Robinson+Cole

KENNETH C. BALDWIN

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

Also admitted in Massachusetts
and New York

June 14, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
720 Quinebaug Road, Thompson, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower was approved by the Town of Thompson Planning and Zoning Commission ("Town") in 1998 and is located at the Quinebaug Volunteer Fire Station. Cellco's shared use of the tower was approved by the Council in July of 2007 (EM-VER-141-070614). A copy of the Town's tower approval and Cellco's Exempt Modification approval are included in Attachment 1.

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

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

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

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas will be installed on Cellco's existing antenna platform.

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

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

4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. Far field approximation tables for Cellco's modified facility are included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounting device, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4. Also included in Attachment 4 is a separate letter prepared by the consulting engineer responsible for the preparation of the SA verifying that the antenna model described in the SA as a VZS01 Antenna, is the Samsung 64T64R model antenna and RRH that will be installed on the tower.

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

For the foregoing reasons, Cellco respectfully submits that the proposed modifications to the above-referenced telecommunications facility constitutes an exempt modification under R.C.S.A. § 16-50j-72(b)(2).

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:
Amy St. Onge, Thompson First Selectman
Tyra Penn-Gesek, Thompson Director Planning and Development
Quinebaug Volunteer Fire Department, Property Owner
Aleksey Tyurin

ATTACHMENT 1

Town of Thompson

PLANNING & ZONING COMMISSION
MUNICIPAL BUILDING
ROUTE 12
NORTH GROSVENOR DALE, CONN. 06255

TEL.: 203-923-9002

MINUTES
PLANNING & ZONING COMMISSION
MARCH 23, 1998 * 7:00 PM
MERRILL SENEY COMMUNITY ROOM

5). Discussion Regarding Proposed Telecommunications Facility
720 Thompson Road; Map 120, Block 30, Lot 14, Industrial Zone
John Kowalski, Techstar Communications
John Kowalski gave a brief presentation, they received a conceptual approval from the commission last month, he has submitted new information including the 10 ft. fence, materials stating the coverage afforded, they will be located in an industrial zone, the tower will co-host two additional users on the 140 ft. monopole. They are seeking their zoning permit at this time, there is no existing tower in town that will meet their coverage. Atty. St. Onge stated the rules are up in the air at this time, in the Town's Zoning Regulations a structure is defined as all inclusive, a building is defined with the exclusion of radio and TV antennas, and that is the only difference between a building and a structure; clearly there was an intention in the regulations but it was not spelled out. It does fit in under the industrial zone, where it accepts radio & TV towers but the regulations don't list where they're permitted. The law is the Town can regulate but it can't prohibit. The Town does need a regulation to address this issue and specify the height issue, setbacks, screening, fencing, co-location, minimum lot size, signs & lights, removal, etc. The commission may want to act on this application since he already has a conceptual approval but then either a moratorium or drafting of a new regulation must begin immediately to meet the Federal requirements. John Rice noted some approval stipulations: a letter signed by the Director of CT. operations for Techstar Communications that the commission reserves the right to require other applicant's to share their tower; also that Techstar agrees to dismantle and remove at their expense if the facility is not in use for 12 consecutive months, this removal shall occur within 90 days of the end of such 12 month period; the design and plan shall indicate how the tower will collapse without encroaching upon any adjoining property if failure occurs; a report from a licensed telecommunications system engineer indicating that the proposed wireless telecommunications facility will comply with F.C.C. radio frequency emissions standards and that the installation will not interfere with public safety communications. Discussion followed. Mr. Kowalski stated there will be no lights and no signs except for a warning sign.
A Motion was made by John Rice to approve the zoning permit for a free standing 140 ft. monopole tower and in conformity with the drawings submitted upon meeting all aforementioned stipulations and reviewed by the Zoning Enforcement Officer, seconded by Randolph Blackmer. All in favor.
VOTE: 9 YES MOTION CARRIED

Discussion followed regarding amending the regulations, it could be

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

Daniel F. Caruso
Chairman

July 11, 2007

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

RE: **EM-VER-141-070614** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 720 Quinebaug Road, Thompson, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on July 3, 2007, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated June 14, 2007, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Daniel F. Caruso
Chairman

DFC/MP/laf

c: The Honorable A. David Babbitt, First Selectman, Town of Thompson
Meredith Robson, Town Manager, Town of Thompson
John E. Mahon, Jr., Zoning Enforcement Officer, Town of Thompson
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Michele G. Briggs, New Cingular Wireless PCS, LLC
Quinebaug Volunteer Fire Department

G:\EM\BAM-VERIZON\Thompson\dc070307.DOC

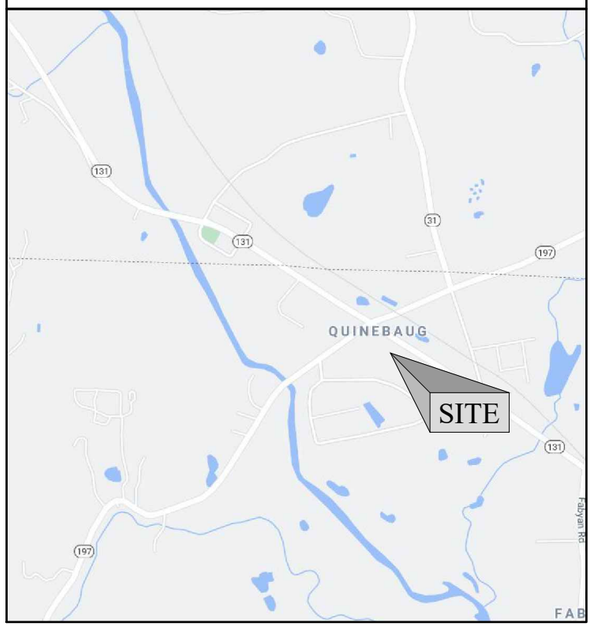
ATTACHMENT 2

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS & EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE PROJECT OWNERS REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

SHEET INDEX

VICINITY MAP



APPLICANT:
CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS

SCOPE OF WORK:
PROPOSED EQUIPMENT & ANTENNA MODIFICATIONS
TO AN EXISTING VERIZON WIRELESS INSTALLATION
AT A 125'-0"± MONOPOLE

SITE NAME
QUINEBAUG CT

LOCATION CODE
468550

TOWER OWNER
TOWN OF QUINEBAUG
FIRE DEPARTMENT

ADDRESS
720 QUINEBAUG ROAD
QUINEBAUG, CT 06262

COORDINATES
42° 01' 21.90" N
71° 56' 57.48" W

NOTES

GENERAL NOTES:

1. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
2. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
3. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
4. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
5. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
6. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
7. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
8. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
9. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
10. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
11. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
12. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
13. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
14. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
15. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
16. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
17. APPLICABLE BUILDING CODES:
    SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
    BUILDING CODE: 2018 CONNECTICUT STATE BUILDING CODE (IBC 2015)
    ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
    LIGHTENING CODE: REFER TO ELECTRICAL DRAWINGS

    SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

    ACI 318-14: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.

    AISC 360-10: SPECIFICATIONS STEEL FOR STRUCTURAL STEEL BUILDINGS.

    ANSI/TIA-222-G WITH ADDENDUMS, STRUCTURAL STANDARD FOR ANTENNA SUPPORTING STRUCTURES AND ANTENNAS.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ELECTRICAL & GROUNDING NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.
2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.
3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
5. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.
6. GROUNDING SHALL COMPLY WITH NEC ART. 250.
7. GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.
8. USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
9. ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.
10. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.
11. CONNECTIONS TO MGB SHALL BE ARRANGED IN THREE MAIN GROUPS: SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO AND POWER PANEL GROUND); (GROUNDING ELECTRODE RING OR BUILDING STEEL); NON-SURGING OBJECTS (EGB GROUND IN BTS UNIT).
12. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS
13. APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
14. BOND ANTENNA MOUNTING BRACKETS, COAXIAL CABLE GROUND KITS, AND ALNA TO EGB PLACED NEAR THE ANTENNA LOCATION.
15. BOND ANTENNA EGB'S AND MGB TO WATER MAIN.
16. TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION.
17. BOND ANY METAL OBJECTS WITHIN 7 FEET OF PROPOSED EQUIPMENT OR CABINET TO MASTER GROUND BAR.

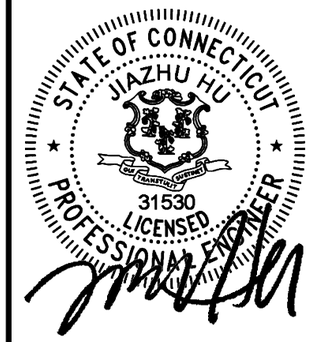
PREPARED BY:

nexius
TRANFORM YOUR BUSINESS...THROUGH WIRELESS

A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:
CELLCO PARTNERSHIP d/b/a
verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:



DRAWING SCALES ARE INTENDED FOR 22"x34" SIZE PRINTED MEDIA ONLY. 11"x17" IS DEEMED HALF SCALE, AND ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/30/21	PER CONSTRUCTION	MLB
1	04/15/21	REVISED PER COMMENTS	AA
2	05/14/21	PER MOUNT MODIFICATION	MLB

SITE INFORMATION:
SITE NAME:
QUINEBAUG CT
LOCATION CODE:
468550
SITE ADDRESS:
720 QUINEBAUG ROAD
QUINEBAUG, CT 06262

DRAWN BY:	DATE:
AA	04/15/21
CHECKED BY:	DATE:
KB	05/14/21

NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
TITLE SHEET

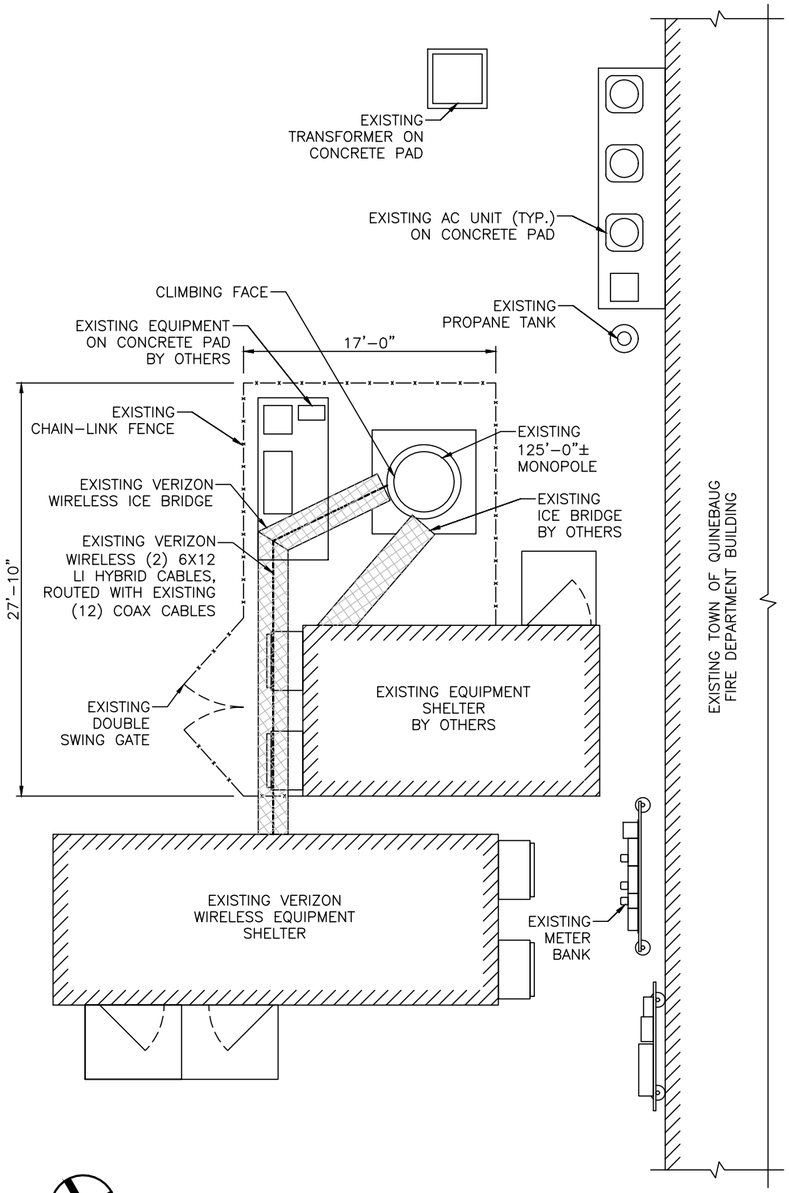
SHEET NUMBER:
T-1

MOUNT STRUCTURAL ANALYSIS PREPARED BY MASER CONSULTING

MOUNT STRUCTURAL MODIFICATION DESIGN AND ANALYSIS PREPARED BY MASER CONSULTING, ENTITLED POST-MOD ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS, DATED APRIL 27, 2021, STATES THAT THE EXISTING MOUNTS ARE ADEQUATE FOR THE EXISTING AND PROPOSED LOADING AFTER INSTALLING THE PROPOSED MODIFICATIONS.

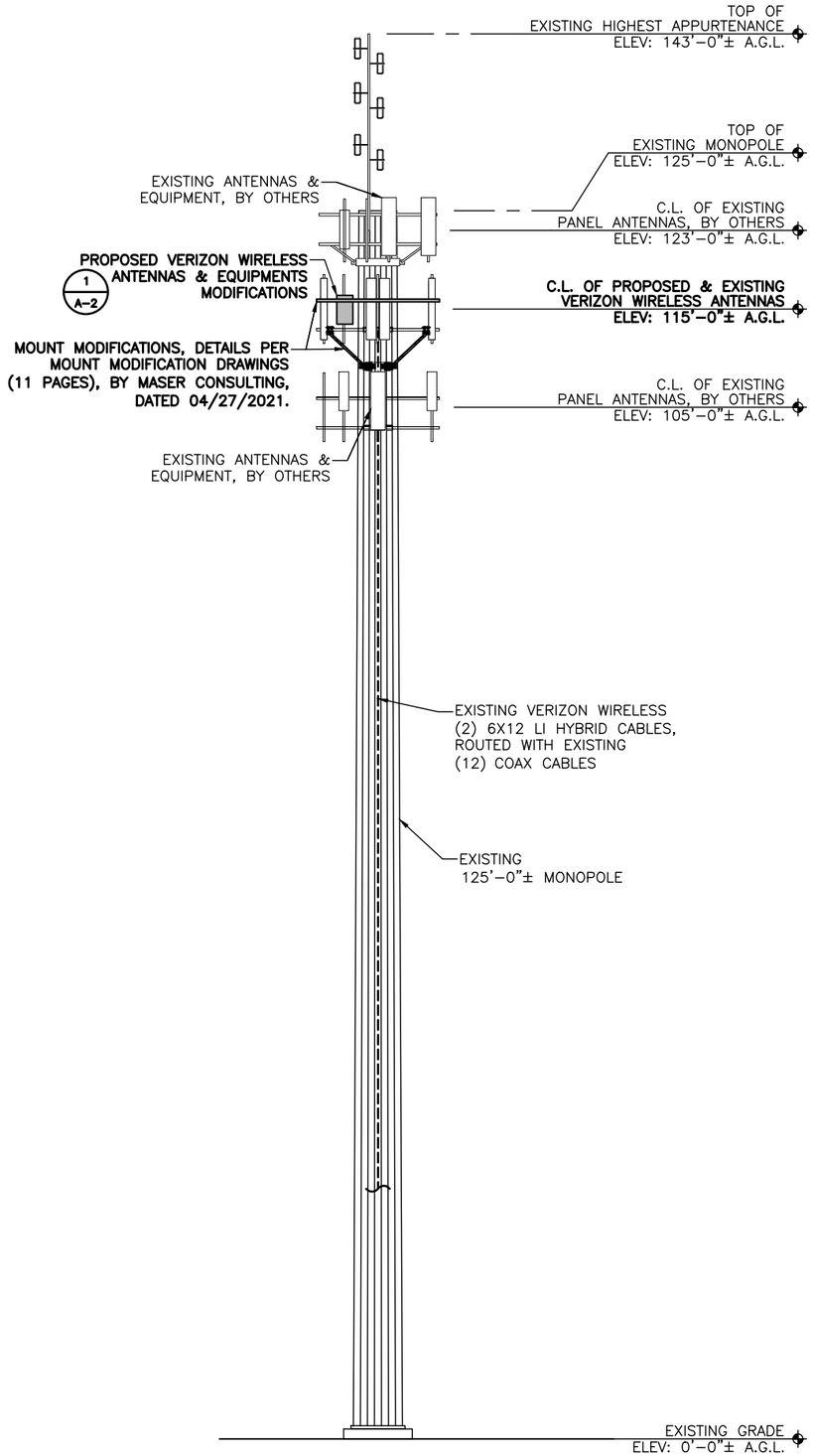
TOWER STRUCTURAL ANALYSIS REPORT PREPARED BY NEXIUS

TOWER STRUCTURAL ANALYSIS REPORT, PREPARED BY NEXIUS, ENTITLED STRUCTURAL ANALYSIS REPORT, DATED MAY 14, 2021, STATES THAT THE EXISTING STRUCTURE IS ADEQUATE FOR THE EXISTING AND PROPOSED LOADING.



1 COMPOUND PLAN
SCALE: 3/16" = 1'-0"

GRAPHIC SCALE: 3/16"=1'-0"



2 STRUCTURE ELEVATION
SCALE: 1/8" = 1'-0"

GRAPHIC SCALE: 1/8"=1'-0"

PREPARED BY:

nexius
TRANFORM YOUR BUSINESS...THROUGH WIRELESS

A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:
CELLCO PARTNERSHIP d/b/a
verizon
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:

STATE OF CONNECTICUT
JIAZHU HU
31530
LICENSED PROFESSIONAL ENGINEER

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/30/21	PER CONSTRUCTION	MLB
1	04/15/21	REVISED PER COMMENTS	AA
2	05/14/21	PER MOUNT MODIFICATION	MLB

SITE INFORMATION:

SITE NAME:
QUINEBAUG CT

LOCATION CODE:
468550

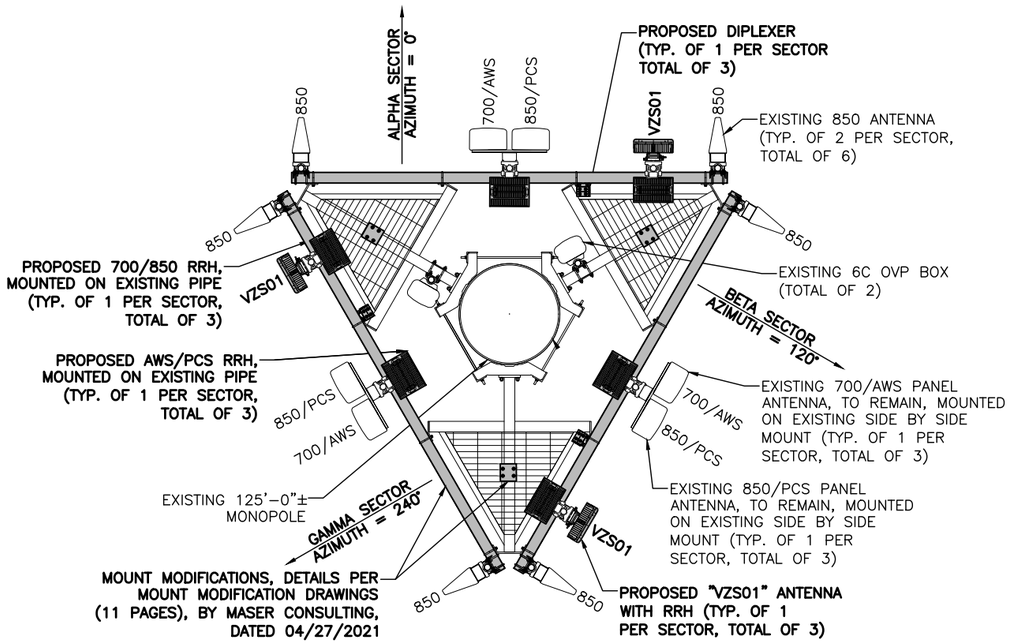
SITE ADDRESS:
720 QUINEBAUG ROAD
QUINEBAUG, CT 06262

DRAWN BY:	DATE:
AA	04/15/21
CHECKED BY:	DATE:
KB	05/14/21

NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
COMPOUND PLAN & STRUCTURE ELEVATION

SHEET NUMBER:
A-1



APPROX. NORTH

1 ANTENNA PLAN
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE: 3/8"=1'-0"

SCOPE OF WORK:

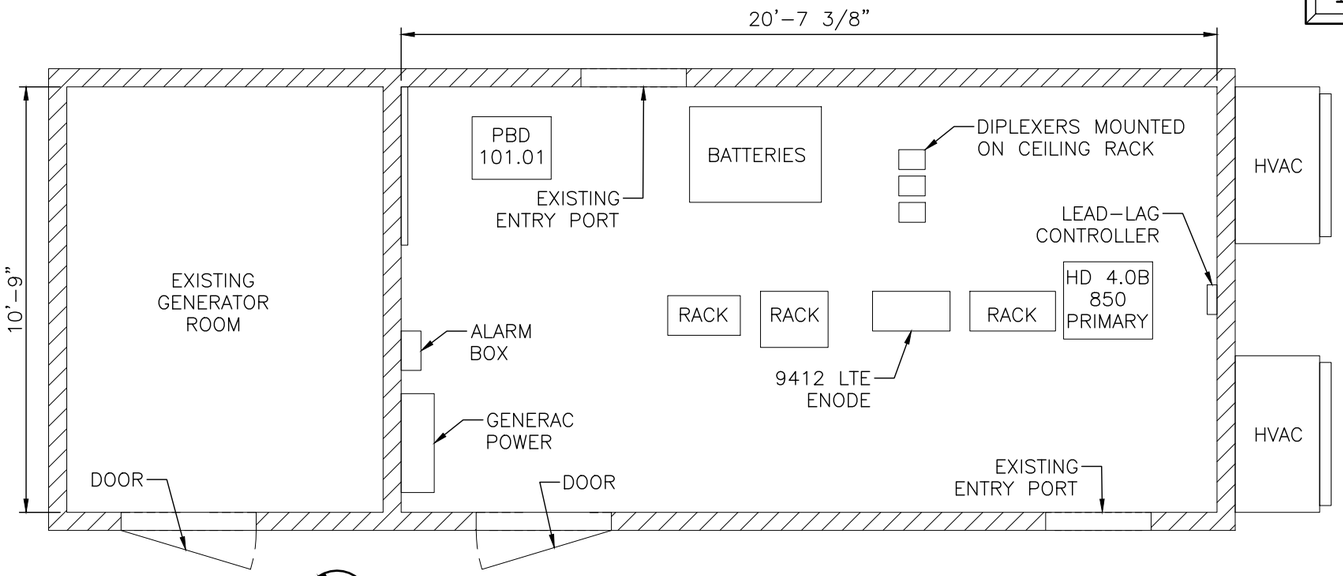
INSTALL MOUNT MODIFICATIONS FOR ALL SECTORS.

ALPHA SECTOR:
- INSTALL (1) NEW "VZS01 ANTENNA W/ RRH" AS SHOWN ON PLANS.
- INSTALL (1) NEW COMMSCOPE CBC78T-DS-43-2X 700/850 DIPLEXER
- REMOVE (2) EXISTING RRHS (850 & AWS).
- INSTALL (1) NEW BRO4C B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW BRO49 B2/B66A AWS/PCS RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW 1x2 HYBRID CABLE FROM OVP BOX TO "VZS01 ANTENNA W/ RRH".
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

BETA SECTOR:
- INSTALL (1) NEW "VZS01 ANTENNA W/ RRH" AS SHOWN ON PLANS.
- INSTALL (1) NEW COMMSCOPE CBC78T-DS-43-2X 700/850 DIPLEXER
- REMOVE (2) EXISTING RRHS (850 & AWS).
- INSTALL (1) NEW BRO4C B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW BRO49 B2/B66A AWS/PCS RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW 1x2 HYBRID CABLE FROM OVP BOX TO "VZS01 ANTENNA W/ RRH".
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

GAMMA SECTOR:
- INSTALL (1) NEW "VZS01 ANTENNA W/ RRH" AS SHOWN ON PLANS.
- INSTALL (1) NEW COMMSCOPE CBC78T-DS-43-2X 700/850 DIPLEXER
- REMOVE (2) EXISTING RRHS (850 & AWS).
- INSTALL (1) NEW BRO4C B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW BRO49 B2/B66A AWS/PCS RRH AT ANTENNAS, AS SHOWN ON PLANS.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO 700/850 RRH.
- INSTALL (1) NEW SAMSUNG JUMPER FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW POWER CABLE FROM OVP BOX TO AWS/PCS RRH.
- INSTALL (1) NEW 1x2 HYBRID CABLE FROM OVP BOX TO "VZS01 ANTENNA W/ RRH".
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

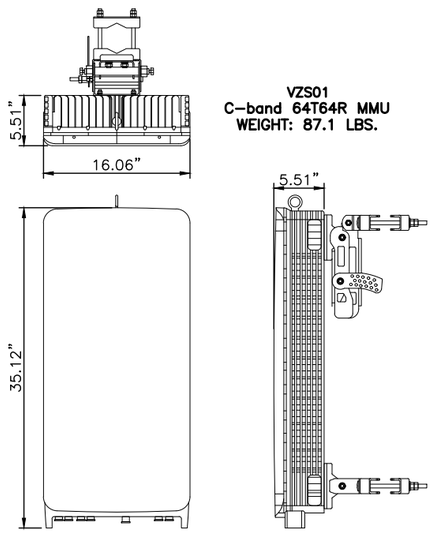
DESIGN SHOWN HEREIN IS BASED OFF A RFDS PROVIDED BY VERIZON WIRELESS DATED 03/01/2021.



APPROX. NORTH

2 SHELTER PLAN
SCALE: 3/8" = 1'-0"

GRAPHIC SCALE: 3/8"=1'-0"



VZS01
C-band 64T64R MMU
WEIGHT: 87.1 LBS.

