b>	<b>42</b>

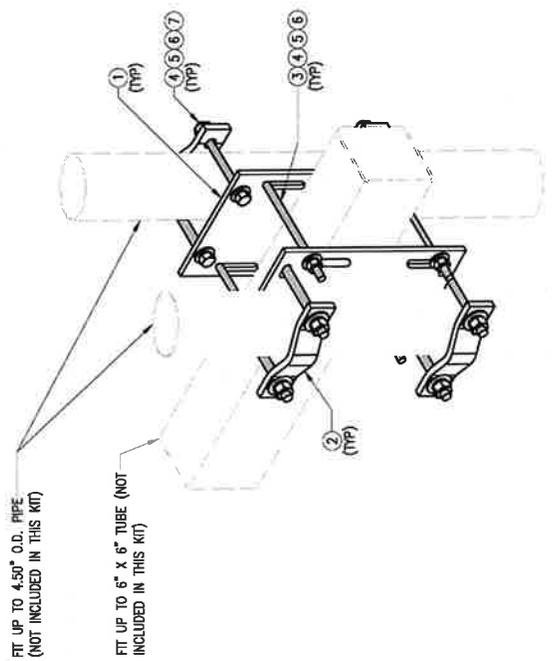
- NOTES:
1. ALL HOLES ARE 11/16" DIA. U.N.O
  2. HOT-DIPPED GALVANIZED PER ASTM A123.
  3. FIT UP TO 4.5" O.D. PIPE

DESIGNED BY: SK	CHECKED BY: BT/AV
KEY	DESCRIPTION
BY: SK	DATE: 05/08/20
DATE: 05/08/20	SK

SHEET TITLE:  
**VZWSMART-MSK6  
 BACK TO BACK  
 CROSSOVER**

SHEET NUMBER:  
**VZWSMART-MSK6**

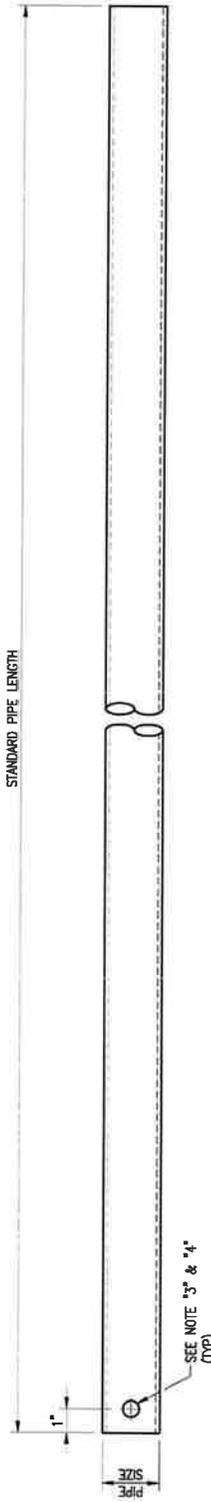
REV #:  
**0**



ISOMETRIC VIEW  
 BACK TO BACK CROSSOVER

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

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



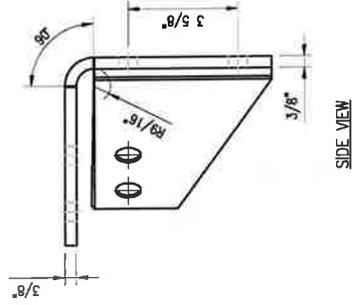
SEE NOTE 5' & 4'  
 (TYP)

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

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

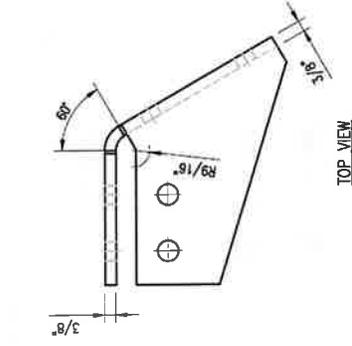
1. ALL PIPE GRADE A53-B OR BETTER.
2. HOT-DIPPED GALVANIZED PER ASTM A123.
3. ALL HOLES ARE 11/16" DIA. UNLESS OTHERWISE NOTED.
4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINCA OR ZINC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

DESIGN BY: NLR	CHECKED BY: NMA
REV: 06/06/20	BY: DALL
DATE: 06/06/20	BY: 06/06/20
REV: 06/06/20	BY: 06/06/20
REV: 06/06/20	BY: 06/06/20
REV: 06/06/20	BY: 06/06/20
REV: 06/06/20	BY: 06/06/20
REV: 06/06/20	BY: 06/06/20
SHEET TITLE: <b>VZWSMART-PLK3        SUPPORT RAIL CORNER        BRACKET</b>	
SHEET NUMBER: <b>VZWSMART-PLK3</b>	
REV F: <b>0</b>	

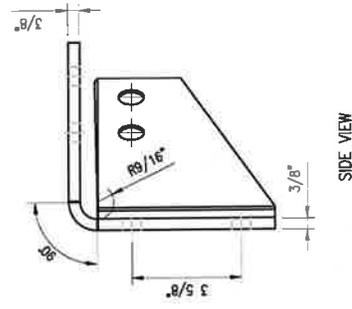


SIDE VIEW

CBP-R

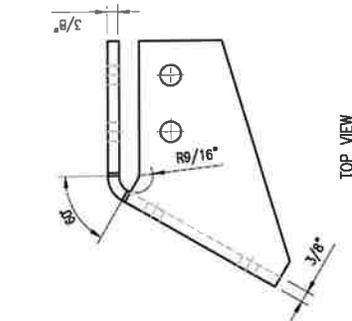


TOP VIEW



SIDE VIEW

CBP-L



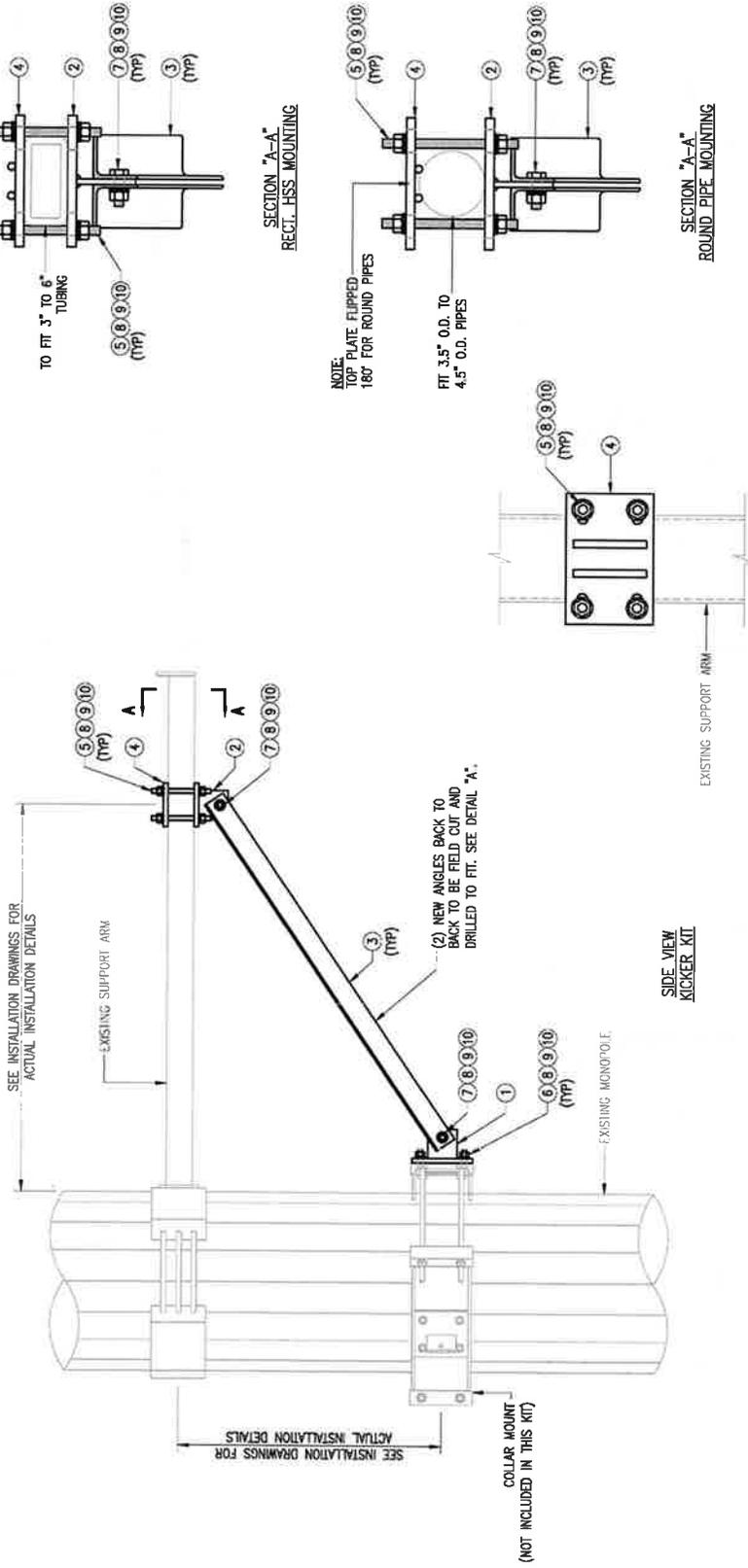
TOP VIEW

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" LW, X 5" LL, A36 (OR EQUIV.)	RBC-1	5
4	8	FW-675	BOLT 5/8" X 2" A325		3
5	16	LW-625	5/8" HDG USS FLAT WASHER		1
6	16	NUT-625	5/8" HDG LOCK WASHER		0
7	16	NUT-675	5/8" HDG HEX NUT		2
				GALVANIZED WT	30

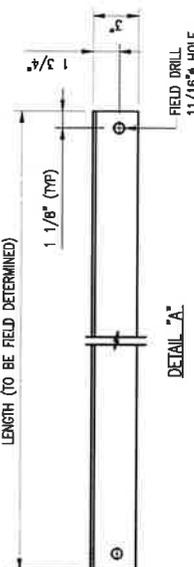
NOTE:  
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



SECTION "A-A"  
RECT. HSS MOUNTING

SECTION "A-A"  
ROUND PIPE MOUNTING

SECTION "B-B"



ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	43.8
2	3	BRKF-XXX	BRACKET WELDMENT A36	PLK5-F2	35.7
3	6	L3318/5-8	L 3" X 3" X 3/16" X 8'-0" A36	PLK5-F4	182.9
4	3	PL-K0	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		J
9	42	LW-625	5/8" HDG LOCK WASHER		T
10	42	NUT-625	5/8" HDG HEX NUT		S
GALVANIZED WT					291

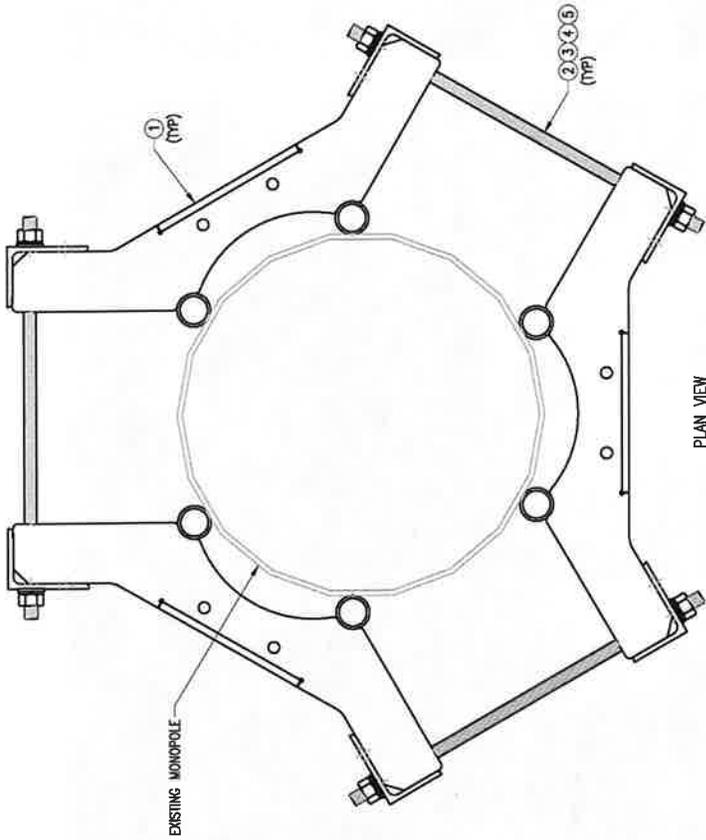
NOTES:  
1. ALL HOLES ARE 11/16" DIA. U.N.O  
2. HOT-DIPPED GALVANIZED PER ASTM A123.  
3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VzW  
**SMART Tool**<sup>®</sup>  
 Vendor

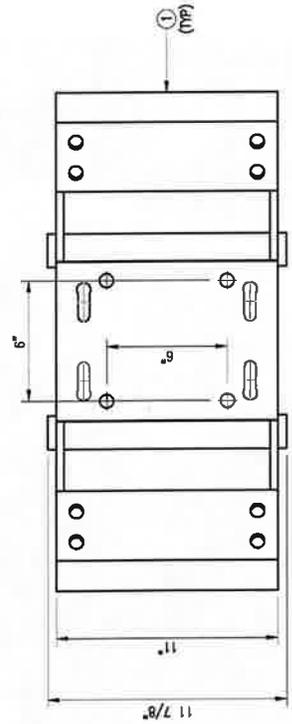
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DRAWN BY BT	CHECKED BY HMM/AM
REV	DESCRIPTION
BT	DATE
BT	05/11/20
BT	
BT	
BT	
BT	

SHEET TITLE	
VZSMART-PLK7	
MONOPOLE COLLAR	
MOUNT ASSEMBLY	
SHEET NUMBER	REV #:
VZSMART-PLK7	0



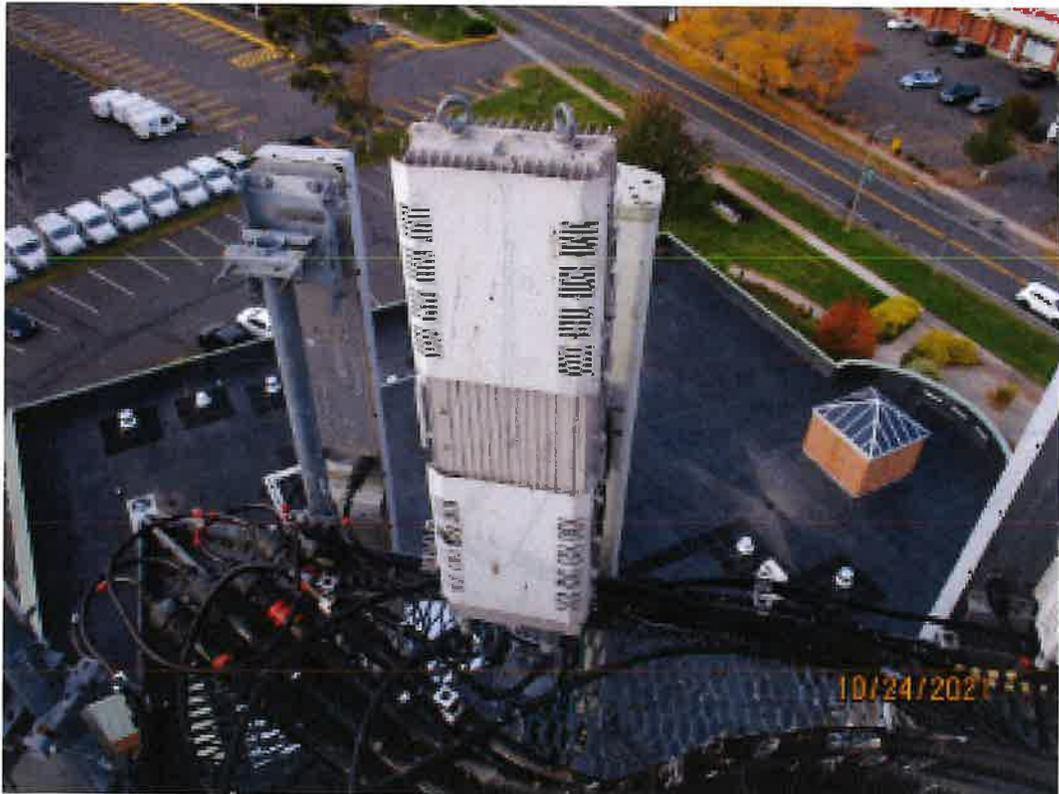
PLAN VIEW  
 MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

VZSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)					
ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	CM-1245	COLLAR MOUNT ASSEMBLY	PLK7-11	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
				CALVANIZED WT	150

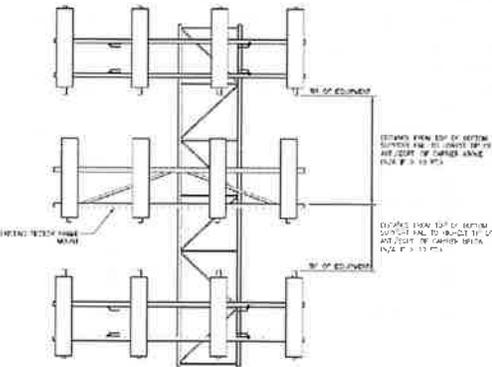
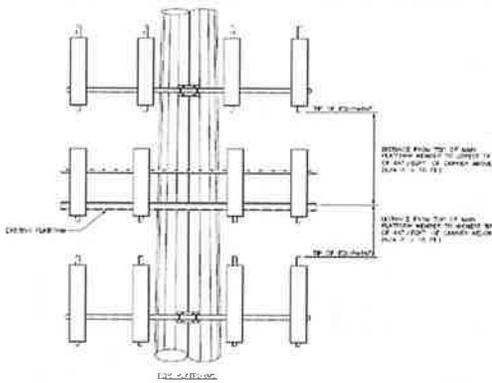
NOTES:  
 1. FIT 12" TO 45" DIA MONOPOLE  
 2. HOT-DIPPED GALVANIZED PER ASTM A123.



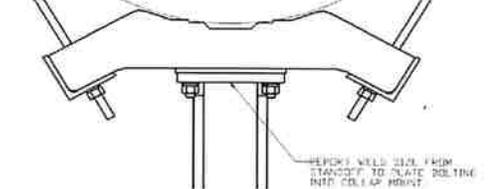


Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector				Sector B									
Sector A:	0.00	Deg	Leg A:	Deg	Ant <sub>1a</sub>												
Sector B:	120.00	Deg	Leg B:	Deg	Ant <sub>1b</sub>	BXA-80063-4BF-EDIN	11.00	5.50	45.00	104.042	34.00	9.00	120.00	145			
Sector C:	240.00	Deg	Leg C:	Deg	Ant <sub>1c</sub>												
Sector D:		Deg	Leg D:	Deg	Ant <sub>2a</sub>	B4 RRH2X60-4R	10.50	5.75	36.50	105.167	20.50	-7.00		145			
					Ant <sub>2b</sub>	UNKNOWN PANEL	12.00	7.50	73.50	104.167	32.50	10.50	120.00	145			
					Ant <sub>2c</sub>												
Climbing Facility Information																	
Location:	240.00	Deg	Sector C				Ant <sub>3a</sub>	3JR53386AAAL 3	12.00	7.50	21.00	104.625	27.00	-5.00			146
Climbing Facility	Corrosion Type:		N/A				Ant <sub>3b</sub>	SLCP 2X6014	14.00	11.00	53.00	104.208	32.00	10.00	120.00	146	
	Access:		Climbing path was unobstructed.				Ant <sub>3c</sub>										
	Condition:		Good condition.				Ant <sub>4a</sub>										
						Ant <sub>4b</sub>	UNKNOWN PANEL	12.00	7.50	73.50	104.167	32.50	10.50	120.00	147		
						Ant <sub>4c</sub>											
						Ant <sub>5a</sub>											
						Ant <sub>5b</sub>											
						Ant <sub>5c</sub>											
						Ant on Standoff											
						Ant on Standoff											
						Ant on Tower											
						Ant on Tower											
Sector C																	
						Ant <sub>1a</sub>											
						Ant <sub>1b</sub>	BXA-80080-4CF-EDIN	8.00	6.00	47.50	104.042	34.00	9.00	280.00	149		
						Ant <sub>1c</sub>											
						Ant <sub>2a</sub>	B4 RRH2X60-4R	10.50	5.75	36.50	105.167	20.50	-7.00		149		
						Ant <sub>2b</sub>	UNKNOWN PANEL	12.00	7.50	73.50	104.167	32.50	10.50	280.00	149		
						Ant <sub>2c</sub>											
						Ant <sub>3a</sub>	3JR53386AAAL 3	12.00	7.50	21.00	104.625	27.00	-5.00		150		
						Ant <sub>3b</sub>	SLCP 2X6014	14.00	11.00	53.00	104.208	32.00	10.00	280.00	150		
						Ant <sub>3c</sub>											
						Ant <sub>4a</sub>											
						Ant <sub>4b</sub>	UNKNOWN PANEL	12.00	7.50	73.50	104.167	32.50	10.50	280.00	152		
						Ant <sub>4c</sub>											
						Ant <sub>5a</sub>											
						Ant <sub>5b</sub>											
						Ant <sub>5c</sub>											
						Ant on Standoff											
						Ant on Standoff											
						Ant on Tower											
						Ant on Tower											
Sector D																	
						Ant <sub>1a</sub>											
						Ant <sub>1b</sub>											
						Ant <sub>1c</sub>											
						Ant <sub>2a</sub>											
						Ant <sub>2b</sub>											
						Ant <sub>2c</sub>											
						Ant <sub>3a</sub>											
						Ant <sub>3b</sub>											
						Ant <sub>3c</sub>											
						Ant <sub>4a</sub>											
						Ant <sub>4b</sub>											
						Ant <sub>4c</sub>											
						Ant <sub>5a</sub>											
						Ant <sub>5b</sub>											
						Ant <sub>5c</sub>											
						Ant on Standoff											
						Ant on Standoff											
						Ant on Tower											
						Ant on Tower											

Please insert a photo of the mount centerline measurement here.