3 ANTENNA SPEC. (NOT TO EXCEED)
SCALE: N.T.S.

PREPARED BY:

nexius
TRANFORM YOUR BUSINESS...THROUGH WIRELESS

A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:

CELLCO PARTNERSHIP d/b/a

verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:

STATE OF CONNECTICUT
JIAZHU HU
31530
LICENSED
PROFESSIONAL ENGINEER

DRAWING SCALES ARE INTENDED FOR 22"x34" SIZE PRINTED MEDIA ONLY. 11"x17" IS DEEMED HALF SCALE, AND ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/30/21	PER CONSTRUCTION	MLB
1	04/15/21	REVISED PER COMMENTS	AA
2	05/14/21	PER MOUNT MODIFICATION	MLB

SITE INFORMATION:

SITE NAME:
QUINEBAUG CT

LOCATION CODE:
468550

SITE ADDRESS:
720 QUINEBAUG ROAD
QUINEBAUG, CT 06262

DRAWN BY:	DATE:
AA	04/15/21
CHECKED BY:	DATE:
KB	05/14/21

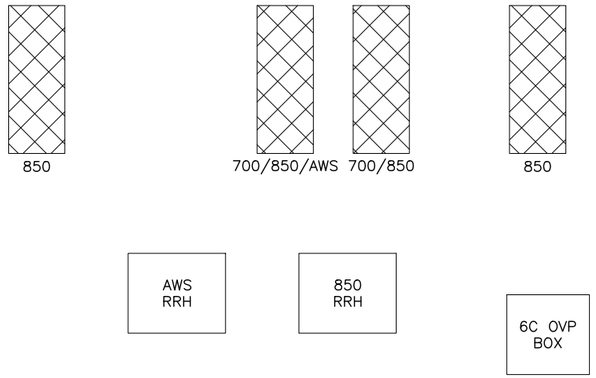
NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
ANTENNA PLAN, DETAILS & NOTES

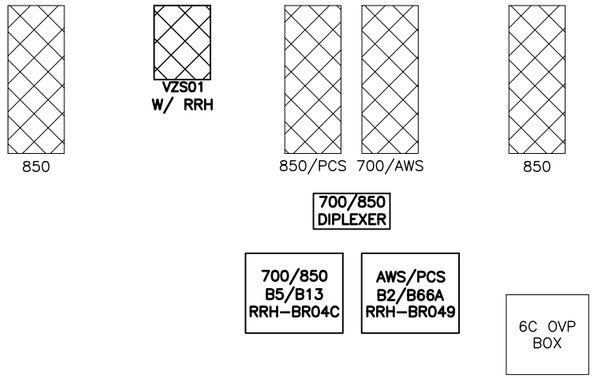
SHEET NUMBER:

A-2

NOTE: ALL ANTENNAS ARE VIEWED FROM FRONT

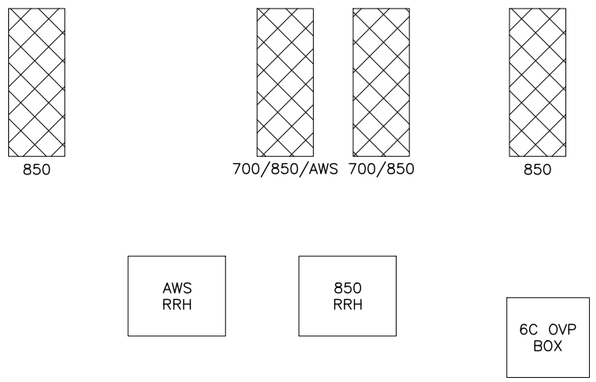


EXISTING CONFIGURATION

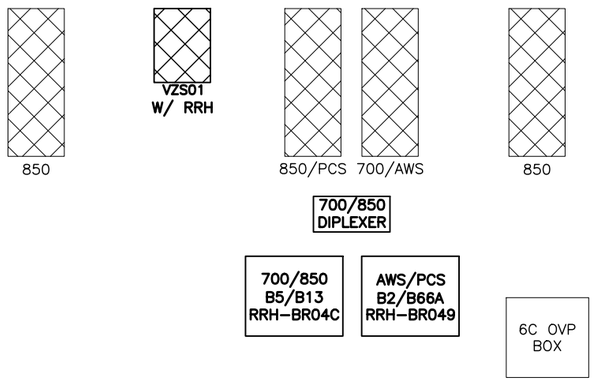


PROPOSED CONFIGURATION

ALPHA SECTOR ANTENNA CONFIGURATION

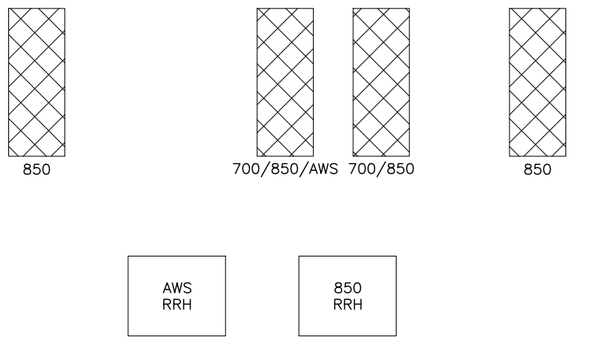


EXISTING CONFIGURATION

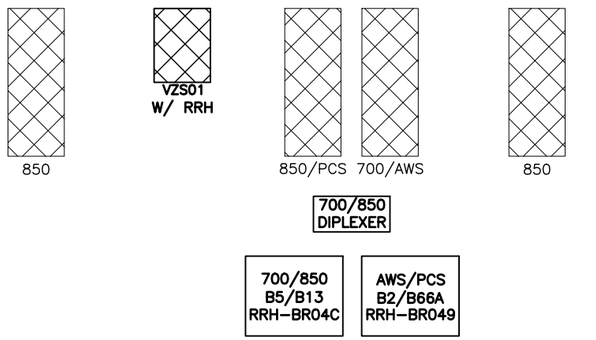


PROPOSED CONFIGURATION

BETA SECTOR ANTENNA CONFIGURATION



EXISTING CONFIGURATION



PROPOSED CONFIGURATION

GAMMA SECTOR ANTENNA CONFIGURATION

GENERAL NOTES:

1. INSTALL ALL EQUIPMENT, MOUNTING BRACKETS, AND HARDWARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. GROUND DISTRIBUTION BOXES, MOUNTING PIPES, AND RRH'S IN ACCORDANCE WITH THE NEC ARTICLE 250 & THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
3. INSTALLED EQUIPMENT AND MOUNTING BRACKETS SHALL NOT INTERFERE WITH CLIMBING ACCESS NOR ANY INSTALLED SAFETY DEVICES.

PREPARED BY:

nexius

TRANFORM YOUR BUSINESS...THROUGH WIRELESS

A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

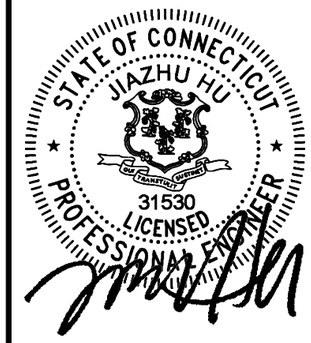
APPLICANT:

CELLCO PARTNERSHIP d/b/a

verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:



SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/30/21	PER CONSTRUCTION	MLB
1	04/15/21	REVISED PER COMMENTS	AA
2	05/14/21	PER MOUNT MODIFICATION	MLB

SITE INFORMATION:

SITE NAME:
QUINEBAUG CT

LOCATION CODE:
468550

SITE ADDRESS:
720 QUINEBAUG ROAD
QUINEBAUG, CT 06262

DRAWN BY:	DATE:
AA	04/15/21
CHECKED BY:	DATE:
KB	05/14/21

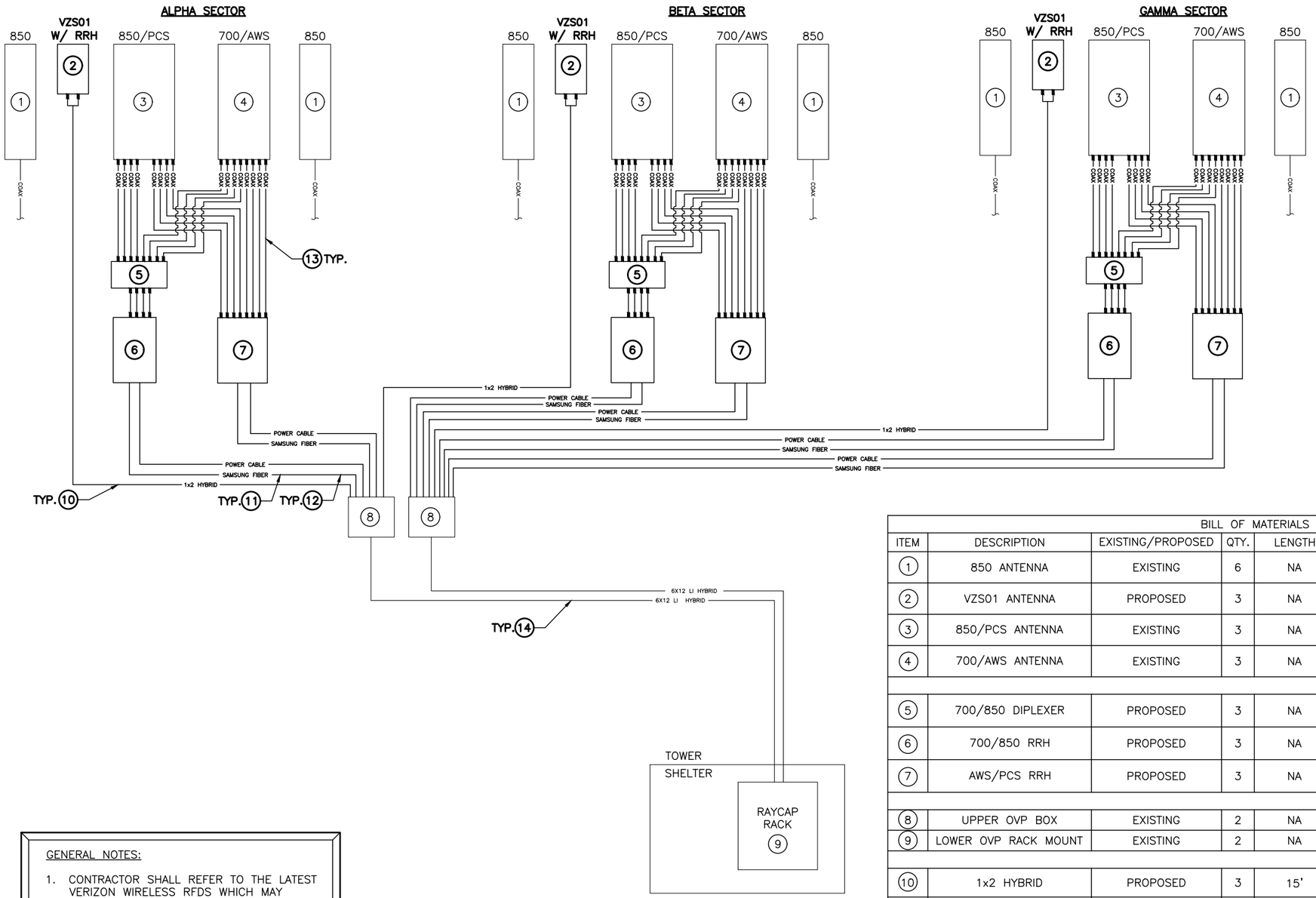
NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
ANTENNA SECTOR CONFIGURATIONS, DETAILS & NOTES

SHEET NUMBER:

A-3

NOTE: ALL ANTENNAS ARE VIEWED FROM FRONT



GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUITHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.
2. CONTRACTOR SHALL SECURE ALL CONTROL CABLES IN ACCORDANCE WITH INDUSTRY STANDARDS & MANUFACTURERS INSTRUCTIONS. EXTERIOR CONTROL CABLES MAY BE TAPED OR TIE-WRAPPED TO EXISTING COAXIAL CABLES EVERY 4' MAX. FOR HORIZONTAL RUNS. CONTRACTOR MAY USE HOISTING GRIPS AT TOP OF VERTICAL CABLE RUNS IN CERTAIN APPLICATIONS.
3. RET CABLES SHALL BE ROUTED & SECURED ON STRUCTURAL MEMBERS ONLY. DO NOT LOOP THE CABLES IN MID-AIR BETWEET ANTENNAS.
4. CONTRACTOR SHALL VERIFY ALL CABLE LENGTHS PRIOR TO CONSTRUCTION.

BILL OF MATERIALS

ITEM	DESCRIPTION	EXISTING/PROPOSED	QTY.	LENGTH	COMMENTS
1	850 ANTENNA	EXISTING	6	NA	RETAIN EXISTING 850 PANEL ANTENNA
2	VZS01 ANTENNA	PROPOSED	3	NA	INSTALL NEW "VZS01" ANTENNA W/ RRH
3	850/PCS ANTENNA	EXISTING	3	NA	RETAIN EXISTING ANDREW JAHH-65B-R3B 700/850/AWS/PCS PANEL ANTENNA
4	700/AWS ANTENNA	EXISTING	3	NA	RETAIN EXISTING ANDREW JAHH-65B-R3B 700/850/AWS/PCS PANEL ANTENNA
5	700/850 DIPLEXER	PROPOSED	3	NA	INSTALL NEW COMMSCOPE CBC78T-DS-43-2X DIPLEXER
6	700/850 RRH	PROPOSED	3	NA	INSTALL NEW RRH: 700/850 SAMSUNG B5/B13 RRH BRO4C AT ANTENNAS
7	AWS/PCS RRH	PROPOSED	3	NA	INSTALL NEW RHH: AWS/PCS SAMSUNG B2/B66A RRH BRO49 AT ANTENNAS
8	UPPER OVP BOX	EXISTING	2	NA	RETAIN EXISTING 6C OVP BOX AT ANTENNAS
9	LOWER OVP RACK MOUNT	EXISTING	2	NA	RETAIN EXISTING RAYCAP WITHIN SHELTER
10	1x2 HYBRID	PROPOSED	3	15'	INSTALL AT NEW "VZS01" ANTENNA W/ RRH
11	SAMSUNG FIBER	PROPOSED	6	15'	INSTALL NEW AT 700/850 & AWS/PCS RRH
12	POWER CABLES	PROPOSED	6	15'	INSTALL NEW AT 700/850 & AWS/PCS RRH
13	1/2" COAX CABLES	PROPOSED	60	15' EA	ROUTED AS SHOWN ON SCHEMATIC
14	6X12 LI HYBRID CABLE	EXISTING	2	180'±	RETAIN EXISTING FROM SHELTER TO TOWER

1. ITEMS SHOWN ARE FOR MAJOR DESIGN ELEMENTS ONLY, REFER TO VERIZON WIRELESS' B.O.M. FOR ALL MANUFACTURERS PART NUMBERS & ACCESSORY ITEMS REQUIRED FOR A COMPLETE INSTALLATION.
2. CONTRACTOR SHALL REFER TO THE LATEST VERIZON WIRELESS RFDS WHICH MAY INCLUDE ANTENNA SECTOR AZIMUTHS/ANTENNA CHANGES, ETC. THAT ARE REQUIRED AS PART OF THE PROJECT.

* SIGNIFIES LEASE ONLY.

PREPARED BY:

nexius
TRANFORM YOUR BUSINESS...THROUGH WIRELESS

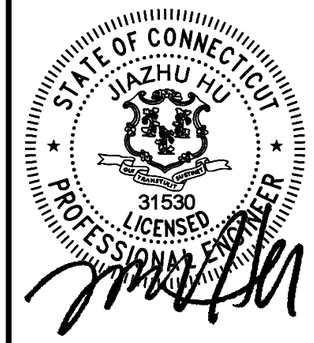
A&E OFFICE:
300 APOLLO DRIVE, SUITE 7
CHELMSFORD, MA 01824
1 (978) 923-7965

APPLICANT:

CELLCO PARTNERSHIP d/b/a
verizon

20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492

PROFESSIONAL STAMP:



DRAWING SCALES ARE INTENDED FOR 22"x34" SIZE PRINTED MEDIA ONLY. 11"x17" IS DEEMED HALF SCALE, AND ALL OTHER PRINTED SIZES ARE DEEMED "NOT TO SCALE".

SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/30/21	PER CONSTRUCTION	MLB
1	04/15/21	REVISED PER COMMENTS	AA
2	05/14/21	PER MOUNT MODIFICATION	MLB

SITE INFORMATION:

SITE NAME:
QUINEBAUG CT

LOCATION CODE:
468550

SITE ADDRESS:
720 QUINEBAUG ROAD
QUINEBAUG, CT 06262

DRAWN BY:	DATE:
AA	04/15/21
CHECKED BY:	DATE:
KB	05/14/21

NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
RET SYSTEM WIRING SCHEMATIC

SHEET NUMBER:
A-4

SAMSUNG

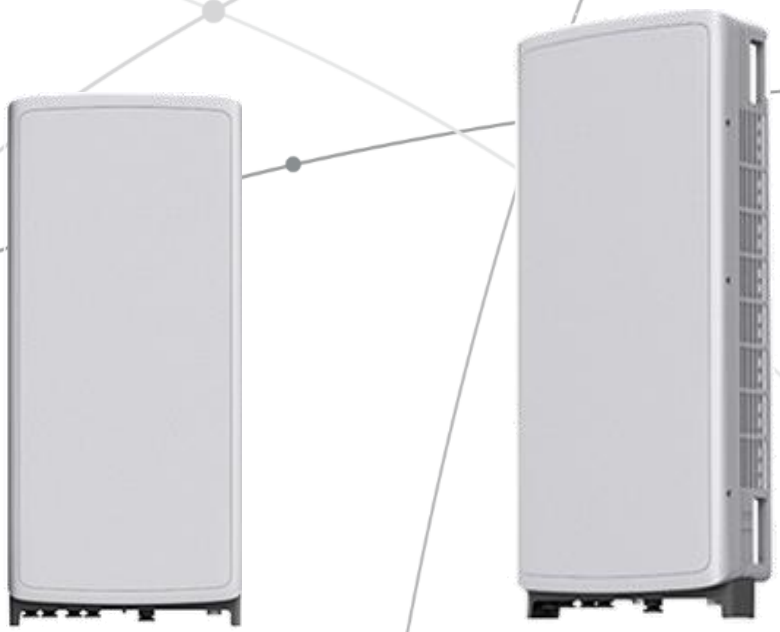
SAMSUNG

C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A

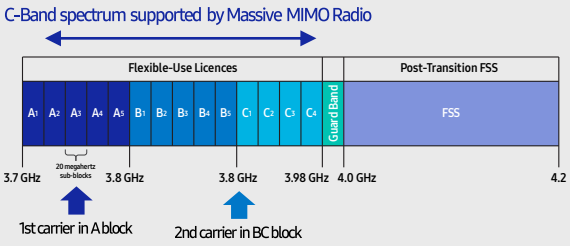


Points of Differentiation

Wide Bandwidth

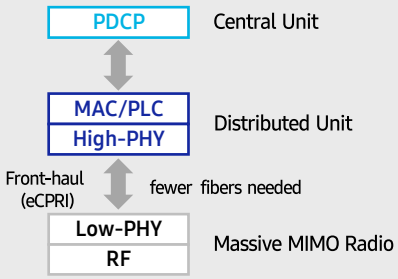
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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



Future Proof Product

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



Enhanced Performance

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

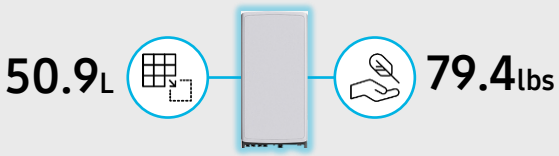
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

Well Matched Design

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

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



Technical Specifications

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

SAMSUNG

About Samsung Electronics Co., Ltd.

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

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

SAMSUNG

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

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

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

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

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

Features and Benefits

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

Key Technical Specifications

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

SAMSUNG

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

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

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

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

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

Features and Benefits

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

Key Technical Specifications

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

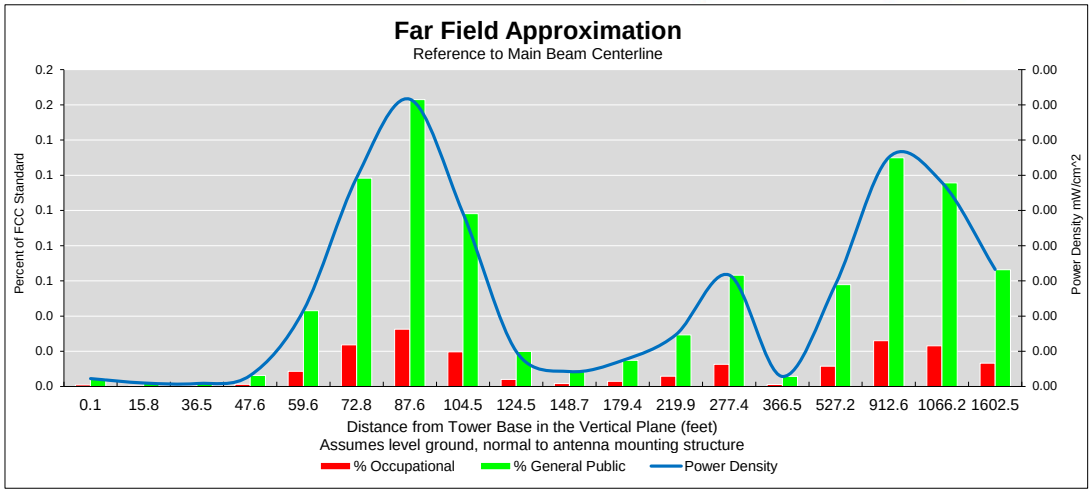
ATTACHMENT 3

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Quinebaug CT**
Site #:	2-0020
Date:	06/01/21
Name:	Wesley Stevens
File Name:	Quinebaug CT - FF Power

Antenna Type:	**JAHH-65B-R3B**
Operating Freq. (MHz):	**751**
Antenna Height (ft):	**115.0**
Antenna Gain (dBi):	**14.3**
Downtilt (degrees):	**2.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**40.0**
No. of Channels:	**4**



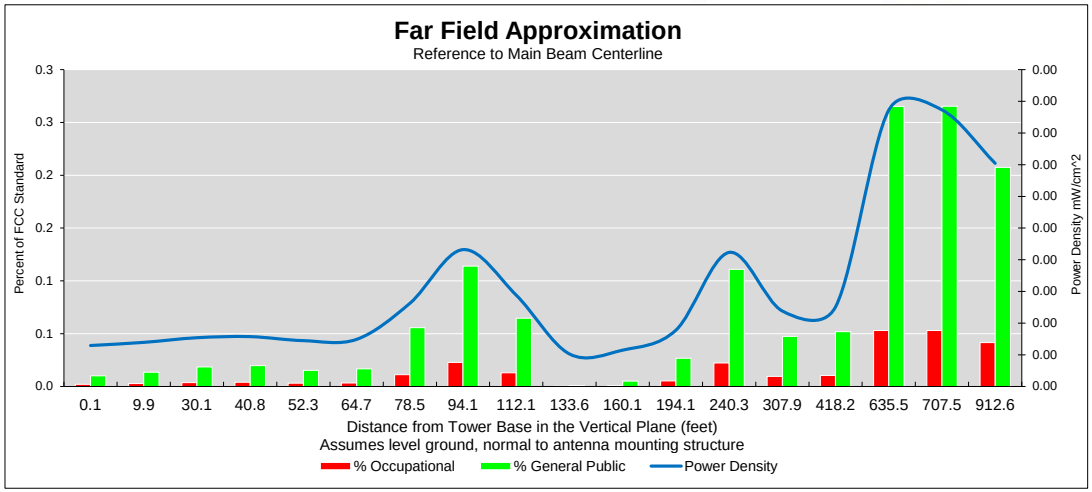
Calc Angle	90.0	82.0	72.0	67.0	62.0	57.0	52.0	47.0	42.0	37.0	32.0	27.0	22.0	17.0	12.0	7.0	6.0	4.0
Solve for r, dx to antenna	112.0	113.1	117.8	121.7	126.9	133.6	142.2	153.2	167.5	186.2	211.4	246.8	299.1	383.3	539.0	919.5	1072.0	1606.4
Distance from Antenna Structure Base in Horizontal plane	0.1	15.8	36.5	47.6	59.6	72.8	87.6	104.5	124.5	148.7	179.4	219.9	277.4	366.5	527.2	912.6	1066.2	1602.5
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	35.3	38.76	39.14	33.13	24.38	19.54	17.61	19.16	25.33	28.11	24.58	20.26	15.26	23.57	10.53	2.38	1.55	0.45
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.03	0.02	0.01
Percent of General Population Standard	0.00	0.00	0.00	0.01	0.04	0.12	0.16	0.10	0.02	0.01	0.01	0.03	0.06	0.01	0.06	0.13	0.12	0.07

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Quinebaug CT**
Site #:	2-0020
Date:	06/01/21
Name:	Wesley Stevens
File Name:	Quinebaug CT - FF Power

Antenna Type:	**JAHH-65B-R3B**
Operating Freq. (MHz):	**874**
Antenna Height (ft):	**115.0**
Antenna Gain (dBi):	**14.9**
Downtilt (degrees):	**5.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**40.0**
No. of Channels:	**4**



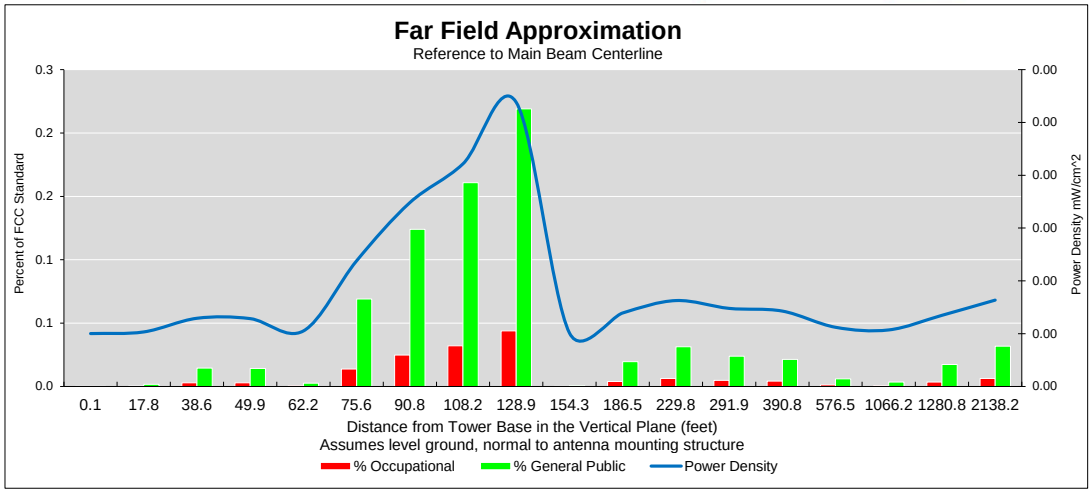
Calc Angle	90.0	85.0	75.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	9.0	7.0
Solve for r, dx to antenna	112.0	112.4	116.0	119.2	123.6	129.4	136.8	146.3	158.5	174.3	195.4	224.1	265.1	327.6	432.9	645.3	716.3	919.5
Distance from Antenna Structure Base in Horizontal plane	0.1	9.9	30.1	40.8	52.3	64.7	78.5	94.1	112.1	133.6	160.1	194.1	240.3	307.9	418.2	635.5	707.5	912.6
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	31.68	30.38	28.73	28.22	28.99	28.22	22.51	18.82	20.59	38.27	29.84	21.42	13.77	15.62	12.81	2.26	1.35	0.25
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.01	0.02	0.01	0.01	0.05	0.05	0.04
Percent of General Population Standard	0.01	0.01	0.02	0.02	0.02	0.02	0.06	0.11	0.06	0.00	0.01	0.03	0.11	0.05	0.05	0.27	0.27	0.21

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Quinebaug CT**
Site #:	2-0020
Date:	06/01/21
Name:	Wesley Stevens
File Name:	Quinebaug CT - FF Power

Antenna Type:	**JAHH-65B-R3B**
Operating Freq. (MHz):	**1978**
Antenna Height (ft):	**115.0**
Antenna Gain (dBi):	**18.1**
Downtilt (degrees):	**1.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**40.0**
No. of Channels:	**4**