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



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

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

Mapping Notes
<p>1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)</p> <p>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.</p> <p>3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.</p> <p>4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.</p> <p>5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.</p> <p>6. Please measure and report the size and length of all existing antenna mounting pipes.</p> <p>7. Please measure and report the antenna information for all sectors.</p> <p>8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.</p>

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.



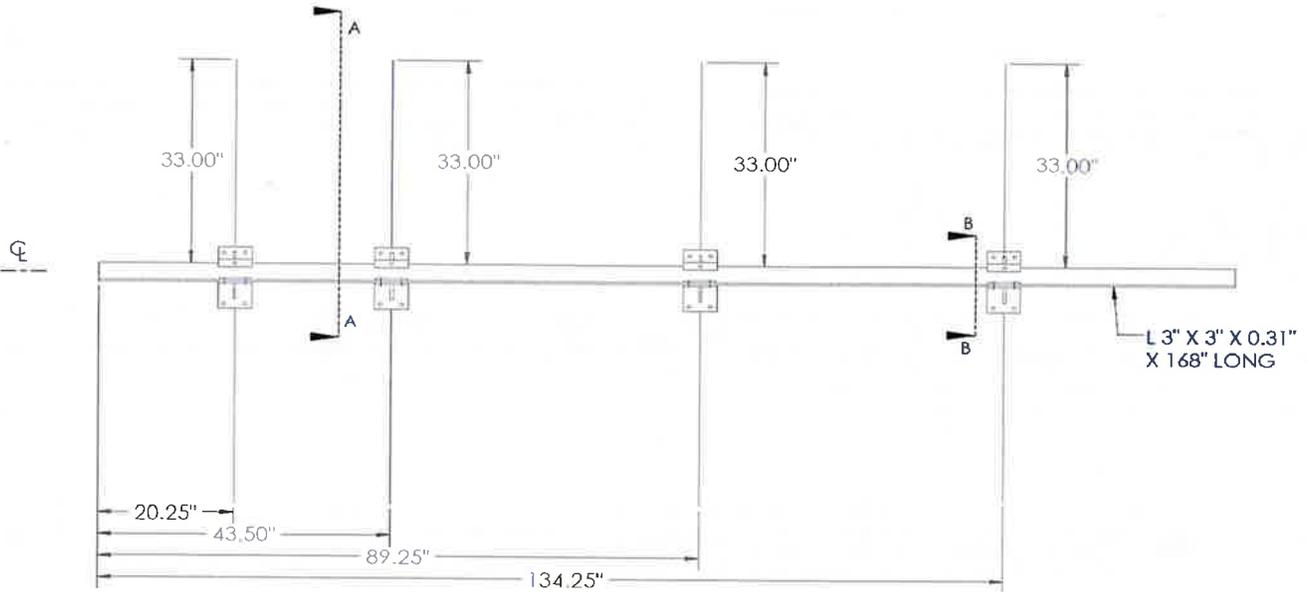
### Antenna Mount Mapping Form (PATENT PENDING)

FCC #  
UNKNOWN

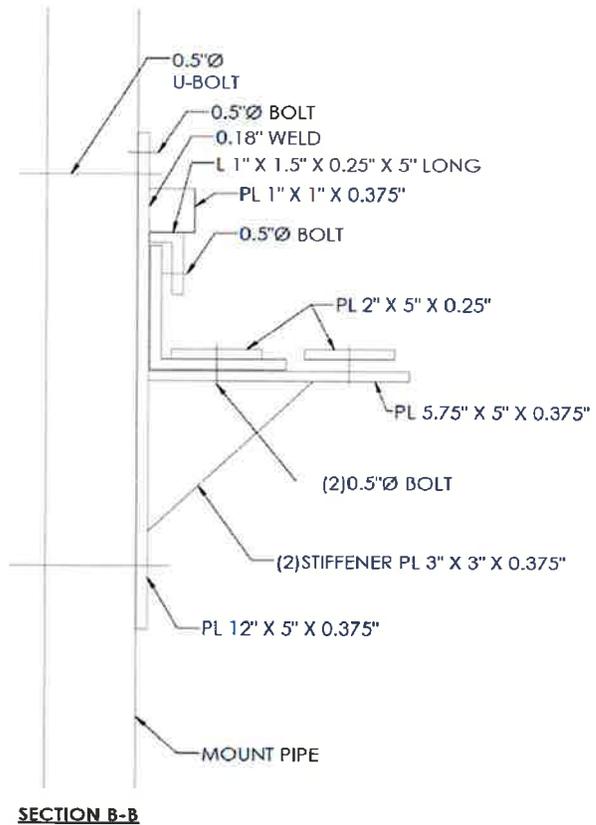
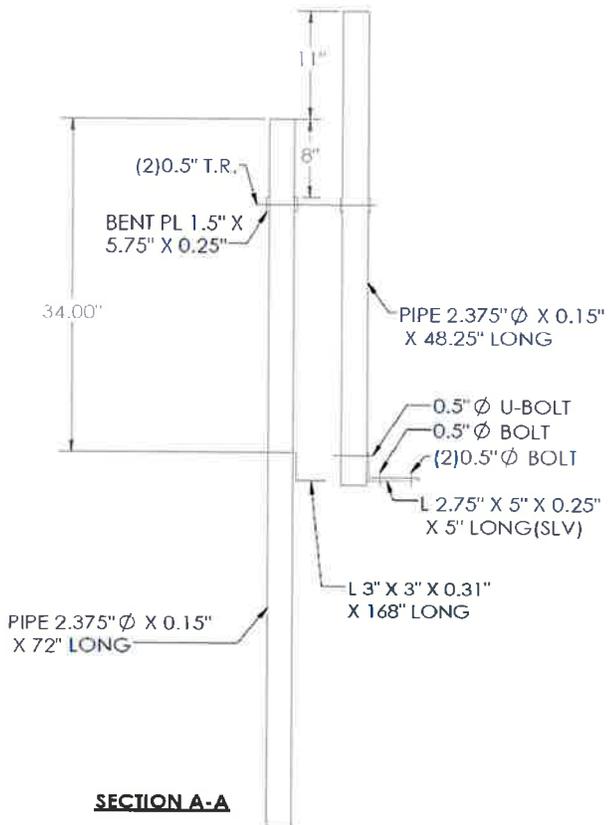
Tower Owner:	UNKNOWN	Mapping Date:	10/24/2021
Site Name:	VZW: Bloomfield 3 CT	Tower Type:	Monopole
Site Number or ID:	VZW: 468782	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering, LLC	Mount Elevation (Ft.):	104

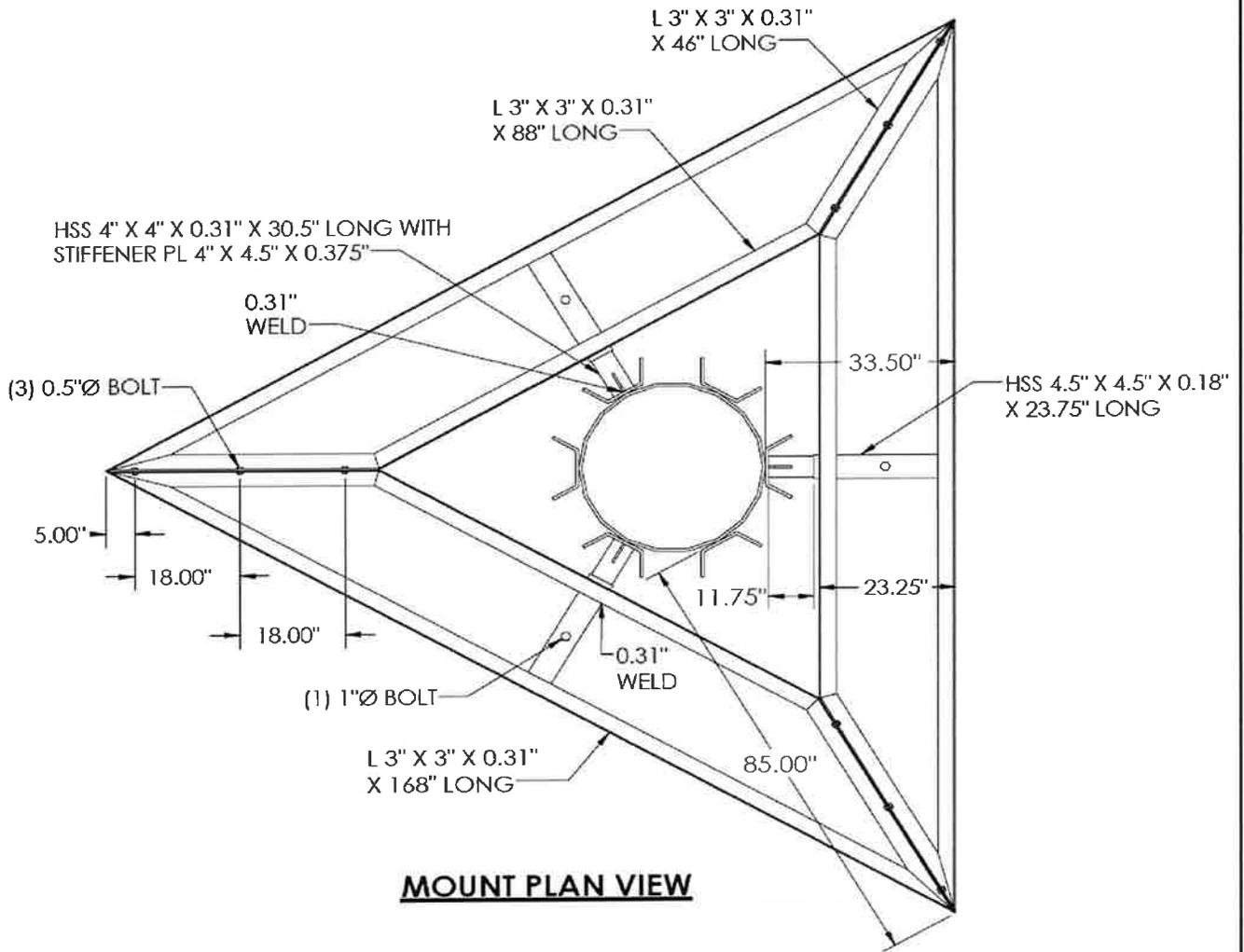
This antenna mapping form is the property of TES and under PATENT PENDING. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

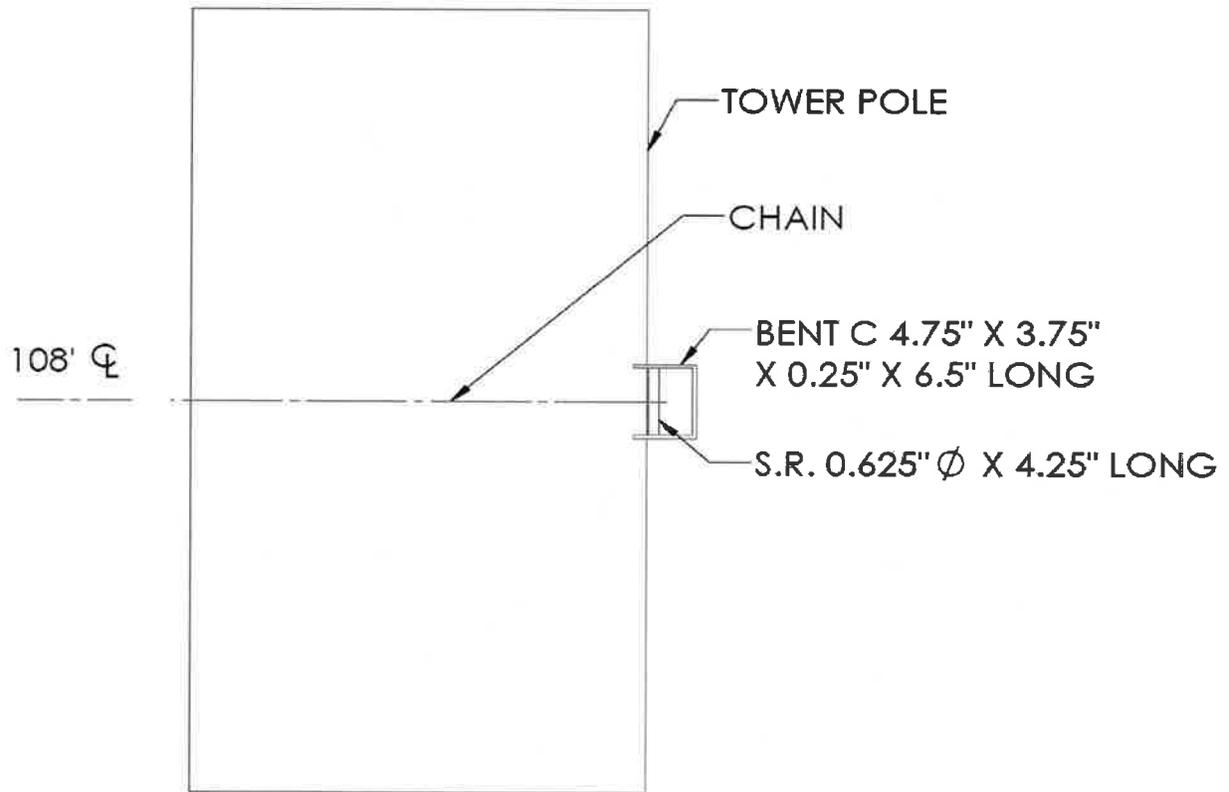
Please Insert Sketches of the Antenna Mount



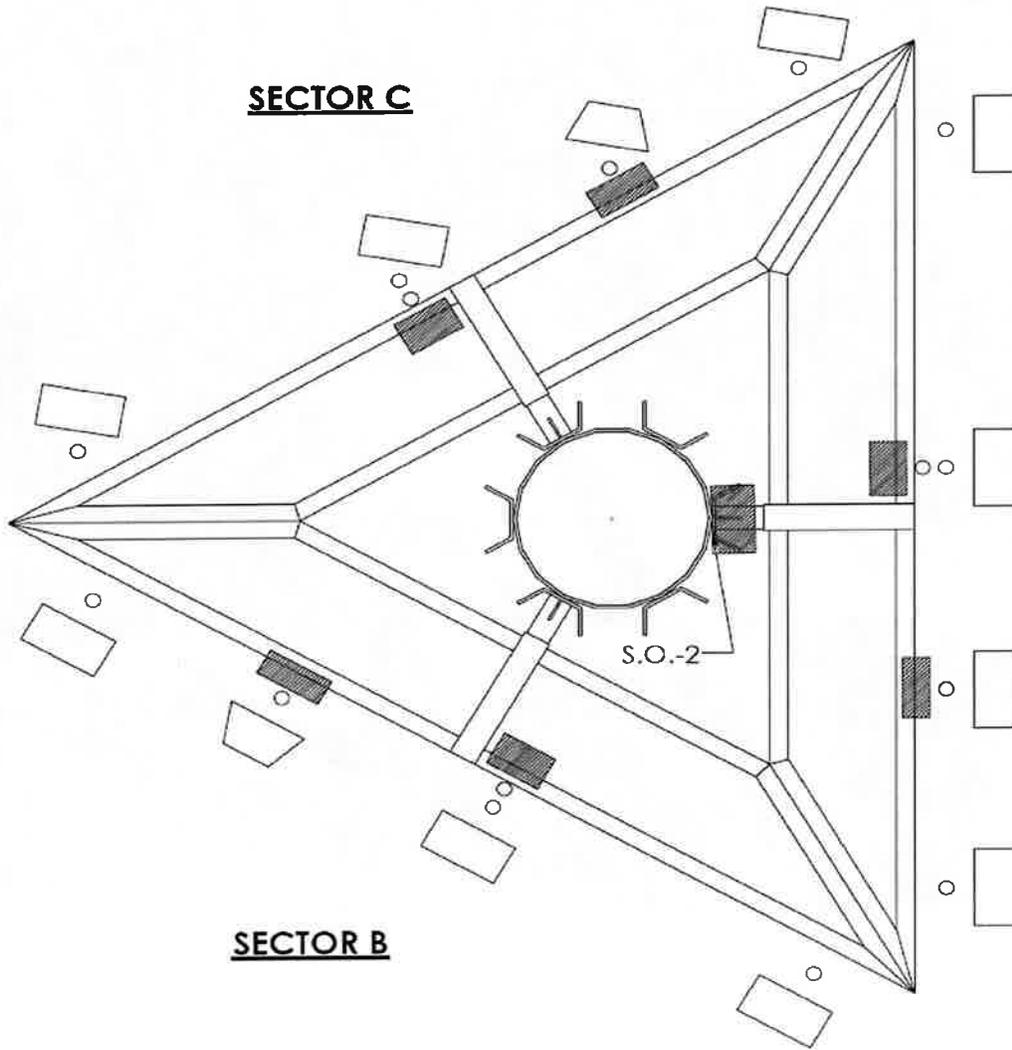
**SECTOR A, B & C**





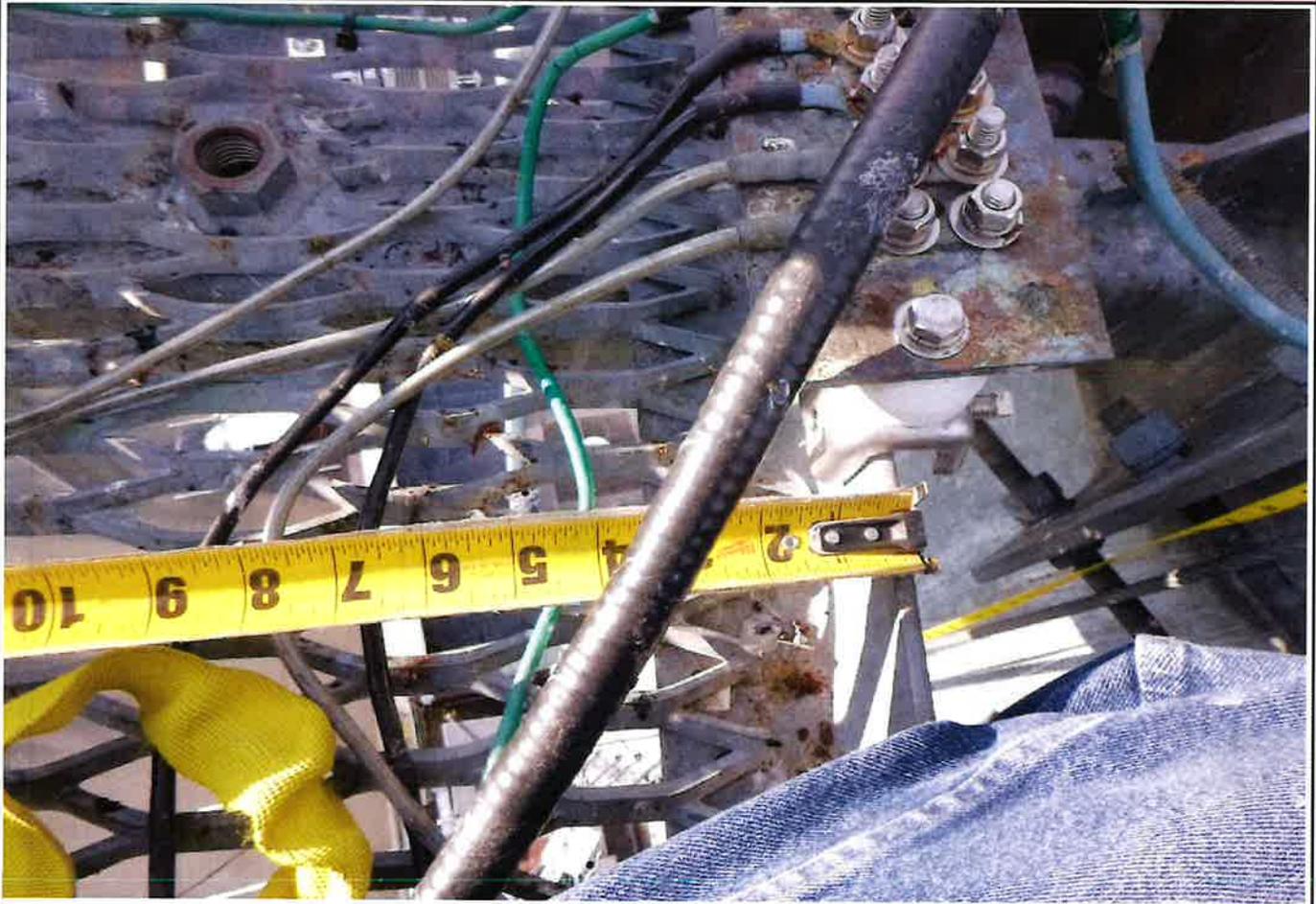


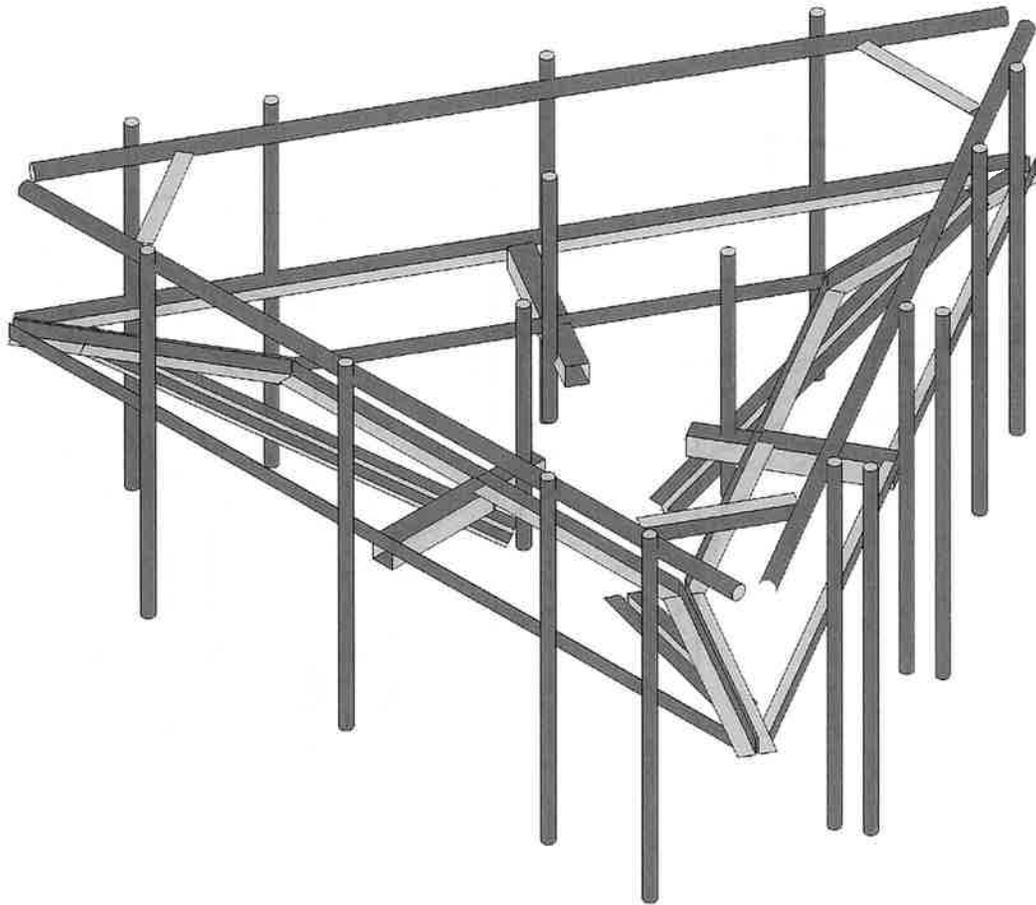
S.O.-2



ANTENNA PLAN VIEW

Please Insert Sketches of the Antenna Mount, cont'd





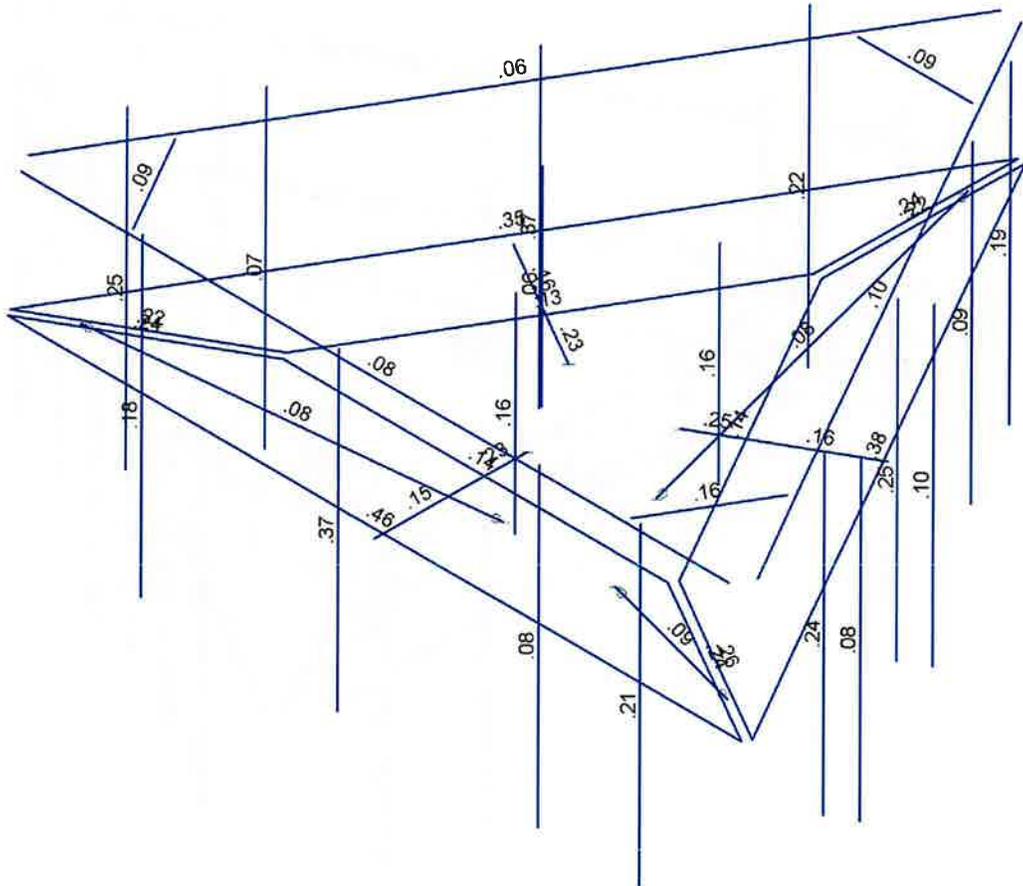
Envelope Only Solution


Rendered Model

SK - 1

June 9, 2023 at 3:41 PM

5000383112-VZW\_MT\_LO\_H.r3d



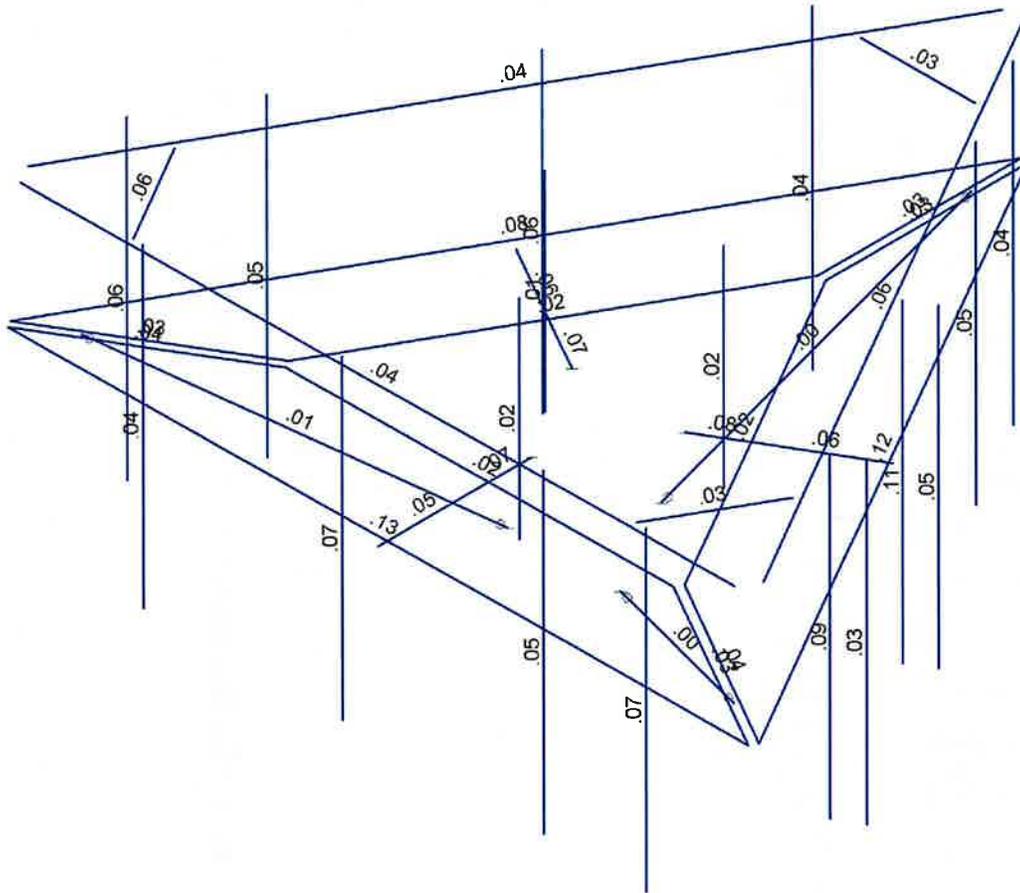
Member Code Checks Displayed (Enveloped)  
Envelope Only Solution

SK - 2

June 9, 2023 at 3:41 PM

5000383112-VZW\_MT\_LO\_H.r3d

Bending Check



Member Shear Checks Displayed (Enveloped)  
Envelope Only Solution

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

June 9, 2023  
 3:42 PM  
 Checked By: \_\_\_\_\_

**Basic Load Cases**

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









Company  
Designer  
Job Number  
Model Name

June 9, 2023  
3:42 PM  
Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

June 9, 2023  
 3:42 PM  
 Checked By: \_\_\_\_\_

**Joint Coordinates and Temperatures (Continued)**

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



Company :  
 Designer :  
 Job Number :  
 Model Name :

June 9, 2023  
 3:42 PM  
 Checked By: \_\_\_\_\_

### Hot Rolled Steel Section Sets

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

### Hot Rolled Steel Properties

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

### Member Primary Data

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



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**Member Primary Data (Continued)**

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





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**Member Advanced Data (Continued)**

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat	Analysis ...	Inactive	Seismic...
45	MP2C						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	MP3CA						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	MP4CA						Yes	** NA **			None
50	M50						Yes	** NA **			None
51	MP1B						Yes	** NA **			None
52	M52						Yes	** NA **			None
53	MP2B						Yes	** NA **			None
54	M54						Yes	** NA **			None
55	MP3B						Yes	** NA **			None
56	M56						Yes	** NA **			None
57	MP4B						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	MP3C						Yes	** NA **			None
61	M61						Yes	** 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	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes	** NA **			None
74	M74						Yes	** NA **			None
75	M75						Yes	** NA **			None
76	M76		000000				Yes	** NA **			None
77	M77		000000				Yes	** NA **			None
78	M78		000000				Yes	** NA **			None
79	M79		000000				Yes	** NA **			None
80	M80		000000				Yes	** NA **			None
81	M81		000000				Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83						Yes	** NA **			None
84	M84						Yes	** NA **			None
85	M85						Yes	** NA **			None
86	M86	BenPIN	BenPIN				Yes	** NA **			None
87	M87						Yes	** NA **			None
88	M88	BenPIN	BenPIN				Yes	** NA **			None
89	M89						Yes	** NA **			None
90	M90	BenPIN	BenPIN				Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	MP4C						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	M96						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	M99						Yes	** NA **			None





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

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

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

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



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

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



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

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

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

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



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

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



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

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

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

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



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

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



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

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

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

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



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

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



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

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



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

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

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

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



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

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



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

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

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

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





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

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

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

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



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

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



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

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

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

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



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

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



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

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



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

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

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

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





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

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

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

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



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

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



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

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

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

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



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

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



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

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

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

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



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

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



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

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



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

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

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

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



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

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



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

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

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

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



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

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





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

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



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

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

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

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



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

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



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

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



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

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

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

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



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

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

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

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

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

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



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

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



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

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

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

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



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

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



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

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

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

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



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

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



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

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
58	MP3A	X	-15.171	5.5
59	MP3A	Z	-26.277	5.5
60	MP3A	Mx	-0.008	5.5
61	MP3B	X	-15.171	.5
62	MP3B	Z	-26.277	.5
63	MP3B	Mx	.023	.5
64	MP3B	X	-15.171	5.5
65	MP3B	Z	-26.277	5.5
66	MP3B	Mx	.023	5.5
67	MP3C	X	-12.73	.5
68	MP3C	Z	-22.048	.5
69	MP3C	Mx	-0.018	.5
70	MP3C	X	-12.73	5.5
71	MP3C	Z	-22.048	5.5
72	MP3C	Mx	-0.018	5.5
73	MP3A	X	-15.171	.5
74	MP3A	Z	-26.277	.5
75	MP3A	Mx	.023	.5
76	MP3A	X	-15.171	5.5
77	MP3A	Z	-26.277	5.5
78	MP3A	Mx	.023	5.5
79	MP3B	X	-15.171	.5
80	MP3B	Z	-26.277	.5
81	MP3B	Mx	-0.008	.5
82	MP3B	X	-15.171	5.5
83	MP3B	Z	-26.277	5.5
84	MP3B	Mx	-0.008	5.5
85	MP3C	X	-12.73	.5
86	MP3C	Z	-22.048	.5
87	MP3C	Mx	-0.004	.5
88	MP3C	X	-12.73	5.5
89	MP3C	Z	-22.048	5.5
90	MP3C	Mx	-0.004	5.5
91	M99	X	-4.451	1
92	M99	Z	-7.709	1
93	M99	Mx	0	1
94	M97	X	-16.055	1
95	M97	Z	-27.808	1
96	M97	Mx	0	1
97	M95	X	-16.055	1
98	M95	Z	-27.808	1
99	M95	Mx	0	1

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

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



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

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
69	MP3C	Mx	-0.001	.5
70	MP3C	X	0	5.5
71	MP3C	Z	-2.972	5.5
72	MP3C	Mx	-0.001	5.5
73	MP3A	X	0	.5
74	MP3A	Z	-6.91	.5
75	MP3A	Mx	.004	.5
76	MP3A	X	0	5.5
77	MP3A	Z	-6.91	5.5
78	MP3A	Mx	.004	5.5
79	MP3B	X	0	.5
80	MP3B	Z	-3.957	.5
81	MP3B	Mx	.000559	.5
82	MP3B	X	0	5.5
83	MP3B	Z	-3.957	5.5
84	MP3B	Mx	.000559	5.5
85	MP3C	X	0	.5
86	MP3C	Z	-2.972	.5
87	MP3C	Mx	-0.001	.5
88	MP3C	X	0	5.5
89	MP3C	Z	-2.972	5.5
90	MP3C	Mx	-0.001	5.5
91	M99	X	0	1
92	M99	Z	-2.057	1
93	M99	Mx	0	1
94	M97	X	0	1
95	M97	Z	-7.951	1
96	M97	Mx	0	1
97	M95	X	0	1
98	M95	Z	-7.951	1
99	M95	Mx	0	1

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP4A	X	2.055	2
2	MP4A	Z	-3.56	2
3	MP4A	Mx	-0.001	2
4	MP4A	X	2.055	4
5	MP4A	Z	-3.56	4
6	MP4A	Mx	-0.001	4
7	MP4B	X	.846	2
8	MP4B	Z	-1.466	2
9	MP4B	Mx	.000846	2
10	MP4B	X	.846	4
11	MP4B	Z	-1.466	4
12	MP4B	Mx	.000846	4
13	MP4C	X	1.249	2
14	MP4C	Z	-2.164	2
15	MP4C	Mx	-0.001	2
16	MP4C	X	1.249	4
17	MP4C	Z	-2.164	4
18	MP4C	Mx	-0.001	4
19	MP2A	X	1.784	1.5
20	MP2A	Z	-3.09	1.5
21	MP2A	Mx	.000892	1.5
22	MP2B	X	1.304	1.5



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

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



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

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

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

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



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

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



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

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

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

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



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

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



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

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



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP3A	X	3.426	5.5
59	MP3A	Z	1.978	5.5
60	MP3A	Mx	-0.00559	5.5
61	MP3B	X	5.984	.5
62	MP3B	Z	3.455	.5
63	MP3B	Mx	-.004	.5
64	MP3B	X	5.984	5.5
65	MP3B	Z	3.455	5.5
66	MP3B	Mx	-.004	5.5
67	MP3C	X	5.132	.5
68	MP3C	Z	2.963	.5
69	MP3C	Mx	.004	.5
70	MP3C	X	5.132	5.5
71	MP3C	Z	2.963	5.5
72	MP3C	Mx	.004	5.5
73	MP3A	X	3.426	.5
74	MP3A	Z	1.978	.5
75	MP3A	Mx	-.003	.5
76	MP3A	X	3.426	5.5
77	MP3A	Z	1.978	5.5
78	MP3A	Mx	-.003	5.5
79	MP3B	X	5.984	.5
80	MP3B	Z	3.455	.5
81	MP3B	Mx	.004	.5
82	MP3B	X	5.984	5.5
83	MP3B	Z	3.455	5.5
84	MP3B	Mx	.004	5.5
85	MP3C	X	5.132	.5
86	MP3C	Z	2.963	.5
87	MP3C	Mx	-.002	.5
88	MP3C	X	5.132	5.5
89	MP3C	Z	2.963	5.5
90	MP3C	Mx	-.002	5.5
91	M99	X	1.801	1
92	M99	Z	1.04	1
93	M99	Mx	0	1
94	M97	X	5.647	1
95	M97	Z	3.261	1
96	M97	Mx	0	1
97	M95	X	5.647	1
98	M95	Z	3.261	1
99	M95	Mx	0	1

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

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



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

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



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

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

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

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



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

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



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

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

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

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



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

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



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

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

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

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





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

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



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

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

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

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



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

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





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

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



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

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

**Member Point Loads (BLC 77 : Lm1)**

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

**Member Point Loads (BLC 78 : Lm2)**

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

**Member Point Loads (BLC 79 : Lv1)**

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

**Member Point Loads (BLC 80 : Lv2)**

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

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP4A	Y	-1.682	2
2	MP4A	My	-.000841	2
3	MP4A	Mz	0	2
4	MP4A	Y	-1.682	4
5	MP4A	My	-.000841	4
6	MP4A	Mz	0	4
7	MP4B	Y	-1.682	2
8	MP4B	My	.00042	2
9	MP4B	Mz	-.000728	2
10	MP4B	Y	-1.682	4
11	MP4B	My	.00042	4
12	MP4B	Mz	-.000728	4
13	MP4C	Y	-1.682	2
14	MP4C	My	0	2
15	MP4C	Mz	.000841	2



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

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



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

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

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

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



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

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

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

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



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

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



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**Joint Loads and Enforced Displacements**

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

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

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

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

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



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

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



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

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

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

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



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

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



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

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

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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..	End Location[ft..
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	4.186	4.186	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	4.186	4.186	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	11.435	11.435	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	14.872	14.872	0	%100
12	M8	Z	0	0	0	%100



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

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



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

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

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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f.	End Location[f.]
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**Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)**

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



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

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

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

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



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

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



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

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

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

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



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

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

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

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



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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft..
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-4.186	-4.186	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-4.186	-4.186	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-11.435	-11.435	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-14.872	-14.872	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-15.049	-15.049	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-16.848	-16.848	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-15.049	-15.049	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-4.238	-4.238	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-2.859	-2.859	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	-3.718	-3.718	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-15.049	-15.049	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-4.238	-4.238	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-15.049	-15.049	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-16.848	-16.848	0	%100



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

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



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

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



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

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

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

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



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

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



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

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

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

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



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

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

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

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



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

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



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

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

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

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



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

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



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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft..
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	1.188	1.188	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	1.188	1.188	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	3.397	3.397	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	4.139	4.139	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	4.373	4.373	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	4.78	4.78	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	4.373	4.373	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	1.202	1.202	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.849	.849	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	1.035	1.035	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	4.373	4.373	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	1.202	1.202	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	4.373	4.373	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	4.78	4.78	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.849	.849	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	1.035	1.035	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	3.844	3.844	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	3.844	3.844	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	3.844	3.844	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	3.844	3.844	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	3.844	3.844	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	3.844	3.844	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	3.844	3.844	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	3.844	3.844	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	3.844	3.844	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	3.844	3.844	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	3.844	3.844	0	%100



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

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

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

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



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

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



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

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

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

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



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

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

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

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



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

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



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

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

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

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



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

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



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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft]	End Location[ft]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-1.188	-1.188	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-1.188	-1.188	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-3.397	-3.397	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	-4.139	-4.139	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-4.373	-4.373	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-4.78	-4.78	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-4.373	-4.373	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-1.202	-1.202	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-.849	-.849	0	%100
22	M13	Z	0	0	0	%100



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

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



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

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

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

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	-1.262	-1.262	0	%100
2	M1	Z	-.729	-.729	0	%100
3	M2	X	-1.3e-5	-1.3e-5	0	%100
4	M2	Z	-7e-6	-7e-6	0	%100
5	M3	X	-1.262	-1.262	0	%100
6	M3	Z	-.729	-.729	0	%100
7	M4	X	-3.099	-3.099	0	%100
8	M4	Z	-1.789	-1.789	0	%100
9	M5	X	-2.206	-2.206	0	%100
10	M5	Z	-1.274	-1.274	0	%100
11	M8	X	-2.688	-2.688	0	%100
12	M8	Z	-1.552	-1.552	0	%100
13	M9	X	-1.262	-1.262	0	%100
14	M9	Z	-.729	-.729	0	%100
15	M10	X	-3.099	-3.099	0	%100
16	M10	Z	-1.789	-1.789	0	%100
17	M11	X	-1.262	-1.262	0	%100
18	M11	Z	-.729	-.729	0	%100
19	M12	X	-1.3e-5	-1.3e-5	0	%100
20	M12	Z	-7e-6	-7e-6	0	%100
21	M13	X	-2.206	-2.206	0	%100
22	M13	Z	-1.274	-1.274	0	%100
23	M16	X	-2.688	-2.688	0	%100
24	M16	Z	-1.552	-1.552	0	%100
25	M17	X	-5.049	-5.049	0	%100
26	M17	Z	-2.915	-2.915	0	%100
27	M18	X	-3.111	-3.111	0	%100
28	M18	Z	-1.796	-1.796	0	%100
29	M19	X	-5.049	-5.049	0	%100
30	M19	Z	-2.915	-2.915	0	%100
31	M20	X	-3.111	-3.111	0	%100
32	M20	Z	-1.796	-1.796	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-3.329	-3.329	0	%100
38	MP1A	Z	-1.922	-1.922	0	%100
39	MP2A	X	-3.329	-3.329	0	%100
40	MP2A	Z	-1.922	-1.922	0	%100
41	MP3A	X	-3.329	-3.329	0	%100
42	MP3A	Z	-1.922	-1.922	0	%100
43	MP4A	X	-3.329	-3.329	0	%100
44	MP4A	Z	-1.922	-1.922	0	%100