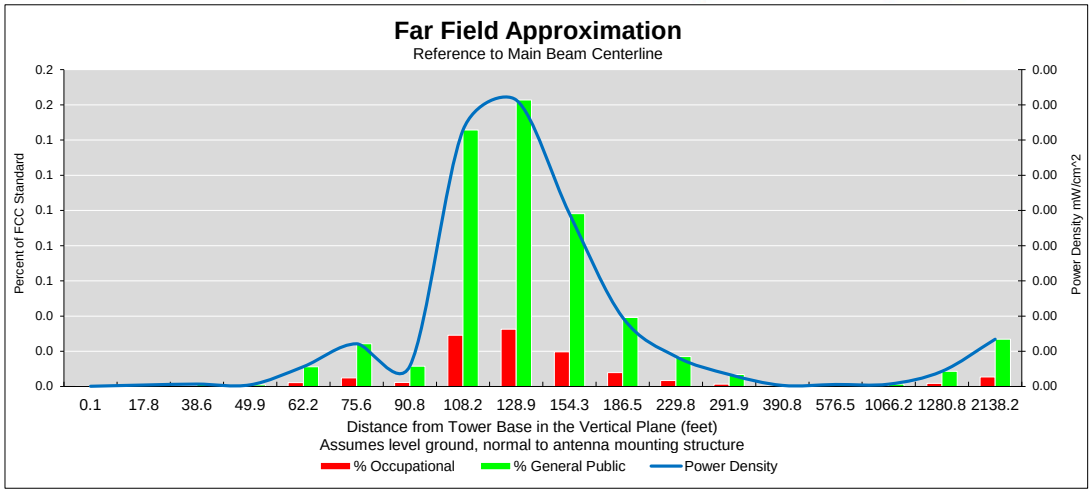
Calc Angle	90.0	81.0	71.0	66.0	61.0	56.0	51.0	46.0	41.0	36.0	31.0	26.0	21.0	16.0	11.0	6.0	5.0	3.0
Solve for r, dx to antenna	112.0	113.4	118.5	122.6	128.1	135.1	144.2	155.8	170.8	190.6	217.6	255.6	312.7	406.5	587.3	1072.0	1285.7	2141.1
Distance from Antenna Structure Base in Horizontal plane	0.1	17.8	38.6	49.9	62.2	75.6	90.8	108.2	128.9	154.3	186.5	229.8	291.9	390.8	576.5	1066.2	1280.8	2138.2
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	52.71	40.23	30.39	30.19	37.24	22.5	19.39	17.59	15.45	39.8	23.83	20.39	19.81	18.02	20.31	17.4	8.92	1.87
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.04	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
Percent of General Population Standard	0.00	0.00	0.01	0.01	0.00	0.07	0.12	0.16	0.22	0.00	0.02	0.03	0.02	0.02	0.01	0.00	0.02	0.03

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Quinebaug CT**
Site #:	2-0020
Date:	06/01/21
Name:	Wesley Stevens
File Name:	Quinebaug CT - FF Power

Antenna Type:	**JAHH-65B-R3B**
Operating Freq. (MHz):	**2120**
Antenna Height (ft):	**115.0**
Antenna Gain (dBi):	**18.0**
Downtilt (degrees):	**1.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**40.0**
No. of Channels:	**4**



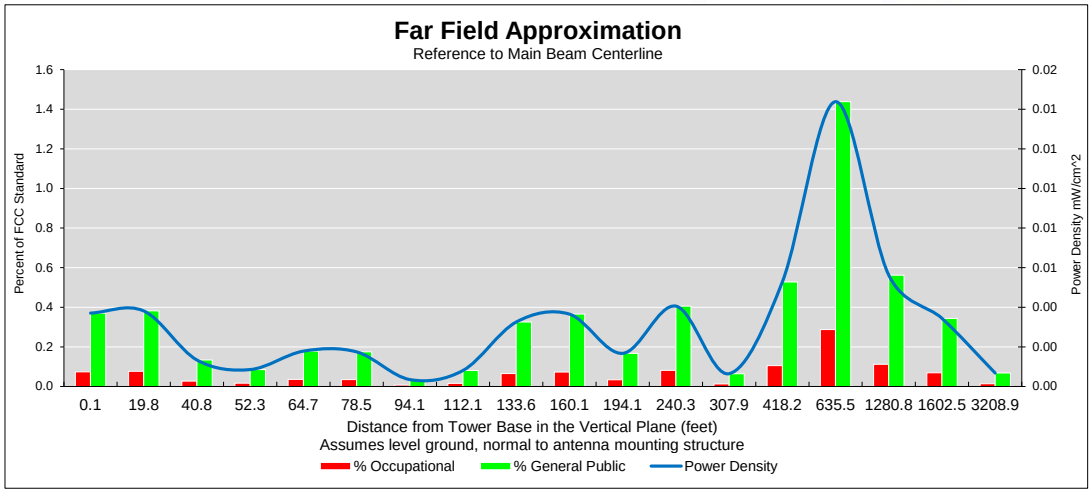
Calc Angle	90.0	81.0	71.0	66.0	61.0	56.0	51.0	46.0	41.0	36.0	31.0	26.0	21.0	16.0	11.0	6.0	5.0	3.0
Solve for r, dx to antenna	112.0	113.4	118.5	122.6	128.1	135.1	144.2	155.8	170.8	190.6	217.6	255.6	312.7	406.5	587.3	1072.0	1285.7	2141.1
Distance from Antenna Structure Base in Horizontal plane	0.1	17.8	38.6	49.9	62.2	75.6	90.8	108.2	128.9	154.3	186.5	229.8	291.9	390.8	576.5	1066.2	1280.8	2138.2
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	51.6	43.15	40.58	41.93	30.76	26.96	29.61	17.94	16.66	17.9	20.74	22.97	25.18	33.31	27.48	21.59	11.88	2.52
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Percent of Occupational Standard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Percent of General Population Standard	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.15	0.16	0.10	0.04	0.02	0.01	0.00	0.00	0.00	0.01	0.03

Far Field Approximation
with downtilt variation

Estimated Radiated Emission
Single Emitter Far Field Model
Dipole/Wire/Yagi Antenna Types

Location:	**Quinebaug CT**
Site #:	2-0020
Date:	06/01/21
Name:	Wesley Stevens
File Name:	Quinebaug CT - FF Power

Antenna Type:	**VZ-MT6407-77A**
Operating Freq. (MHz):	**3730**
Antenna Height (ft):	**115.0**
Antenna Gain (dBi):	**25.5**
Downtilt (degrees):	**0.0**
Feedline Loss (dB):	**0.0**
Tx Power (W):	**30.2**
No. of Channels:	**4**



Calc Angle	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
Solve for r, dx to antenna	112.0	113.7	119.2	123.6	129.4	136.8	146.3	158.5	174.3	195.4	224.1	265.1	327.6	432.9	645.3	1285.7	1606.4	3210.8
Distance from Antenna Structure Base in Horizontal plane	0.1	19.8	40.8	52.3	64.7	78.5	94.1	112.1	133.6	160.1	194.1	240.3	307.9	418.2	635.5	1280.8	1602.5	3208.9
Angle from Main Beam (reference to horizontal plane)	90.0	80.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0	20.0	15.0	10.0	5.0	4.0	2.0
dB down from centerline (referenced to centerline)	23.06	22.8	26.95	28.58	24.98	24.59	31	26.65	19.78	18.29	20.49	15.18	21.32	9.78	1.96	0.05	0.25	1.29
Reflection Coefficient (1 to 4, 2.56 typical)	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
Power Density (mW/cm^2)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00
Percent of Occupational Standard	0.07	0.08	0.03	0.02	0.04	0.03	0.01	0.02	0.07	0.07	0.03	0.08	0.01	0.11	0.29	0.11	0.07	0.01
Percent of General Population Standard	0.37	0.38	0.13	0.09	0.18	0.17	0.03	0.08	0.33	0.37	0.17	0.41	0.06	0.53	1.44	0.56	0.34	0.07

ATTACHMENT 4

nexius

Structural Analysis Report

Property Owner	Town of Quinebaug
Structural Type	125 ft Monopole Tower
Site Address	720 Quinebaug Road Quinebaug, CT 06262
Latitude	42.02275
Longitude	-71.9493

Client	**Verizon Wireless** *118 Flanders Road, 3rd Floor* *Westborough, MA 01581*
Site Type	MACRO
Site ID	675025
Site Name	QUINEBAUG_CT
Location Code	468550

Prepared by	Nexius Solutions, Inc. *2595 North Dallas Parkway Suite 300* *Frisco, TX 75034*
Job/Task Number	VZW468550A01-NX062
Project	L-Sub6
Rev	1
Email	structurals@nexius.com
Phone	972-581-9888
Date	05/14/2021 **Result**
Adequate (99.7 %)	

Dear Sir / Madam:

Nexius Solutions is pleased to submit this **Report** to determine the structural integrity of the referred tower.

Referenced documents used for this analysis are listed in the section DOCUMENTS & REFERENCES. This analysis has been performed in compliance with

- *2018 Connecticut State Building Code (IBC 2015 w/ State Amendments)*
- *ANSI/TIA-222-G w/ Addendums, Structural Standard for Antenna Supporting Structures and Antennas*.

Detailed design parameters are listed in Table 1. Analysis loading is detailed in Table 2 and Table 3.

Based on our analysis we have determined the following result:

Tower Stress Level	**Adequate (99.7 %)**
Foundation	**Adequate**

Nexius Solutions appreciates the opportunity of providing continued engineering services. Should you have any questions, comments or require additional information, please do not hesitate to contact us.

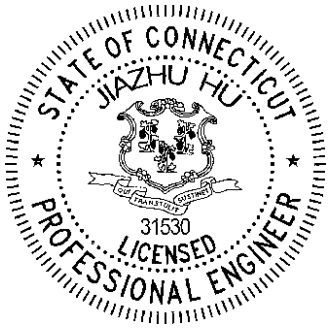
Sincerely,

Analysis Prepared by:

Akshay Doddamani, E.I.T

Approved by:

Jiazhu Hu, P.E.
Engineering Manager
License #: 31530



nexius

DOCUMENTS & REFERENCES

- RFDS, Location Code: 468550, Site Name: QUINEBAUG_CT , by Verizon Wireless, dated 03/01/2021.
- Construction Drawings (FOR CONSTRUCTION), Location Code: 468550, Verizon Site Name: QUINEBAUG_CT, by Nexius, dated 05/14/2021.
- Structural Analysis Report, Verizon Site: 468550_QUINEBAUG, APT Project #CT1411102, by All-Points Technology Corporation, dated 08/16/2017.
- Site visit notes, Location Code: 468550, Verizon Site Name: QUINEBAUG_CT, by Nexius, dated 03/15/2021.
- Post-MOD Antenna Mount Analysis Report and PMI Requirements, Verizon Site Name: QUINEBAUG_CT, Site Number: 468550, by MASER Consulting, dated 04/27/2021.
- Mount Modification Drawings, Verizon Site Name: QUINEBAUG_CT, Site Number: 468550, by MASER Consulting, dated 04/27/2021.

DESIGN STANDARDS & PARAMETERS

TABLE 1 STANDARDS & DESIGN PARAMETERS

Codes and Standards	
Building Code	2018 Connecticut State Building Code (IBC 2015 w/ State Amendments)
TIA Standard	ANSI/TIA-222-G w/ Addendums
Wind Parameters	
Ultimate Wind Speed	136 mph
Nominal Wind Speed	105 mph
Nominal Wind Speed with Ice	50 mph
Radial Ice Thickness	1 in
Exposure Category	B
Structure Class	III
Topographic Category	1
Seismic Design Parameters	
S_S	0.172
S_1	0.064

RESULTS & RECOMMENDATIONS

Based on our analysis, it is determined that the existing tower structure and foundation to be **ADEQUATE** to support the existing and proposed loading.

There is only partial information available for the site geotechnical condition and foundation from the referred analysis. It is assumed that they are accurate. Foundation analysis has been performed solely based on the provided information. Geotechnical investigation and foundation mapping would be needed to obtain more accurate site condition and foundation information for performing rigorous analysis.

All structural components and connections should be checked for tightness and good condition prior to installing any proposed loading. The analysis is performed based on structural information obtained from provided analysis report and site visit pictures. The analysis assumes that the provided information is accurate. If the site conditions are different from assumptions or do not meet requirements, the analysis result would not be valid and Nexius should be notified for re-evaluation.

LOADING

TABLE 2 – PROPOSED ANTENNA AND CABLE INFORMATION

Mount Elev. ft	Ant. Ctr. Elev. ft	Qty	Antenna Manufacturer	Antenna Model	No. of Feed Lines	Feed Line Size in	Note
115	115	**3**	**Samsung**	**VZS01 Antenna w/ RRH***	-	-	-
		3	**CommScope**	**CBC78T-DS-43-2X**			
		3	**Samsung**	**B2/B66A RRH-BR049**			
		3	**Samsung**	**B5/B13 RRH-BR04C**			

* Not to exceed 35.12"x16.06"x5.51" for dimensions and 87.1 lbs for weight.

TABLE 3 – EXISTING AND RESERVED ANTENNA AND CABLE INFORMATION

Mount Elev. ft	Ant. Ctr. Elev. ft	Qty	Antenna Manufacturer	Antenna Model	No. of Feed Lines	Feed Line Size in	Note
123.0	123.0	1	-	20ft 4-Bay Dipole	3	7/8	1
		1	-	10ft 8-Bay Dipole			
		1	-	10ft Omni			
123.0	123.0	6	-	91” x 21” x 7” Panel	12 2 1	1-5/8 Power Fiber	1
		3	-	54.5” x 10.3” x 5.9” Panel			
		6	-	TMAs			
		9	-	RRHs			
		1	-	Squid			
		1	-	12 ft Platform w/ Handrail & Kicker			
115.0	115.0	6	CommScope	JAHH-65B-R3B	12 2	1-5/8 6x12 Hybrid	1
		6	Antel	LPA-80080/6CF			
		2	-	6C OVP			
		1	-	12 ft Platform w/ Proposed Handrail and Kicker			
		3	Nokia	UHBA B13 RRH 4X30	-	-	2
		3	Nokia	UHIE B66A RRH 4X45			
105.0	105.0	8	-	54.5” x 10.3” x 5.9” Panel	12	1-5/8	1
		4	-	95.9”x 24”x 8.7” Panel			
		8	-	RRUs			
		4	-	TMAs			
		1	SitePro1	12ft Quad Platform w/ Walkways & Handrail			

Notes:

1) Existing Equipment
2) Equipment to be removed; Not considered in this analysis

ANALYSIS

tnxTower, a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for required loading cases. Selected output from the analysis is included in APPENDICES.

nexius

RESULTS – MEMBER CAPACITIES

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	125 - 85.5	Pole	TP29.725x21.037x0.1875	1	-13.90	1080.57	91.2	Pass
L2	85.5 - 39.42	Pole	TP39.6246x28.3602x0.2813	2	-22.71	2280.10	99.2	Pass
L3	39.42 - 21	Pole	TP42.9745x37.8193x0.3125	3	-29.15	2826.98	99.7	Pass
L4	21 - 0	Pole	TP47.5932x42.9745x0.3393	4	-34.64	3371.01	95.1	Pass
							Summary	
						Pole (L3)	99.7	Pass
						Base Plate	98.6	Pass
						RATING =	**99.7**	**Pass**

nexius

Standard Conditions for Providing Structural Consulting Services on Existing Structures

1. The structure is analyzed to the best of our ability using all information that is provided or can be obtained during fieldwork (if authorized by client). If the existing conditions are not as we have represented in this analysis, the analysis would not be valid, and we should be contacted to evaluate the significance of the deviation and revise the assessment accordingly.
2. The structural analysis has been performed assuming that the structural members, parts and component were originally designed properly and are all in "like new" condition. No allowance was made for excessive corrosion, damaged or missing structural members, loose bolts, misaligned parts, or any reduction in strength due to the age or fatigue of the product.
3. The structural analysis provided is an assessment of the primary load carrying capacity of the structural members, components and parts. We provided a limited scope of service. In some cases, we cannot verify the capacity of every weld, plate, connection detail, etc. In some cases, structural fabrication details are unknown at the time of our analysis, and the detailed field measurement of some of the required details may not be possible. In instances where we cannot perform connection capacity calculations, it is assumed that the existing manufactured connections develop the full capacity of the primary members being connected.
4. We cannot be held responsible for structural members, components and parts that are installed improperly, are loose or have a tendency of working loose over the lifetime. Our analysis has been performed assuming fully tightened connections, and proper installation per manufacturer's instructions.
5. The structural analysis has been performed using information currently provided by the client and potentially field verified. We have been provided with a loading arrangement for all telecommunications equipment on the structure. Our analysis has been based upon a particular loading arrangement provided. We are not responsible for deviations in the loading arrangements that may occur over time. If deviations in loading arrangements are proposed, then the analysis would not be valid and we should be contacted to revise the analysis.
6. We cannot be held responsible for temporary and unbalanced loads on structure. Our analysis is based on a particular loading arrangement or as-build field condition. We are not responsible for the methods and means of how the loading arrangement is accomplished by the contractor. These methods and means may include rigging of equipment or hardware to lift and locate, temporary hanging of equipment in locations other than the final arrangement, movement and tie off of tower riggers, personnel, and their equipment, etc.
7. It is assumed that all welded connections are performed in the shop under the latest American Welding Society Code. No field welds are permitted or assumed for the existing pre-manufactured equipment.
8. Steel grade and strength are unknown and cannot be field tested. We cannot be held responsible for equipment manufactured from inferior steel or bolts. Our analysis assumes that standard structural grade steel has been used by the equipment manufacturer for all assembled parts of the mounting apparatus. Acceptable steels and connection components are specified by the American Institute of Steel Construction. In case no accurate info available, following material assumptions were used:

Pipe	ASTM A53 B-42
Connection Bolts	ASTM A325

nexius

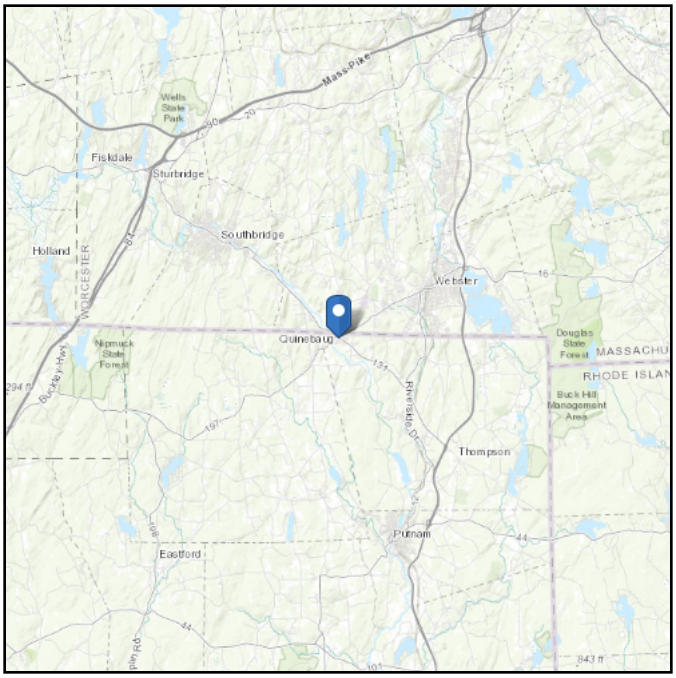
Appendix #1: Loading Parameters and Calculations

ASCE 7 Hazards Report

Address:
No Address at This Location

Standard: ASCE/SEI 7-10
Risk Category: III
Soil Class: D - Stiff Soil

Elevation: 368.79 ft (NAVD 88)
Latitude: 42.02275
Longitude: -71.9493



Wind

Results:

Wind Speed:	136 Vmph
10-year MRI	78 Vmph
25-year MRI	88 Vmph
50-year MRI	95 Vmph
100-year MRI	102 Vmph

Data Source: ASCE/SEI 7-10, Fig. 26.5-1B and Figs. CC-1–CC-4, and Section 26.5.2, incorporating errata of March 12, 2014

Date Accessed: Mon Mar 29 2021

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years).

Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

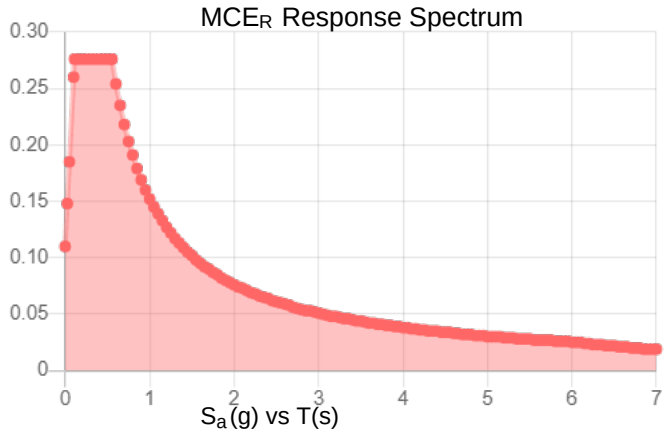
Seismic

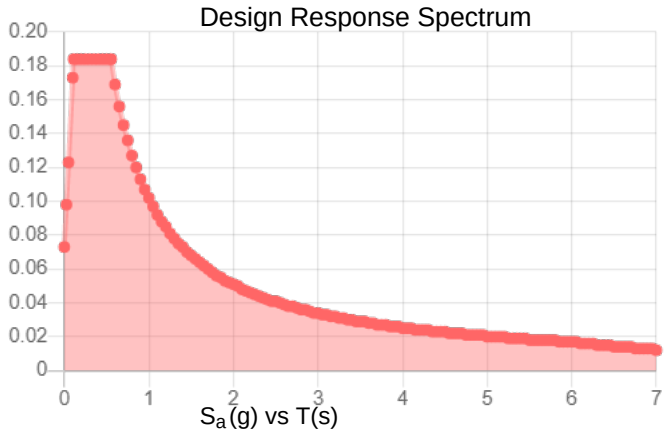
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.172	S_{DS} :	0.184
S_1 :	0.064	S_{D1} :	0.102
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.085
S_{MS} :	0.276	PGA_M :	0.136
S_{M1} :	0.152	F_{PGA} :	1.6
		I_e :	1.25

Seismic Design Category B





Data Accessed: Mon Mar 29 2021

Date Source: USGS Seismic Design Maps based on ASCE/SEI 7-10, incorporating Supplement 1 and errata of March 31, 2013, and ASCE/SEI 7-10 Table 1.5-2. Additional data for site-specific ground motion procedures in accordance with ASCE/SEI 7-10 Ch. 21 are available from USGS.

Ice

Results:

Ice Thickness:	1.00 in.
Concurrent Temperature:	5 F
Gust Speed:	50 mph
Data Source:	Standard ASCE/SEI 7-10, Figs. 10-2 through 10-8
Date Accessed:	Mon Mar 29 2021

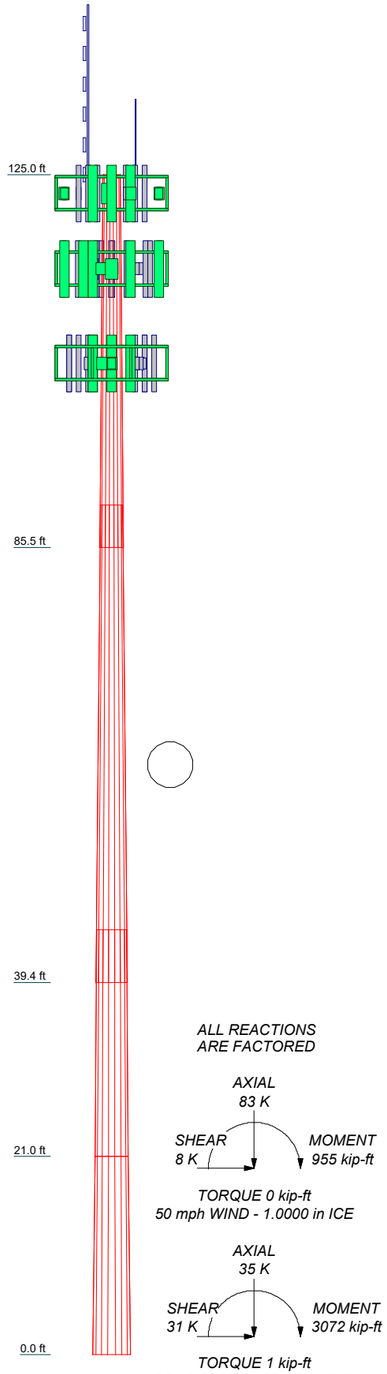
Ice thicknesses on structures in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-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.

nexius

Appendix #2: tnxTower Output

Section	Length (ft)	Number of Sides	Thickness (in)	Socket Length (ft)	Top Dia (in)	Bot Dia (in)	Grade	Weight (K)
1	39.50	16	0.1875	4.50	21.0370	29.7250	A572-65	2.0
2	50.58	16	0.2813	5.58	28.3602	39.6246	A572-65	5.2
3	24.00	16	0.3125		37.8193	42.9745	A572-65	3.3
4	21.00	16	0.3393		42.9745	47.5932	A572-65	3.5
								14.0



ALL REACTIONS ARE FACTORED

AXIAL 83 K
SHEAR 8 K
MOMENT 955 kip-ft
TORQUE 0 kip-ft
50 mph WIND - 1.0000 in ICE

AXIAL 35 K
SHEAR 31 K
MOMENT 3072 kip-ft
TORQUE 1 kip-ft
REACTIONS - 105 mph WIND

DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
20' 4-bay Dipole (Town)	123	Samsung B2/B66A RRH BR049 (VZW)	115
10' x 1" Omni (Town)	123	Samsung B5/B13 RRH-BR04C (VZW)	115
10-ft 8-Bay Dipole (Town)	123	Samsung B5/B13 RRH-BR04C (VZW)	115
91" x 21" x7" Panel (ATI)	123	Samsung B5/B13 RRH-BR04C (VZW)	115
91" x 21" x7" Panel (ATI)	123	CBC78T-DS-43-2X (VZW)	115
91" x 21" x7" Panel (ATI)	123	CBC78T-DS-43-2X (VZW)	115
91" x 21" x7" Panel (ATI)	123	CBC78T-DS-43-2X (VZW)	115
91" x 21" x7" Panel (ATI)	123	6 OVP Junction box (VZW)	115
91" x 21" x7" Panel (ATI)	123	6 OVP Junction box (VZW)	115
54.5" x10.3"x5.9" Panel (ATI)	123	12.5ft Platform w/ Handrial (LP301-1) (VZW)	115
54.5" x10.3"x5.9" Panel (ATI)	123	VZS01 Antenna w/ RRH (VZW)	115
54.5" x10.3"x5.9" Panel (ATI)	123	NA 509-3 (Kicker Kit) (VZW)	115
(2) RRU Unit (ATI)	123	95.9"x24"x8.7" Panel	105
(2) RRU Unit (ATI)	123	95.9"x24"x8.7" Panel	105
(2) RRU Unit (ATI)	123	54.5" x10.3"x5.9" Panel	105
RRU Unit (ATI)	123	54.5" x10.3"x5.9" Panel	105
RRU Unit (ATI)	123	54.5" x10.3"x5.9" Panel	105
RRU Unit (ATI)	123	54.5" x10.3"x5.9" Panel	105
(2) TMA (ATI)	123	5ft Panel w/ Mtg Pipe	105
(2) TMA (ATI)	123	5ft Panel w/ Mtg Pipe	105
(2) TMA (ATI)	123	5ft Panel w/ Mtg Pipe	105
Squid/ Junction Box (ATI)	123	5ft Panel w/ Mtg Pipe	105
12.5ft Platform w/ Handrial (LP301-1) (ATI)	123	RRU Unit	105
NA 509-3 (Kicker Kit)	123	RRU Unit	105
VZS01 Antenna w/ RRH (VZW)	115	RRU Unit	105
VZS01 Antenna w/ RRH (VZW)	115	RRU Unit	105
(2) JAHH-65B-R3B (VZW)	115	RRU Unit	105
(2) JAHH-65B-R3B (VZW)	115	RRU Unit	105
(2) JAHH-65B-R3B (VZW)	115	RRU Unit	105
LPA-80080-6CF (VZW)	115	RRU Unit	105
LPA-80080-6CF (VZW)	115	TMA	105
LPA-80080-6CF (VZW)	115	TMA	105
LPA-80080-6CF (VZW)	115	TMA	105
LPA-80080-6CF (VZW)	115	TMA	105
LPA-80080-6CF (VZW)	115	12ft Quad Platform w/ Handrail (LP 701-1+ NA 507-1)	105
Samsung B2/B66A RRH BR049 (VZW)	115	95.9"x24"x8.7" Panel	105
Samsung B2/B66A RRH BR049 (VZW)	115	95.9"x24"x8.7" Panel	105

MATERIAL STRENGTH

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

TOWER DESIGN NOTES

1. Tower designed for Exposure B to the TIA-222-G Standard.
2. Tower designed for a 105 mph basic wind in accordance with the TIA-222-G Standard.
3. Tower is also designed for a 50 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Structure Class III.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. Weld together tower sections have flange connections.
8. Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications.
9. Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
10. Welds are fabricated with ER-70S-6 electrodes.