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**Member Distributed Loads (BLC 63 : Structure Wi (300 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft..
45	MP1C	X	-3.329	-3.329	0	%100
46	MP1C	Z	-1.922	-1.922	0	%100
47	MP2C	X	-3.329	-3.329	0	%100
48	MP2C	Z	-1.922	-1.922	0	%100
49	MP3CA	X	-3.329	-3.329	0	%100
50	MP3CA	Z	-1.922	-1.922	0	%100
51	MP4CA	X	-3.329	-3.329	0	%100
52	MP4CA	Z	-1.922	-1.922	0	%100
53	MP1B	X	-3.329	-3.329	0	%100
54	MP1B	Z	-1.922	-1.922	0	%100
55	MP2B	X	-3.329	-3.329	0	%100
56	MP2B	Z	-1.922	-1.922	0	%100
57	MP3B	X	-3.329	-3.329	0	%100
58	MP3B	Z	-1.922	-1.922	0	%100
59	MP4B	X	-3.329	-3.329	0	%100
60	MP4B	Z	-1.922	-1.922	0	%100
61	MP3C	X	-3.329	-3.329	0	%100
62	MP3C	Z	-1.922	-1.922	0	%100
63	M61	X	-.942	-.942	0	%100
64	M61	Z	-.544	-.544	0	%100
65	M66	X	-.942	-.942	0	%100
66	M66	Z	-.544	-.544	0	%100
67	M71	X	-3.767	-3.767	0	%100
68	M71	Z	-2.175	-2.175	0	%100
69	M82	X	-.895	-.895	0	%100
70	M82	Z	-.517	-.517	0	%100
71	M83	X	-3.581	-3.581	0	%100
72	M83	Z	-2.068	-2.068	0	%100
73	M84	X	-.895	-.895	0	%100
74	M84	Z	-.517	-.517	0	%100
75	M86	X	-3.926	-3.926	0	%100
76	M86	Z	-2.266	-2.266	0	%100
77	M88	X	-3.926	-3.926	0	%100
78	M88	Z	-2.266	-2.266	0	%100
79	M90	X	-.852	-.852	0	%100
80	M90	Z	-.492	-.492	0	%100
81	MP4C	X	-3.329	-3.329	0	%100
82	MP4C	Z	-1.922	-1.922	0	%100
83	M95	X	-2.934	-2.934	0	%100
84	M95	Z	-1.694	-1.694	0	%100
85	M97	X	-2.934	-2.934	0	%100
86	M97	Z	-1.694	-1.694	0	%100
87	M99	X	-2.934	-2.934	0	%100
88	M99	Z	-1.694	-1.694	0	%100

**Member Distributed Loads (BLC 64 : Structure Wi (330 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	-2.186	-2.186	0	%100
2	M1	Z	-3.787	-3.787	0	%100
3	M2	X	-.601	-.601	0	%100
4	M2	Z	-1.041	-1.041	0	%100
5	M3	X	-2.186	-2.186	0	%100
6	M3	Z	-3.787	-3.787	0	%100
7	M4	X	-2.39	-2.39	0	%100
8	M4	Z	-4.14	-4.14	0	%100
9	M5	X	-.425	-.425	0	%100



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**Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft.	End Locationft.
10	M5	Z	-.735	-.735	0	%100
11	M8	X	-.517	-.517	0	%100
12	M8	Z	-.896	-.896	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-.594	-.594	0	%100
16	M10	Z	-1.029	-1.029	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-.594	-.594	0	%100
20	M12	Z	-1.029	-1.029	0	%100
21	M13	X	-1.699	-1.699	0	%100
22	M13	Z	-2.942	-2.942	0	%100
23	M16	X	-2.069	-2.069	0	%100
24	M16	Z	-3.584	-3.584	0	%100
25	M17	X	-2.186	-2.186	0	%100
26	M17	Z	-3.787	-3.787	0	%100
27	M18	X	-2.39	-2.39	0	%100
28	M18	Z	-4.14	-4.14	0	%100
29	M19	X	-2.186	-2.186	0	%100
30	M19	Z	-3.787	-3.787	0	%100
31	M20	X	-.601	-.601	0	%100
32	M20	Z	-1.041	-1.041	0	%100
33	M21	X	-.425	-.425	0	%100
34	M21	Z	-.735	-.735	0	%100
35	M24	X	-.517	-.517	0	%100
36	M24	Z	-.896	-.896	0	%100
37	MP1A	X	-1.922	-1.922	0	%100
38	MP1A	Z	-3.329	-3.329	0	%100
39	MP2A	X	-1.922	-1.922	0	%100
40	MP2A	Z	-3.329	-3.329	0	%100
41	MP3A	X	-1.922	-1.922	0	%100
42	MP3A	Z	-3.329	-3.329	0	%100
43	MP4A	X	-1.922	-1.922	0	%100
44	MP4A	Z	-3.329	-3.329	0	%100
45	MP1C	X	-1.922	-1.922	0	%100
46	MP1C	Z	-3.329	-3.329	0	%100
47	MP2C	X	-1.922	-1.922	0	%100
48	MP2C	Z	-3.329	-3.329	0	%100
49	MP3CA	X	-1.922	-1.922	0	%100
50	MP3CA	Z	-3.329	-3.329	0	%100
51	MP4CA	X	-1.922	-1.922	0	%100
52	MP4CA	Z	-3.329	-3.329	0	%100
53	MP1B	X	-1.922	-1.922	0	%100
54	MP1B	Z	-3.329	-3.329	0	%100
55	MP2B	X	-1.922	-1.922	0	%100
56	MP2B	Z	-3.329	-3.329	0	%100
57	MP3B	X	-1.922	-1.922	0	%100
58	MP3B	Z	-3.329	-3.329	0	%100
59	MP4B	X	-1.922	-1.922	0	%100
60	MP4B	Z	-3.329	-3.329	0	%100
61	MP3C	X	-1.922	-1.922	0	%100
62	MP3C	Z	-3.329	-3.329	0	%100
63	M61	X	-1.631	-1.631	0	%100
64	M61	Z	-2.825	-2.825	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100



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**Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[f..
67	M71	X	-1.631	-1.631	0	%100
68	M71	Z	-2.825	-2.825	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-1.551	-1.551	0	%100
72	M83	Z	-2.686	-2.686	0	%100
73	M84	X	-1.551	-1.551	0	%100
74	M84	Z	-2.686	-2.686	0	%100
75	M86	X	-1.083	-1.083	0	%100
76	M86	Z	-1.876	-1.876	0	%100
77	M88	X	-2.858	-2.858	0	%100
78	M88	Z	-4.95	-4.95	0	%100
79	M90	X	-1.083	-1.083	0	%100
80	M90	Z	-1.876	-1.876	0	%100
81	MP4C	X	-1.922	-1.922	0	%100
82	MP4C	Z	-3.329	-3.329	0	%100
83	M95	X	-1.694	-1.694	0	%100
84	M95	Z	-2.934	-2.934	0	%100
85	M97	X	-1.694	-1.694	0	%100
86	M97	Z	-2.934	-2.934	0	%100
87	M99	X	-1.694	-1.694	0	%100
88	M99	Z	-2.934	-2.934	0	%100

**Member Distributed Loads (BLC 65 : Structure Wm (0 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[f..
1	M1	X	0	0	0	%100
2	M1	Z	-1.254	-1.254	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-0.791	-0.791	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-1.254	-1.254	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-0.791	-0.791	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	-0.314	-0.314	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	-3e-6	-3e-6	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	-0.314	-0.314	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	-0.788	-0.788	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	-0.536	-0.536	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	-0.697	-0.697	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	-0.314	-0.314	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	-0.788	-0.788	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	-0.314	-0.314	0	%100
31	M20	X	0	0	0	%100



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**Member Distributed Loads (BLC 65 : Structure Wm (0 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft..
32	M20	Z	-3e-6	-3e-6	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	-.536	-.536	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	-.697	-.697	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	-.596	-.596	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	-.596	-.596	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	-.596	-.596	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	-.596	-.596	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	-.596	-.596	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	-.596	-.596	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	-.596	-.596	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	-.596	-.596	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	-.596	-.596	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	-.596	-.596	0	%100
57	MP3B	X	0	0	0	%100
58	MP3B	Z	-.596	-.596	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	-.596	-.596	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	-.596	-.596	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-.721	-.721	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	-.18	-.18	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	-.18	-.18	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	-.228	-.228	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	-.228	-.228	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	-.914	-.914	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	-.258	-.258	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	-1.005	-1.005	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	-1.005	-1.005	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	-.596	-.596	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	-.543	-.543	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	-.543	-.543	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	-.543	-.543	0	%100



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**Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft..
1	M1	X	.47	.47	0	%100
2	M1	Z	-.815	-.815	0	%100
3	M2	X	.526	.526	0	%100
4	M2	Z	-.912	-.912	0	%100
5	M3	X	.47	.47	0	%100
6	M3	Z	-.815	-.815	0	%100
7	M4	X	.132	.132	0	%100
8	M4	Z	-.229	-.229	0	%100
9	M5	X	.089	.089	0	%100
10	M5	Z	-.155	-.155	0	%100
11	M8	X	.116	.116	0	%100
12	M8	Z	-.201	-.201	0	%100
13	M9	X	.47	.47	0	%100
14	M9	Z	-.815	-.815	0	%100
15	M10	X	.132	.132	0	%100
16	M10	Z	-.229	-.229	0	%100
17	M11	X	.47	.47	0	%100
18	M11	Z	-.815	-.815	0	%100
19	M12	X	.526	.526	0	%100
20	M12	Z	-.912	-.912	0	%100
21	M13	X	.089	.089	0	%100
22	M13	Z	-.155	-.155	0	%100
23	M16	X	.116	.116	0	%100
24	M16	Z	-.201	-.201	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.131	.131	0	%100
28	M18	Z	-.227	-.227	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	.131	.131	0	%100
32	M20	Z	-.227	-.227	0	%100
33	M21	X	.357	.357	0	%100
34	M21	Z	-.619	-.619	0	%100
35	M24	X	.465	.465	0	%100
36	M24	Z	-.805	-.805	0	%100
37	MP1A	X	.298	.298	0	%100
38	MP1A	Z	-.516	-.516	0	%100
39	MP2A	X	.298	.298	0	%100
40	MP2A	Z	-.516	-.516	0	%100
41	MP3A	X	.298	.298	0	%100
42	MP3A	Z	-.516	-.516	0	%100
43	MP4A	X	.298	.298	0	%100
44	MP4A	Z	-.516	-.516	0	%100
45	MP1C	X	.298	.298	0	%100
46	MP1C	Z	-.516	-.516	0	%100
47	MP2C	X	.298	.298	0	%100
48	MP2C	Z	-.516	-.516	0	%100
49	MP3CA	X	.298	.298	0	%100
50	MP3CA	Z	-.516	-.516	0	%100
51	MP4CA	X	.298	.298	0	%100
52	MP4CA	Z	-.516	-.516	0	%100
53	MP1B	X	.298	.298	0	%100
54	MP1B	Z	-.516	-.516	0	%100
55	MP2B	X	.298	.298	0	%100
56	MP2B	Z	-.516	-.516	0	%100
57	MP3B	X	.298	.298	0	%100



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**Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft]	End Location[ft]
58	MP3B	Z	-.516	-.516	0	%100
59	MP4B	X	.298	.298	0	%100
60	MP4B	Z	-.516	-.516	0	%100
61	MP3C	X	.298	.298	0	%100
62	MP3C	Z	-.516	-.516	0	%100
63	M61	X	.27	.27	0	%100
64	M61	Z	-.468	-.468	0	%100
65	M66	X	.27	.27	0	%100
66	M66	Z	-.468	-.468	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	.343	.343	0	%100
70	M82	Z	-.593	-.593	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	.343	.343	0	%100
74	M84	Z	-.593	-.593	0	%100
75	M86	X	.254	.254	0	%100
76	M86	Z	-.439	-.439	0	%100
77	M88	X	.254	.254	0	%100
78	M88	Z	-.439	-.439	0	%100
79	M90	X	.627	.627	0	%100
80	M90	Z	-1.086	-1.086	0	%100
81	MP4C	X	.298	.298	0	%100
82	MP4C	Z	-.516	-.516	0	%100
83	M95	X	.271	.271	0	%100
84	M95	Z	-.47	-.47	0	%100
85	M97	X	.271	.271	0	%100
86	M97	Z	-.47	-.47	0	%100
87	M99	X	.271	.271	0	%100
88	M99	Z	-.47	-.47	0	%100

**Member Distributed Loads (BLC 67 : Structure Wm (60 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft]	End Location[ft]
1	M1	X	.272	.272	0	%100
2	M1	Z	-.157	-.157	0	%100
3	M2	X	.683	.683	0	%100
4	M2	Z	-.394	-.394	0	%100
5	M3	X	.272	.272	0	%100
6	M3	Z	-.157	-.157	0	%100
7	M4	X	3e-6	3e-6	0	%100
8	M4	Z	-2e-6	-2e-6	0	%100
9	M5	X	.464	.464	0	%100
10	M5	Z	-.268	-.268	0	%100
11	M8	X	.604	.604	0	%100
12	M8	Z	-.349	-.349	0	%100
13	M9	X	1.086	1.086	0	%100
14	M9	Z	-.627	-.627	0	%100
15	M10	X	.685	.685	0	%100
16	M10	Z	-.396	-.396	0	%100
17	M11	X	1.086	1.086	0	%100
18	M11	Z	-.627	-.627	0	%100
19	M12	X	.685	.685	0	%100
20	M12	Z	-.396	-.396	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100





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**Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft...
80	M90	Z	-.503	-.503	0	%100
81	MP4C	X	.516	.516	0	%100
82	MP4C	Z	-.298	-.298	0	%100
83	M95	X	.47	.47	0	%100
84	M95	Z	-.271	-.271	0	%100
85	M97	X	.47	.47	0	%100
86	M97	Z	-.271	-.271	0	%100
87	M99	X	.47	.47	0	%100
88	M99	Z	-.271	-.271	0	%100

**Member Distributed Loads (BLC 68 : Structure Wm (90 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft...
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	.262	.262	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.262	.262	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.715	.715	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	.93	.93	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	.941	.941	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	1.053	1.053	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	.941	.941	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.265	.265	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	.179	.179	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	.232	.232	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	.941	.941	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	.265	.265	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	.941	.941	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	1.053	1.053	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	.179	.179	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	.232	.232	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	.596	.596	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	.596	.596	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	.596	.596	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	.596	.596	0	%100
44	MP4A	Z	0	0	0	%100



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**Member Distributed Loads (BLC 68 : Structure Wm (90 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..	End Location[ft..
45	MP1C	X	.596	.596	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	.596	.596	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	.596	.596	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	.596	.596	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	.596	.596	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	.596	.596	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	.596	.596	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	.596	.596	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	.596	.596	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	.541	.541	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	.541	.541	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	.685	.685	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	.685	.685	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	1.254	1.254	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	.507	.507	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	.507	.507	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	.596	.596	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	.543	.543	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	.543	.543	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	.543	.543	0	%100
88	M99	Z	0	0	0	%100

**Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft..	End Location[ft..
1	M1	X	.272	.272	0	%100
2	M1	Z	.157	.157	0	%100
3	M2	X	3e-6	3e-6	0	%100
4	M2	Z	2e-6	2e-6	0	%100
5	M3	X	.272	.272	0	%100
6	M3	Z	.157	.157	0	%100
7	M4	X	.683	.683	0	%100
8	M4	Z	.394	.394	0	%100
9	M5	X	.464	.464	0	%100



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**Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Locationft...
10	M5	Z	.268	.268	0	%100
11	M8	X	.604	.604	0	%100
12	M8	Z	.349	.349	0	%100
13	M9	X	.272	.272	0	%100
14	M9	Z	.157	.157	0	%100
15	M10	X	.683	.683	0	%100
16	M10	Z	.394	.394	0	%100
17	M11	X	.272	.272	0	%100
18	M11	Z	.157	.157	0	%100
19	M12	X	3e-6	3e-6	0	%100
20	M12	Z	2e-6	2e-6	0	%100
21	M13	X	.464	.464	0	%100
22	M13	Z	.268	.268	0	%100
23	M16	X	.604	.604	0	%100
24	M16	Z	.349	.349	0	%100
25	M17	X	1.086	1.086	0	%100
26	M17	Z	.627	.627	0	%100
27	M18	X	.685	.685	0	%100
28	M18	Z	.396	.396	0	%100
29	M19	X	1.086	1.086	0	%100
30	M19	Z	.627	.627	0	%100
31	M20	X	.685	.685	0	%100
32	M20	Z	.396	.396	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	.516	.516	0	%100
38	MP1A	Z	.298	.298	0	%100
39	MP2A	X	.516	.516	0	%100
40	MP2A	Z	.298	.298	0	%100
41	MP3A	X	.516	.516	0	%100
42	MP3A	Z	.298	.298	0	%100
43	MP4A	X	.516	.516	0	%100
44	MP4A	Z	.298	.298	0	%100
45	MP1C	X	.516	.516	0	%100
46	MP1C	Z	.298	.298	0	%100
47	MP2C	X	.516	.516	0	%100
48	MP2C	Z	.298	.298	0	%100
49	MP3CA	X	.516	.516	0	%100
50	MP3CA	Z	.298	.298	0	%100
51	MP4CA	X	.516	.516	0	%100
52	MP4CA	Z	.298	.298	0	%100
53	MP1B	X	.516	.516	0	%100
54	MP1B	Z	.298	.298	0	%100
55	MP2B	X	.516	.516	0	%100
56	MP2B	Z	.298	.298	0	%100
57	MP3B	X	.516	.516	0	%100
58	MP3B	Z	.298	.298	0	%100
59	MP4B	X	.516	.516	0	%100
60	MP4B	Z	.298	.298	0	%100
61	MP3C	X	.516	.516	0	%100
62	MP3C	Z	.298	.298	0	%100
63	M61	X	.156	.156	0	%100
64	M61	Z	.09	.09	0	%100
65	M66	X	.156	.156	0	%100
66	M66	Z	.09	.09	0	%100



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**Member Distributed Loads (BLC 69 : Structure Wm (120 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
67	M71	X	.624	.624	0	%100
68	M71	Z	.361	.361	0	%100
69	M82	X	.198	.198	0	%100
70	M82	Z	.114	.114	0	%100
71	M83	X	.791	.791	0	%100
72	M83	Z	.457	.457	0	%100
73	M84	X	.198	.198	0	%100
74	M84	Z	.114	.114	0	%100
75	M86	X	.87	.87	0	%100
76	M86	Z	.503	.503	0	%100
77	M88	X	.87	.87	0	%100
78	M88	Z	.503	.503	0	%100
79	M90	X	.224	.224	0	%100
80	M90	Z	.129	.129	0	%100
81	MP4C	X	.516	.516	0	%100
82	MP4C	Z	.298	.298	0	%100
83	M95	X	.47	.47	0	%100
84	M95	Z	.271	.271	0	%100
85	M97	X	.47	.47	0	%100
86	M97	Z	.271	.271	0	%100
87	M99	X	.47	.47	0	%100
88	M99	Z	.271	.271	0	%100

**Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	.47	.47	0	%100
2	M1	Z	.815	.815	0	%100
3	M2	X	.132	.132	0	%100
4	M2	Z	.229	.229	0	%100
5	M3	X	.47	.47	0	%100
6	M3	Z	.815	.815	0	%100
7	M4	X	.526	.526	0	%100
8	M4	Z	.912	.912	0	%100
9	M5	X	.089	.089	0	%100
10	M5	Z	.155	.155	0	%100
11	M8	X	.116	.116	0	%100
12	M8	Z	.201	.201	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	.131	.131	0	%100
16	M10	Z	.227	.227	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	.131	.131	0	%100
20	M12	Z	.227	.227	0	%100
21	M13	X	.357	.357	0	%100
22	M13	Z	.619	.619	0	%100
23	M16	X	.465	.465	0	%100
24	M16	Z	.805	.805	0	%100
25	M17	X	.47	.47	0	%100
26	M17	Z	.815	.815	0	%100
27	M18	X	.526	.526	0	%100
28	M18	Z	.912	.912	0	%100
29	M19	X	.47	.47	0	%100
30	M19	Z	.815	.815	0	%100
31	M20	X	.132	.132	0	%100



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**Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Locationft.	End Locationft.
32	M20	Z	.229	.229	0	%100
33	M21	X	.089	.089	0	%100
34	M21	Z	.155	.155	0	%100
35	M24	X	.116	.116	0	%100
36	M24	Z	.201	.201	0	%100
37	MP1A	X	.298	.298	0	%100
38	MP1A	Z	.516	.516	0	%100
39	MP2A	X	.298	.298	0	%100
40	MP2A	Z	.516	.516	0	%100
41	MP3A	X	.298	.298	0	%100
42	MP3A	Z	.516	.516	0	%100
43	MP4A	X	.298	.298	0	%100
44	MP4A	Z	.516	.516	0	%100
45	MP1C	X	.298	.298	0	%100
46	MP1C	Z	.516	.516	0	%100
47	MP2C	X	.298	.298	0	%100
48	MP2C	Z	.516	.516	0	%100
49	MP3CA	X	.298	.298	0	%100
50	MP3CA	Z	.516	.516	0	%100
51	MP4CA	X	.298	.298	0	%100
52	MP4CA	Z	.516	.516	0	%100
53	MP1B	X	.298	.298	0	%100
54	MP1B	Z	.516	.516	0	%100
55	MP2B	X	.298	.298	0	%100
56	MP2B	Z	.516	.516	0	%100
57	MP3B	X	.298	.298	0	%100
58	MP3B	Z	.516	.516	0	%100
59	MP4B	X	.298	.298	0	%100
60	MP4B	Z	.516	.516	0	%100
61	MP3C	X	.298	.298	0	%100
62	MP3C	Z	.516	.516	0	%100
63	M61	X	.27	.27	0	%100
64	M61	Z	.468	.468	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	.27	.27	0	%100
68	M71	Z	.468	.468	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	.343	.343	0	%100
72	M83	Z	.593	.593	0	%100
73	M84	X	.343	.343	0	%100
74	M84	Z	.593	.593	0	%100
75	M86	X	.254	.254	0	%100
76	M86	Z	.439	.439	0	%100
77	M88	X	.627	.627	0	%100
78	M88	Z	1.086	1.086	0	%100
79	M90	X	.254	.254	0	%100
80	M90	Z	.439	.439	0	%100
81	MP4C	X	.298	.298	0	%100
82	MP4C	Z	.516	.516	0	%100
83	M95	X	.271	.271	0	%100
84	M95	Z	.47	.47	0	%100
85	M97	X	.271	.271	0	%100
86	M97	Z	.47	.47	0	%100
87	M99	X	.271	.271	0	%100
88	M99	Z	.47	.47	0	%100



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**Member Distributed Loads (BLC 71 : Structure Wm (180 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft]	End Location[ft]
1	M1	X	0	0	0	%100
2	M1	Z	1.254	1.254	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.791	.791	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	1.254	1.254	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.791	.791	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	0	0	0	%100
11	M8	X	0	0	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	.314	.314	0	%100
15	M10	X	0	0	0	%100
16	M10	Z	3e-6	3e-6	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	.314	.314	0	%100
19	M12	X	0	0	0	%100
20	M12	Z	.788	.788	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	.536	.536	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	.697	.697	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	.314	.314	0	%100
27	M18	X	0	0	0	%100
28	M18	Z	.788	.788	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	.314	.314	0	%100
31	M20	X	0	0	0	%100
32	M20	Z	3e-6	3e-6	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	.536	.536	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	.697	.697	0	%100
37	MP1A	X	0	0	0	%100
38	MP1A	Z	.596	.596	0	%100
39	MP2A	X	0	0	0	%100
40	MP2A	Z	.596	.596	0	%100
41	MP3A	X	0	0	0	%100
42	MP3A	Z	.596	.596	0	%100
43	MP4A	X	0	0	0	%100
44	MP4A	Z	.596	.596	0	%100
45	MP1C	X	0	0	0	%100
46	MP1C	Z	.596	.596	0	%100
47	MP2C	X	0	0	0	%100
48	MP2C	Z	.596	.596	0	%100
49	MP3CA	X	0	0	0	%100
50	MP3CA	Z	.596	.596	0	%100
51	MP4CA	X	0	0	0	%100
52	MP4CA	Z	.596	.596	0	%100
53	MP1B	X	0	0	0	%100
54	MP1B	Z	.596	.596	0	%100
55	MP2B	X	0	0	0	%100
56	MP2B	Z	.596	.596	0	%100
57	MP3B	X	0	0	0	%100



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**Member Distributed Loads (BLC 71 : Structure Wm (180 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft..
58	MP3B	Z	.596	.596	0	%100
59	MP4B	X	0	0	0	%100
60	MP4B	Z	.596	.596	0	%100
61	MP3C	X	0	0	0	%100
62	MP3C	Z	.596	.596	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	.721	.721	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	.18	.18	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	.18	.18	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	.228	.228	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	.228	.228	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	.914	.914	0	%100
75	M86	X	0	0	0	%100
76	M86	Z	.258	.258	0	%100
77	M88	X	0	0	0	%100
78	M88	Z	1.005	1.005	0	%100
79	M90	X	0	0	0	%100
80	M90	Z	1.005	1.005	0	%100
81	MP4C	X	0	0	0	%100
82	MP4C	Z	.596	.596	0	%100
83	M95	X	0	0	0	%100
84	M95	Z	.543	.543	0	%100
85	M97	X	0	0	0	%100
86	M97	Z	.543	.543	0	%100
87	M99	X	0	0	0	%100
88	M99	Z	.543	.543	0	%100

**Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft..
1	M1	X	-.47	-.47	0	%100
2	M1	Z	.815	.815	0	%100
3	M2	X	-.526	-.526	0	%100
4	M2	Z	.912	.912	0	%100
5	M3	X	-.47	-.47	0	%100
6	M3	Z	.815	.815	0	%100
7	M4	X	-.132	-.132	0	%100
8	M4	Z	.229	.229	0	%100
9	M5	X	-.089	-.089	0	%100
10	M5	Z	.155	.155	0	%100
11	M8	X	-.116	-.116	0	%100
12	M8	Z	.201	.201	0	%100
13	M9	X	-.47	-.47	0	%100
14	M9	Z	.815	.815	0	%100
15	M10	X	-.132	-.132	0	%100
16	M10	Z	.229	.229	0	%100
17	M11	X	-.47	-.47	0	%100
18	M11	Z	.815	.815	0	%100
19	M12	X	-.526	-.526	0	%100
20	M12	Z	.912	.912	0	%100
21	M13	X	-.089	-.089	0	%100
22	M13	Z	.155	.155	0	%100



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**Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft..
23	M16	X	-.116	-.116	0	%100
24	M16	Z	.201	.201	0	%100
25	M17	X	0	0	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-.131	-.131	0	%100
28	M18	Z	.227	.227	0	%100
29	M19	X	0	0	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-.131	-.131	0	%100
32	M20	Z	.227	.227	0	%100
33	M21	X	-.357	-.357	0	%100
34	M21	Z	.619	.619	0	%100
35	M24	X	-.465	-.465	0	%100
36	M24	Z	.805	.805	0	%100
37	MP1A	X	-.298	-.298	0	%100
38	MP1A	Z	.516	.516	0	%100
39	MP2A	X	-.298	-.298	0	%100
40	MP2A	Z	.516	.516	0	%100
41	MP3A	X	-.298	-.298	0	%100
42	MP3A	Z	.516	.516	0	%100
43	MP4A	X	-.298	-.298	0	%100
44	MP4A	Z	.516	.516	0	%100
45	MP1C	X	-.298	-.298	0	%100
46	MP1C	Z	.516	.516	0	%100
47	MP2C	X	-.298	-.298	0	%100
48	MP2C	Z	.516	.516	0	%100
49	MP3CA	X	-.298	-.298	0	%100
50	MP3CA	Z	.516	.516	0	%100
51	MP4CA	X	-.298	-.298	0	%100
52	MP4CA	Z	.516	.516	0	%100
53	MP1B	X	-.298	-.298	0	%100
54	MP1B	Z	.516	.516	0	%100
55	MP2B	X	-.298	-.298	0	%100
56	MP2B	Z	.516	.516	0	%100
57	MP3B	X	-.298	-.298	0	%100
58	MP3B	Z	.516	.516	0	%100
59	MP4B	X	-.298	-.298	0	%100
60	MP4B	Z	.516	.516	0	%100
61	MP3C	X	-.298	-.298	0	%100
62	MP3C	Z	.516	.516	0	%100
63	M61	X	-.27	-.27	0	%100
64	M61	Z	.468	.468	0	%100
65	M66	X	-.27	-.27	0	%100
66	M66	Z	.468	.468	0	%100
67	M71	X	0	0	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-.343	-.343	0	%100
70	M82	Z	.593	.593	0	%100
71	M83	X	0	0	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	-.343	-.343	0	%100
74	M84	Z	.593	.593	0	%100
75	M86	X	-.254	-.254	0	%100
76	M86	Z	.439	.439	0	%100
77	M88	X	-.254	-.254	0	%100
78	M88	Z	.439	.439	0	%100
79	M90	X	-.627	-.627	0	%100



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**Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft..
80	M90	Z	1.086	1.086	0	%100
81	MP4C	X	-.298	-.298	0	%100
82	MP4C	Z	.516	.516	0	%100
83	M95	X	-.271	-.271	0	%100
84	M95	Z	.47	.47	0	%100
85	M97	X	-.271	-.271	0	%100
86	M97	Z	.47	.47	0	%100
87	M99	X	-.271	-.271	0	%100
88	M99	Z	.47	.47	0	%100

**Member Distributed Loads (BLC 73 : Structure Wm (240 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft..
1	M1	X	-.272	-.272	0	%100
2	M1	Z	.157	.157	0	%100
3	M2	X	-.683	-.683	0	%100
4	M2	Z	.394	.394	0	%100
5	M3	X	-.272	-.272	0	%100
6	M3	Z	.157	.157	0	%100
7	M4	X	-3e-6	-3e-6	0	%100
8	M4	Z	2e-6	2e-6	0	%100
9	M5	X	-.464	-.464	0	%100
10	M5	Z	.268	.268	0	%100
11	M8	X	-.604	-.604	0	%100
12	M8	Z	.349	.349	0	%100
13	M9	X	-1.086	-1.086	0	%100
14	M9	Z	.627	.627	0	%100
15	M10	X	-.685	-.685	0	%100
16	M10	Z	.396	.396	0	%100
17	M11	X	-1.086	-1.086	0	%100
18	M11	Z	.627	.627	0	%100
19	M12	X	-.685	-.685	0	%100
20	M12	Z	.396	.396	0	%100
21	M13	X	0	0	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	0	0	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-.272	-.272	0	%100
26	M17	Z	.157	.157	0	%100
27	M18	X	-3e-6	-3e-6	0	%100
28	M18	Z	2e-6	2e-6	0	%100
29	M19	X	-.272	-.272	0	%100
30	M19	Z	.157	.157	0	%100
31	M20	X	-.683	-.683	0	%100
32	M20	Z	.394	.394	0	%100
33	M21	X	-.464	-.464	0	%100
34	M21	Z	.268	.268	0	%100
35	M24	X	-.604	-.604	0	%100
36	M24	Z	.349	.349	0	%100
37	MP1A	X	-.516	-.516	0	%100
38	MP1A	Z	.298	.298	0	%100
39	MP2A	X	-.516	-.516	0	%100
40	MP2A	Z	.298	.298	0	%100
41	MP3A	X	-.516	-.516	0	%100
42	MP3A	Z	.298	.298	0	%100
43	MP4A	X	-.516	-.516	0	%100
44	MP4A	Z	.298	.298	0	%100



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**Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft..
45	MP1C	X	-.516	-.516	0	%100
46	MP1C	Z	.298	.298	0	%100
47	MP2C	X	-.516	-.516	0	%100
48	MP2C	Z	.298	.298	0	%100
49	MP3CA	X	-.516	-.516	0	%100
50	MP3CA	Z	.298	.298	0	%100
51	MP4CA	X	-.516	-.516	0	%100
52	MP4CA	Z	.298	.298	0	%100
53	MP1B	X	-.516	-.516	0	%100
54	MP1B	Z	.298	.298	0	%100
55	MP2B	X	-.516	-.516	0	%100
56	MP2B	Z	.298	.298	0	%100
57	MP3B	X	-.516	-.516	0	%100
58	MP3B	Z	.298	.298	0	%100
59	MP4B	X	-.516	-.516	0	%100
60	MP4B	Z	.298	.298	0	%100
61	MP3C	X	-.516	-.516	0	%100
62	MP3C	Z	.298	.298	0	%100
63	M61	X	-.156	-.156	0	%100
64	M61	Z	.09	.09	0	%100
65	M66	X	-.624	-.624	0	%100
66	M66	Z	.361	.361	0	%100
67	M71	X	-.156	-.156	0	%100
68	M71	Z	.09	.09	0	%100
69	M82	X	-.791	-.791	0	%100
70	M82	Z	.457	.457	0	%100
71	M83	X	-.198	-.198	0	%100
72	M83	Z	.114	.114	0	%100
73	M84	X	-.198	-.198	0	%100
74	M84	Z	.114	.114	0	%100
75	M86	X	-.87	-.87	0	%100
76	M86	Z	.503	.503	0	%100
77	M88	X	-.224	-.224	0	%100
78	M88	Z	.129	.129	0	%100
79	M90	X	-.87	-.87	0	%100
80	M90	Z	.503	.503	0	%100
81	MP4C	X	-.516	-.516	0	%100
82	MP4C	Z	.298	.298	0	%100
83	M95	X	-.47	-.47	0	%100
84	M95	Z	.271	.271	0	%100
85	M97	X	-.47	-.47	0	%100
86	M97	Z	.271	.271	0	%100
87	M99	X	-.47	-.47	0	%100
88	M99	Z	.271	.271	0	%100

**Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[ft..	End Location[ft..
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	-.262	-.262	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.262	-.262	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.715	-.715	0	%100



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**Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Locationft...
10	M5	Z	0	0	0	%100
11	M8	X	-93	-93	0	%100
12	M8	Z	0	0	0	%100
13	M9	X	-941	-941	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-1.053	-1.053	0	%100
16	M10	Z	0	0	0	%100
17	M11	X	-941	-941	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-265	-265	0	%100
20	M12	Z	0	0	0	%100
21	M13	X	-179	-179	0	%100
22	M13	Z	0	0	0	%100
23	M16	X	-232	-232	0	%100
24	M16	Z	0	0	0	%100
25	M17	X	-941	-941	0	%100
26	M17	Z	0	0	0	%100
27	M18	X	-265	-265	0	%100
28	M18	Z	0	0	0	%100
29	M19	X	-941	-941	0	%100
30	M19	Z	0	0	0	%100
31	M20	X	-1.053	-1.053	0	%100
32	M20	Z	0	0	0	%100
33	M21	X	-179	-179	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	-232	-232	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-596	-596	0	%100
38	MP1A	Z	0	0	0	%100
39	MP2A	X	-596	-596	0	%100
40	MP2A	Z	0	0	0	%100
41	MP3A	X	-596	-596	0	%100
42	MP3A	Z	0	0	0	%100
43	MP4A	X	-596	-596	0	%100
44	MP4A	Z	0	0	0	%100
45	MP1C	X	-596	-596	0	%100
46	MP1C	Z	0	0	0	%100
47	MP2C	X	-596	-596	0	%100
48	MP2C	Z	0	0	0	%100
49	MP3CA	X	-596	-596	0	%100
50	MP3CA	Z	0	0	0	%100
51	MP4CA	X	-596	-596	0	%100
52	MP4CA	Z	0	0	0	%100
53	MP1B	X	-596	-596	0	%100
54	MP1B	Z	0	0	0	%100
55	MP2B	X	-596	-596	0	%100
56	MP2B	Z	0	0	0	%100
57	MP3B	X	-596	-596	0	%100
58	MP3B	Z	0	0	0	%100
59	MP4B	X	-596	-596	0	%100
60	MP4B	Z	0	0	0	%100
61	MP3C	X	-596	-596	0	%100
62	MP3C	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M66	X	-541	-541	0	%100
66	M66	Z	0	0	0	%100



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**Member Distributed Loads (BLC 74 : Structure Wm (270 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..	End Location[ft..
67	M71	X	-.541	-.541	0	%100
68	M71	Z	0	0	0	%100
69	M82	X	-.685	-.685	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-.685	-.685	0	%100
72	M83	Z	0	0	0	%100
73	M84	X	0	0	0	%100
74	M84	Z	0	0	0	%100
75	M86	X	-1.254	-1.254	0	%100
76	M86	Z	0	0	0	%100
77	M88	X	-.507	-.507	0	%100
78	M88	Z	0	0	0	%100
79	M90	X	-.507	-.507	0	%100
80	M90	Z	0	0	0	%100
81	MP4C	X	-.596	-.596	0	%100
82	MP4C	Z	0	0	0	%100
83	M95	X	-.543	-.543	0	%100
84	M95	Z	0	0	0	%100
85	M97	X	-.543	-.543	0	%100
86	M97	Z	0	0	0	%100
87	M99	X	-.543	-.543	0	%100
88	M99	Z	0	0	0	%100

**Member Distributed Loads (BLC 75 : Structure Wm (300 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..	End Location[ft..
1	M1	X	-.272	-.272	0	%100
2	M1	Z	-.157	-.157	0	%100
3	M2	X	-3e-6	-3e-6	0	%100
4	M2	Z	-2e-6	-2e-6	0	%100
5	M3	X	-.272	-.272	0	%100
6	M3	Z	-.157	-.157	0	%100
7	M4	X	-.683	-.683	0	%100
8	M4	Z	-.394	-.394	0	%100
9	M5	X	-.464	-.464	0	%100
10	M5	Z	-.268	-.268	0	%100
11	M8	X	-.604	-.604	0	%100
12	M8	Z	-.349	-.349	0	%100
13	M9	X	-.272	-.272	0	%100
14	M9	Z	-.157	-.157	0	%100
15	M10	X	-.683	-.683	0	%100
16	M10	Z	-.394	-.394	0	%100
17	M11	X	-.272	-.272	0	%100
18	M11	Z	-.157	-.157	0	%100
19	M12	X	-3e-6	-3e-6	0	%100
20	M12	Z	-2e-6	-2e-6	0	%100
21	M13	X	-.464	-.464	0	%100
22	M13	Z	-.268	-.268	0	%100
23	M16	X	-.604	-.604	0	%100
24	M16	Z	-.349	-.349	0	%100
25	M17	X	-1.086	-1.086	0	%100
26	M17	Z	-.627	-.627	0	%100
27	M18	X	-.685	-.685	0	%100
28	M18	Z	-.396	-.396	0	%100
29	M19	X	-1.086	-1.086	0	%100
30	M19	Z	-.627	-.627	0	%100
31	M20	X	-.685	-.685	0	%100



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**Member Distributed Loads (BLC 75 : Structure Wm (300 Deq)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft.	End Locationft.
32	M20	Z	-396	-396	0	%100
33	M21	X	0	0	0	%100
34	M21	Z	0	0	0	%100
35	M24	X	0	0	0	%100
36	M24	Z	0	0	0	%100
37	MP1A	X	-516	-516	0	%100
38	MP1A	Z	-298	-298	0	%100
39	MP2A	X	-516	-516	0	%100
40	MP2A	Z	-298	-298	0	%100
41	MP3A	X	-516	-516	0	%100
42	MP3A	Z	-298	-298	0	%100
43	MP4A	X	-516	-516	0	%100
44	MP4A	Z	-298	-298	0	%100
45	MP1C	X	-516	-516	0	%100
46	MP1C	Z	-298	-298	0	%100
47	MP2C	X	-516	-516	0	%100
48	MP2C	Z	-298	-298	0	%100
49	MP3CA	X	-516	-516	0	%100
50	MP3CA	Z	-298	-298	0	%100
51	MP4CA	X	-516	-516	0	%100
52	MP4CA	Z	-298	-298	0	%100
53	MP1B	X	-516	-516	0	%100
54	MP1B	Z	-298	-298	0	%100
55	MP2B	X	-516	-516	0	%100
56	MP2B	Z	-298	-298	0	%100
57	MP3B	X	-516	-516	0	%100
58	MP3B	Z	-298	-298	0	%100
59	MP4B	X	-516	-516	0	%100
60	MP4B	Z	-298	-298	0	%100
61	MP3C	X	-516	-516	0	%100
62	MP3C	Z	-298	-298	0	%100
63	M61	X	-156	-156	0	%100
64	M61	Z	-.09	-.09	0	%100
65	M66	X	-156	-156	0	%100
66	M66	Z	-.09	-.09	0	%100
67	M71	X	-.624	-.624	0	%100
68	M71	Z	-.361	-.361	0	%100
69	M82	X	-.198	-.198	0	%100
70	M82	Z	-.114	-.114	0	%100
71	M83	X	-.791	-.791	0	%100
72	M83	Z	-.457	-.457	0	%100
73	M84	X	-.198	-.198	0	%100
74	M84	Z	-.114	-.114	0	%100
75	M86	X	-.87	-.87	0	%100
76	M86	Z	-.503	-.503	0	%100
77	M88	X	-.87	-.87	0	%100
78	M88	Z	-.503	-.503	0	%100
79	M90	X	-.224	-.224	0	%100
80	M90	Z	-.129	-.129	0	%100
81	MP4C	X	-516	-516	0	%100
82	MP4C	Z	-298	-298	0	%100
83	M95	X	-.47	-.47	0	%100
84	M95	Z	-.271	-.271	0	%100
85	M97	X	-.47	-.47	0	%100
86	M97	Z	-.271	-.271	0	%100
87	M99	X	-.47	-.47	0	%100
88	M99	Z	-.271	-.271	0	%100



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**Member Distributed Loads (BLC 76 : Structure Wm (330 Deg))**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft]	End Location[ft]
1	M1	X	-47	-47	0	%100
2	M1	Z	-815	-815	0	%100
3	M2	X	-132	-132	0	%100
4	M2	Z	-229	-229	0	%100
5	M3	X	-47	-47	0	%100
6	M3	Z	-815	-815	0	%100
7	M4	X	-526	-526	0	%100
8	M4	Z	-912	-912	0	%100
9	M5	X	-089	-089	0	%100
10	M5	Z	-155	-155	0	%100
11	M8	X	-116	-116	0	%100
12	M8	Z	-201	-201	0	%100
13	M9	X	0	0	0	%100
14	M9	Z	0	0	0	%100
15	M10	X	-131	-131	0	%100
16	M10	Z	-227	-227	0	%100
17	M11	X	0	0	0	%100
18	M11	Z	0	0	0	%100
19	M12	X	-131	-131	0	%100
20	M12	Z	-227	-227	0	%100
21	M13	X	-357	-357	0	%100
22	M13	Z	-619	-619	0	%100
23	M16	X	-465	-465	0	%100
24	M16	Z	-805	-805	0	%100
25	M17	X	-47	-47	0	%100
26	M17	Z	-815	-815	0	%100
27	M18	X	-526	-526	0	%100
28	M18	Z	-912	-912	0	%100
29	M19	X	-47	-47	0	%100
30	M19	Z	-815	-815	0	%100
31	M20	X	-132	-132	0	%100
32	M20	Z	-229	-229	0	%100
33	M21	X	-089	-089	0	%100
34	M21	Z	-155	-155	0	%100
35	M24	X	-116	-116	0	%100
36	M24	Z	-201	-201	0	%100
37	MP1A	X	-298	-298	0	%100
38	MP1A	Z	-516	-516	0	%100
39	MP2A	X	-298	-298	0	%100
40	MP2A	Z	-516	-516	0	%100
41	MP3A	X	-298	-298	0	%100
42	MP3A	Z	-516	-516	0	%100
43	MP4A	X	-298	-298	0	%100
44	MP4A	Z	-516	-516	0	%100
45	MP1C	X	-298	-298	0	%100
46	MP1C	Z	-516	-516	0	%100
47	MP2C	X	-298	-298	0	%100
48	MP2C	Z	-516	-516	0	%100
49	MP3CA	X	-298	-298	0	%100
50	MP3CA	Z	-516	-516	0	%100
51	MP4CA	X	-298	-298	0	%100
52	MP4CA	Z	-516	-516	0	%100
53	MP1B	X	-298	-298	0	%100
54	MP1B	Z	-516	-516	0	%100
55	MP2B	X	-298	-298	0	%100
56	MP2B	Z	-516	-516	0	%100
57	MP3B	X	-298	-298	0	%100