Nexius
300 Apollo Drive, Suite 7
Chelmsford, MA 01824
Phone: 1 (978) 923-7965
FAX:

Job: ***VZW468550A01_NX062***			
Project: ***QUINEBAUG_CT***			
Client: Verizon	Drawn by: Akshay Doddamani	App'd:	
Code: TIA-222-G	Date: 05/13/21	Scale: NTS	
Path:		Dwg No. E-1	

Tower Input Data

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

ASCE 7-10 Wind Data is used (wind speeds converted to nominal values).
Basic wind speed of 105 mph.
Structure Class III.
Exposure Category B.
Topographic Category 1.
Crest Height 0.00 ft.
Nominal ice thickness of 1.0000 in.
Ice thickness is considered to increase with height.
Ice density of 56 pcf.
A wind speed of 50 mph is used in combination with ice.
Temperature drop of 50 °F.
Deflections calculated using a wind speed of 60 mph.
Weld together tower sections have flange connections..
Connections use galvanized A325 bolts, nuts and locking devices. Installation per TIA/EIA-222 and AISC Specifications..
Tower members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards..
Welds are fabricated with ER-70S-6 electrodes..
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.

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	125.00-85.50	39.50	4.50	16	21.0370	29.7250	0.1875	0.7500	A572-65 (65 ksi)
L2	85.50-39.42	50.58	5.58	16	28.3602	39.6246	0.2813	1.1252	A572-65 (65 ksi)
L3	39.42-21.00	24.00	0.00	16	37.8193	42.9745	0.3125	1.2500	A572-65 (65 ksi)
L4	21.00-0.00	21.00		16	42.9745	47.5932	0.3393	1.3571	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L1	21.4124 30.2706	12.4706 17.6671	684.8465 1947.2760	7.4224 10.5154	10.7289 15.1597	63.8321 128.4504	1380.0624 3924.0362	6.1661 8.7355	3.8132 5.5422	20.337 29.558

Section	Tip Dia. in	Area in^2	I in^4	r in	C in	I/C in^3	J in^4	It/Q in^2	w in	w/t
L2	29.8825	25.1965	2509.6684	9.9961	14.4637	173.5148	5057.3363	12.4584	5.0839	18.073
	40.3458	35.3046	6903.7830	14.0062	20.2085	341.6269	13912.0977	17.4563	7.3255	26.042
L3	39.7211	37.3896	6644.8547	13.3524	19.2878	344.5099	13390.3206	18.4872	6.9042	22.093
	43.7552	42.5287	9778.6503	15.1877	21.9170	446.1674	19705.3613	21.0282	7.9301	25.376
L4	43.7500	46.1442	10596.6611	15.1781	21.9170	483.4905	21353.7685	22.8159	7.8768	23.216
	48.4591	51.1431	14427.0265	16.8224	24.2725	594.3767	29072.4958	25.2876	8.7959	25.925

Tower Elevation ft	Gusset Area (per face) ft^2	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 125.00-85.50				1	1	1			
L2 85.50-39.42				1	1	1			
L3 39.42-21.00				1	1	1			
L4 21.00-0.00				1	1	1			

Monopole Base Plate Data

Base Plate Data	
Base plate is square	
Base plate is grouted	
Anchor bolt grade	A615-75
Anchor bolt size	2.2500 in
Number of bolts	12
Embedment length	84.0000 in
f'_c	4 ksi
Grout space	2.0000 in
Base plate grade	A572-60
Base plate thickness	2.2500 in
Bolt circle diameter	55.0000 in
Outer diameter	61.0000 in
Inner diameter	46.0000 in
Base plate type	Plain Plate

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
LCF78-50J (7/8 FOAM) (Town)	A	No	Yes	Inside Pole	123.00 - 6.00	3	No Ice	0.00	0.53
							1/2" Ice	0.00	0.53
							1" Ice	0.00	0.53
LDF7-50A (1-5/8 FOAM) (AT&T)	C	No	Yes	Inside Pole	123.00 - 6.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
Fiber Cable (AT&T)	C	No	Yes	Inside Pole	123.00 - 6.00	1	No Ice	0.00	0.20
							1/2" Ice	0.00	0.20
							1" Ice	0.00	0.20
DC Cable (AT&T)	C	No	Yes	Inside Pole	123.00 - 6.00	2	No Ice	0.00	0.30
							1/2" Ice	0.00	0.30
							1" Ice	0.00	0.30

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
LDF7-50A (1-5/8 FOAM) (VZW)	B	No	Yes	Inside Pole	115.00 - 6.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
Hybrid Cable 6x12 (VZW)	B	No	Yes	Inside Pole	115.00 - 6.00	2	No Ice	0.00	1.70
							1/2" Ice	0.00	1.70
							1" Ice	0.00	1.70
LDF7-50A (1-5/8 FOAM)	C	No	Yes	Inside Pole	105.00 - 6.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	125.00-85.50	A	0.000	0.000	0.000	0.000	0.06
		B	0.000	0.000	0.000	0.000	0.39
		C	0.000	0.000	0.000	0.000	0.59
L2	85.50-39.42	A	0.000	0.000	0.000	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.61
		C	0.000	0.000	0.000	0.000	0.94
L3	39.42-21.00	A	0.000	0.000	0.000	0.000	0.03
		B	0.000	0.000	0.000	0.000	0.24
		C	0.000	0.000	0.000	0.000	0.38
L4	21.00-0.00	A	0.000	0.000	0.000	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.20
		C	0.000	0.000	0.000	0.000	0.31

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	125.00-85.50	A	2.805	0.000	0.000	0.000	0.000	0.06
		B		0.000	0.000	0.000	0.000	0.39
		C		0.000	0.000	0.000	0.000	0.59
L2	85.50-39.42	A	2.662	0.000	0.000	0.000	0.000	0.07
		B		0.000	0.000	0.000	0.000	0.61
		C		0.000	0.000	0.000	0.000	0.94
L3	39.42-21.00	A	2.477	0.000	0.000	0.000	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.24
		C		0.000	0.000	0.000	0.000	0.38
L4	21.00-0.00	A	2.226	0.000	0.000	0.000	0.000	0.02
		B		0.000	0.000	0.000	0.000	0.20
		C		0.000	0.000	0.000	0.000	0.31

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***** 123 ft ****									
20' 4-bay Dipole	A	From Face	2.00	0.0000	123.00	No Ice	4.00	4.00	0.06
(Town)			0.00			1/2" Ice	6.00	6.00	0.10
			10.00			1" Ice	8.00	8.00	0.14
10' x 1" Omni	B	From Face	2.00	0.0000	123.00	No Ice	1.00	1.00	0.04
(Town)			0.00			1/2" Ice	2.02	2.02	0.05
			5.00			1" Ice	3.05	3.05	0.06
10-ft 8-Bay Dipole	C	From Face	2.00	0.0000	123.00	No Ice	2.50	2.50	0.07
(Town)			0.00			1/2" Ice	3.53	3.53	0.09
			5.00			1" Ice	4.58	4.58	0.12
*****									
91" x 21" x7" Panel	A	From Face	2.00	0.0000	123.00	No Ice	17.01	7.08	0.07
(AT&T)			0.00			1/2" Ice	17.61	7.64	0.16
			0.00			1" Ice	18.22	8.21	0.26
91" x 21" x7" Panel	B	From Face	2.00	0.0000	123.00	No Ice	17.01	7.08	0.07
(AT&T)			0.00			1/2" Ice	17.61	7.64	0.16
			0.00			1" Ice	18.22	8.21	0.26
91" x 21" x7" Panel	C	From Face	2.00	0.0000	123.00	No Ice	17.01	7.08	0.07
(AT&T)			0.00			1/2" Ice	17.61	7.64	0.16
			0.00			1" Ice	18.22	8.21	0.26
91" x 21" x7" Panel	A	From Face	2.00	0.0000	123.00	No Ice	17.01	7.08	0.07
(AT&T)			-2.00			1/2" Ice	17.61	7.64	0.16
			0.00			1" Ice	18.22	8.21	0.26
91" x 21" x7" Panel	B	From Face	2.00	0.0000	123.00	No Ice	17.01	7.08	0.07
(AT&T)			-2.00			1/2" Ice	17.61	7.64	0.16
			0.00			1" Ice	18.22	8.21	0.26
91" x 21" x7" Panel	C	From Face	2.00	0.0000	123.00	No Ice	17.01	7.08	0.07
(AT&T)			-2.00			1/2" Ice	17.61	7.64	0.16
			0.00			1" Ice	18.22	8.21	0.26
54.5" x10.3"x5.9" Panel	A	From Face	2.00	0.0000	123.00	No Ice	5.16	3.29	0.05
(AT&T)			2.00			1/2" Ice	5.51	3.64	0.08
			0.00			1" Ice	5.87	3.99	0.12
54.5" x10.3"x5.9" Panel	B	From Face	2.00	0.0000	123.00	No Ice	5.16	3.29	0.05
(AT&T)			2.00			1/2" Ice	5.51	3.64	0.08
			0.00			1" Ice	5.87	3.99	0.12
54.5" x10.3"x5.9" Panel	C	From Face	2.00	0.0000	123.00	No Ice	5.16	3.29	0.05
(AT&T)			2.00			1/2" Ice	5.51	3.64	0.08
			0.00			1" Ice	5.87	3.99	0.12
(2) RRU Unit	A	From Face	2.00	0.0000	123.00	No Ice	1.71	1.29	0.05
(AT&T)			0.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
(2) RRU Unit	B	From Face	2.00	0.0000	123.00	No Ice	1.71	1.29	0.05
(AT&T)			0.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
(2) RRU Unit	C	From Face	2.00	0.0000	123.00	No Ice	1.71	1.29	0.05
(AT&T)			0.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
RRU Unit	A	From Face	2.00	0.0000	123.00	No Ice	1.71	1.29	0.05
(AT&T)			-2.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	B	From Face	2.00	0.0000	123.00	No Ice	1.71	1.29	0.05
(AT&T)			-2.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	C	From Face	2.00	0.0000	123.00	No Ice	1.71	1.29	0.05
(AT&T)			-2.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
(2) TMA	A	From Face	2.00	0.0000	123.00	No Ice	1.10	0.35	0.01
(AT&T)			0.00			1/2" Ice	1.24	0.44	0.02
			0.00			1" Ice	1.38	0.54	0.03
(2) TMA	B	From Face	2.00	0.0000	123.00	No Ice	1.10	0.35	0.01
(AT&T)			0.00			1/2" Ice	1.24	0.44	0.02
			0.00			1" Ice	1.38	0.54	0.03
(2) TMA	C	From Face	2.00	0.0000	123.00	No Ice	1.10	0.35	0.01
(AT&T)			0.00			1/2" Ice	1.24	0.44	0.02
			0.00			1" Ice	1.38	0.54	0.03
Squid/ Junction Box	C	From Leg	0.00	0.0000	123.00	No Ice	3.36	2.19	0.03
(AT&T)			0.00			1/2" Ice	3.60	2.39	0.06
			0.00			1" Ice	3.84	2.61	0.09
12.5ft Platform w/ Handrial	C	None		0.0000	123.00	No Ice	30.10	30.10	1.59
(LP301-1)						1/2" Ice	40.80	40.80	2.03
(AT&T)						1" Ice	51.50	51.50	2.47
***** 115 ft *****									
VZS01 Antenna w/ RRH	A	From Face	2.00	0.0000	115.00	No Ice	5.43	3.17	0.11
(VZW)			2.00			1/2" Ice	5.97	3.89	0.15
			0.00			1" Ice	6.46	4.49	0.20
VZS01 Antenna w/ RRH	B	From Face	2.00	0.0000	115.00	No Ice	5.43	3.17	0.11
(VZW)			2.00			1/2" Ice	5.97	3.89	0.15
			0.00			1" Ice	6.46	4.49	0.20
VZS01 Antenna w/ RRH	C	From Face	2.00	0.0000	115.00	No Ice	5.43	3.17	0.11
(VZW)			2.00			1/2" Ice	5.97	3.89	0.15
			0.00			1" Ice	6.46	4.49	0.20
(2) JAHH-65B-R3B	A	From Face	2.00	0.0000	115.00	No Ice	9.11	5.98	0.06
(VZW)			0.00			1/2" Ice	9.58	6.44	0.12
			0.00			1" Ice	10.05	6.91	0.19
(2) JAHH-65B-R3B	B	From Face	2.00	0.0000	115.00	No Ice	9.11	5.98	0.06
(VZW)			0.00			1/2" Ice	9.58	6.44	0.12
			0.00			1" Ice	10.05	6.91	0.19
(2) JAHH-65B-R3B	C	From Face	2.00	0.0000	115.00	No Ice	9.11	5.98	0.06
(VZW)			0.00			1/2" Ice	9.58	6.44	0.12
			0.00			1" Ice	10.05	6.91	0.19
LPA-80080-6CF	A	From Face	2.00	0.0000	115.00	No Ice	4.32	8.63	0.02
(VZW)			-2.00			1/2" Ice	4.76	9.08	0.07
			0.00			1" Ice	5.21	9.55	0.12
LPA-80080-6CF	B	From Face	2.00	0.0000	115.00	No Ice	4.32	8.63	0.02
(VZW)			-2.00			1/2" Ice	4.76	9.08	0.07
			0.00			1" Ice	5.21	9.55	0.12
LPA-80080-6CF	C	From Face	2.00	0.0000	115.00	No Ice	4.32	8.63	0.02
(VZW)			-2.00			1/2" Ice	4.76	9.08	0.07
			0.00			1" Ice	5.21	9.55	0.12
LPA-80080-6CF	A	From Face	2.00	0.0000	115.00	No Ice	4.32	8.63	0.02
(VZW)			3.00			1/2" Ice	4.76	9.08	0.07
			0.00			1" Ice	5.21	9.55	0.12
LPA-80080-6CF	B	From Face	2.00	0.0000	115.00	No Ice	4.32	8.63	0.02
(VZW)			3.00			1/2" Ice	4.76	9.08	0.07

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft	Vert ft	ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00					1" Ice	5.21	9.55	0.12
LPA-80080-6CF	C	From Face	2.00			0.0000	115.00	No Ice	4.32	8.63	0.02
(VZW)			3.00					1/2" Ice	4.76	9.08	0.07
			0.00					1" Ice	5.21	9.55	0.12
Samsung B2/B66A RRH	A	From Face	2.00			0.0000	115.00	No Ice	1.88	1.01	0.08
BR049			0.00					1/2" Ice	2.05	1.14	0.10
(VZW)			0.00					1" Ice	2.22	1.28	0.12
Samsung B2/B66A RRH	B	From Face	2.00			0.0000	115.00	No Ice	1.88	1.01	0.08
BR049			0.00					1/2" Ice	2.05	1.14	0.10
(VZW)			0.00					1" Ice	2.22	1.28	0.12
Samsung B2/B66A RRH	C	From Face	2.00			0.0000	115.00	No Ice	1.88	1.01	0.08
BR049			0.00					1/2" Ice	2.05	1.14	0.10
(VZW)			0.00					1" Ice	2.22	1.28	0.12
Samsung B5/B13	A	From Face	2.00			0.0000	115.00	No Ice	1.88	1.01	0.08
RRH-BR04C			1.00					1/2" Ice	2.05	1.14	0.10
(VZW)			0.00					1" Ice	2.22	1.28	0.12
Samsung B5/B13	B	From Face	2.00			0.0000	115.00	No Ice	1.88	1.01	0.08
RRH-BR04C			1.00					1/2" Ice	2.05	1.14	0.10
(VZW)			0.00					1" Ice	2.22	1.28	0.12
Samsung B5/B13	C	From Face	2.00			0.0000	115.00	No Ice	1.88	1.01	0.08
RRH-BR04C			1.00					1/2" Ice	2.05	1.14	0.10
(VZW)			0.00					1" Ice	2.22	1.28	0.12
CBC78T-DS-43-2X	A	From Face	2.00			0.0000	115.00	No Ice	0.37	0.51	0.02
(VZW)			0.00					1/2" Ice	0.45	0.60	0.03
			0.00					1" Ice	0.53	0.70	0.03
CBC78T-DS-43-2X	B	From Face	2.00			0.0000	115.00	No Ice	0.37	0.51	0.02
(VZW)			0.00					1/2" Ice	0.45	0.60	0.03
			0.00					1" Ice	0.53	0.70	0.03
CBC78T-DS-43-2X	C	From Face	2.00			0.0000	115.00	No Ice	0.37	0.51	0.02
(VZW)			0.00					1/2" Ice	0.45	0.60	0.03
			0.00					1" Ice	0.53	0.70	0.03
6 OVP Junction box	A	From Face	1.00			0.0000	115.00	No Ice	3.36	2.19	0.03
(VZW)			0.00					1/2" Ice	3.60	2.39	0.06
			0.00					1" Ice	3.84	2.61	0.09
6 OVP Junction box	C	From Face	1.00			0.0000	115.00	No Ice	3.36	2.19	0.03
(VZW)			0.00					1/2" Ice	3.60	2.39	0.06
			0.00					1" Ice	3.84	2.61	0.09
12.5ft Platform w/ Handrial	C	None				0.0000	115.00	No Ice	30.10	30.10	1.59
(LP301-1)								1/2" Ice	40.80	40.80	2.03
(VZW)								1" Ice	51.50	51.50	2.47
***** 105 ft *****											
95.9"x24"x8.7" Panel	A	From Face	3.00			0.0000	105.00	No Ice	20.24	10.79	0.16
			0.00					1/2" Ice	20.89	12.21	0.29
			0.00					1" Ice	21.55	13.49	0.44
95.9"x24"x8.7" Panel	B	From Face	3.00			0.0000	105.00	No Ice	20.24	10.79	0.16
			0.00					1/2" Ice	20.89	12.21	0.29
			0.00					1" Ice	21.55	13.49	0.44
95.9"x24"x8.7" Panel	B	From Face	3.00			0.0000	105.00	No Ice	20.24	10.79	0.16
			0.00					1/2" Ice	20.89	12.21	0.29
			0.00					1" Ice	21.55	13.49	0.44
95.9"x24"x8.7" Panel	C	From Face	3.00			0.0000	105.00	No Ice	20.24	10.79	0.16
			0.00					1/2" Ice	20.89	12.21	0.29
			0.00					1" Ice	21.55	13.49	0.44
54.5" x10.3"x5.9" Panel	A	From Face	3.00			0.0000	105.00	No Ice	5.16	3.29	0.05
			2.00					1/2" Ice	5.51	3.64	0.08
			0.00					1" Ice	5.87	3.99	0.12
54.5" x10.3"x5.9" Panel	B	From Face	3.00			0.0000	105.00	No Ice	5.16	3.29	0.05

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			2.00			1/2" Ice	5.51	3.64	0.08
			0.00			1" Ice	5.87	3.99	0.12
54.5" x10.3"x5.9" Panel	C	From Face	3.00	0.0000	105.00	No Ice	5.16	3.29	0.05
			2.00			1/2" Ice	5.51	3.64	0.08
			0.00			1" Ice	5.87	3.99	0.12
54.5" x10.3"x5.9" Panel	C	From Face	3.00	0.0000	105.00	No Ice	5.16	3.29	0.05
			2.00			1/2" Ice	5.51	3.64	0.08
			0.00			1" Ice	5.87	3.99	0.12
5ft Panel w/ Mtg Pipe	A	From Face	3.00	0.0000	105.00	No Ice	7.70	6.15	0.07
			-2.00			1/2" Ice	8.19	7.04	0.14
			0.00			1" Ice	8.65	7.78	0.21
5ft Panel w/ Mtg Pipe	A	From Face	3.00	0.0000	105.00	No Ice	7.70	6.15	0.07
			-2.00			1/2" Ice	8.19	7.04	0.14
			0.00			1" Ice	8.65	7.78	0.21
5ft Panel w/ Mtg Pipe	B	From Face	3.00	0.0000	105.00	No Ice	7.70	6.15	0.07
			-2.00			1/2" Ice	8.19	7.04	0.14
			0.00			1" Ice	8.65	7.78	0.21
5ft Panel w/ Mtg Pipe	C	From Face	3.00	0.0000	105.00	No Ice	7.70	6.15	0.07
			-2.00			1/2" Ice	8.19	7.04	0.14
			0.00			1" Ice	8.65	7.78	0.21
RRU Unit	A	From Face	2.00	0.0000	105.00	No Ice	1.71	1.29	0.05
			0.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	B	From Face	2.00	0.0000	105.00	No Ice	1.71	1.29	0.05
			0.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	B	From Face	2.00	0.0000	105.00	No Ice	1.71	1.29	0.05
			0.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	C	From Face	2.00	0.0000	105.00	No Ice	1.71	1.29	0.05
			0.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	A	From Face	2.00	0.0000	105.00	No Ice	1.71	1.29	0.05
			1.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	A	From Face	2.00	0.0000	105.00	No Ice	1.71	1.29	0.05
			1.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	B	From Face	2.00	0.0000	105.00	No Ice	1.71	1.29	0.05
			1.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
RRU Unit	C	From Face	2.00	0.0000	105.00	No Ice	1.71	1.29	0.05
			1.00			1/2" Ice	1.87	1.43	0.07
			0.00			1" Ice	2.04	1.58	0.09
TMA	A	From Face	3.00	0.0000	105.00	No Ice	1.10	0.35	0.01
			0.00			1/2" Ice	1.24	0.44	0.02
			0.00			1" Ice	1.38	0.54	0.03
TMA	B	From Face	3.00	0.0000	105.00	No Ice	1.10	0.35	0.01
			0.00			1/2" Ice	1.24	0.44	0.02
			0.00			1" Ice	1.38	0.54	0.03
TMA	C	From Face	3.00	0.0000	105.00	No Ice	1.10	0.35	0.01
			0.00			1/2" Ice	1.24	0.44	0.02
			0.00			1" Ice	1.38	0.54	0.03
TMA	A	From Face	3.00	0.0000	105.00	No Ice	1.10	0.35	0.01
			0.00			1/2" Ice	1.24	0.44	0.02
			0.00			1" Ice	1.38	0.54	0.03
12ft Quad Platform w/	B	None		0.0000	105.00	No Ice	65.55	65.55	3.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft / Vert ft / ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
Handrail (LP 701-1+ NA 507-1) *****						1/2" Ice	80.05	80.05	3.82
						1" Ice	94.55	94.55	4.56
NA 509-3 (Kicker Kit)	B	None		0.0000	123.00	No Ice	11.84	11.84	0.28
						1/2" Ice	16.96	16.96	0.30
						1" Ice	22.08	22.08	0.32
NA 509-3 (Kicker Kit) (VZW)	C	None		0.0000	115.00	No Ice	11.84	11.84	0.28
						1/2" Ice	16.96	16.96	0.30
						1" Ice	22.08	22.08	0.32

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	$øP_{allow}$ K	% Capacity	Pass Fail
L1	125 - 85.5	Pole	TP29.725x21.037x0.1875	1	-13.90	1080.57	91.2	Pass
L2	85.5 - 39.42	Pole	TP39.6246x28.3602x0.2813	2	-22.71	2280.10	99.2	Pass
L3	39.42 - 21	Pole	TP42.9745x37.8193x0.3125	3	-29.15	2826.98	99.7	Pass
L4	21 - 0	Pole	TP47.5932x42.9745x0.3393	4	-34.64	3371.01	95.1	Pass
							Summary	
						Pole (L3)	99.7	Pass
						Base Plate	98.6	Pass
						RATING =	**99.7**	**Pass**

nexius

Appendix #3: Foundation Check

Foundation Properties

Pier Type,	Round
Height from ground to top of mat,	$H := 4.5\ ft$
Depth to water table,	$W := 4.5\ ft$
Projection of pier above mat,	$P := 5.0\ ft$
Thickness of mat,	$y := 3.5\ ft$
Width of mat,	$X := 20\ ft$
Diameter of pier, d	$d := 7\ ft$
Unit weight of concrete,	$W_c := 150\ pcf$
Submerged unit weight of concrete,	$W_{cs} := 87.6\ pcf$
Unit weight of soil,	$W_s := 100\ pcf$
Submerged unit weight of soil,	$W_{su} := 37.6\ pcf$

Water table is above top of mat

Component	Mass	Moment Arm	Resisting Moment
Pier,	$M_p := \left(\left(\pi \cdot \frac{d^2}{4}\right) \cdot (P)\right) \cdot (W_c) = 28.863\ kip$	$R := 10\ ft$	$R_{mp} := M_p \cdot R = 288.634\ ft \cdot kip$
Pad,	$M_{pd} := (X \cdot X \cdot y) \cdot (W_{cs}) = 122.64\ kip$	$R := 10\ ft$	$R_{pad} := M_{pd} \cdot R = (1.226 \cdot 10^3)\ ft \cdot kip$
Overburden,	$M_o := \left(\left(X \cdot X - \left(\pi \cdot \frac{d^2}{4}\right)\right) \cdot H\right) \cdot W_s = 162.682\ kip$		$R_o := M_o \cdot R = (1.627 \cdot 10^3)\ ft \cdot kip$

Total Resisting Moment, $M_{rt} := R_{mp} + R_{pad} + R_o = (3.142 \cdot 10^3)\ ft \cdot kip$

Overturning Moment, $M_{otm} := 3072\ ft \cdot kip$ (From TnxTower Output)

Factor of Safety, $F := \frac{M_{rt}}{M_{otm}} = 1.023$ Sufficient

nexius

Accelerating Network and Business Transformation

EQUIPMENT CONFIRMATION LETTER

May 17, 2021

VERIZON WIRELESS
20 Alexander Drive, 2nd Floor
Wallingford, CT 06492

Location Code:	468550
Site Name:	QUINEBAUG_CT
Site Address:	720 Quinebaug Road, Quinebaug, CT 06262
Structural Type:	125 ft Monopole

To Whom It May Concern:

Nexius has reviewed following engineering documents for the LS6 project for above mentioned cell site:

- *Structural Analysis Report, Site Name: Quinebaug_CT, Location Code: 468550, Prepared for Verizon Wireless, by Nexius Solutions, Inc., dated 05/14/2021 (Rev. 1).*
- *Construction Drawings, Site Name: Quinebaug_CT, Location Code: 468550, Prepared for Verizon Wireless, by Nexius Solutions, Inc., dated 05/14/2021 (Rev. 2).*

Upon review, we confirmed that the "VZS01 antenna w/ RRU" in the listed documents has dimensions and weight confirming to the values given in provided specifications for "C-band 64T64R MMU".

The review is solely based on the provided documents and information. Please do not hesitate to let us know if any questions or need any additional information.

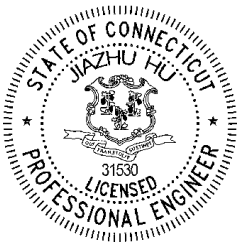
Sincerely Yours,

Prepared by:

Akshay Doddamani

Reviewed by:

Jiazhu Hu, P.E.
Engineering Manager
License #: 31530



C-band 64T64R MMU

SAMSUNG

* Preliminary Design

Specifications are subject to change.

Air Technology	NR
Frequency	3700 – 3980 MHz
IBW	280 MHz
OBW	200 MHz
Carrier Bandwidth	20/40/60/80/100 MHz
# of Carriers	2 carriers
Layer	DL : 16L, UL : 16RX (8L)
RF Chain	64T64R
Antenna Configuration	4V16H with 192 AE
EIRP	78.5 dBm (53 dBm + 25.5 dBi)
Conductive Power	200W
Spectrum Analyzer	TX/RX support
RX Sensitivity	Typical -97.8dBm @(1Rx, 18.36MHz with 30kHz,51RBs)
EIS Sensitivity	Typical -125.9dBm @(16Rx, BLER 5%, excluding polarization loss, 18.36MHz wit h 30kHz, 51RBs)
Modulation	DL 256QAM support, (DL 1024QAM with 1~2dB power back-off)
Function Split	DL/UL option 7-2x
Input Power	-48 VDC (-38 VDC to -57 VDC)
Power Consumption	1,395 W @ 100% RF load, room temperature 1,428 W @ 100% RF load, all temperature 1,003 W @ 40% RF load, room temperature
Size (WHD)	408 x 892 x 140 mm (16.06 x 35.12 x 5.51 inch)
Volume	50.95L
Weight	39.5kg (87.1 lb)
Operating Temperature	-40°C - 55°C (w/o solar load)
Cooling	Natural convection
Unwanted Emission	3GPP 38.104 FCC 47 CFR 27.53 : < -13dBm/MHz < -40 dBm/MHz @ above 4 GHz
Optic Interface	15km, 4 ports (25Gbps x 4), SFP28, single mode, Bi-di (Option: Duplex)
Mounting Options	Pole, wall
NB-IoT	Not support
External Alarm	4RX
Fronthaul Interface	eCPRI

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10061125
Maser Consulting Connecticut Project #: 21777031A

April 27, 2021

Site Information	*Site ID:*	*468550-VZW / Quinebaug CT*
	Site Name:	*Quinebaug CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*720 Quinebaug Road* *Quinebaug, Connecticut 06262* *Windham County*
	Latitude:	*42.022750°*
	Longitude:	*-71.949300°*
Structure Information	*Tower Type:*	*125-Ft Monopole*
	Mount Type:	*12.67-Ft Platform*

FUZE ID # 16272073

Analysis Results

Platform: **56.7% Pass**

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

Report Prepared By: Selene Chen

STATE OF CONNECTICUT
JUSTIN PETER LINETTE
No. 31965
LICENSED
PROFESSIONAL ENGINEER

Digitally signed by Justin Linette
Date: 2021.04.28 15:05:52-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 675025, dated March 1, 2021*
Mount Mapping Report	*Hudson Design Group LLC, Site ID: 468550, dated February 12, 2021*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777031A, dated March 30, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777031A, dated April 27, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	119 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.50 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.987
Seismic Parameters:	S_S:	0.183
	S_1:	0.056
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
112.50	115.00	3	Samsung	MT6407-77A	Added
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		6	Commscope	JAHH-65B-R3B	Retained
		6	Antel	LPA-80080/6CF	
		2	Raycap	RRFDC-3315-PF-48	

Standard Conditions:

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

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

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

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

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

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

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

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

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - 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 Maser Consulting Connecticut.

Analysis Results:

Component	Utilization %	Pass/Fail
Mount Pipe	56.7%	Pass
Standoff Horizontal	14.1%	Pass
Crossmember	13.8%	Pass
Grating Support	18.7%	Pass
Corner Plate	21.8%	Pass
Support Rail	18.7%	Pass
Support Rail Corner	31.6%	Pass
Face Horizontal	16.1%	Pass
Connection Check	16.9%	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**56.7%**

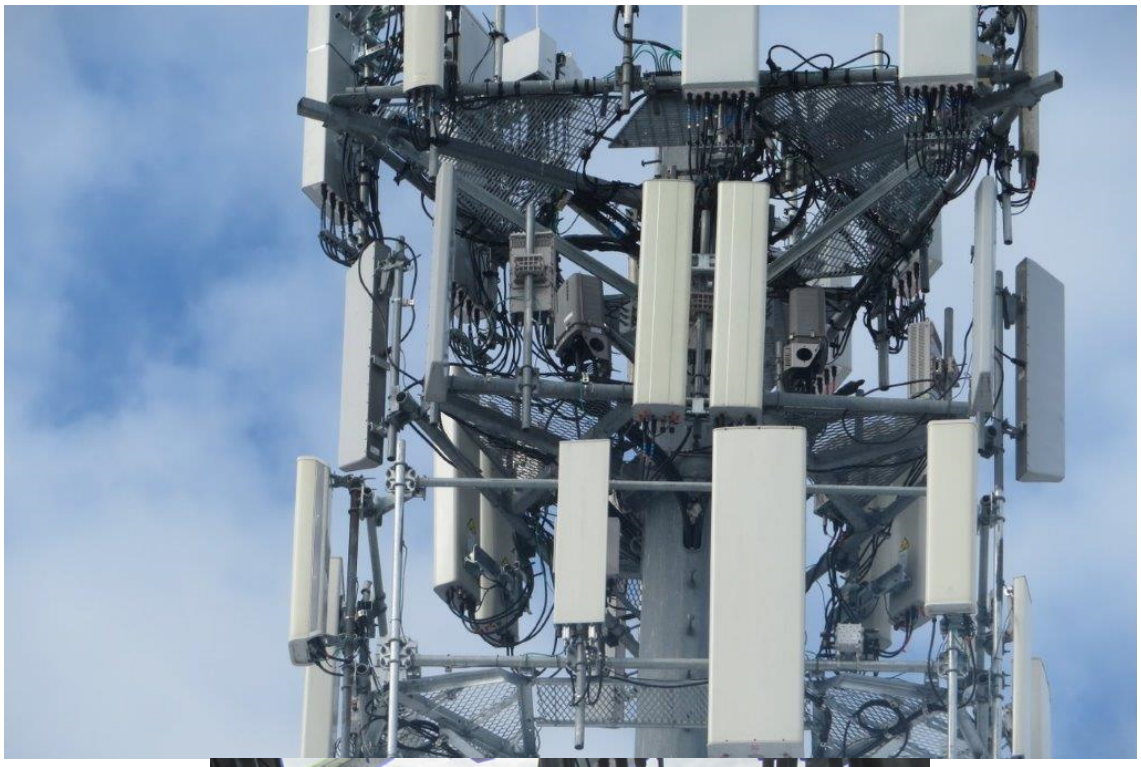
Recommendation:

The existing mount will be **SUFFICIENT** for the final loading after the proposed modifications are successfully completed.

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

Attachments:

1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

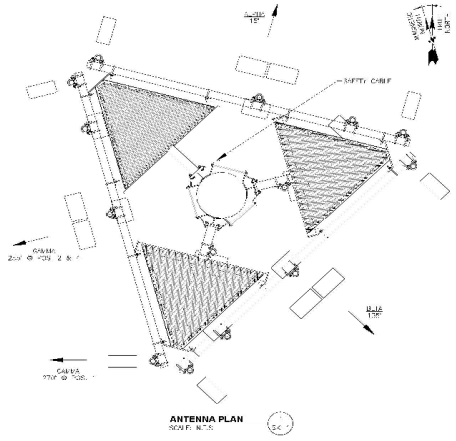


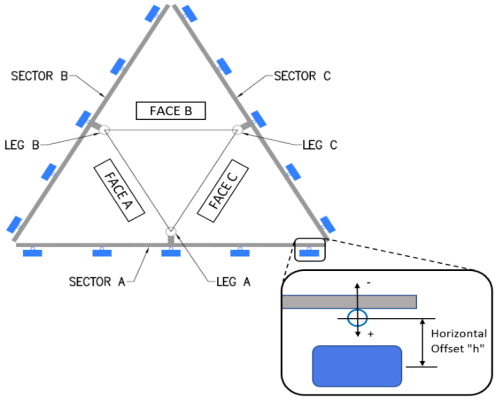
V3.0 Updated on 8-31-2020

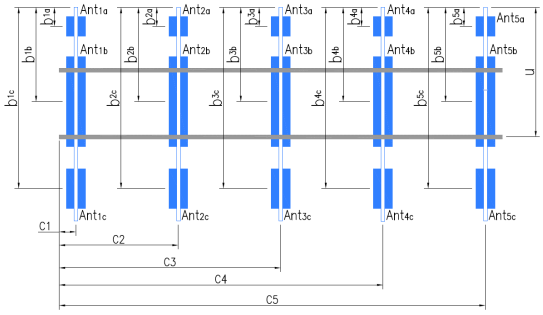
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Quinebaug Valley Emer Comm	**Mapping Date:**	02.12.21
Site Name:	QUINEBAUG CT	**Tower Type:**	Monopole
Site Number or ID:	468550	**Tower Height (Ft.):**	125
Mapping Contractor:	HUDSUN DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	115.5







Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

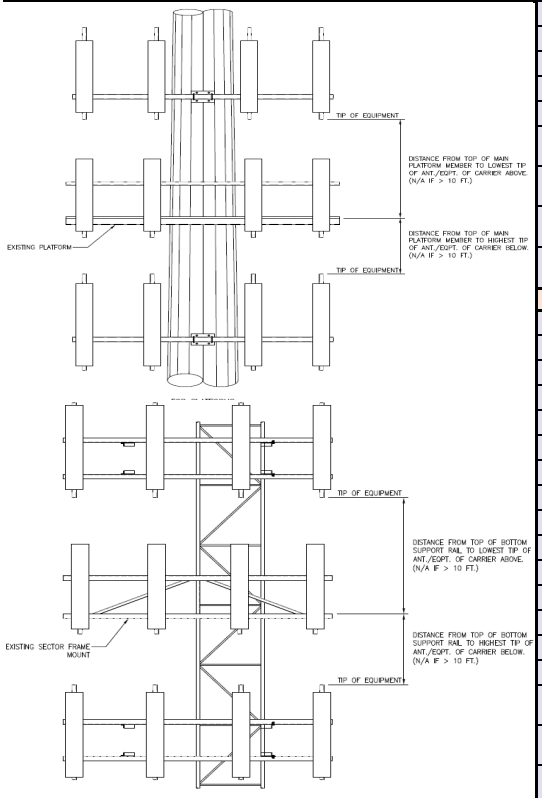
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	PIPE 2"Ø x .125 x 72" LONG	57.00	4.00	C1	PIPE 2"Ø x .125 x 72" LONG	57.00	4.00
A2	PIPE 2"Ø x .125 x 72" LONG	57.00	80.00	C2	PIPE 2"Ø x .125 x 72" LONG	49.00	80.00
A3	PIPE 2"Ø x .125 x 72" LONG	57.00	124.00	C3	PIPE 2"Ø x .125 x 72" LONG	57.00	124.00
A4	PIPE 2"Ø x .125 x 72" LONG	57.00	148.00	C4	PIPE 2"Ø x .125 x 72" LONG	57.00	148.00
A5				C5			
A6				C6			
B1	PIPE 2"Ø x .125 x 72" LONG	57.00	4.00	D1			
B2	PIPE 2"Ø x .125 x 72" LONG	57.00	80.00	D2			
B3	PIPE 2"Ø x .125 x 72" LONG	57.00	124.00	D3			
B4	PIPE 2"Ø x .125 x 72" LONG	57.00	148.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	6
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	
Tower Face Width at Mount Elev. (ft.):	
Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	23

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA-80080-6CF	6.00	13.00	71.00		117.75	30.00	14.00	15.00	10
Ant_{1c}										
Ant_{2a}	B13 RRH	12.00	7.50	20.50		117.5	33.00	-6.00		11
Ant_{2b}	(2) JAHH-65B-R3B	13.50	8.50	72.00		117	39.00	14.00	15.00	11
Ant_{2c}										
Ant_{3a}	B66a RRH	12.00	7.00	25.50		118.583	20.00	-6.00		12
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-6CF	6.00	13.00	71.00		117.75	30.00	14.00	15.00	12
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.00	10.00	28.00			54.00			16
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	15.00	Deg	Leg A:		Deg
Sector B:	135.00	Deg	Leg B:		Deg
Sector C:	255.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	355.00 Deg	
Climbing Facility	Corrosion Type:	Good condition.
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80080-6CF	6.00	13.00	71.00		117.75	30.00	14.00	135.00	14
Ant_{1c}										
Ant_{2a}	B13 RRH	12.00	7.50	20.50		117.5	33.00	-6.00		15
Ant_{2b}	(2) JAHH-65B-R3B	13.50	8.50	72.00		117	39.00	14.00	135.00	15
Ant_{2c}										
Ant_{3a}	B66a RRH	12.00	7.00	25.50		118.583	20.00	-6.00		16
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-6CF	6.00	13.00	71.00		117.75	30.00	14.00	135.00	16
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff	RRFDC-3315-PF-48	15.00	10.00	28.00			54.00			38
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80080-6CF	6.00	13.00	71.00		117.75	30.00	14.00	270.00	17
Ant_{1c}										
Ant_{2a}	B13 RRH	12.00	7.50	20.50		116.833	33.00	-6.00		18
Ant_{2b}	(2) JAHH-65B-R3B	13.50	8.50	72.00		116.333	39.00	14.00	255.00	18
Ant_{2c}										
Ant_{3a}	B66a RRH	12.00	7.00	25.50		118.583	20.00	-6.00		19
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80080-6CF	6.00	13.00	71.00		117.333	35.00	14.00	255.00	20
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

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

1		
2	(12) 1-5/8" COAX CABLES & (2) 1-1/4" HYBRID CABLES.	28 (GRD)
3		
4		
5		
6		
7		
8		

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

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

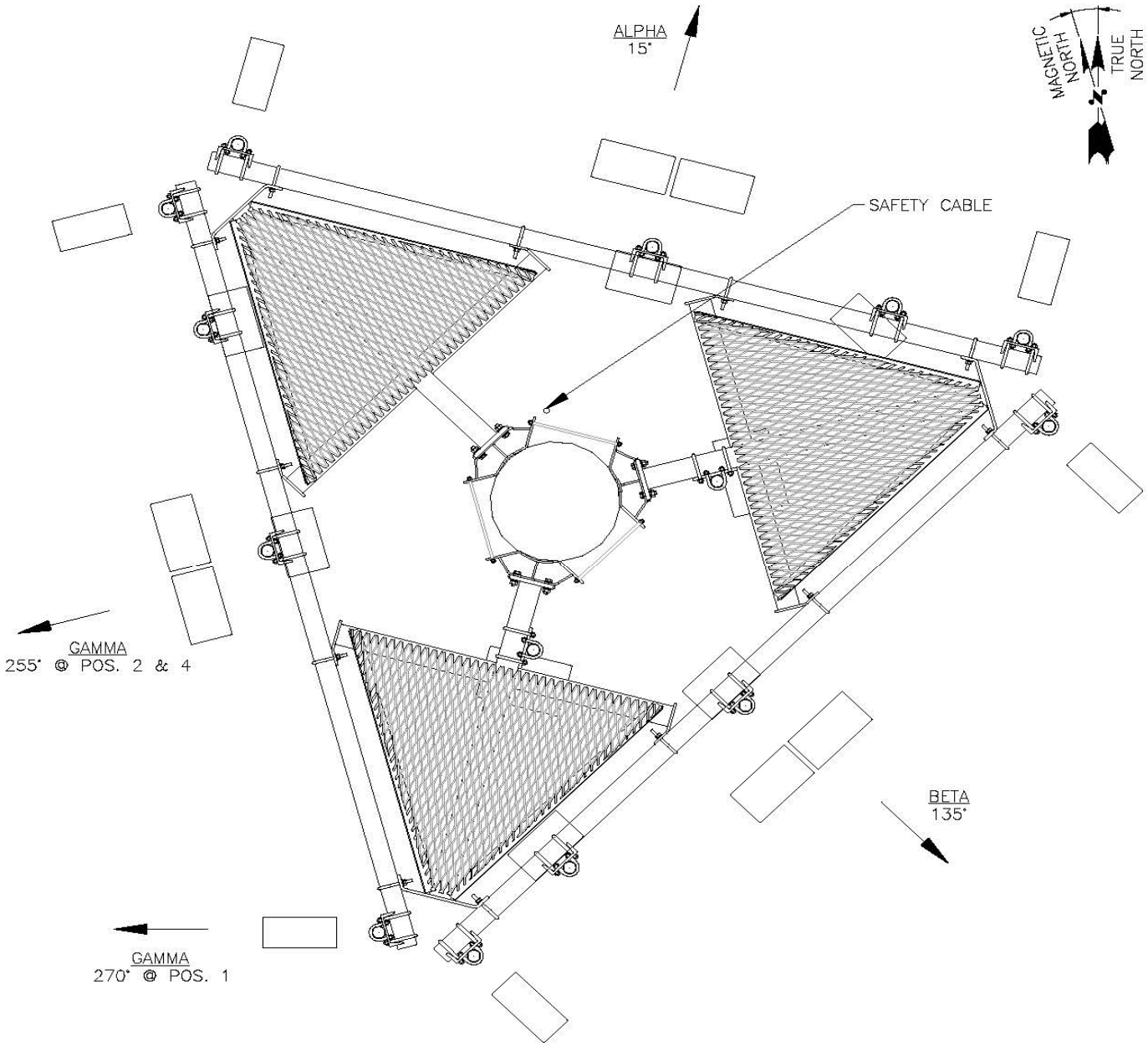
V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	Quinebaug Valley Emer Comm	**Mapping Date:**	02.12.21
Site Name:	QUINEBAUG CT	**Tower Type:**	Monopole
Site Number or ID:	468550	**Tower Height (Ft.):**	125
Mapping Contractor:	HUDSUN DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	115.5

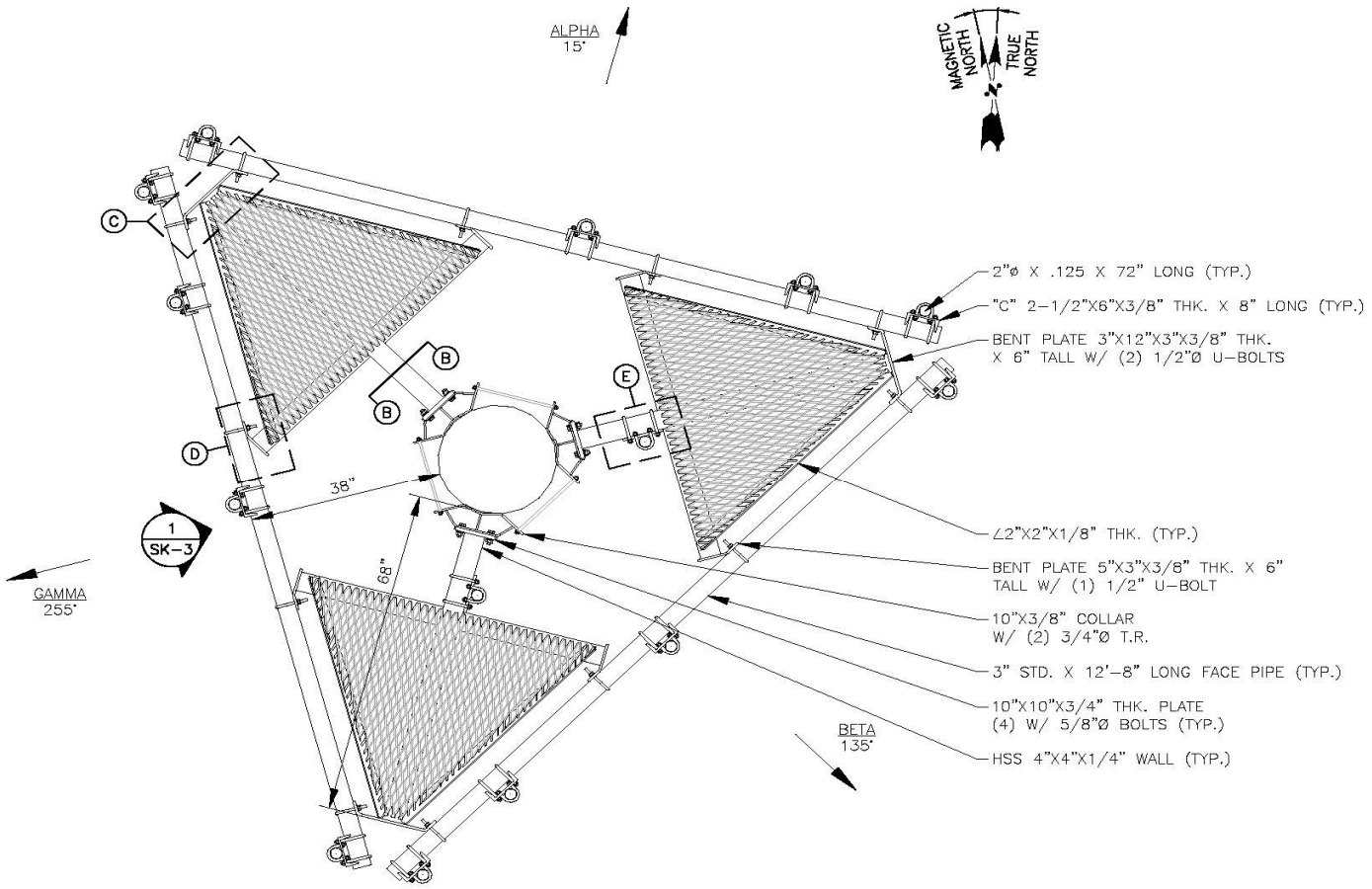
Please Insert Sketches of the Antenna Mount



ANTENNA PLAN (1 / SK–1)

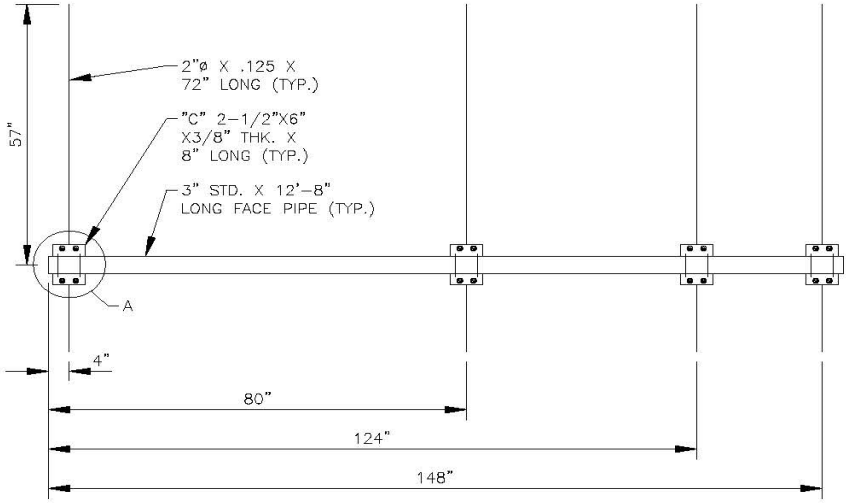
SCALE: N.T.S

Please Insert Sketches of the Antenna Mount, cont'd

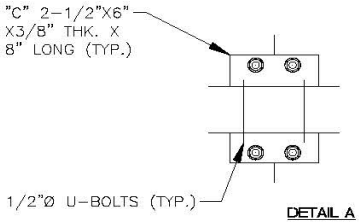


MOUNT PLAN 1/SK-2
SCALE: N.T.S

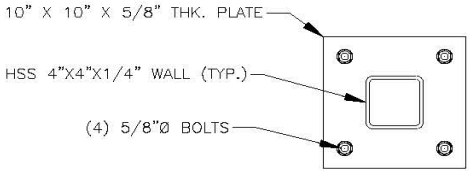
Please Insert Sketches of the Antenna Mount, cont'd