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**Member Distributed Loads (BLC 76 : Structure Wm (330 Deg)) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
58	MP3B	Z	-516	-516	0	%100
59	MP4B	X	-298	-298	0	%100
60	MP4B	Z	-516	-516	0	%100
61	MP3C	X	-298	-298	0	%100
62	MP3C	Z	-516	-516	0	%100
63	M61	X	-27	-27	0	%100
64	M61	Z	-468	-468	0	%100
65	M66	X	0	0	0	%100
66	M66	Z	0	0	0	%100
67	M71	X	-27	-27	0	%100
68	M71	Z	-468	-468	0	%100
69	M82	X	0	0	0	%100
70	M82	Z	0	0	0	%100
71	M83	X	-343	-343	0	%100
72	M83	Z	-593	-593	0	%100
73	M84	X	-343	-343	0	%100
74	M84	Z	-593	-593	0	%100
75	M86	X	-254	-254	0	%100
76	M86	Z	-439	-439	0	%100
77	M88	X	-627	-627	0	%100
78	M88	Z	-1.086	-1.086	0	%100
79	M90	X	-254	-254	0	%100
80	M90	Z	-439	-439	0	%100
81	MP4C	X	-298	-298	0	%100
82	MP4C	Z	-516	-516	0	%100
83	M95	X	-271	-271	0	%100
84	M95	Z	-47	-47	0	%100
85	M97	X	-271	-271	0	%100
86	M97	Z	-47	-47	0	%100
87	M99	X	-271	-271	0	%100
88	M99	Z	-47	-47	0	%100

**Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)**

	Member Label	Direction	Start Magnitude[lb/ft.F.ksf]	End Magnitude[lb/ft.F.ksf]	Start Location[ft.]	End Location[ft.]
1	M1	Y	-102	-3.017	0	2
2	M1	Y	-3.017	-4.935	2	4
3	M1	Y	-4.935	-4.659	4	6
4	M1	Y	-4.659	-4.659	6	8
5	M1	Y	-4.659	-4.935	8	10
6	M1	Y	-4.935	-3.017	10	12
7	M1	Y	-3.017	-102	12	14
8	M2	Y	-5	-2.435	0	1.923
9	M2	Y	-2.435	-4.37	1.923	3.845
10	M3	Y	-5.056	-5.056	.013	7.32
11	M4	Y	-4.37	-2.435	0	1.923
12	M4	Y	-2.435	-5	1.923	3.845
13	M9	Y	-1.029	-2.633	0	2.333
14	M9	Y	-2.633	-4.712	2.333	4.667
15	M9	Y	-4.712	-5.988	4.667	7
16	M9	Y	-5.988	-4.712	7	9.333
17	M9	Y	-4.712	-2.633	9.333	11.667
18	M9	Y	-2.633	-1.029	11.667	14
19	M10	Y	-5	-2.435	0	1.923
20	M10	Y	-2.435	-4.37	1.923	3.845
21	M11	Y	-5.056	-5.056	.013	7.32
22	M12	Y	-4.37	-2.435	0	1.923



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..	End Location[ft..
23	M12	Y	-2.435	-5	1.923	3.845
24	M17	Y	-1.029	-2.633	0	2.333
25	M17	Y	-2.633	-4.712	2.333	4.667
26	M17	Y	-4.712	-5.988	4.667	7
27	M17	Y	-5.988	-4.712	7	9.333
28	M17	Y	-4.712	-2.633	9.333	11.667
29	M17	Y	-2.633	-1.029	11.667	14
30	M18	Y	-5	-2.435	0	1.923
31	M18	Y	-2.435	-4.37	1.923	3.845
32	M19	Y	-5.056	-5.056	.013	7.32
33	M20	Y	-4.37	-2.435	0	1.923
34	M20	Y	-2.435	-5	1.923	3.845

**Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..	End Location[ft..
1	M1	Y	-.307	-9.109	0	2
2	M1	Y	-9.109	-14.899	2	4
3	M1	Y	-14.899	-14.066	4	6
4	M1	Y	-14.066	-14.066	6	8
5	M1	Y	-14.066	-14.899	8	10
6	M1	Y	-14.899	-9.109	10	12
7	M1	Y	-9.109	-.307	12	14
8	M2	Y	-1.508	-7.351	0	1.923
9	M2	Y	-7.351	-13.193	1.923	3.845
10	M3	Y	-15.265	-15.265	.013	7.32
11	M4	Y	-13.193	-7.351	0	1.923
12	M4	Y	-7.351	-1.508	1.923	3.845
13	M9	Y	-3.106	-7.949	0	2.333
14	M9	Y	-7.949	-14.225	2.333	4.667
15	M9	Y	-14.225	-18.08	4.667	7
16	M9	Y	-18.08	-14.225	7	9.333
17	M9	Y	-14.225	-7.949	9.333	11.667
18	M9	Y	-7.949	-3.106	11.667	14
19	M10	Y	-1.508	-7.351	0	1.923
20	M10	Y	-7.351	-13.193	1.923	3.845
21	M11	Y	-15.265	-15.265	.013	7.32
22	M12	Y	-13.193	-7.351	0	1.923
23	M12	Y	-7.351	-1.508	1.923	3.845
24	M17	Y	-3.106	-7.949	0	2.333
25	M17	Y	-7.949	-14.225	2.333	4.667
26	M17	Y	-14.225	-18.08	4.667	7
27	M17	Y	-18.08	-14.225	7	9.333
28	M17	Y	-14.225	-7.949	9.333	11.667
29	M17	Y	-7.949	-3.106	11.667	14
30	M18	Y	-1.508	-7.351	0	1.923
31	M18	Y	-7.351	-13.193	1.923	3.845
32	M19	Y	-15.265	-15.265	.013	7.32
33	M20	Y	-13.193	-7.351	0	1.923
34	M20	Y	-7.351	-1.508	1.923	3.845

**Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)**

	Member Label	Direction	Start Magnitude[lb/ft,F,ksf]	End Magnitude[lb/ft,F,ksf]	Start Location[ft..	End Location[ft..
1	M1	Y	-.004	-.117	0	2
2	M1	Y	-.117	-.191	2	4
3	M1	Y	-.191	-.18	4	6
4	M1	Y	-.18	-.18	6	8



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft..
5	M1	Y	-.18	-.191	8	10
6	M1	Y	-.191	-.117	10	12
7	M1	Y	-.117	-.004	12	14
8	M2	Y	-.019	-.094	0	1.923
9	M2	Y	-.094	-.169	1.923	3.845
10	M3	Y	-.195	-.195	.013	7.32
11	M4	Y	-.169	-.094	0	1.923
12	M4	Y	-.094	-.019	1.923	3.845
13	M9	Y	-.04	-.102	0	2.333
14	M9	Y	-.102	-.182	2.333	4.667
15	M9	Y	-.182	-.231	4.667	7
16	M9	Y	-.231	-.182	7	9.333
17	M9	Y	-.182	-.102	9.333	11.667
18	M9	Y	-.102	-.04	11.667	14
19	M10	Y	-.019	-.094	0	1.923
20	M10	Y	-.094	-.169	1.923	3.845
21	M11	Y	-.195	-.195	.013	7.32
22	M12	Y	-.169	-.094	0	1.923
23	M12	Y	-.094	-.019	1.923	3.845
24	M17	Y	-.04	-.102	0	2.333
25	M17	Y	-.102	-.182	2.333	4.667
26	M17	Y	-.182	-.231	4.667	7
27	M17	Y	-.231	-.182	7	9.333
28	M17	Y	-.182	-.102	9.333	11.667
29	M17	Y	-.102	-.04	11.667	14
30	M18	Y	-.019	-.094	0	1.923
31	M18	Y	-.094	-.169	1.923	3.845
32	M19	Y	-.195	-.195	.013	7.32
33	M20	Y	-.169	-.094	0	1.923
34	M20	Y	-.094	-.019	1.923	3.845

**Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Location[f..	End Location[ft..
1	M1	Z	-.01	-.291	0	2
2	M1	Z	-.291	-.476	2	4
3	M1	Z	-.476	-.45	4	6
4	M1	Z	-.45	-.45	6	8
5	M1	Z	-.45	-.476	8	10
6	M1	Z	-.476	-.291	10	12
7	M1	Z	-.291	-.01	12	14
8	M2	Z	-.048	-.235	0	1.923
9	M2	Z	-.235	-.422	1.923	3.845
10	M3	Z	-.488	-.488	.013	7.32
11	M4	Z	-.422	-.235	0	1.923
12	M4	Z	-.235	-.048	1.923	3.845
13	M9	Z	-.099	-.254	0	2.333
14	M9	Z	-.254	-.455	2.333	4.667
15	M9	Z	-.455	-.578	4.667	7
16	M9	Z	-.578	-.455	7	9.333
17	M9	Z	-.455	-.254	9.333	11.667
18	M9	Z	-.254	-.099	11.667	14
19	M10	Z	-.048	-.235	0	1.923
20	M10	Z	-.235	-.422	1.923	3.845
21	M11	Z	-.488	-.488	.013	7.32
22	M12	Z	-.422	-.235	0	1.923
23	M12	Z	-.235	-.048	1.923	3.845



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft..	End Locationft..
24	M17	Z	-.099	-.254	0	2.333
25	M17	Z	-.254	-.455	2.333	4.667
26	M17	Z	-.455	-.578	4.667	7
27	M17	Z	-.578	-.455	7	9.333
28	M17	Z	-.455	-.254	9.333	11.667
29	M17	Z	-.254	-.099	11.667	14
30	M18	Z	-.048	-.235	0	1.923
31	M18	Z	-.235	-.422	1.923	3.845
32	M19	Z	-.488	-.488	.013	7.32
33	M20	Z	-.422	-.235	0	1.923
34	M20	Z	-.235	-.048	1.923	3.845

**Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)**

	Member Label	Direction	Start Magnitude[lb/ft.F,ksf]	End Magnitude[lb/ft.F,ksf]	Start Locationft..	End Locationft..
1	M1	X	.01	.291	0	2
2	M1	X	.291	.476	2	4
3	M1	X	.476	.45	4	6
4	M1	X	.45	.45	6	8
5	M1	X	.45	.476	8	10
6	M1	X	.476	.291	10	12
7	M1	X	.291	.01	12	14
8	M2	X	.048	.235	0	1.923
9	M2	X	.235	.422	1.923	3.845
10	M3	X	.488	.488	.013	7.32
11	M4	X	.422	.235	0	1.923
12	M4	X	.235	.048	1.923	3.845
13	M9	X	.099	.254	0	2.333
14	M9	X	.254	.455	2.333	4.667
15	M9	X	.455	.578	4.667	7
16	M9	X	.578	.455	7	9.333
17	M9	X	.455	.254	9.333	11.667
18	M9	X	.254	.099	11.667	14
19	M10	X	.048	.235	0	1.923
20	M10	X	.235	.422	1.923	3.845
21	M11	X	.488	.488	.013	7.32
22	M12	X	.422	.235	0	1.923
23	M12	X	.235	.048	1.923	3.845
24	M17	X	.099	.254	0	2.333
25	M17	X	.254	.455	2.333	4.667
26	M17	X	.455	.578	4.667	7
27	M17	X	.578	.455	7	9.333
28	M17	X	.455	.254	9.333	11.667
29	M17	X	.254	.099	11.667	14
30	M18	X	.048	.235	0	1.923
31	M18	X	.235	.422	1.923	3.845
32	M19	X	.488	.488	.013	7.32
33	M20	X	.422	.235	0	1.923
34	M20	X	.235	.048	1.923	3.845

**Member Area Loads (BLC 39 : Structure D)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.005
2	N13	N16	N15	N12	Y	Two Way	-.005
3	N23	N26A	N25	N22	Y	Two Way	-.005



Company :  
 Designer :  
 Job Number :  
 Model Name :

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**Member Area Loads (BLC 40 : Structure Di)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.016
2	N13	N16	N15	N12	Y	Two Way	-.016
3	N23	N26A	N25	N22	Y	Two Way	-.016

**Member Area Loads (BLC 84 : Structure Ev)**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Y	Two Way	-.000201
2	N13	N16	N15	N12	Y	Two Way	-.000201
3	N23	N26A	N25	N22	Y	Two Way	-.000201

**Member Area Loads (BLC 85 : Structure Eh (0 Deg))**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	Z	Two Way	-.000502
2	N13	N16	N15	N12	Z	Two Way	-.000502
3	N23	N26A	N25	N22	Z	Two Way	-.000502

**Member Area Loads (BLC 86 : Structure Eh (90 Deg))**

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N3	N6	N5	N2	X	Two Way	.000502
2	N13	N16	N15	N12	X	Two Way	.000502
3	N23	N26A	N25	N22	X	Two Way	.000502

**Envelope Joint Reactions**

Joint	X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N7	max 1930.53	9	1787.985	21	1205.517	1	-883	1	1.513	8	.455	3
2		min -2107.163	3	426.345	68	-1199.954	7	-3.991	19	-1.635	2	-.518	9
3	N17	max 1697.43	10	1863.908	17	1800.669	1	2.026	13	1.692	5	3.799	16
4		min -1693.188	4	444.235	64	-1902.273	7	.145	7	-1.63	11	.741	10
5	N27	max 1460.612	10	1743.777	24	1827.094	12	2.205	13	1.467	12	-.799	67
6		min -1508.802	4	422.73	72	-1758.874	6	.343	7	-1.4	6	-3.394	22
7	N134	max 62.449	10	1407.609	13	-876.242	70	0	75	0	4	0	10
8		min -62.425	4	341.217	70	-3606.879	13	0	1	0	10	0	4
9	N136	max -727.854	66	1402.559	21	1796.322	21	0	6	0	48	0	48
10		min -3111.684	21	328.075	66	420.22	66	-.001	48	0	6	0	6
11	N137	max 3407.455	17	1527.632	17	1967.57	17	0	8	0	8	0	8
12		min 807.217	74	361.73	74	465.927	73	0	2	0	2	0	2
13	Totals:	max 4793.568	10	9632.752	18	4606.664	1						
14		min -4793.568	4	2362.849	75	-4606.658	7						

**Envelope AISC 15th(360-16): LRFD Steel Code Checks**

Member	Shape	Code Check	L...	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pn...	phi*Pnt...	phi*Mn...	phi*Mn...Cb	Eqn
1	M1	L3X3X5	.457	2...	.128	7	z	35	19170....	57672	2.015	4.393	1... H2-1
2	M2	L3X3X5	.239	0	.034	.961	z	18	141471....	57672	2.015	4.572	3... H2-1
3	M3	L3X3X5	.137	3...	.016	3.667	z	14	17649....	57672	2.015	4.301	1... H2-1
4	M4	L3X3X5	.240	3...	.039	2.884	z	43	41471....	57672	2.015	4.572	3... H2-1
5	M5	HSS4X4X5	.233	0	.074	0	z	3	169034...	169740	19.285	19.285	1... H1-1b
6	M8	HSS4.5X4...	.151	0	.054	0	y	17	119907...	121302	16.25	16.25	1... H1-1b
7	M9	L3X3X5	.382	0	.118	7	z	15	19170....	57672	2.015	2.99	1 H2-1
8	M10	L3X3X5	.216	0	.031	.961	z	14	141471....	57672	2.015	4.572	3... H2-1
9	M11	L3X3X5	.138	3...	.017	3.667	z	18	17649....	57672	2.015	4.317	1... H2-1
10	M12	L3X3X5	.264	3...	.037	2.884	z	19	41471....	57672	2.015	4.572	3... H2-1
11	M13	HSS4X4X5	.251	0	.083	0	z	5	169034...	169740	19.285	19.285	1... H1-1b



**I. Mount-to-Tower Connection Check**

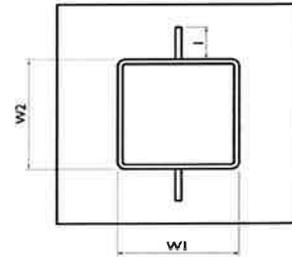
Custom Orientation Required

Tower Connection Bolt Checks

Tower Connection Baseplate Checks

Tower Connection Weld Checks

Weld Shape:	Rectangle
Weld Stiffener Configuration:	(1) Stiffener on top/bottom
Stiffener Notch Present?	Yes
Stiffener Length, l (in):	3
Stiffener Spacing/Width, s (in):	0.25
Stiffener Notch Length, n (in):	5
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	28.00
Weld Total Length (in):	59.62
Z <sub>x</sub> (in <sup>3</sup> /in):	21.33
Z <sub>y</sub> (in <sup>3</sup> /in):	286.33
J <sub>p</sub> (in <sup>4</sup> /in):	5.25
c <sub>x</sub> (in)	5.25
c <sub>y</sub> (in)	1.01
Required combined strength (kip/in):	6.96
Weld Capacity (kip/in):	14.5%
Weld Utilization:	





**MOUNT MODIFICATION DRAWINGS  
EXISTING 14.00' PLATFORM**

**TOWER OWNER: N/A  
TOWER OWNER SITE NUMBER: N/A**

**CARRIER SITE NAME: BLOOMFIELD 3 CT  
CARRIER SITE NUMBER: 5000383112  
FUZE ID: 16272375**

**785 NEW PARK AVE  
BLOOMFIELD, CT 06002  
HARTFORD COUNTY**

**LATITUDE: 41.828486° N  
LONGITUDE: 72.733233° W**



Engineering & Design  
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Doing Business as **MASTER**



ALL SHEETS 157 SHEETS 21272375

REV	DATE	DESCRIPTION	BY	CHKD
1	05/20/2023	ISSUED FOR PERMITS	PA	PA
2	05/20/2023	ISSUED FOR PERMITS	PA	PA
3	05/20/2023	ISSUED FOR PERMITS	PA	PA



STATE OF CONNECTICUT  
REGISTERED PROFESSIONAL ENGINEER  
No. 1000383112  
Peter Albanese  
1000383112

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**SITE NAME:**  
BLOOMFIELD 3 CT  
5000383112  
785 NEW PARK AVE  
BLOOMFIELD, CT 06002  
HARTFORD COUNTY

**SUMMARY:**  
100% Working Drawings  
Colliers Engineering & Design  
1000383112

**TITLE SHEET**

ST-1

SHEET INDEX	
SHEET	DESCRIPTION
ST-1	TITLE SHEET
SBOM-1	BILL OF MATERIALS
SCM-1	GENERAL NOTES
SCF-1	CLIMBING FACILITY DETAIL
SS-1	MODIFICATION DETAILS
SS-2	MOUNT PHOTO
	SPECIFICATION SHEETS

PROJECT INFORMATION	
APPLICANT/LESSEE	PROJECT INFORMATION
VERIZON WIRELESS	VERIZON WIRELESS
CLIENT REPRESENTATIVE	CLIENT REPRESENTATIVE
VERIZON WIRELESS	VERIZON WIRELESS
PROJECT MANAGER	PROJECT MANAGER
COLLIERS ENGINEERING & DESIGN	COLLIERS ENGINEERING & DESIGN
PETER ALBANESE	PETER ALBANESE
PETER.ALBAN@COLLIERSENGINEERING.COM	PETER.ALBAN@COLLIERSENGINEERING.COM
CONTRACTOR PMI REQUIREMENTS	CONTRACTOR PMI REQUIREMENTS
PMI LOCATION: SMART TOOL PROJECT #	PMI LOCATION: SMART TOOL PROJECT #
VZVW LOCATION CODE (PILG): 5000383112	VZVW LOCATION CODE (PILG): 5000383112
ANALYSIS DATE: 6/9/2023	ANALYSIS DATE: 6/9/2023
THE REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT	THE REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

DESIGN CRITERIA	
WIND LOADS	DESIGN CRITERIA
BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH	BASIC WIND SPEED (3 SECOND GUST), V = 120 MPH
EXPOSURE CATEGORY C	EXPOSURE CATEGORY C
TOPOGRAPHIC CATEGORY 1	TOPOGRAPHIC CATEGORY 1
MEAN BASE ELEVATION (AMSL) = 118.67	MEAN BASE ELEVATION (AMSL) = 118.67
ICE LOADS	ICE LOADS
ICE WIND SPEED (3 SECOND GUST), V = 50 MPH	ICE WIND SPEED (3 SECOND GUST), V = 50 MPH
ICE THICKNESS = 1.50 IN	ICE THICKNESS = 1.50 IN
SEISMIC LOADS	SEISMIC LOADS
SEISMIC DESIGN CATEGORY B	SEISMIC DESIGN CATEGORY B
SHORT TERM MCRB GROUND MOTION, S <sub>g</sub> = 0.181	SHORT TERM MCRB GROUND MOTION, S <sub>g</sub> = 0.181
LONG TERM MCRB GROUND MOTION, S <sub>g</sub> = 0.085	LONG TERM MCRB GROUND MOTION, S <sub>g</sub> = 0.085

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NOT TO SCALE UNLESS INDICATED OTHERWISE