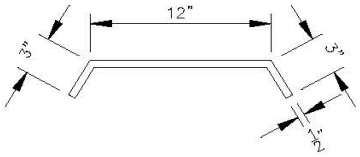
FACE ELEVATION (1 / SK-3)
SCALE: N.T.S



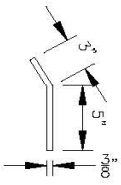
DETAIL A



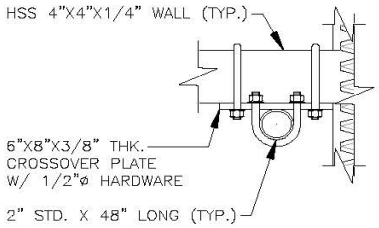
DETAIL B-B



DETAIL C

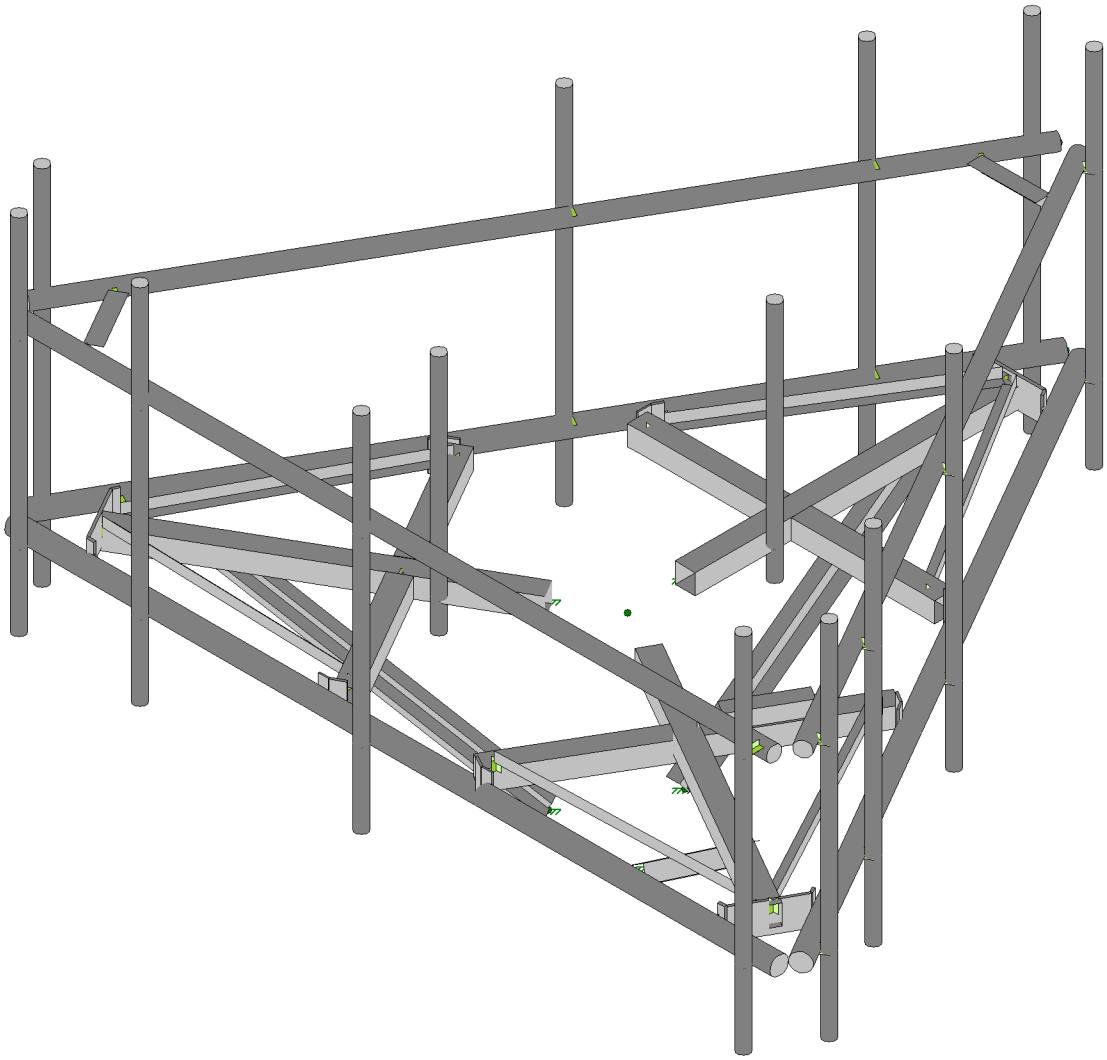


DETAIL D

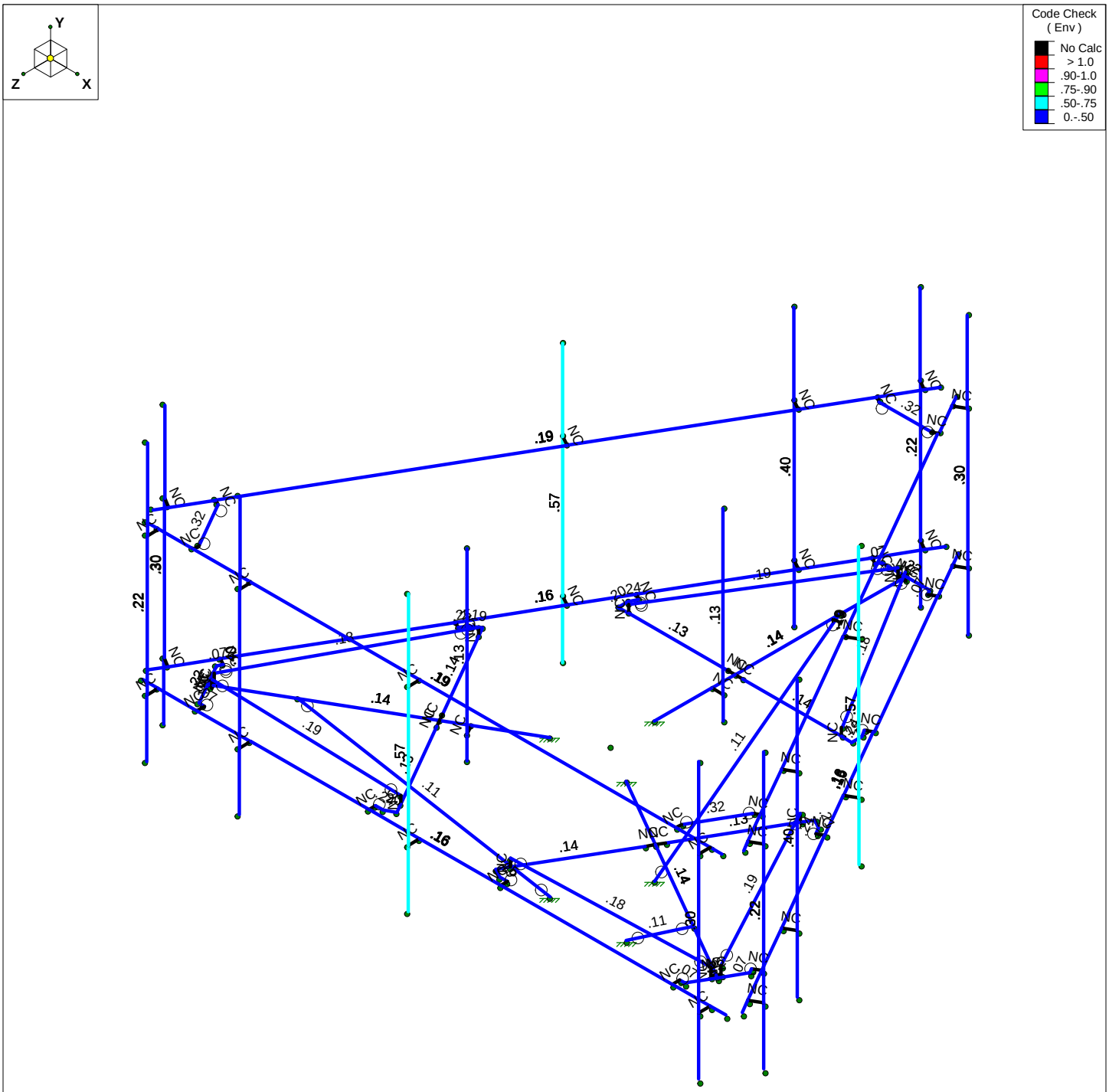


DETAIL E

DETAILS (2 / SK-3)
SCALE: N.T.S

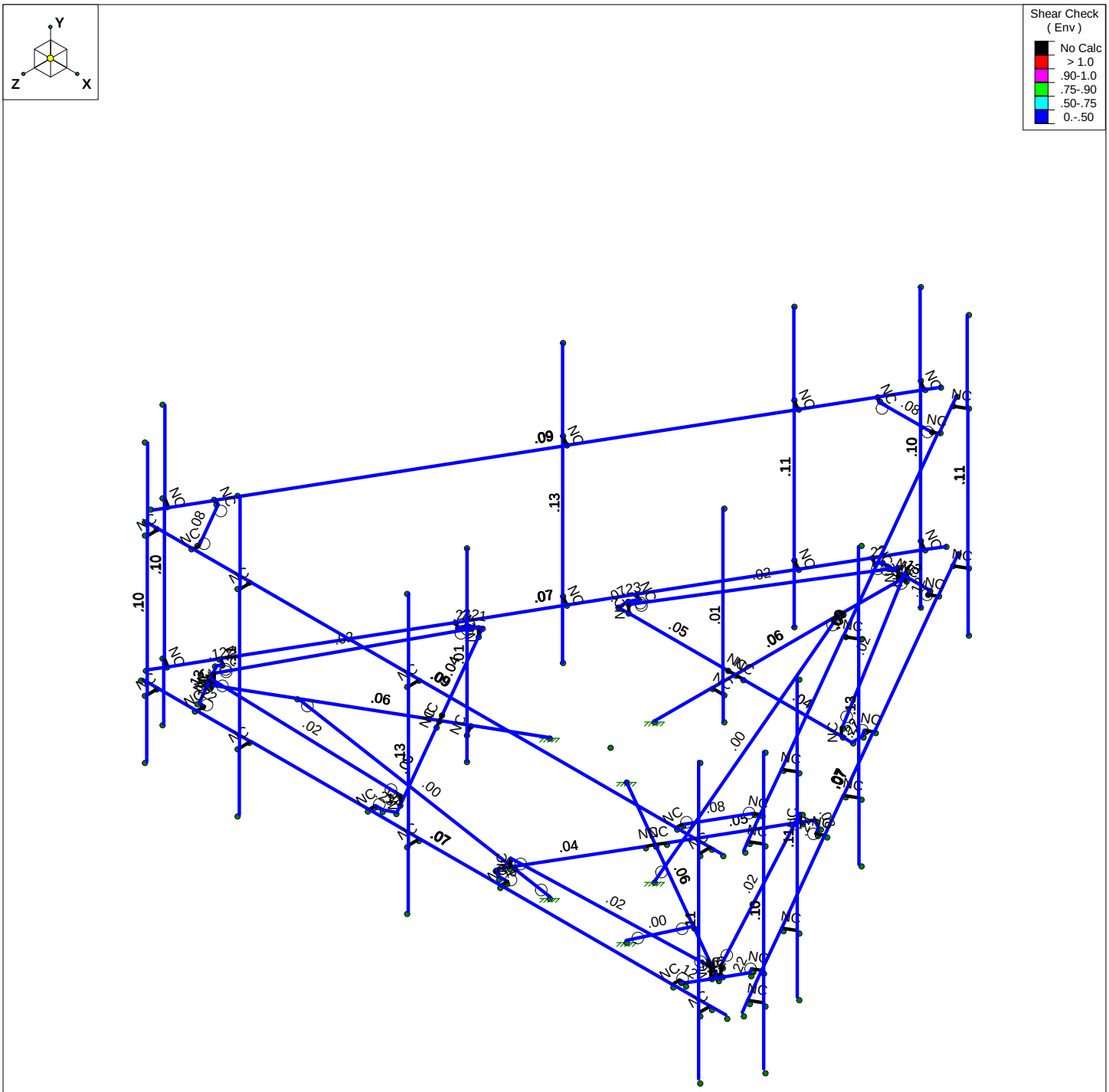


		SK - 1
		Apr 23, 2021 at 1:57 PM
		468550-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		Apr 23, 2021 at 1:58 PM
		468550-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		Apr 23, 2021 at 1:59 PM
		468550-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					123			
2	Antenna Di	None					123			
3	Antenna Wo (0 Deg)	None					123			
4	Antenna Wo (30 Deg)	None					123			
5	Antenna Wo (60 Deg)	None					123			
6	Antenna Wo (90 Deg)	None					123			
7	Antenna Wo (120 Deg)	None					123			
8	Antenna Wo (150 Deg)	None					123			
9	Antenna Wo (180 Deg)	None					123			
10	Antenna Wo (210 Deg)	None					123			
11	Antenna Wo (240 Deg)	None					123			
12	Antenna Wo (270 Deg)	None					123			
13	Antenna Wo (300 Deg)	None					123			
14	Antenna Wo (330 Deg)	None					123			
15	Antenna Wi (0 Deg)	None					123			
16	Antenna Wi (30 Deg)	None					123			
17	Antenna Wi (60 Deg)	None					123			
18	Antenna Wi (90 Deg)	None					123			
19	Antenna Wi (120 Deg)	None					123			
20	Antenna Wi (150 Deg)	None					123			
21	Antenna Wi (180 Deg)	None					123			
22	Antenna Wi (210 Deg)	None					123			
23	Antenna Wi (240 Deg)	None					123			
24	Antenna Wi (270 Deg)	None					123			
25	Antenna Wi (300 Deg)	None					123			
26	Antenna Wi (330 Deg)	None					123			
27	Antenna Wm (0 Deg)	None					123			
28	Antenna Wm (30 Deg)	None					123			
29	Antenna Wm (60 Deg)	None					123			
30	Antenna Wm (90 Deg)	None					123			
31	Antenna Wm (120 De...	None					123			
32	Antenna Wm (150 De...	None					123			
33	Antenna Wm (180 De...	None					123			
34	Antenna Wm (210 De...	None					123			
35	Antenna Wm (240 De...	None					123			
36	Antenna Wm (270 De...	None					123			
37	Antenna Wm (300 De...	None					123			
38	Antenna Wm (330 De...	None					123			
39	Structure D	None		-1					3	
40	Structure Di	None						62	3	
41	Structure Wo (0 Deg)	None						124		
42	Structure Wo (30 Deg)	None						124		
43	Structure Wo (60 Deg)	None						124		
44	Structure Wo (90 Deg)	None						124		
45	Structure Wo (120 D...	None						124		
46	Structure Wo (150 D...	None						124		
47	Structure Wo (180 D...	None						124		
48	Structure Wo (210 D...	None						124		
49	Structure Wo (240 D...	None						124		
50	Structure Wo (270 D...	None						124		
51	Structure Wo (300 D...	None						124		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						124		
53	Structure Wi (0 Deg)	None						124		
54	Structure Wi (30 Deg)	None						124		
55	Structure Wi (60 Deg)	None						124		
56	Structure Wi (90 Deg)	None						124		
57	Structure Wi (120 De...	None						124		
58	Structure Wi (150 De...	None						124		
59	Structure Wi (180 De...	None						124		
60	Structure Wi (210 De...	None						124		
61	Structure Wi (240 De...	None						124		
62	Structure Wi (270 De...	None						124		
63	Structure Wi (300 De...	None						124		
64	Structure Wi (330 De...	None						124		
65	Structure Wm (0 Deg)	None						124		
66	Structure Wm (30 D...	None						124		
67	Structure Wm (60 D...	None						124		
68	Structure Wm (90 D...	None						124		
69	Structure Wm (120 ...	None						124		
70	Structure Wm (150 ...	None						124		
71	Structure Wm (180 ...	None						124		
72	Structure Wm (210 ...	None						124		
73	Structure Wm (240 ...	None						124		
74	Structure Wm (270 ...	None						124		
75	Structure Wm (300 ...	None						124		
76	Structure Wm (330 ...	None						124		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						30		
82	BLC 40 Transient Are...	None						30		

Load Combinations

	Description	Solve	PDelta	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0Wo (6...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0Wo (9...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0Wo (1...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0Wo (2...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0Wo (3...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.333333	0	3.810523	0	
2	N2	-6.333333	0	3.810523	0	
3	N3	-0.	0	-0.958333	0	
4	N5	-2.541667	0	-2.708333	0	
5	N6	2.315104	0.166667	-2.708333	0	
6	N7	-2.315104	0.166667	-2.708333	0	
7	N8	6	0	3.810523	0	
8	N9	6	0	4.060523	0	
9	N10	-6	0	3.810523	0	
10	N11	-6	0	4.060523	0	
11	N12	-0.333333	0	3.810523	0	
12	N13	-0.333333	0	4.060523	0	
13	N14	-4	0	3.810523	0	
14	N15	-4	0	4.060523	0	
15	N16	-4	-1.25	4.060523	0	
16	N17	-4	4.75	4.060523	0	
17	N18	-6	-1.25	4.060523	0	
18	N19	-6	4.75	4.060523	0	
19	N20	-0.333333	-1.25	4.060523	0	
20	N21	-0.333333	4.75	4.060523	0	
21	N22	6	-1.25	4.060523	0	
22	N23	6	4.75	4.060523	0	
23	N24	-0.	0	-2.708333	0	
24	N27	-0.	0	-6.395833	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.708333	0	
27	N30	-2.315104	0	-2.708333	0	
28	N101	2.541667	0	-2.708333	0	
29	N102	-0.166667	0	-2.708333	0	
30	N103A	0.166667	0	-2.708333	0	
31	N104A	-2.541667	0	-2.927083	0	
32	N105	2.541667	0	-2.927083	0	
33	N131	2.458333	0	-3.071421	0	
34	N135	0.571615	0	-6.298857	0	
35	N144	-2.458333	0	-3.071421	0	
36	N148	-0.571615	0	-6.298857	0	
37	N86A	2.584629	0	-3.144338	0	
38	N86B	-2.584629	0	-3.144338	0	
39	N86C	-0.515625	0	-6.395833	0	
40	N87A	0.515625	0	-6.395833	0	
41	N86D	0.715429	0	-6.381888	0	
42	N86E	-0.715429	0	-6.381888	0	
43	N88A	-0.	0	-6.3125	0	
44	N87C	0.083321	0.166667	-6.3125	0	
45	N86G	0.083321	0	-6.3125	0	
46	N87B	-0.083321	0.166667	-6.3125	0	
47	N88C	-0.083321	0	-6.3125	0	
48	N87D	-0.829941	0	0.479167	0	
49	N88B	-1.074652	0	3.555315	0	
50	N89	-3.503038	0.166667	-0.650772	0	
51	N90	-1.187933	0.166667	3.359106	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N91	-2.345485	0	1.354167	0	
53	N92	-5.538954	0	3.197917	0	
54	N93	-3.503038	0	-0.650772	0	
55	N94	-1.187933	0	3.359106	0	
56	N95	-3.616319	0	-0.846981	0	
57	N96	-2.262152	0	1.498504	0	
58	N97	-2.428819	0	1.209829	0	
59	N98	-1.264095	0	3.66469	0	
60	N99	-3.805762	0	-0.737606	0	
61	N100	-3.889095	0	-0.593269	0	
62	N101A	-5.740777	0	2.654396	0	
63	N102A	-1.430762	0	3.66469	0	
64	N103	-5.169162	0	3.644461	0	
65	N104	-4.015391	0	-0.666185	0	
66	N105A	-1.430762	0	3.810523	0	
67	N106	-5.281142	0	3.644461	0	
68	N107	-5.796767	0	2.751372	0	
69	N108	-5.884591	0	2.571364	0	
70	N109	-5.169162	0	3.810523	0	
71	N110	-5.466785	0	3.15625	0	
72	N111	-5.508446	0.166667	3.084092	0	
73	N112	-5.508446	0	3.084092	0	
74	N113	-5.425125	0.166667	3.228408	0	
75	N114	-5.425125	0	3.228408	0	
76	N115	0.829941	0	0.479167	0	
77	N116	3.616319	0	-0.846981	0	
78	N117	1.187933	0.166667	3.359106	0	
79	N118	3.503038	0.166667	-0.650772	0	
80	N119	2.345485	0	1.354167	0	
81	N120	5.538954	0	3.197917	0	
82	N121	1.187933	0	3.359106	0	
83	N122	3.503038	0	-0.650772	0	
84	N123	1.074652	0	3.555315	0	
85	N124	2.428819	0	1.209829	0	
86	N125	2.262152	0	1.498504	0	
87	N126	3.805762	0	-0.737606	0	
88	N127	1.264095	0	3.66469	0	
89	N128	1.430762	0	3.66469	0	
90	N129	5.169162	0	3.644461	0	
91	N130	3.889095	0	-0.593269	0	
92	N131A	5.740777	0	2.654396	0	
93	N132	1.430762	0	3.810523	0	
94	N133	4.015391	0	-0.666186	0	
95	N134	5.796767	0	2.751372	0	
96	N135A	5.281142	0	3.644461	0	
97	N136	5.169162	0	3.810523	0	
98	N137	5.884591	0	2.571364	0	
99	N138	5.466785	0	3.15625	0	
100	N139	5.425125	0.166667	3.228408	0	
101	N140	5.425125	0	3.228408	0	
102	N141	5.508446	0.166667	3.084092	0	
103	N142	5.508446	0	3.084092	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N108A	0.133343	0	-7.390089	0	
105	N109A	6.466677	0	3.579566	0	
106	N110A	0.30001	0	-7.101414	0	
107	N111A	0.516516	0	-7.226414	0	
108	N112A	6.30001	0	3.290891	0	
109	N113A	6.516516	0	3.165891	0	
110	N114A	3.466677	0	-1.616586	0	
111	N115A	3.683183	0	-1.741587	0	
112	N116A	5.30001	0	1.55884	0	
113	N117A	5.516516	0	1.43384	0	
114	N131B	-6.466677	0	3.579566	0	
115	N132A	-0.133343	0	-7.390089	0	
116	N133A	-6.30001	0	3.290891	0	
117	N134A	-6.516516	0	3.165891	0	
118	N135B	-0.30001	0	-7.101414	0	
119	N136A	-0.516516	0	-7.226414	0	
120	N137A	-3.133343	0	-2.193937	0	
121	N138A	-3.34985	0	-2.318937	0	
122	N139A	-1.30001	0	-5.369363	0	
123	N140A	-1.516516	0	-5.494363	0	
124	N149	-1.912473	0	1.104167	0	
125	N150A	-1.787473	0	1.320673	0	
126	N151A	-1.787473	3.5	1.320673	0	
127	N152A	-1.787473	-.5	1.320673	0	
128	N130A	5.516516	-1.25	1.43384	0	
129	N131C	5.516516	4.75	1.43384	0	
130	N132B	6.516516	-1.25	3.165891	0	
131	N133B	6.516516	4.75	3.165891	0	
132	N134B	3.683183	-1.25	-1.741587	0	
133	N135C	3.683183	4.75	-1.741587	0	
134	N136B	0.516516	-1.25	-7.226414	0	
135	N137B	0.516516	4.75	-7.226414	0	
136	N139B	-1.516516	-1.25	-5.494363	0	
137	N140C	-1.516516	4.75	-5.494363	0	
138	N141B	-0.516516	-1.25	-7.226414	0	
139	N142A	-0.516516	4.75	-7.226414	0	
140	N143	-3.34985	-1.25	-2.318937	0	
141	N144A	-3.34985	4.75	-2.318937	0	
142	N145	-6.516516	-1.25	3.165891	0	
143	N146	-6.516516	4.75	3.165891	0	
144	N147	-0.	0	-2.208333	0	
145	N151	0.25	0	-2.208333	0	
146	N152	0.25	3.5	-2.208333	0	
147	N153	0.25	-.5	-2.208333	0	
148	N150	-6.30001	3	3.290891	0	
149	N151B	-6.516516	3	3.165891	0	
150	N152B	-0.30001	3	-7.101414	0	
151	N153A	-0.516516	3	-7.226414	0	
152	N154	-3.133343	3	-2.193937	0	
153	N155	-3.34985	3	-2.318937	0	
154	N156	-1.30001	3	-5.369363	0	
155	N157	-1.516516	3	-5.494363	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N159	6.25	3	3.810523	0	
157	N160	-6.25	3	3.810523	0	
158	N161	6	3	3.810523	0	
159	N162	6	3	4.060523	0	
160	N163	-6	3	3.810523	0	
161	N164	-6	3	4.060523	0	
162	N165	-0.333333	3	3.810523	0	
163	N166	-0.333333	3	4.060523	0	
164	N167	-4	3	3.810523	0	
165	N168	-4	3	4.060523	0	
166	N172	0.30001	3	-7.101414	0	
167	N173	0.516516	3	-7.226414	0	
168	N174	6.30001	3	3.290891	0	
169	N175	6.516516	3	3.165891	0	
170	N176	3.466677	3	-1.616586	0	
171	N177	3.683183	3	-1.741587	0	
172	N178	5.30001	3	1.55884	0	
173	N179	5.516516	3	1.43384	0	
174	N174A	0.17501	3	-7.31792	0	
175	N175A	6.42501	3	3.507397	0	
176	N176A	-6.42501	3	3.507397	0	
177	N177A	-0.17501	3	-7.31792	0	
178	N178A	5.25	3	3.810523	0	
179	N179A	5.25	3	3.685523	0	
180	N180	-5.25	3	3.810523	0	
181	N181	-5.25	3	3.685523	0	
182	N182	0.67501	3	-6.451895	0	
183	N183	0.566757	3	-6.389395	0	
184	N184	5.92501	3	2.641372	0	
185	N185	5.816757	3	2.703872	0	
186	N186	-5.92501	3	2.641372	0	
187	N187	-5.816757	3	2.703872	0	
188	N188	-0.67501	3	-6.451895	0	
189	N189	-0.566757	3	-6.389395	0	
190	N190	-0.	-3	-0.958333	0	
191	N191	-0.	0	-4.958333	0	
192	N192	-0.829941	-3	0.479167	0	
193	N193	-4.294043	0	2.479167	0	
194	N194	0.829941	-3	0.479167	0	
195	N195	4.294043	0	2.479167	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2X6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossmem...	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x2	Beam	Single Angle	A36 Gr.36	Typical	.491	.189	.189	.003
6	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
8	MOD Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	MOD Support Rail C...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	MOD Kicker	LL3x3x3x6	Column	Double Angle (3...	A36 Gr.36	Typical	2.18	4.97	1.9	.027

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M21	N12	N13			RIGID	None	None	RIGID	Typical
7	M22	N14	N15			RIGID	None	None	RIGID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIGID	None	None	RIGID	Typical
15	M36A	N6	N29			RIGID	None	None	RIGID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
19	M58	N102	N24			RIGID	None	None	RIGID	Typical
20	M59	N24	N103A			RIGID	None	None	RIGID	Typical
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIGID	None	None	RIGID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D			RIGID	None	None	RIGID	Typical
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIGID	None	None	RIGID	Typical
29	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E			RIGID	None	None	RIGID	Typical
31	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
32	M51	N88A	N86G			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
33	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
34	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
35	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
36	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
37	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
38	M56	N90	N94			RIGID	None	None	RIGID	Typical
39	M57	N89	N93			RIGID	None	None	RIGID	Typical
40	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
41	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
42	M60	N113	N114			RIGID	None	None	RIGID	Typical
43	M61	N96	N91			RIGID	None	None	RIGID	Typical
44	M62	N91	N97			RIGID	None	None	RIGID	Typical
45	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
47	M65	N100	N104			RIGID	None	None	RIGID	Typical
48	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
49	M67	N101A	N108			RIGID	None	None	RIGID	Typical
50	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
52	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
53	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
54	M72	N103	N109			RIGID	None	None	RIGID	Typical
55	M73	N114	N110			RIGID	None	None	RIGID	Typical
56	M74	N110	N112			RIGID	None	None	RIGID	Typical
57	M75	N111	N112			RIGID	None	None	RIGID	Typical
58	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
59	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
60	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
61	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
62	M80A	N118	N122			RIGID	None	None	RIGID	Typical
63	M81	N117	N121			RIGID	None	None	RIGID	Typical
64	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
65	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
66	M84A	N141	N142			RIGID	None	None	RIGID	Typical
67	M85A	N124	N119			RIGID	None	None	RIGID	Typical
68	M86	N119	N125			RIGID	None	None	RIGID	Typical
69	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
70	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
71	M89	N128	N132			RIGID	None	None	RIGID	Typical
72	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
73	M91A	N129	N136			RIGID	None	None	RIGID	Typical
74	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
75	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
76	M94	N130	N133			RIGID	None	None	RIGID	Typical
77	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
78	M96	N131A	N137			RIGID	None	None	RIGID	Typical
79	M97	N142	N138			RIGID	None	None	RIGID	Typical
80	M98	N138	N140			RIGID	None	None	RIGID	Typical
81	M99	N139	N140			RIGID	None	None	RIGID	Typical
82	M82A	N108A	N109A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
83	M83B	N110A	N111A			RIGID	None	None	RIGID	Typical
84	M84B	N112A	N113A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
85	M85B	N114A	N115A			RIGID	None	None	RIGID	Typical
86	M86A	N116A	N117A			RIGID	None	None	RIGID	Typical
87	M91B	N131B	N132A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
88	M92B	N133A	N134A			RIGID	None	None	RIGID	Typical
89	M93A	N135B	N136A			RIGID	None	None	RIGID	Typical
90	M94A	N137A	N138A			RIGID	None	None	RIGID	Typical
91	M95A	N139A	N140A			RIGID	None	None	RIGID	Typical
92	M100	N149	N150A			RIGID	None	None	RIGID	Typical
93	M101	N151A	N152A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	MP3C	N131C	N130A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	MP4C	N133B	N132B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	MP2C	N135C	N134B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP1C	N137B	N136B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP3B	N140C	N139B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP4B	N142A	N141B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	MP2B	N144A	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	MP1B	N146	N145			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M104	N147	N151			RIGID	None	None	RIGID	Typical
103	M105	N152	N153			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	M105A	N150	N151B			RIGID	None	None	RIGID	Typical
105	M106	N152B	N153A			RIGID	None	None	RIGID	Typical
106	M107	N154	N155			RIGID	None	None	RIGID	Typical
107	M108	N156	N157			RIGID	None	None	RIGID	Typical
108	M109	N159	N160			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
109	M110	N161	N162			RIGID	None	None	RIGID	Typical
110	M111	N163	N164			RIGID	None	None	RIGID	Typical
111	M112	N165	N166			RIGID	None	None	RIGID	Typical
112	M113	N167	N168			RIGID	None	None	RIGID	Typical
113	M115	N172	N173			RIGID	None	None	RIGID	Typical
114	M116	N174	N175			RIGID	None	None	RIGID	Typical
115	M117	N176	N177			RIGID	None	None	RIGID	Typical
116	M118	N178	N179			RIGID	None	None	RIGID	Typical
117	M117A	N174A	N175A			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
118	M118A	N176A	N177A			MOD Support ...	Beam	Pipe	A53 Gr.B	Typical
119	M119	N178A	N179A			RIGID	None	None	RIGID	Typical
120	M120	N180	N181			RIGID	None	None	RIGID	Typical
121	M121	N182	N183			RIGID	None	None	RIGID	Typical
122	M122	N184	N185			RIGID	None	None	RIGID	Typical
123	M123	N186	N187			RIGID	None	None	RIGID	Typical
124	M124	N188	N189			RIGID	None	None	RIGID	Typical
125	M125	N179A	N185		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
126	M126	N183	N189		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
127	M127	N187	N181		180	MOD Support ...	Beam	Single Angle	A36 Gr.36	Typical
128	M128	N190	N191			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
129	M129	N192	N193			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical
130	M130	N194	N195			MOD Kicker	Column	Double Angle (...	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						Yes	** NA **			None
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M52A						Yes	Default			None
35	M53						Yes	Default			None
36	M54						Yes	Default			None
37	M55						Yes	Default			None
38	M56						Yes	** NA **			None
39	M57						Yes	** NA **			None
40	M58A	OOOOOX	OOOOOX				Yes	Default			None
41	M59A	OOOOOX	OOOOOX				Yes	Default			None
42	M60						Yes	** NA **			None
43	M61						Yes	** NA **			None
44	M62						Yes	** NA **			None
45	M63						Yes	** NA **			None
46	M64						Yes	** NA **			None
47	M65		BenPIN				Yes	** NA **			None
48	M66						Yes				None
49	M67		BenPIN				Yes	** NA **			None
50	M68						Yes	** NA **			None
51	M69						Yes	** NA **			None
52	M70		BenPIN				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
53	M71						Yes				None
54	M72		BenPIN				Yes	** NA **			None
55	M73						Yes	** NA **			None
56	M74						Yes	** NA **			None
57	M75						Yes	** NA **			None
58	M76A						Yes				None
59	M77A						Yes	Default			None
60	M78						Yes	Default			None
61	M79A						Yes	Default			None
62	M80A						Yes	** NA **			None
63	M81						Yes	** NA **			None
64	M82	OOOOOX	OOOOOX				Yes	Default			None
65	M83A	OOOOOX	OOOOOX				Yes	Default			None
66	M84A						Yes	** NA **			None
67	M85A						Yes	** NA **			None
68	M86						Yes	** NA **			None
69	M87						Yes	** NA **			None
70	M88A						Yes	** NA **			None
71	M89		BenPIN				Yes	** NA **			None
72	M90						Yes				None
73	M91A		BenPIN				Yes	** NA **			None
74	M92A						Yes	** NA **			None
75	M93						Yes	** NA **			None
76	M94		BenPIN				Yes	** NA **			None
77	M95						Yes				None
78	M96		BenPIN				Yes	** NA **			None
79	M97						Yes	** NA **			None
80	M98						Yes	** NA **			None
81	M99						Yes	** NA **			None
82	M82A						Yes	Default			None
83	M83B						Yes	** NA **			None
84	M84B						Yes	** NA **			None
85	M85B						Yes	** NA **			None
86	M86A						Yes	** NA **			None
87	M91B						Yes	Default			None
88	M92B						Yes	** NA **			None
89	M93A						Yes	** NA **			None
90	M94A						Yes	** NA **			None
91	M95A						Yes	** NA **			None
92	M100						Yes	** NA **			None
93	M101						Yes	** NA **			None
94	MP3C						Yes	** NA **			None
95	MP4C						Yes	** NA **			None
96	MP2C						Yes	** NA **			None
97	MP1C						Yes	** NA **			None
98	MP3B						Yes	** NA **			None
99	MP4B						Yes	** NA **			None
100	MP2B						Yes	** NA **			None
101	MP1B						Yes	** NA **			None
102	M104						Yes	** NA **			None
103	M105						Yes	** NA **			None
104	M105A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
105	M106						Yes	** NA **			None
106	M107						Yes	** NA **			None
107	M108						Yes	** NA **			None
108	M109						Yes	Default			None
109	M110						Yes	** NA **			None
110	M111						Yes	** NA **			None
111	M112						Yes	** NA **			None
112	M113						Yes	** NA **			None
113	M115						Yes	** NA **			None
114	M116						Yes	** NA **			None
115	M117						Yes	** NA **			None
116	M118						Yes	** NA **			None
117	M117A						Yes	Default			None
118	M118A						Yes	Default			None
119	M119	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121	OOOOOX					Yes	** NA **			None
122	M122	OOOOOX					Yes	** NA **			None
123	M123	OOOOOX					Yes	** NA **			None
124	M124	OOOOOX					Yes	** NA **			None
125	M125						Yes	Default			None
126	M126						Yes	Default			None
127	M127						Yes	Default			None
128	M128	BenPIN	BenPIN				Yes	** NA **			None
129	M129	BenPIN	BenPIN				Yes	** NA **			None
130	M130	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-43.55	1.5
2	MP3A	My	-.022	1.5
3	MP3A	Mz	0	1.5
4	MP3A	Y	-43.55	3.5
5	MP3A	My	-.022	3.5
6	MP3A	Mz	0	3.5
7	MP3B	Y	-43.55	1.5
8	MP3B	My	.011	1.5
9	MP3B	Mz	-.019	1.5
10	MP3B	Y	-43.55	3.5
11	MP3B	My	.011	3.5
12	MP3B	Mz	-.019	3.5
13	MP3C	Y	-43.55	1.5
14	MP3C	My	.011	1.5
15	MP3C	Mz	.019	1.5
16	MP3C	Y	-43.55	3.5
17	MP3C	My	.011	3.5
18	MP3C	Mz	.019	3.5
19	MP2A	Y	-10.4	1.5
20	MP2A	My	.005	1.5
21	MP2A	Mz	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2B	Y	-10.4	1.5
23	MP2B	My	-.003	1.5
24	MP2B	Mz	.005	1.5
25	MP2C	Y	-10.4	1.5
26	MP2C	My	-.003	1.5
27	MP2C	Mz	-.005	1.5
28	MP2A	Y	-84.4	3
29	MP2A	My	.042	3
30	MP2A	Mz	0	3
31	MP2B	Y	-84.4	3
32	MP2B	My	-.021	3
33	MP2B	Mz	.037	3
34	MP2C	Y	-84.4	3
35	MP2C	My	-.021	3
36	MP2C	Mz	-.037	3
37	MP3A	Y	-70.3	2.5
38	MP3A	My	.035	2.5
39	MP3A	Mz	0	2.5
40	MP3B	Y	-70.3	2.5
41	MP3B	My	-.018	2.5
42	MP3B	Mz	.03	2.5
43	MP3C	Y	-70.3	2.5
44	MP3C	My	-.018	2.5
45	MP3C	Mz	-.03	2.5
46	MP2A	Y	-31.65	1
47	MP2A	My	-.016	1
48	MP2A	Mz	.016	1
49	MP2A	Y	-31.65	5
50	MP2A	My	-.016	5
51	MP2A	Mz	.016	5
52	MP2B	Y	-31.65	1
53	MP2B	My	-.006	1
54	MP2B	Mz	-.022	1
55	MP2B	Y	-31.65	5
56	MP2B	My	-.006	5
57	MP2B	Mz	-.022	5
58	MP2C	Y	-31.65	1
59	MP2C	My	.022	1
60	MP2C	Mz	.006	1
61	MP2C	Y	-31.65	5
62	MP2C	My	.022	5
63	MP2C	Mz	.006	5
64	MP2A	Y	-31.65	1
65	MP2A	My	-.016	1
66	MP2A	Mz	-.016	1
67	MP2A	Y	-31.65	5
68	MP2A	My	-.016	5
69	MP2A	Mz	-.016	5
70	MP2B	Y	-31.65	1
71	MP2B	My	.022	1
72	MP2B	Mz	-.006	1
73	MP2B	Y	-31.65	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP2B	My	.022	5
75	MP2B	Mz	-.006	5
76	MP2C	Y	-31.65	1
77	MP2C	My	-.006	1
78	MP2C	Mz	.022	1
79	MP2C	Y	-31.65	5
80	MP2C	My	-.006	5
81	MP2C	Mz	.022	5
82	MP1A	Y	-10.5	.5
83	MP1A	My	-.005	.5
84	MP1A	Mz	0	.5
85	MP1A	Y	-10.5	4.5
86	MP1A	My	-.005	4.5
87	MP1A	Mz	0	4.5
88	MP1B	Y	-10.5	.5
89	MP1B	My	.003	.5
90	MP1B	Mz	-.005	.5
91	MP1B	Y	-10.5	4.5
92	MP1B	My	.003	4.5
93	MP1B	Mz	-.005	4.5
94	MP1C	Y	-10.5	.5
95	MP1C	My	.003	.5
96	MP1C	Mz	.005	.5
97	MP1C	Y	-10.5	4.5
98	MP1C	My	.003	4.5
99	MP1C	Mz	.005	4.5
100	MP4A	Y	-10.5	.5
101	MP4A	My	-.005	.5
102	MP4A	Mz	0	.5
103	MP4A	Y	-10.5	4.5
104	MP4A	My	-.005	4.5
105	MP4A	Mz	0	4.5
106	MP4B	Y	-10.5	.5
107	MP4B	My	.003	.5
108	MP4B	Mz	-.005	.5
109	MP4B	Y	-10.5	4.5
110	MP4B	My	.003	4.5
111	MP4B	Mz	-.005	4.5
112	MP4C	Y	-10.5	.5
113	MP4C	My	.003	.5
114	MP4C	Mz	.005	.5
115	MP4C	Y	-10.5	4.5
116	MP4C	My	.003	4.5
117	MP4C	Mz	.005	4.5
118	M101	Y	-26.9	1
119	M101	My	0	1
120	M101	Mz	0	1
121	M105	Y	-26.9	1
122	M105	My	0	1
123	M105	Mz	0	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-55.146	1.5
2	MP3A	My	-.028	1.5
3	MP3A	Mz	0	1.5
4	MP3A	Y	-55.146	3.5
5	MP3A	My	-.028	3.5
6	MP3A	Mz	0	3.5
7	MP3B	Y	-55.146	1.5
8	MP3B	My	.014	1.5
9	MP3B	Mz	-.024	1.5
10	MP3B	Y	-55.146	3.5
11	MP3B	My	.014	3.5
12	MP3B	Mz	-.024	3.5
13	MP3C	Y	-55.146	1.5
14	MP3C	My	.014	1.5
15	MP3C	Mz	.024	1.5
16	MP3C	Y	-55.146	3.5
17	MP3C	My	.014	3.5
18	MP3C	Mz	.024	3.5
19	MP2A	Y	-17.825	1.5
20	MP2A	My	.009	1.5
21	MP2A	Mz	0	1.5
22	MP2B	Y	-17.825	1.5
23	MP2B	My	-.004	1.5
24	MP2B	Mz	.008	1.5
25	MP2C	Y	-17.825	1.5
26	MP2C	My	-.004	1.5
27	MP2C	Mz	-.008	1.5
28	MP2A	Y	-70.055	3
29	MP2A	My	.035	3
30	MP2A	Mz	0	3
31	MP2B	Y	-70.055	3
32	MP2B	My	-.018	3
33	MP2B	Mz	.03	3
34	MP2C	Y	-70.055	3
35	MP2C	My	-.018	3
36	MP2C	Mz	-.03	3
37	MP3A	Y	-63.236	2.5
38	MP3A	My	.032	2.5
39	MP3A	Mz	0	2.5
40	MP3B	Y	-63.236	2.5
41	MP3B	My	-.016	2.5
42	MP3B	Mz	.027	2.5
43	MP3C	Y	-63.236	2.5
44	MP3C	My	-.016	2.5
45	MP3C	Mz	-.027	2.5
46	MP2A	Y	-107.329	1
47	MP2A	My	-.054	1
48	MP2A	Mz	.054	1
49	MP2A	Y	-107.329	5
50	MP2A	My	-.054	5
51	MP2A	Mz	.054	5
52	MP2B	Y	-107.329	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	My	-.02	1
54	MP2B	Mz	-.073	1
55	MP2B	Y	-107.329	5
56	MP2B	My	-.02	5
57	MP2B	Mz	-.073	5
58	MP2C	Y	-107.329	1
59	MP2C	My	.073	1
60	MP2C	Mz	.02	1
61	MP2C	Y	-107.329	5
62	MP2C	My	.073	5
63	MP2C	Mz	.02	5
64	MP2A	Y	-107.329	1
65	MP2A	My	-.054	1
66	MP2A	Mz	-.054	1
67	MP2A	Y	-107.329	5
68	MP2A	My	-.054	5
69	MP2A	Mz	-.054	5
70	MP2B	Y	-107.329	1
71	MP2B	My	.073	1
72	MP2B	Mz	-.02	1
73	MP2B	Y	-107.329	5
74	MP2B	My	.073	5
75	MP2B	Mz	-.02	5
76	MP2C	Y	-107.329	1
77	MP2C	My	-.02	1
78	MP2C	Mz	.073	1
79	MP2C	Y	-107.329	5
80	MP2C	My	-.02	5
81	MP2C	Mz	.073	5
82	MP1A	Y	-90.273	.5
83	MP1A	My	-.045	.5
84	MP1A	Mz	0	.5
85	MP1A	Y	-90.273	4.5
86	MP1A	My	-.045	4.5
87	MP1A	Mz	0	4.5
88	MP1B	Y	-90.273	.5
89	MP1B	My	.023	.5
90	MP1B	Mz	-.039	.5
91	MP1B	Y	-90.273	4.5
92	MP1B	My	.023	4.5
93	MP1B	Mz	-.039	4.5
94	MP1C	Y	-90.273	.5
95	MP1C	My	.023	.5
96	MP1C	Mz	.039	.5
97	MP1C	Y	-90.273	4.5
98	MP1C	My	.023	4.5
99	MP1C	Mz	.039	4.5
100	MP4A	Y	-90.273	.5
101	MP4A	My	-.045	.5
102	MP4A	Mz	0	.5
103	MP4A	Y	-90.273	4.5
104	MP4A	My	-.045	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP4A	Mz	0	4.5
106	MP4B	Y	-90.273	.5
107	MP4B	My	.023	.5
108	MP4B	Mz	-.039	.5
109	MP4B	Y	-90.273	4.5
110	MP4B	My	.023	4.5
111	MP4B	Mz	-.039	4.5
112	MP4C	Y	-90.273	.5
113	MP4C	My	.023	.5
114	MP4C	Mz	.039	.5
115	MP4C	Y	-90.273	4.5
116	MP4C	My	.023	4.5
117	MP4C	Mz	.039	4.5
118	M101	Y	-85.785	1
119	M101	My	0	1
120	M101	Mz	0	1
121	M105	Y	-85.785	1
122	M105	My	0	1
123	M105	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	-73.412	1.5
3	MP3A	Mx	0	1.5
4	MP3A	X	0	3.5
5	MP3A	Z	-73.412	3.5
6	MP3A	Mx	0	3.5
7	MP3B	X	0	1.5
8	MP3B	Z	-39.909	1.5
9	MP3B	Mx	.017	1.5
10	MP3B	X	0	3.5
11	MP3B	Z	-39.909	3.5
12	MP3B	Mx	.017	3.5
13	MP3C	X	0	1.5
14	MP3C	Z	-39.909	1.5
15	MP3C	Mx	-.017	1.5
16	MP3C	X	0	3.5
17	MP3C	Z	-39.909	3.5
18	MP3C	Mx	-.017	3.5
19	MP2A	X	0	1.5
20	MP2A	Z	-11.559	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	-8.888	1.5
24	MP2B	Mx	-.004	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-8.888	1.5
27	MP2C	Mx	.004	1.5
28	MP2A	X	0	3
29	MP2A	Z	-58.417	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2A	Mx	0	3
31	MP2B	X	0	3
32	MP2B	Z	-43.891	3
33	MP2B	Mx	-.019	3
34	MP2C	X	0	3
35	MP2C	Z	-43.891	3
36	MP2C	Mx	.019	3
37	MP3A	X	0	2.5
38	MP3A	Z	-58.417	2.5
39	MP3A	Mx	0	2.5
40	MP3B	X	0	2.5
41	MP3B	Z	-38.327	2.5
42	MP3B	Mx	-.017	2.5
43	MP3C	X	0	2.5
44	MP3C	Z	-38.327	2.5
45	MP3C	Mx	.017	2.5
46	MP2A	X	0	1
47	MP2A	Z	-142.295	1
48	MP2A	Mx	-.071	1
49	MP2A	X	0	5
50	MP2A	Z	-142.295	5
51	MP2A	Mx	-.071	5
52	MP2B	X	0	1
53	MP2B	Z	-105.667	1
54	MP2B	Mx	.072	1
55	MP2B	X	0	5
56	MP2B	Z	-105.667	5
57	MP2B	Mx	.072	5
58	MP2C	X	0	1
59	MP2C	Z	-105.667	1
60	MP2C	Mx	-.019	1
61	MP2C	X	0	5
62	MP2C	Z	-105.667	5
63	MP2C	Mx	-.019	5
64	MP2A	X	0	1
65	MP2A	Z	-142.295	1
66	MP2A	Mx	.071	1
67	MP2A	X	0	5
68	MP2A	Z	-142.295	5
69	MP2A	Mx	.071	5
70	MP2B	X	0	1
71	MP2B	Z	-105.667	1
72	MP2B	Mx	.019	1
73	MP2B	X	0	5
74	MP2B	Z	-105.667	5
75	MP2B	Mx	.019	5
76	MP2C	X	0	1
77	MP2C	Z	-105.667	1
78	MP2C	Mx	-.072	1
79	MP2C	X	0	5
80	MP2C	Z	-105.667	5
81	MP2C	Mx	-.072	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	0	.5
83	MP1A	Z	-67.633	.5
84	MP1A	Mx	0	.5
85	MP1A	X	0	4.5
86	MP1A	Z	-67.633	4.5
87	MP1A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	-117.987	.5
90	MP1B	Mx	.051	.5
91	MP1B	X	0	4.5
92	MP1B	Z	-117.987	4.5
93	MP1B	Mx	.051	4.5
94	MP1C	X	0	.5
95	MP1C	Z	-117.987	.5
96	MP1C	Mx	-.051	.5
97	MP1C	X	0	4.5
98	MP1C	Z	-117.987	4.5
99	MP1C	Mx	-.051	4.5
100	MP4A	X	0	.5
101	MP4A	Z	-67.633	.5
102	MP4A	Mx	0	.5
103	MP4A	X	0	4.5
104	MP4A	Z	-67.633	4.5
105	MP4A	Mx	0	4.5
106	MP4B	X	0	.5
107	MP4B	Z	-117.987	.5
108	MP4B	Mx	.051	.5
109	MP4B	X	0	4.5
110	MP4B	Z	-117.987	4.5
111	MP4B	Mx	.051	4.5
112	MP4C	X	0	.5
113	MP4C	Z	-117.987	.5
114	MP4C	Mx	-.051	.5
115	MP4C	X	0	4.5
116	MP4C	Z	-117.987	4.5
117	MP4C	Mx	-.051	4.5
118	M101	X	0	1
119	M101	Z	-78.098	1
120	M101	Mx	0	1
121	M105	X	0	1
122	M105	Z	-78.098	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	31.122	1.5
2	MP3A	Z	-53.905	1.5
3	MP3A	Mx	-.016	1.5
4	MP3A	X	31.122	3.5
5	MP3A	Z	-53.905	3.5
6	MP3A	Mx	-.016	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	X	14.37	1.5
8	MP3B	Z	-24.89	1.5
9	MP3B	Mx	.014	1.5
10	MP3B	X	14.37	3.5
11	MP3B	Z	-24.89	3.5
12	MP3B	Mx	.014	3.5
13	MP3C	X	31.122	1.5
14	MP3C	Z	-53.905	1.5
15	MP3C	Mx	-.016	1.5
16	MP3C	X	31.122	3.5
17	MP3C	Z	-53.905	3.5
18	MP3C	Mx	-.016	3.5
19	MP2A	X	5.334	1.5
20	MP2A	Z	-9.239	1.5
21	MP2A	Mx	.003	1.5
22	MP2B	X	3.999	1.5
23	MP2B	Z	-6.926	1.5
24	MP2B	Mx	-.004	1.5
25	MP2C	X	5.334	1.5
26	MP2C	Z	-9.239	1.5
27	MP2C	Mx	.003	1.5
28	MP2A	X	26.788	3
29	MP2A	Z	-46.398	3
30	MP2A	Mx	.013	3
31	MP2B	X	19.525	3
32	MP2B	Z	-33.817	3
33	MP2B	Mx	-.02	3
34	MP2C	X	26.788	3
35	MP2C	Z	-46.398	3
36	MP2C	Mx	.013	3
37	MP3A	X	25.86	2.5
38	MP3A	Z	-44.791	2.5
39	MP3A	Mx	.013	2.5
40	MP3B	X	15.815	2.5
41	MP3B	Z	-27.392	2.5
42	MP3B	Mx	-.016	2.5
43	MP3C	X	25.86	2.5
44	MP3C	Z	-44.791	2.5
45	MP3C	Mx	.013	2.5
46	MP2A	X	65.043	1
47	MP2A	Z	-112.657	1
48	MP2A	Mx	-.089	1
49	MP2A	X	65.043	5
50	MP2A	Z	-112.657	5
51	MP2A	Mx	-.089	5
52	MP2B	X	46.729	1
53	MP2B	Z	-80.936	1
54	MP2B	Mx	.047	1
55	MP2B	X	46.729	5
56	MP2B	Z	-80.936	5
57	MP2B	Mx	.047	5
58	MP2C	X	65.043	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2C	Z	-112.657	1
60	MP2C	Mx	.024	1
61	MP2C	X	65.043	5
62	MP2C	Z	-112.657	5
63	MP2C	Mx	.024	5
64	MP2A	X	65.043	1
65	MP2A	Z	-112.657	1
66	MP2A	Mx	.024	1
67	MP2A	X	65.043	5
68	MP2A	Z	-112.657	5
69	MP2A	Mx	.024	5
70	MP2B	X	46.729	1
71	MP2B	Z	-80.936	1
72	MP2B	Mx	.047	1
73	MP2B	X	46.729	5
74	MP2B	Z	-80.936	5
75	MP2B	Mx	.047	5