**BILL OF MATERIALS**

**SECTION 1 - VZWSMART KITS**

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS)	WEIGHT (LBS)
3		VZWSMART-RLK3	SUPPORT RAIL CORNER BRACKET		30	90
1		VZWSMART-RLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SKN-1.	291	291
1		VZWSMART-RLK7	MONOPOLE COLLAR MOUNT ASSEMBLY		150	150
2		VZWSMART-MSK3D	PIPE TO PIPE CLAMPS		42	84
2		VZWSMART-P40-2JRX072	72" LONG PIPE 2 STD (2.375" OD X 0.154" THK)		22	44
12	VZWSMART	VZWSMART-MSK1	CROSSOVER PLATE		14	168
3		VZWSMART-MSK6	BACK TO BACK CROSSOVER PLATE		34	102
3		VZWSMART-P40-2JRX048	48" LONG PIPE 2 SCH40 (2.375" OD X 0.154" THK)		15	45

**SECTION 2 - OTHER REQUIRED PARTS**

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES	UNIT WEIGHT (LBS)	WEIGHT (LBS)
3		*	1/2" LONG, P2 1/2 STD PIPE	GALVANIZED.	79	237
3		*	30" LONG, 1.315x1/4 ANGLE	GALVANIZED. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SKN-1.	13	39
6		*	6" LONG, HSS3x3x1/4 SHIM	GALVANIZED.	5	30
					<b>TOTAL:</b>	<b>1200</b>

**VZWSMART KITS - APPROVED VENDORS**

<b>CONTACT</b>	<b>COMMSCOPE</b>
<b>PHONE</b>	SALVADOR ANGUIANO
<b>EMAIL</b>	(817) 394-7492
<b>WEBSITE</b>	SALVADOR.ANGUIANO@COMMSCOPE.COM
	WWW.COMMSCOPE.COM
<b>CONTACT</b>	<b>METROSITE FABRICATORS, LLC</b>
<b>PHONE</b>	KENT RAMSEY
<b>EMAIL</b>	(706) 332-7045 (O), (706) 982-2788 (F)
<b>WEBSITE</b>	KENT@METROSITELC.COM
	WWW.METROSITELC.COM
<b>CONTACT</b>	<b>PERFECTVISION</b>
<b>PHONE</b>	WIRELESS SALES
<b>EMAIL</b>	(841) 897-6733
<b>WEBSITE</b>	WWW.PERFECTVISION.COM
	WIRELESS@PERFECTVISION.COM
<b>CONTACT</b>	<b>SABRE INDUSTRIES, INC.</b>
<b>PHONE</b>	ANGIE WELCH
<b>EMAIL</b>	(866) 428-6937
<b>WEBSITE</b>	AKWELC@SABREINDUSTRIES.COM
	WWW.SABREINDUSTRIES.COM
<b>CONTACT</b>	<b>SITE PRO 1</b>
<b>PHONE</b>	PAULA BOSWELL
<b>EMAIL</b>	(972) 216-1949
<b>WEBSITE</b>	PAULA.BOSWELL@VALMONT.COM
	WWW.SITEPRO1.COM

**NOTES:**

- THE MANUFACTURERS LISTED ARE THE APPROVED VENDORS FOR THE VZW MOUNT KITS. EACH MANUFACTURER WILL BE AWARE OF WHICH KITS HAVE BEEN THROUGH THE VZW APPROVAL PROCESS AND THEY ARE IN TURN APPROVED TO SELL. PLEASE NOTE THAT THE MATERIAL UTILIZED ON THE MOUNT MODIFICATIONS WILL BE REVIEWED AS A PART OF THE DESKTOP PMI COMPLETED BY THE SMART TOOL VENDOR. IT WILL BE REQUIRED THAT THE VZW KITS SPECIFIED ARE UTILIZED IN THE MODIFICATIONS.
- ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR.



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NO.	DATE	DESCRIPTION	BY	CHKD	APP'D
1	08/14/2024	ISSUED FOR PERMITS	SA	SA	SA
2	08/14/2024	ISSUED FOR PERMITS	SA	SA	SA
3	08/14/2024	ISSUED FOR PERMITS	SA	SA	SA



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**SITE NAME:**

**BLOOMFIELD 3 CT**  
5000383112  
785 NEW PARK AVE  
BLOOMFIELD, CT 06002  
HARTFORD COUNTY

**STATE:** CT  
1070 WASHINGTON STREET  
BLOOMFIELD, CT 06002  
CONTRACT NO. 2024-0001  
CONTRACT DATE: 08/14/2024

**PROJECT:** BILL OF MATERIALS

**PROJECT NO.:** SBOM-1

**PROJECT NOTES**

- SEE MODIFICATION NOTES
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LOCAL REGULATIONS, MUNICIPALITIES, UTILITY COMPANIES OR OTHER REGULATING AUTHORITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IN WRITING OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BID OR PERFORMANCE OF WORK.
- 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.
- 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.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE RECONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS.
- 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 BY THE CONTRACTOR PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- SINCE THE CELL SITE MAY BE ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC INTERFERENCE (EMI). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGEROUS PERSONAL EXPOSURE MONITORS ARE REQUIRED TO BE WORN TO ALERT OF ANY POTENTIALLY DANGEROUS EXPOSURE LEVELS.
- NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).

**GENERAL NOTES**

- THESE MODIFICATIONS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GOVERNING PROVISIONS OF THE TELECOMMUNICATIONS INDUSTRY STANDARD TIA-323-H MATERIALS AND SERVICES PROVIDED BY THE CONTRACTOR SHALL CONFORM TO THE ABOVE MENTIONED CODES.
- CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT 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.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION. 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, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER IMMEDIATELY. IT IS ASSUMED THAT ANY STRUCTURAL MODIFICATION WORK SPECIFIED ON THESE PLANS WILL BE ACCOMPLISHED BY KNOWLEDGEABLE WORKMEN WITH TOWER CONSTRUCTION EXPERIENCE.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS, MEANS, MATERIALS, EQUIPMENT AND PROCEDURES.
- ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME INCLUDING, BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CURBING PLANS, AND RESCUE PLANS TO THE SATISFACTION OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN AND SHALL MEET ALL APPLICABLE CODES AND ALL GENERAL INDUSTRY STANDARDS. RESCUE PLANS SHALL BE SUBMITTED TO THE LATEST EDITIONS INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MAINTAINING, MAINTAINING, AND SUPERVISING ALL SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE SAFETY CODES.
- WORK SHALL ONLY BE PERFORMED DURING CALM, DRY DAYS (WINDS LESS THAN 10 MPH) AND SHALL BE COMPLETED WITHIN THE SPECIFIED STRUCTURALLY SOUND AND ONLY IN THE COMPLETED FORM.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRENGTH AND STABILITY OF THE STRUCTURE DURING ERECTION. CONTRACTOR SHALL PROVIDE PROPER BRACING AND SHORING TO MAINTAIN THE STRUCTURE UPRIGHT AND TO RESIST ALL FORCES THAT MAY OCCUR DURING HANDLING AND ERECTION UNTIL THE STRUCTURE IS FULLY COMPLETED. TEMPORARY SUPPORTS, BRACING AND OTHER STRUCTURAL SYSTEMS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- DO NOT SCALE DRAWINGS.
- CONNECTIONS BETWEEN MEMBERS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL SECURE SITE BACK TO EXISTING CONDITION UNDER SUPERVISION OF OWNER. ALL EXPOSED STEEL SHALL BE GROUNDING. CONTRACTOR SHALL MAINTAIN ALL EXISTING GROUNDING SYSTEMS REQUIRED TO ACHIEVE OWNER APPROVAL. POSITIVE DRAINAGE AWAY FROM TOWER SITE SHALL BE MAINTAINED.
- CONNECTIONS BETWEEN MEMBERS SUPPORTED BY THE STRUCTURE AND THE STRUCTURE NOT SPECIFICALLY DETAILED IN THE CONTRACT DOCUMENTS SHALL BE DESIGNED, COORDINATED AND INSPECTED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF THE PROJECT. SIGNED AND SEALED CALCULATIONS DURING SHOP DRAWING REVIEW.
- DO NOT SCALE DRAWINGS.
- DO NOT USE THESE DRAWINGS FOR ANY OTHER SITE.
- 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.
- THE POINT UNDER NO CIRCUMSTANCES SHOULD BE USED AS A TIE OFF POINT.

**STRUCTURAL STEEL**

- DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING PUBLICATIONS EXCEPT AS SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS:
  - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) MANUAL OF STEEL CONSTRUCTION (15TH EDITION)
  - SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS
  - ASCE CODE OF STANDARD PRACTICE
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS OTHERWISE SHOWN:
  - CHANNELS - ANGLES, PLATES, ETC. - ASTM A36 (GR 50)
  - STEEL PIPE - ASTM A53 (GR 35)
  - BOLTS - ASTM A325
  - NUTS - ASTM A563
  - LOCK WASHERS - LOCKING STRUCTURAL GRADE

- 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 WITH THE SUBSTITUTE SHALL BE NOTED, ESTIMATES OF COSTS AND COSTS TO THE SUB-CONTRACTORS SHALL BE PROVIDED TO THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO FABRICATION.
  - SUBMIT SHOP DRAWINGS TO:
    - PETREL@ALBA@COLLIERENGINEERING.COM
    - PROVIDE MASER CONSULTING PROJECT # AND MASER CONSULTING PROJECT ENGINEER CONTACT IN THE BODY OF THE EMAIL
  - DO NOT LOG IN ANY MESH OR EXISTING STRUCTURAL STEEL MEMBERS OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
  - GAUVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
  - ALL NEW STEEL SHALL BE HOT-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.
  - CONTRACTOR SHALL PROTECT CUT ENDS OF ALL FIELD-CUT STEEL WITH TWO (2) COATS OF COLD GALVANIZATION (ZINGA OR ZINC COAT)
  - ALL BOLT ASSEMBLIES FOR STRUCTURAL MEMBERS REPRESENTED IN THIS DRAWING SHALL BE INSTALLED IN ACCORDANCE WITH TIA-323-H SECTION 4.9.2 REQUIREMENTS.
  - 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. FOR MEMBERS BEING REPLACED, PROVIDE NEW BOLTS AND MATCH EXISTING SIZE AND GRADE MAINTAIN AISC REQUIREMENTS FOR MINIMUM BOLT DISTANCE AND SPACING.

- 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 MEMBER AND TO BE BELOW THE FACE OF THE NUT AFTER TIGHTENING IS COMPLETED.
- GAUVANIZED ASTM A325 BOLTS SHALL NOT BE REUSED.
- ALL EXISTING PAINTED GALVANIZED SURFACES DAMAGED DURING REBAR INCLUDING AREAS UNDER STIFFENER PLATES SHALL BE WIRE BRUSHED CLEAN, REPAIRED BY COLD GALVANIZATION (ZINGA OR ZINC COAT), AND REPAINTED TO MATCH THE EXISTING FINISH (IF APPLICABLE).
- ALL HOLES IN STEEL MEMBERS SHALL BE SIZED 1/16" LARGER THAN THE BOLT DIAMETER. STANDARD HOLES SHALL BE USED UNLESS NOTED OTHERWISE.

**WELDING NOTES**

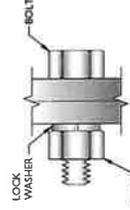
- ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AWS D1.9 (LATEST EDITION). THIS SHALL INCLUDE A CERTIFIED WELD INSPECTOR (CWI) FOR ALL WELDING AND POST INSTALLATION USING THE ACCEPTANCE CRITERIA OF AWS D1.9.
- CONTRACTOR IS RESPONSIBLE FOR COMMISSIONING A THIRD PARTY CERTIFIED WELD INSPECTOR (CWI) THROUGHOUT THE ENTIRETY OF THE PROJECT. A PASSING CWI REPORT SHALL BE PROVIDED TO THE ENGINEER UPON COMPLETION OF THE PROJECT.
- THE CERTIFIED WELD INSPECTOR SHALL INDICATE IN A WRITTEN CWI REPORT ALL DEFECTS OBSERVED DURING INSPECTION. ALL DEFECTS OBSERVED IN PHOTOGRAPHS AND DOCUMENTATION SUPPORTING THE ACCEPTANCE OR REJECTION OF ALL WELDING. ALL CWI WELD INSPECTION DOCUMENTATION AND PHOTOS SHALL BE SUBMITTED DURING THE PMI.
- IN CASE WHERE A WELD IS SPECIFIED BETWEEN TWO MEMBERS IN WHICH THE SIZE OF WELD ON THE MEMBER IS EQUAL TO THAT SHOWN IN THE DRAWINGS.
- OXY FUEL GAS WELDING OR BRAZING IS STRICTLY PROHIBITED SPECIFICALLY, NO TORCH CUTTING IS PERMITTED ON SITE. ALL HOLES SHALL BE CUT WITH A GRINDER.
- CONTRACTOR SHALL EXERCISE CAUTION WHEN WELDING A GALVANIZED SURFACE.
- CONTRACTOR SHALL HAVE A FIRE PROTECTION PLAN IN PLACE THAT CONFORMS TO NFPA 704, NFPA 720, AND LOCAL JURISDICTIONAL REQUIREMENTS.

**BOLT SCHEDULE (IN.)**

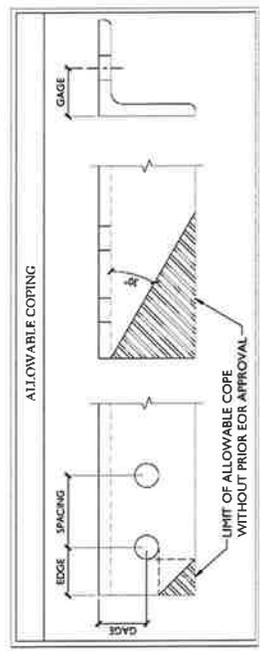
BOLT DIAMETER	STANDARD HOLE	SHORT SLOT	MIN. EDGE DISTANCE	SPACING
1/2	9/16	1 1/16	7/8	1 1/2
5/8	1 1/16	1 1/16 x 7/8	1 1/8	1 7/8
3/4	1 3/16	1 3/16 x 1	1 1/4	2 1/4
7/8	1 5/16	1 5/16 x 1 1/8	1 1/2	2 5/8
1	1 11/16	1 1/16 x 1 5/16	1 3/4	3

**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



- NOTES:**
- ALL DIMENSIONS REPRESENTED IN THE DRAWINGS SHALL CONFORM TO THE REQUIREMENTS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN FIELD AND NOTIFY ENGINEER IF DISTANCES ARE LESS THAN THOSE PROVIDED.
  - THE DIMENSIONS PROVIDED ARE MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS OF PROPOSED MEMBERS SHALL BE VERIFIED BY THE PARTY FROM THE ASSUMED MINIMUM REQUIREMENTS.
  - SHORT SLOT HOLES SHALL ONLY BE USED WHEN DEPICTED IN THE DRAWINGS.
  - MATCH EXISTING GAGES WHEN APPLICABLE UNLESS MINIMUM EDGE DISTANCES ARE COMPROMISED.



**Colliers Engineering & Design**  
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10000 Old Saybrook Road, Suite 100, Saybrook, CT 06488  
Phone: 860.389.1111  
Fax: 860.389.1112

**verizon**  
Doing Business as **MASER**

**811**  
Call before you dig  
FOR THIS PROJECT ONLY, CALL 811 AT LEAST 48 HOURS PRIOR TO THE START OF ANY EXCAVATION WORK.

**CONTRACTOR'S CERTIFICATE OF LIABILITY**  
FOR THIS PROJECT ONLY, CALL 811 AT LEAST 48 HOURS PRIOR TO THE START OF ANY EXCAVATION WORK.

NO.	DATE	BY	DESCRIPTION
1	01/15/2024	PK	ISSUED FOR PERMITS
2	01/15/2024	PK	ISSUED FOR PERMITS
3	01/15/2024	PK	ISSUED FOR PERMITS
4	01/15/2024	PK	ISSUED FOR PERMITS

**CONTRACTOR'S SIGNATURE**  
*De Al*  
DATE: 01/15/2024

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**SITE NAME:**  
BLOOMFIELD 3 CT  
500038312  
785 NEW PARK AVE  
BLOOMFIELD, CT 06002  
HARTFORD COUNTY

**SCALE:**  
AS SHOWN  
DATE: 01/15/2024  
DRAWN BY: PK  
CHECKED BY: PK

**MODIFICATION NOTES**

SCN-1



MOUNT MODIFICATION SCHEDULE

NOTES

CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SS-1. CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS. (4) BOLTS PER CONNECTION.

CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SS-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). CONNECT KICKER KIT TO THE PLATFORM ANGLES USING 6" LONG, HSS3X3X1/4 SHIM. REFER TO DETAIL 4 ON SHEET SS-1.

CONNECT NEW MOUNT PIPE TO THE EXISTING MOUNT PIPES IN POSITION 3 AND 4 ON GAMMA SECTOR WITH PROPOSED PIPE TO PIPE CLAMPS (VZWSMART-MSK3D). REFER TO DETAIL 1 ON SHEET SS-1.

RADIO AND/OR THE POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).

CONNECT NEW OVPD PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).

CONNECT NEW OVPD PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).

CONNECT NEW OVPD PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).

NO.	ELEVATION	QUANTITY	DESCRIPTION
1		3	PROPOSED SUPPORT RAIL CORNER BRACKET (PART #: VZWSMART-PLK3) WITH PROPOSED L3X3X1/4 ANGLE.
2		1	PROPOSED KICKER KIT (PART #: VZWSMART-PLK5)
3	105'-0"	2	PROPOSED 72" LONG, P2 STD (PART #: VZWSMART-P40-23BK072)
4		3	30" LONG, L3X3X1/4 ANGLE
5		3	48" LONG, PIPE 2.5CH40

CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SS-1. CONNECT PROPOSED L3X3X1/4 ANGLES TO CORNER BRACKETS USING THE PROVIDED (8) 5/8" DIA. BOLTS. (4) BOLTS PER CONNECTION.

CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE STRUCTURAL STEEL NOTES ON SHEET SS-1. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7). CONNECT KICKER KIT TO THE PLATFORM ANGLES USING 6" LONG, HSS3X3X1/4 SHIM. REFER TO DETAIL 4 ON SHEET SS-1.

CONNECT NEW MOUNT PIPE TO THE EXISTING MOUNT PIPES IN POSITION 3 AND 4 ON GAMMA SECTOR WITH PROPOSED PIPE TO PIPE CLAMPS (VZWSMART-MSK3D). REFER TO DETAIL 1 ON SHEET SS-1.

RADIO AND/OR THE POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE. CONNECT NEW HORIZONTAL TO ALL EXISTING VERTICAL MOUNT PIPES WITH CROSSOVER PLATES (PART #: VZWSMART-MSK1).

CONNECT NEW OVPD PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).

CONNECT NEW OVPD PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).

CONNECT NEW OVPD PIPE TO EXISTING HORIZONTAL WITH CROSSOVER PLATES (PART #: VZWSMART-MSK6).

NOTES

MOUNT MEMBERS NOT SHOWN FOR CLARITY UNLO. CONTRACTOR SHALL INSPECT ALL MOUNT BOLTS AND REPLACE ANY MISSING OR DAMAGED MEMBERS.

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PROPOSED PIPE TO PIPE CLAMP DETAIL

SCALE: N.T.S.

PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.

KICKER TO STANDOFF CONNECTION DETAIL

SCALE: N.T.S.

LEGEND:

PROPOSED

RELOCATED

EXISTING

PROPOSED

RELOCATED

EXISTING

PROPOSED

RELOCATED

EXISTING

PROPOSED PIPE TO PIPE CLAMP DETAIL

SCALE: N.T.S.

PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.

KICKER TO STANDOFF CONNECTION DETAIL

SCALE: N.T.S.

PROPOSED PIPE TO PIPE CLAMP DETAIL

SCALE: N.T.S.

PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.

KICKER TO STANDOFF CONNECTION DETAIL

SCALE: N.T.S.

PROPOSED PIPE TO PIPE CLAMP DETAIL

SCALE: N.T.S.

PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.

KICKER TO STANDOFF CONNECTION DETAIL

SCALE: N.T.S.

PROPOSED PIPE TO PIPE CLAMP DETAIL

SCALE: N.T.S.

PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.

KICKER TO STANDOFF CONNECTION DETAIL

SCALE: N.T.S.

PROPOSED PIPE TO PIPE CLAMP DETAIL

SCALE: N.T.S.

PROPOSED ISOMETRIC VIEW

SCALE: N.T.S.

KICKER TO STANDOFF CONNECTION DETAIL

SCALE: N.T.S.

PROPOSED PIPE TO PIPE CLAMP DETAIL

SCALE: N.T.S.

PROPOSED ISOMETRIC VIEW

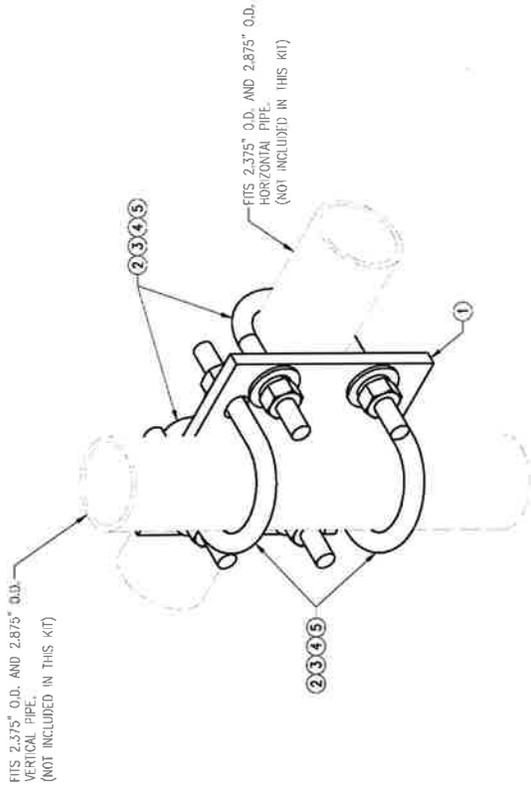
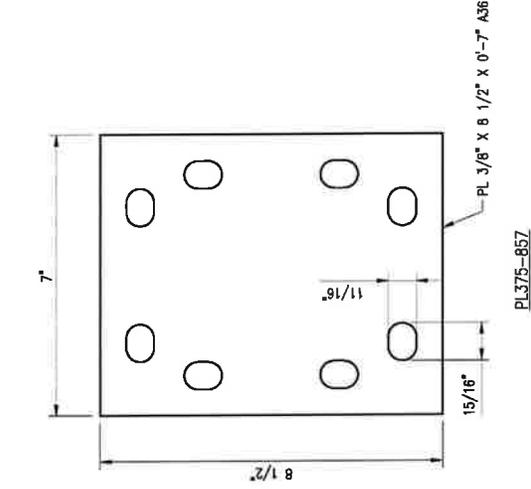
SCALE: N.T.S.

KICKER TO STANDOFF CONNECTION DETAIL



DESIGN BY: RAR	DATE: 06/04/20
REV: 1	DESCRIPTION: VZWSMART-MSK1 CROSSOVER PLATE
REV: 2	DESCRIPTION: VZWSMART-MSK1 CROSSOVER PLATE
REV: 3	DESCRIPTION: VZWSMART-MSK1 CROSSOVER PLATE
REV: 4	DESCRIPTION: VZWSMART-MSK1 CROSSOVER PLATE
REV: 5	DESCRIPTION: VZWSMART-MSK1 CROSSOVER PLATE

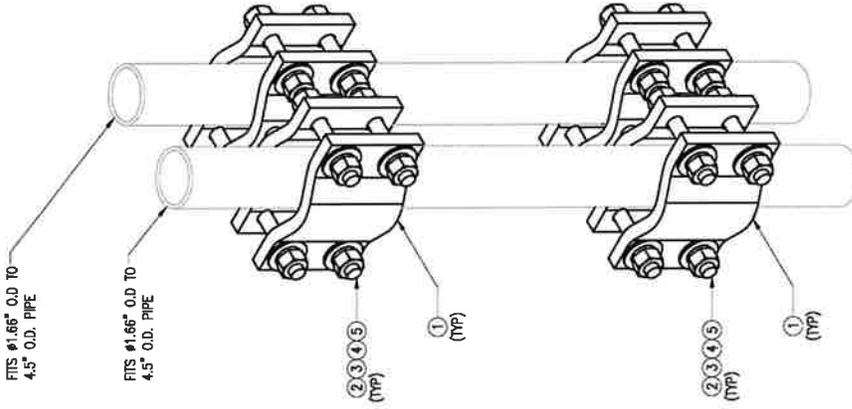
SHEET NO.:	0
SHEET NUMBER:	VZWSMART-MSK1



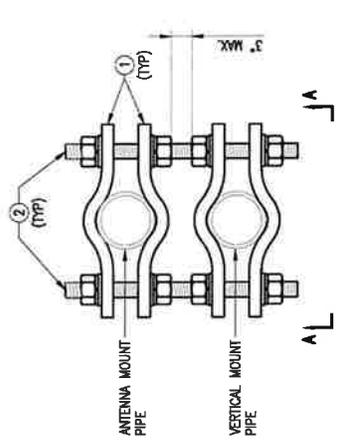
VZWSMART-MSK1 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-85Z	PL 3/8" X 8 1/2" X 0'-7" A36	MSK1-11	6
2	4	MS02-625-300-500	RU-BOL1 5/8" X 3" LW. X 5" LL. A36 (OR EQUIV.)	RBC-1	5
3	8	TW-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
				<b>GALVANIZED WT</b>	<b>14</b>

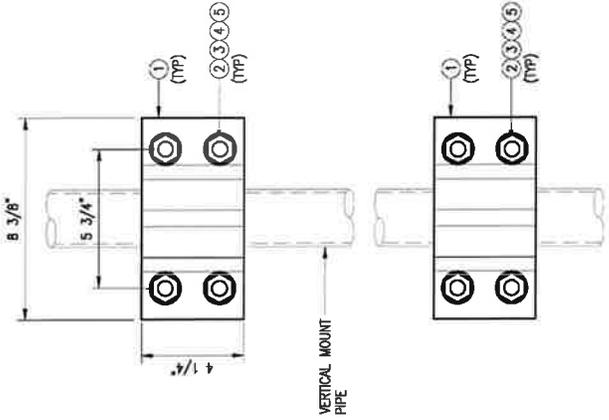
NOTES:  
 1. HOT-DIPPED GALVANIZED PER ASTM A123.



PIPE TO PIPE CLAMPS  
 ISOMETRIC VIEW



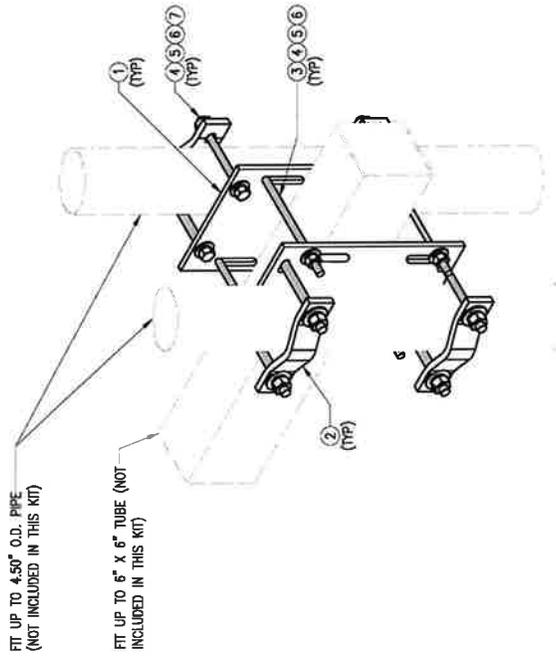
PIPE TO PIPE CLAMPS  
 PLAN VIEW



SECTION "A-A"

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	8	V-CLAMP	PL. 1/2" X 4 1/4" X B 5/8" A36 BEND PLATE	MSK3D-F1	42
2	8		THREADED ROD 5/8" DIA. X 1"-0" F1554-56 HDG		
3	32	PW-625	5/8" HDG USS FLAT WASHER		3
4	32	LW-625	5/8" HDG LOCK WASHER		3
5	32	NUT-625	5/8" HDG HEX NUT		4
				GALVANIZED WT	42

NOTES:  
 1. ALL HOLES ARE 11/16" DIA. U.N.C  
 2. HOT-DIPPED GALVANIZED PER ASTM A123.  
 3. FIT UP TO 4.5" O.D. PIPE



ISOMETRIC VIEW  
BACK TO BACK CROSSOVER

VZWSMART-MSK6 (VZWSMART-MSK6 - BACK TO BACK CROSSOVER)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	2	PL-3/8"-B512	PL 3/8" X B 1/2" X 1'-0" A36	MSK6-F2	20.7
2	4	VCP	PL 1/2" X 2" X B 5/8" A36 BENT PLATE	MSK6-F1	9.6
3	4		THREADED ROD 5/8" DIA. X 10" F1554-.36 HDC		
4	16	NUT-625	5/8" HDC HEX NUT		2
5	16	FW-625	5/8" HDC USS FLAT WASHER		1
6	16	LW-625	5/8" HDC LOCK WASHER		0
7	8		BOLT 5/8" X 6" SAE GRADE 5 ALL THREAD		1
				GALVANIZED WT	34

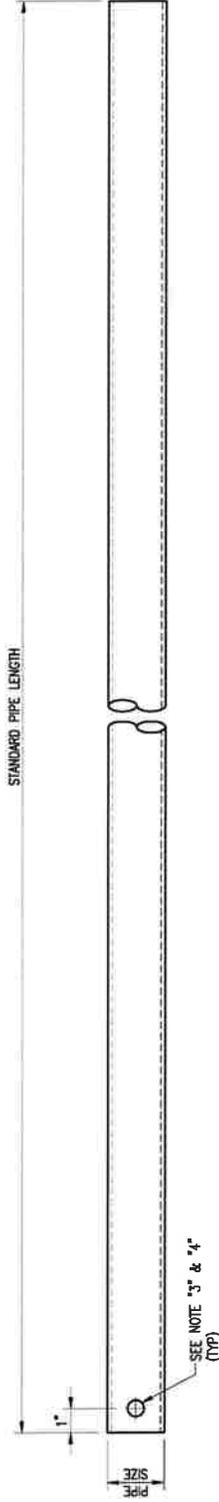
NOTES:  
1. HOT-DIPPED GALVANIZED PER ASTM A123.

VzW  
**SMART Tool**<sup>®</sup>  
 Vendor

**verizon**

DRAWN BY: **MM/AM**  
 CHECKED BY: **MM/AM**  
 REV: **01** DESCRIPTION: **STANDARD PIPE**  
 DATE: **09/04/21**  
 LBS/LISSUE: **0**  
 SHEET TOTAL: **1**

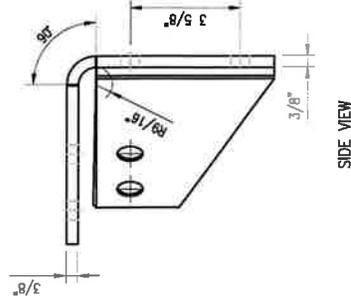
**VZWSMART**  
**STANDARD PIPE**  
 SHEET NUMBER: **VZWSMART-PIPE**  
 REV #: **0**



VZWSMART Standard Pipe		
VZWSMART Number	Size	Length
P40-238X048	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	48"
P40-238X072	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	72"
P40-238X096	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	96"
P40-238X120	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	120"
P40-238X126	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	126"
P40-238X150	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	150"
P40-238X174	PIPE 2 SCH40 (2.375" OD x 0.154" THK)	174"
P40-278X048	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	48"
P40-278X072	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	72"
P40-278X096	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	96"
P40-278X120	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	120"
P40-278X126	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	126"
P40-278X150	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	150"
P40-278X174	PIPE 2.5 SCH40 (2.875" OD x 0.203" THK)	174"
P40-312X048	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	48"
P40-312X072	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	72"
P40-312X126	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	126"
P40-312X150	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	150"
P40-312X174	PIPE 3 SCH40 (3.5" OD x 0.216" THK)	174"

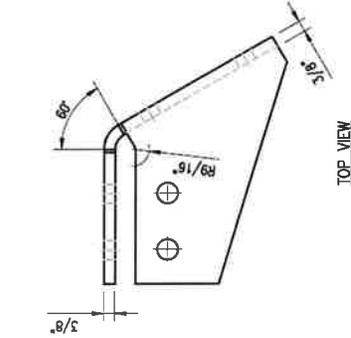
**NOTE:**  
 APPROVED SMART KIT VENDORS ARE ALLOWED TO SUBSTITUTE AT THEIR DISCRETION  
 PIPES LISTED ON THIS PAGE FOR CUSTOM LENGTH COMPONENTS OF MATCHING SIZE.  
 SUBSTITUTIONS SHALL MEET THE ORIGINAL STRUCTURAL INTENT.

- NOTES:**
1. ALL PIPE GRADE A53-B OR BETTER.
  2. HOT-DIPPED GALVANIZED PER ASTM A123.
  3. ALL HOLES ARE 1/16" DIA. U.N.D
  4. HOLES MAY OR MAY NOT BE PRESENT, DEPEND UPON MANUFACTURE DISCRETION.
  5. ALL FIELD CUT AND DRILLED SURFACES SHALL BE REPAIRED WITH A MINIMUM OF TWO COATS OF ZINCA OR ZINC COTE PER ASTM A780 AND MANUFACTURER'S RECOMMENDATIONS.

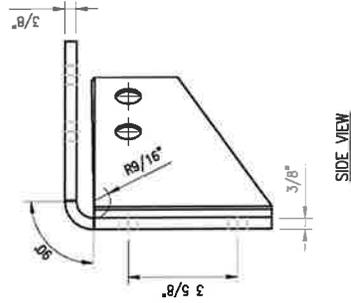


SIDE VIEW

CBP-R

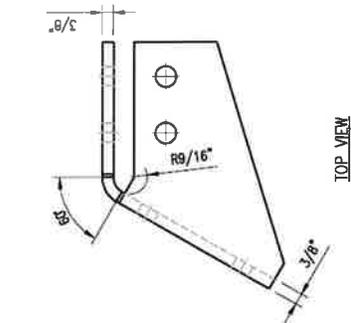


TOP VIEW



SIDE VIEW

CBP-L



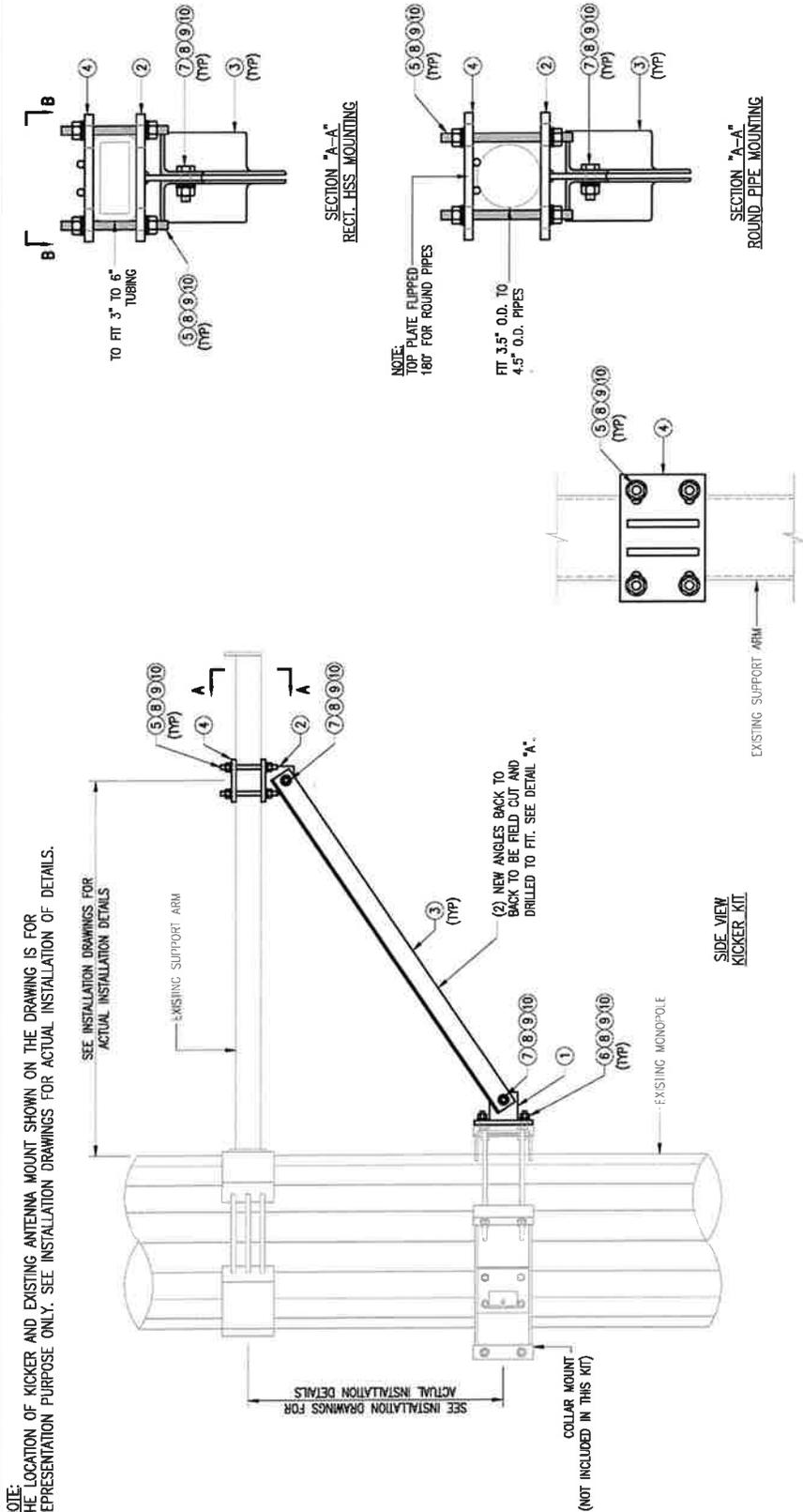
TOP VIEW

NOTES:  
 1. HOT-DIPPED GALVANIZED PER ASTM A123.

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" LW, 5" LL, A36 (OR DUUV)	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

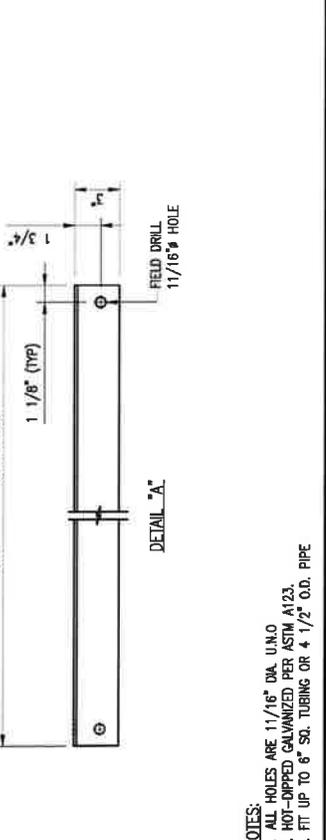
VZWSMART-PLK3 (SUPPORT RAIL CORNER BRACKET)

DRAWN BY: MN	CHECKED BY: HM/AV
REV	DESCRIPTION
1	ISSUE
2	DATE
3	BY
4	DATE
5	BY
6	DATE
7	BY
8	DATE
9	BY
10	DATE
SHEET TITLE	
VZWSMART-PLK5 KICKER KIT	
SHEET NUMBER	
VZWSMART-PLK5	
REV. F.	0



VZWSMART-PLK5 (KICKER KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	BRKW-XXX	BRACKET WELDMENT A36	PLK5-F3	4.38
2	3	BRKW-XXXX	BRACKET WELDMENT A36	PLK5-T2	35.7
3	6	L311875-8	L 3" X 3" X 3/16" X 8" C* 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" C* F1554-36 HDG		
6	6		BOLT 5/8" X 2" A325		
7	12		ROD 5/8" X 7 1/2" A325		
8	42	FW-625	5/8" HDG USS FLAT WASHER		3
9	42	LW-625	5/8" HDG LOCK WASHER		1
10	42	NUT-625	5/8" HDG HEX NUT		5
				GALVANIZED WT	291



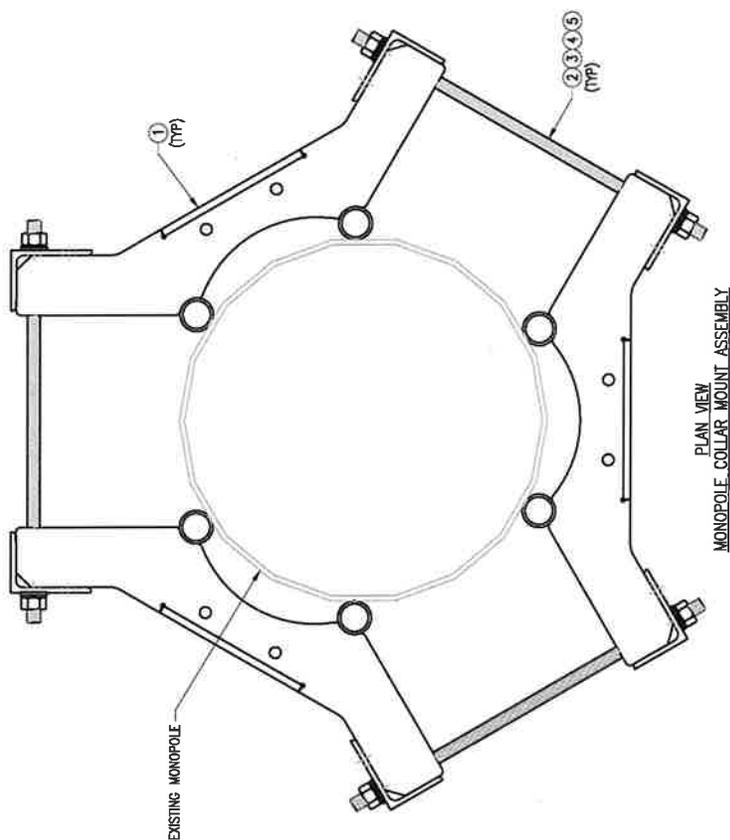
NOTES:  
 1. ALL HOLES ARE 11/16" DIA. UNLESS OTHERWISE SPECIFIED.  
 2. HOT-DIPPED GALVANIZED PER ASTM A123.  
 3. FIT UP TO 6" SQ. TUBING OR 4 1/2" O.D. PIPE

VZW  
 SMART Tool®  
 Vendor

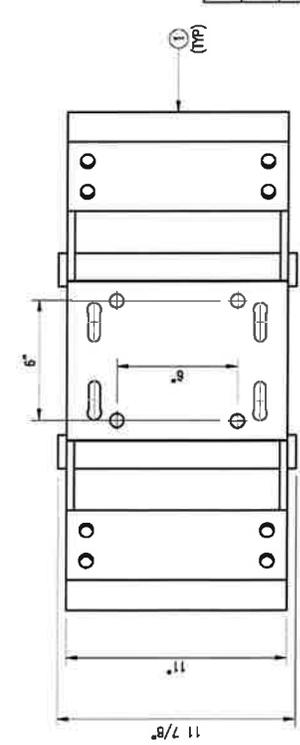


DESIGNED BY: BT  
 CHECKED BY: MM/AM  
 REV. DESCRIPTION  
 FIRST ISSUE BT 05/11/20

SHEET TITLE  
 VZWSMART-PLK7  
 MONOPOLE COLLAR  
 MOUNT ASSEMBLY  
 SHEET NUMBER  
 VZWSMART-PLK7 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	PLK7-11	147
2	6		THREADED ROD 5/8" X 4'-0" A193-B7		
3	12	PW-625	5/8" HDG USS FLAT WASHER		1
4	12	LW-625	5/8" HDG LOCK WASHER		0
5	12	NUF-625	5/8" HDG HEX NUT		1
				GALVANIZED WT	150