76	MP2C	X	65.043	1
77	MP2C	Z	-112.657	1
78	MP2C	Mx	-.089	1
79	MP2C	X	65.043	5
80	MP2C	Z	-112.657	5
81	MP2C	Mx	-.089	5
82	MP1A	X	42.209	.5
83	MP1A	Z	-73.108	.5
84	MP1A	Mx	-.021	.5
85	MP1A	X	42.209	4.5
86	MP1A	Z	-73.108	4.5
87	MP1A	Mx	-.021	4.5
88	MP1B	X	67.386	.5
89	MP1B	Z	-116.716	.5
90	MP1B	Mx	.067	.5
91	MP1B	X	67.386	4.5
92	MP1B	Z	-116.716	4.5
93	MP1B	Mx	.067	4.5
94	MP1C	X	42.209	.5
95	MP1C	Z	-73.108	.5
96	MP1C	Mx	-.021	.5
97	MP1C	X	42.209	4.5
98	MP1C	Z	-73.108	4.5
99	MP1C	Mx	-.021	4.5
100	MP4A	X	42.209	.5
101	MP4A	Z	-73.108	.5
102	MP4A	Mx	-.021	.5
103	MP4A	X	42.209	4.5
104	MP4A	Z	-73.108	4.5
105	MP4A	Mx	-.021	4.5
106	MP4B	X	67.386	.5
107	MP4B	Z	-116.716	.5
108	MP4B	Mx	.067	.5
109	MP4B	X	67.386	4.5
110	MP4B	Z	-116.716	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP4B	Mx	.067	4.5
112	MP4C	X	42.209	.5
113	MP4C	Z	-73.108	.5
114	MP4C	Mx	-.021	.5
115	MP4C	X	42.209	4.5
116	MP4C	Z	-73.108	4.5
117	MP4C	Mx	-.021	4.5
118	M101	X	35.626	1
119	M101	Z	-61.707	1
120	M101	Mx	0	1
121	M105	X	35.626	1
122	M105	Z	-61.707	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	34.562	1.5
2	MP3A	Z	-19.954	1.5
3	MP3A	Mx	-.017	1.5
4	MP3A	X	34.562	3.5
5	MP3A	Z	-19.954	3.5
6	MP3A	Mx	-.017	3.5
7	MP3B	X	34.562	1.5
8	MP3B	Z	-19.954	1.5
9	MP3B	Mx	.017	1.5
10	MP3B	X	34.562	3.5
11	MP3B	Z	-19.954	3.5
12	MP3B	Mx	.017	3.5
13	MP3C	X	63.577	1.5
14	MP3C	Z	-36.706	1.5
15	MP3C	Mx	0	1.5
16	MP3C	X	63.577	3.5
17	MP3C	Z	-36.706	3.5
18	MP3C	Mx	0	3.5
19	MP2A	X	7.697	1.5
20	MP2A	Z	-4.444	1.5
21	MP2A	Mx	.004	1.5
22	MP2B	X	7.697	1.5
23	MP2B	Z	-4.444	1.5
24	MP2B	Mx	-.004	1.5
25	MP2C	X	10.01	1.5
26	MP2C	Z	-5.779	1.5
27	MP2C	Mx	0	1.5
28	MP2A	X	38.011	3
29	MP2A	Z	-21.946	3
30	MP2A	Mx	.019	3
31	MP2B	X	38.011	3
32	MP2B	Z	-21.946	3
33	MP2B	Mx	-.019	3
34	MP2C	X	50.591	3
35	MP2C	Z	-29.209	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	0	3
37	MP3A	X	33.192	2.5
38	MP3A	Z	-19.163	2.5
39	MP3A	Mx	.017	2.5
40	MP3B	X	33.192	2.5
41	MP3B	Z	-19.163	2.5
42	MP3B	Mx	-.017	2.5
43	MP3C	X	50.591	2.5
44	MP3C	Z	-29.209	2.5
45	MP3C	Mx	0	2.5
46	MP2A	X	91.51	1
47	MP2A	Z	-52.833	1
48	MP2A	Mx	-.072	1
49	MP2A	X	91.51	5
50	MP2A	Z	-52.833	5
51	MP2A	Mx	-.072	5
52	MP2B	X	91.51	1
53	MP2B	Z	-52.833	1
54	MP2B	Mx	.019	1
55	MP2B	X	91.51	5
56	MP2B	Z	-52.833	5
57	MP2B	Mx	.019	5
58	MP2C	X	123.231	1
59	MP2C	Z	-71.147	1
60	MP2C	Mx	.071	1
61	MP2C	X	123.231	5
62	MP2C	Z	-71.147	5
63	MP2C	Mx	.071	5
64	MP2A	X	91.51	1
65	MP2A	Z	-52.833	1
66	MP2A	Mx	-.019	1
67	MP2A	X	91.51	5
68	MP2A	Z	-52.833	5
69	MP2A	Mx	-.019	5
70	MP2B	X	91.51	1
71	MP2B	Z	-52.833	1
72	MP2B	Mx	.072	1
73	MP2B	X	91.51	5
74	MP2B	Z	-52.833	5
75	MP2B	Mx	.072	5
76	MP2C	X	123.231	1
77	MP2C	Z	-71.147	1
78	MP2C	Mx	-.071	1
79	MP2C	X	123.231	5
80	MP2C	Z	-71.147	5
81	MP2C	Mx	-.071	5
82	MP1A	X	102.18	.5
83	MP1A	Z	-58.993	.5
84	MP1A	Mx	-.051	.5
85	MP1A	X	102.18	4.5
86	MP1A	Z	-58.993	4.5
87	MP1A	Mx	-.051	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1B	X	102.18	.5
89	MP1B	Z	-58.993	.5
90	MP1B	Mx	.051	.5
91	MP1B	X	102.18	4.5
92	MP1B	Z	-58.993	4.5
93	MP1B	Mx	.051	4.5
94	MP1C	X	58.572	.5
95	MP1C	Z	-33.816	.5
96	MP1C	Mx	0	.5
97	MP1C	X	58.572	4.5
98	MP1C	Z	-33.816	4.5
99	MP1C	Mx	0	4.5
100	MP4A	X	102.18	.5
101	MP4A	Z	-58.993	.5
102	MP4A	Mx	-.051	.5
103	MP4A	X	102.18	4.5
104	MP4A	Z	-58.993	4.5
105	MP4A	Mx	-.051	4.5
106	MP4B	X	102.18	.5
107	MP4B	Z	-58.993	.5
108	MP4B	Mx	.051	.5
109	MP4B	X	102.18	4.5
110	MP4B	Z	-58.993	4.5
111	MP4B	Mx	.051	4.5
112	MP4C	X	58.572	.5
113	MP4C	Z	-33.816	.5
114	MP4C	Mx	0	.5
115	MP4C	X	58.572	4.5
116	MP4C	Z	-33.816	4.5
117	MP4C	Mx	0	4.5
118	M101	X	49.85	1
119	M101	Z	-28.781	1
120	M101	Mx	0	1
121	M105	X	49.85	1
122	M105	Z	-28.781	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	28.741	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.014	1.5
4	MP3A	X	28.741	3.5
5	MP3A	Z	0	3.5
6	MP3A	Mx	-.014	3.5
7	MP3B	X	62.244	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	.016	1.5
10	MP3B	X	62.244	3.5
11	MP3B	Z	0	3.5
12	MP3B	Mx	.016	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	62.244	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.016	1.5
16	MP3C	X	62.244	3.5
17	MP3C	Z	0	3.5
18	MP3C	Mx	.016	3.5
19	MP2A	X	7.997	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.004	1.5
22	MP2B	X	10.668	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.003	1.5
25	MP2C	X	10.668	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.003	1.5
28	MP2A	X	39.049	3
29	MP2A	Z	0	3
30	MP2A	Mx	.02	3
31	MP2B	X	53.575	3
32	MP2B	Z	0	3
33	MP2B	Mx	-.013	3
34	MP2C	X	53.575	3
35	MP2C	Z	0	3
36	MP2C	Mx	-.013	3
37	MP3A	X	31.63	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	.016	2.5
40	MP3B	X	51.72	2.5
41	MP3B	Z	0	2.5
42	MP3B	Mx	-.013	2.5
43	MP3C	X	51.72	2.5
44	MP3C	Z	0	2.5
45	MP3C	Mx	-.013	2.5
46	MP2A	X	93.457	1
47	MP2A	Z	0	1
48	MP2A	Mx	-.047	1
49	MP2A	X	93.457	5
50	MP2A	Z	0	5
51	MP2A	Mx	-.047	5
52	MP2B	X	130.085	1
53	MP2B	Z	0	1
54	MP2B	Mx	-.024	1
55	MP2B	X	130.085	5
56	MP2B	Z	0	5
57	MP2B	Mx	-.024	5
58	MP2C	X	130.085	1
59	MP2C	Z	0	1
60	MP2C	Mx	.089	1
61	MP2C	X	130.085	5
62	MP2C	Z	0	5
63	MP2C	Mx	.089	5
64	MP2A	X	93.457	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	0	1
66	MP2A	Mx	-.047	1
67	MP2A	X	93.457	5
68	MP2A	Z	0	5
69	MP2A	Mx	-.047	5
70	MP2B	X	130.085	1
71	MP2B	Z	0	1
72	MP2B	Mx	.089	1
73	MP2B	X	130.085	5
74	MP2B	Z	0	5
75	MP2B	Mx	.089	5
76	MP2C	X	130.085	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.024	1
79	MP2C	X	130.085	5
80	MP2C	Z	0	5
81	MP2C	Mx	-.024	5
82	MP1A	X	134.772	.5
83	MP1A	Z	0	.5
84	MP1A	Mx	-.067	.5
85	MP1A	X	134.772	4.5
86	MP1A	Z	0	4.5
87	MP1A	Mx	-.067	4.5
88	MP1B	X	84.418	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	.021	.5
91	MP1B	X	84.418	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	.021	4.5
94	MP1C	X	84.418	.5
95	MP1C	Z	0	.5
96	MP1C	Mx	.021	.5
97	MP1C	X	84.418	4.5
98	MP1C	Z	0	4.5
99	MP1C	Mx	.021	4.5
100	MP4A	X	134.772	.5
101	MP4A	Z	0	.5
102	MP4A	Mx	-.067	.5
103	MP4A	X	134.772	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	-.067	4.5
106	MP4B	X	84.418	.5
107	MP4B	Z	0	.5
108	MP4B	Mx	.021	.5
109	MP4B	X	84.418	4.5
110	MP4B	Z	0	4.5
111	MP4B	Mx	.021	4.5
112	MP4C	X	84.418	.5
113	MP4C	Z	0	.5
114	MP4C	Mx	.021	.5
115	MP4C	X	84.418	4.5
116	MP4C	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4C	Mx	.021	4.5
118	M101	X	50.717	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M105	X	50.717	1
122	M105	Z	0	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	34.562	1.5
2	MP3A	Z	19.954	1.5
3	MP3A	Mx	-.017	1.5
4	MP3A	X	34.562	3.5
5	MP3A	Z	19.954	3.5
6	MP3A	Mx	-.017	3.5
7	MP3B	X	63.577	1.5
8	MP3B	Z	36.706	1.5
9	MP3B	Mx	0	1.5
10	MP3B	X	63.577	3.5
11	MP3B	Z	36.706	3.5
12	MP3B	Mx	0	3.5
13	MP3C	X	34.562	1.5
14	MP3C	Z	19.954	1.5
15	MP3C	Mx	.017	1.5
16	MP3C	X	34.562	3.5
17	MP3C	Z	19.954	3.5
18	MP3C	Mx	.017	3.5
19	MP2A	X	7.697	1.5
20	MP2A	Z	4.444	1.5
21	MP2A	Mx	.004	1.5
22	MP2B	X	10.01	1.5
23	MP2B	Z	5.779	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	7.697	1.5
26	MP2C	Z	4.444	1.5
27	MP2C	Mx	-.004	1.5
28	MP2A	X	38.011	3
29	MP2A	Z	21.946	3
30	MP2A	Mx	.019	3
31	MP2B	X	50.591	3
32	MP2B	Z	29.209	3
33	MP2B	Mx	0	3
34	MP2C	X	38.011	3
35	MP2C	Z	21.946	3
36	MP2C	Mx	-.019	3
37	MP3A	X	33.192	2.5
38	MP3A	Z	19.163	2.5
39	MP3A	Mx	.017	2.5
40	MP3B	X	50.591	2.5
41	MP3B	Z	29.209	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3B	Mx	0	2.5
43	MP3C	X	33.192	2.5
44	MP3C	Z	19.163	2.5
45	MP3C	Mx	-.017	2.5
46	MP2A	X	91.51	1
47	MP2A	Z	52.833	1
48	MP2A	Mx	-.019	1
49	MP2A	X	91.51	5
50	MP2A	Z	52.833	5
51	MP2A	Mx	-.019	5
52	MP2B	X	123.231	1
53	MP2B	Z	71.147	1
54	MP2B	Mx	-.071	1
55	MP2B	X	123.231	5
56	MP2B	Z	71.147	5
57	MP2B	Mx	-.071	5
58	MP2C	X	91.51	1
59	MP2C	Z	52.833	1
60	MP2C	Mx	.072	1
61	MP2C	X	91.51	5
62	MP2C	Z	52.833	5
63	MP2C	Mx	.072	5
64	MP2A	X	91.51	1
65	MP2A	Z	52.833	1
66	MP2A	Mx	-.072	1
67	MP2A	X	91.51	5
68	MP2A	Z	52.833	5
69	MP2A	Mx	-.072	5
70	MP2B	X	123.231	1
71	MP2B	Z	71.147	1
72	MP2B	Mx	.071	1
73	MP2B	X	123.231	5
74	MP2B	Z	71.147	5
75	MP2B	Mx	.071	5
76	MP2C	X	91.51	1
77	MP2C	Z	52.833	1
78	MP2C	Mx	.019	1
79	MP2C	X	91.51	5
80	MP2C	Z	52.833	5
81	MP2C	Mx	.019	5
82	MP1A	X	102.18	.5
83	MP1A	Z	58.993	.5
84	MP1A	Mx	-.051	.5
85	MP1A	X	102.18	4.5
86	MP1A	Z	58.993	4.5
87	MP1A	Mx	-.051	4.5
88	MP1B	X	58.572	.5
89	MP1B	Z	33.816	.5
90	MP1B	Mx	0	.5
91	MP1B	X	58.572	4.5
92	MP1B	Z	33.816	4.5
93	MP1B	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1C	X	102.18	.5
95	MP1C	Z	58.993	.5
96	MP1C	Mx	.051	.5
97	MP1C	X	102.18	4.5
98	MP1C	Z	58.993	4.5
99	MP1C	Mx	.051	4.5
100	MP4A	X	102.18	.5
101	MP4A	Z	58.993	.5
102	MP4A	Mx	-.051	.5
103	MP4A	X	102.18	4.5
104	MP4A	Z	58.993	4.5
105	MP4A	Mx	-.051	4.5
106	MP4B	X	58.572	.5
107	MP4B	Z	33.816	.5
108	MP4B	Mx	0	.5
109	MP4B	X	58.572	4.5
110	MP4B	Z	33.816	4.5
111	MP4B	Mx	0	4.5
112	MP4C	X	102.18	.5
113	MP4C	Z	58.993	.5
114	MP4C	Mx	.051	.5
115	MP4C	X	102.18	4.5
116	MP4C	Z	58.993	4.5
117	MP4C	Mx	.051	4.5
118	M101	X	49.85	1
119	M101	Z	28.781	1
120	M101	Mx	0	1
121	M105	X	49.85	1
122	M105	Z	28.781	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	31.122	1.5
2	MP3A	Z	53.905	1.5
3	MP3A	Mx	-.016	1.5
4	MP3A	X	31.122	3.5
5	MP3A	Z	53.905	3.5
6	MP3A	Mx	-.016	3.5
7	MP3B	X	31.122	1.5
8	MP3B	Z	53.905	1.5
9	MP3B	Mx	-.016	1.5
10	MP3B	X	31.122	3.5
11	MP3B	Z	53.905	3.5
12	MP3B	Mx	-.016	3.5
13	MP3C	X	14.37	1.5
14	MP3C	Z	24.89	1.5
15	MP3C	Mx	.014	1.5
16	MP3C	X	14.37	3.5
17	MP3C	Z	24.89	3.5
18	MP3C	Mx	.014	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	5.334	1.5
20	MP2A	Z	9.239	1.5
21	MP2A	Mx	.003	1.5
22	MP2B	X	5.334	1.5
23	MP2B	Z	9.239	1.5
24	MP2B	Mx	.003	1.5
25	MP2C	X	3.999	1.5
26	MP2C	Z	6.926	1.5
27	MP2C	Mx	-.004	1.5
28	MP2A	X	26.788	3
29	MP2A	Z	46.398	3
30	MP2A	Mx	.013	3
31	MP2B	X	26.788	3
32	MP2B	Z	46.398	3
33	MP2B	Mx	.013	3
34	MP2C	X	19.525	3
35	MP2C	Z	33.817	3
36	MP2C	Mx	-.02	3
37	MP3A	X	25.86	2.5
38	MP3A	Z	44.791	2.5
39	MP3A	Mx	.013	2.5
40	MP3B	X	25.86	2.5
41	MP3B	Z	44.791	2.5
42	MP3B	Mx	.013	2.5
43	MP3C	X	15.815	2.5
44	MP3C	Z	27.392	2.5
45	MP3C	Mx	-.016	2.5
46	MP2A	X	65.043	1
47	MP2A	Z	112.657	1
48	MP2A	Mx	.024	1
49	MP2A	X	65.043	5
50	MP2A	Z	112.657	5
51	MP2A	Mx	.024	5
52	MP2B	X	65.043	1
53	MP2B	Z	112.657	1
54	MP2B	Mx	-.089	1
55	MP2B	X	65.043	5
56	MP2B	Z	112.657	5
57	MP2B	Mx	-.089	5
58	MP2C	X	46.729	1
59	MP2C	Z	80.936	1
60	MP2C	Mx	.047	1
61	MP2C	X	46.729	5
62	MP2C	Z	80.936	5
63	MP2C	Mx	.047	5
64	MP2A	X	65.043	1
65	MP2A	Z	112.657	1
66	MP2A	Mx	-.089	1
67	MP2A	X	65.043	5
68	MP2A	Z	112.657	5
69	MP2A	Mx	-.089	5
70	MP2B	X	65.043	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	112.657	1
72	MP2B	Mx	.024	1
73	MP2B	X	65.043	5
74	MP2B	Z	112.657	5
75	MP2B	Mx	.024	5
76	MP2C	X	46.729	1
77	MP2C	Z	80.936	1
78	MP2C	Mx	.047	1
79	MP2C	X	46.729	5
80	MP2C	Z	80.936	5
81	MP2C	Mx	.047	5
82	MP1A	X	42.209	.5
83	MP1A	Z	73.108	.5
84	MP1A	Mx	-.021	.5
85	MP1A	X	42.209	4.5
86	MP1A	Z	73.108	4.5
87	MP1A	Mx	-.021	4.5
88	MP1B	X	42.209	.5
89	MP1B	Z	73.108	.5
90	MP1B	Mx	-.021	.5
91	MP1B	X	42.209	4.5
92	MP1B	Z	73.108	4.5
93	MP1B	Mx	-.021	4.5
94	MP1C	X	67.386	.5
95	MP1C	Z	116.716	.5
96	MP1C	Mx	.067	.5
97	MP1C	X	67.386	4.5
98	MP1C	Z	116.716	4.5
99	MP1C	Mx	.067	4.5
100	MP4A	X	42.209	.5
101	MP4A	Z	73.108	.5
102	MP4A	Mx	-.021	.5
103	MP4A	X	42.209	4.5
104	MP4A	Z	73.108	4.5
105	MP4A	Mx	-.021	4.5
106	MP4B	X	42.209	.5
107	MP4B	Z	73.108	.5
108	MP4B	Mx	-.021	.5
109	MP4B	X	42.209	4.5
110	MP4B	Z	73.108	4.5
111	MP4B	Mx	-.021	4.5
112	MP4C	X	67.386	.5
113	MP4C	Z	116.716	.5
114	MP4C	Mx	.067	.5
115	MP4C	X	67.386	4.5
116	MP4C	Z	116.716	4.5
117	MP4C	Mx	.067	4.5
118	M101	X	35.626	1
119	M101	Z	61.707	1
120	M101	Mx	0	1
121	M105	X	35.626	1
122	M105	Z	61.707	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	73.412	1.5
3	MP3A	Mx	0	1.5
4	MP3A	X	0	3.5
5	MP3A	Z	73.412	3.5
6	MP3A	Mx	0	3.5
7	MP3B	X	0	1.5
8	MP3B	Z	39.909	1.5
9	MP3B	Mx	-.017	1.5
10	MP3B	X	0	3.5
11	MP3B	Z	39.909	3.5
12	MP3B	Mx	-.017	3.5
13	MP3C	X	0	1.5
14	MP3C	Z	39.909	1.5
15	MP3C	Mx	.017	1.5
16	MP3C	X	0	3.5
17	MP3C	Z	39.909	3.5
18	MP3C	Mx	.017	3.5
19	MP2A	X	0	1.5
20	MP2A	Z	11.559	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	8.888	1.5
24	MP2B	Mx	.004	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	8.888	1.5
27	MP2C	Mx	-.004	1.5
28	MP2A	X	0	3
29	MP2A	Z	58.417	3
30	MP2A	Mx	0	3
31	MP2B	X	0	3
32	MP2B	Z	43.891	3
33	MP2B	Mx	.019	3
34	MP2C	X	0	3
35	MP2C	Z	43.891	3
36	MP2C	Mx	-.019	3
37	MP3A	X	0	2.5
38	MP3A	Z	58.417	2.5
39	MP3A	Mx	0	2.5
40	MP3B	X	0	2.5
41	MP3B	Z	38.327	2.5
42	MP3B	Mx	.017	2.5
43	MP3C	X	0	2.5
44	MP3C	Z	38.327	2.5
45	MP3C	Mx	-.017	2.5
46	MP2A	X	0	1
47	MP2A	Z	142.295	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2A	Mx	.071	1
49	MP2A	X	0	5
50	MP2A	Z	142.295	5
51	MP2A	Mx	.071	5
52	MP2B	X	0	1
53	MP2B	Z	105.667	1
54	MP2B	Mx	-.072	1
55	MP2B	X	0	5
56	MP2B	Z	105.667	5
57	MP2B	Mx	-.072	5
58	MP2C	X	0	1
59	MP2C	Z	105.667	1
60	MP2C	Mx	.019	1
61	MP2C	X	0	5
62	MP2C	Z	105.667	5
63	MP2C	Mx	.019	5
64	MP2A	X	0	1
65	MP2A	Z	142.295	1
66	MP2A	Mx	-.071	1
67	MP2A	X	0	5
68	MP2A	Z	142.295	5
69	MP2A	Mx	-.071	5
70	MP2B	X	0	1
71	MP2B	Z	105.667	1
72	MP2B	Mx	-.019	1
73	MP2B	X	0	5
74	MP2B	Z	105.667	5
75	MP2B	Mx	-.019	5
76	MP2C	X	0	1
77	MP2C	Z	105.667	1
78	MP2C	Mx	.072	1
79	MP2C	X	0	5
80	MP2C	Z	105.667	5
81	MP2C	Mx	.072	5
82	MP1A	X	0	.5
83	MP1A	Z	67.633	.5
84	MP1A	Mx	0	.5
85	MP1A	X	0	4.5
86	MP1A	Z	67.633	4.5
87	MP1A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	117.987	.5
90	MP1B	Mx	-.051	.5
91	MP1B	X	0	4.5
92	MP1B	Z	117.987	4.5
93	MP1B	Mx	-.051	4.5
94	MP1C	X	0	.5
95	MP1C	Z	117.987	.5
96	MP1C	Mx	.051	.5
97	MP1C	X	0	4.5
98	MP1C	Z	117.987	4.5
99	MP1C	Mx	.051	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP4A	X	0	.5
101	MP4A	Z	67.633	.5
102	MP4A	Mx	0	.5
103	MP4A	X	0	4.5
104	MP4A	Z	67.633	4.5
105	MP4A	Mx	0	4.5
106	MP4B	X	0	.5
107	MP4B	Z	117.987	.5
108	MP4B	Mx	-.051	.5
109	MP4B	X	0	4.5
110	MP4B	Z	117.987	4.5
111	MP4B	Mx	-.051	4.5
112	MP4C	X	0	.5
113	MP4C	Z	117.987	.5
114	MP4C	Mx	.051	.5
115	MP4C	X	0	4.5
116	MP4C	Z	117.987	4.5
117	MP4C	Mx	.051	4.5
118	M101	X	0	1
119	M101	Z	78.098	1
120	M101	Mx	0	1
121	M105	X	0	1
122	M105	Z	78.098	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-31.122	1.5
2	MP3A	Z	53.905	1.5
3	MP3A	Mx	.016	1.5
4	MP3A	X	-31.122	3.5
5	MP3A	Z	53.905	3.5
6	MP3A	Mx	.016	3.5
7	MP3B	X	-14.37	1.5
8	MP3B	Z	24.89	1.5
9	MP3B	Mx	-.014	1.5
10	MP3B	X	-14.37	3.5
11	MP3B	Z	24.89	3.5
12	MP3B	Mx	-.014	3.5
13	MP3C	X	-31.122	1.5
14	MP3C	Z	53.905	1.5
15	MP3C	Mx	.016	1.5
16	MP3C	X	-31.122	3.5
17	MP3C	Z	53.905	3.5
18	MP3C	Mx	.016	3.5
19	MP2A	X	-5.334	1.5
20	MP2A	Z	9.239	1.5
21	MP2A	Mx	-.003	1.5
22	MP2B	X	-3.999	1.5
23	MP2B	Z	6.926	1.5
24	MP2B	Mx	.004	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2C	X	-5.334	1.5
26	MP2C	Z	9.239	1.5
27	MP2C	Mx	-.003	1.5
28	MP2A	X	-26.788	3
29	MP2A	Z	46.398	3
30	MP2A	Mx	-.013	3
31	MP2B	X	-19.525	3
32	MP2B	Z	33.817	3
33	MP2B	Mx	.02	3
34	MP2C	X	-26.788	3
35	MP2C	Z	46.398	3
36	MP2C	Mx	-.013	3
37	MP3A	X	-25.86	2.5
38	MP3A	Z	44.791	2.5
39	MP3A	Mx	-.013	2.5
40	MP3B	X	-15.815	2.5
41	MP3B	Z	27.392	2.5
42	MP3B	Mx	.016	2.5
43	MP3C	X	-25.86	2.5
44	MP3C	Z	44.791	2.5
45	MP3C	Mx	-.013	2.5
46	MP2A	X	-65.043	1
47	MP2A	Z	112.657	1
48	MP2A	Mx	.089	1
49	MP2A	X	-65.043	5
50	MP2A	Z	112.657	5
51	MP2A	Mx	.089	5
52	MP2B	X	-46.729	1
53	MP2B	Z	80.936	1
54	MP2B	Mx	-.047	1
55	MP2B	X	-46.729	5
56	MP2B	Z	80.936	5
57	MP2B	Mx	-.047	5
58	MP2C	X	-65.043	1
59	MP2C	Z	112.657	1
60	MP2C	Mx	-.024	1
61	MP2C	X	-65.043	5
62	MP2C	Z	112.657	5
63	MP2C	Mx	-.024	5
64	MP2A	X	-65.043	1
65	MP2A	Z	112.657	1
66	MP2A	Mx	-.024	1
67	MP2A	X	-65.043	5
68	MP2A	Z	112.657	5
69	MP2A	Mx	-.024	5
70	MP2B	X	-46.729	1
71	MP2B	Z	80.936	1
72	MP2B	Mx	-.047	1
73	MP2B	X	-46.729	5
74	MP2B	Z	80.936	5
75	MP2B	Mx	-.047	5
76	MP2C	X	-65.043	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2C	Z	112.657	1
78	MP2C	Mx	.089	1
79	MP2C	X	-65.043	5
80	MP2C	Z	112.657	5
81	MP2C	Mx	.089	5
82	MP1A	X	-42.209	.5
83	MP1A	Z	73.108	.5
84	MP1A	Mx	.021	.5
85	MP1A	X	-42.209	4.5
86	MP1A	Z	73.108	4.5
87	MP1A	Mx	.021	4.5
88	MP1B	X	-67.386	.5
89	MP1B	Z	116.716	.5
90	MP1B	Mx	-.067	.5
91	MP1B	X	-67.386	4.5
92	MP1B	Z	116.716	4.5
93	MP1B	Mx	-.067	4.5
94	MP1C	X	-42.209	.5
95	MP1C	Z	73.108	.5
96	MP1C	Mx	.021	.5
97	MP1C	X	-42.209	4.5
98	MP1C	Z	73.108	4.5
99	MP1C	Mx	.021	4.5
100	MP4A	X	-42.209	.5
101	MP4A	Z	73.108	.5
102	MP4A	Mx	.021	.5
103	MP4A	X	-42.209	4.5
104	MP4A	Z	73.108	4.5
105	MP4A	Mx	.021	4.5
106	MP4B	X	-67.386	.5
107	MP4B	Z	116.716	.5
108	MP4B	Mx	-.067	.5
109	MP4B	X	-67.386	4.5
110	MP4B	Z	116.716	4.5
111	MP4B	Mx	-.067	4.5
112	MP4C	X	-42.209	.5
113	MP4C	Z	73.108	.5
114	MP4C	Mx	.021	.5
115	MP4C	X	-42.209	4.5
116	MP4C	Z	73.108	4.5
117	MP4C	Mx	.021	4.5
118	M101	X	-35.626	1
119	M101	Z	61.707	1
120	M101	Mx	0	1
121	M105	X	-35.626	1
122	M105	Z	61.707	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-34.562	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	19.954	1.5
3	MP3A	Mx	.017	1.5
4	MP3A	X	-34.562	3.5
5	MP3A	Z	19.954	3.5
6	MP3A	Mx	.017	3.5
7	MP3B	X	-34.562	1.5
8	MP3B	Z	19.954	1.5
9	MP3B	Mx	-.017	1.5
10	MP3B	X	-34.562	3.5
11	MP3B	Z	19.954	3.5
12	MP3B	Mx	-.017	3.5
13	MP3C	X	-63.577	1.5
14	MP3C	Z	36.706	1.5
15	MP3C	Mx	0	1.5
16	MP3C	X	-63.577	3.5
17	MP3C	Z	36.706	3.5
18	MP3C	Mx	0	3.5
19	MP2A	X	-7.697	1.5
20	MP2A	Z	4.444	1.5
21	MP2A	Mx	-.004	1.5
22	MP2B	X	-7.697	1.5
23	MP2B	Z	4.444	1.5
24	MP2B	Mx	.004	1.5
25	MP2C	X	-10.01	1.5
26	MP2C	Z	5.779	1.5
27	MP2C	Mx	0	1.5
28	MP2A	X	-38.011	3
29	MP2A	Z	21.946	3
30	MP2A	Mx	-.019	3
31	MP2B	X	-38.011	3
32	MP2B	Z	21.946	3
33	MP2B	Mx	.019	3
34	MP2C	X	-50.591	3
35	MP2C	Z	29.209	3
36	MP2C	Mx	0	3
37	MP3A	X	-33.192	2.5
38	MP3A	Z	19.163	2.5
39	MP3A	Mx	-.017	2.5
40	MP3B	X	-33.192	2.5
41	MP3B	Z	19.163	2.5
42	MP3B	Mx	.017	2.5
43	MP3C	X	-50.591	2.5
44	MP3C	Z	29.209	2.5
45	MP3C	Mx	0	2.5
46	MP2A	X	-91.51	1
47	MP2A	Z	52.833	1
48	MP2A	Mx	.072	1
49	MP2A	X	-91.51	5
50	MP2A	Z	52.833	5
51	MP2A	Mx	.072	5
52	MP2B	X	-91.51	1
53	MP2B	Z	52.833	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP2B	Mx	-.019	1
55	MP2B	X	-91.51	5
56	MP2B	Z	52.833	5
57	MP2B	Mx	-.019	5
58	MP2C	X	-123.231	1
59	MP2C	Z	71.147	1
60	MP2C	Mx	-.071	1
61	MP2C	X	-123.231	5
62	MP2C	Z	71.147	5
63	MP2C	Mx	-.071	5
64	MP2A	X	-91.51	1
65	MP2A	Z	52.833	1
66	MP2A	Mx	.019	1
67	MP2A	X	-91.51	5
68	MP2A	Z	52.833	5
69	MP2A	Mx	.019	5
70	MP2B	X	-91.51	1
71	MP2B	Z	52.833	1
72	MP2B	Mx	-.072	1
73	MP2B	X	-91.51	5
74	MP2B	Z	52.833	5
75	MP2B	Mx	-.072	5
76	MP2C	X	-123.231	1
77	MP2C	Z	71.147	1
78	MP2C	Mx	.071	1
79	MP2C	X	-123.231	5
80	MP2C	Z	71.147	5
81	MP2C	Mx	.071	5
82	MP1A	X	-102.18	.5
83	MP1A	Z	58.993	.5
84	MP1A	Mx	.051	.5
85	MP1A	X	-102.18	4.5
86	MP1A	Z	58.993	4.5
87	MP1A	Mx	.051	4.5
88	MP1B	X	-102.18	.5
89	MP1B	Z	58.993	.5
90	MP1B	Mx	-.051	.5
91	MP1B	X	-102.18	4.5
92	MP1B	Z	58.993	4.5
93	MP1B	Mx	-.051	4.5
94	MP1C	X	-58.572	.5
95	MP1C	Z	33.816	.5
96	MP1C	Mx	0	.5
97	MP1C	X	-58.572	4.5
98	MP1C	Z	33.816	4.5
99	MP1C	Mx	0	4.5
100	MP4A	X	-102.18	.5
101	MP4A	Z	58.993	.5
102	MP4A	Mx	.051	.5
103	MP4A	X	-102.18	4.5
104	MP4A	Z	58.993	4.5
105	MP4A	Mx	.051	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4B	X	-102.18	.5
107	MP4B	Z	58.993	.5
108	MP4B	Mx	-.051	.5
109	MP4B	X	-102.18	4.5
110	MP4B	Z	58.993	4.5
111	MP4B	Mx	-.051	4.5
112	MP4C	X	-58.572	.5
113	MP4C	Z	33.816	.5
114	MP4C	Mx	0	.5
115	MP4C	X	-58.572	4.5
116	MP4C	Z	33.816	4.5
117	MP4C	Mx	0	4.5
118	M101	X	-49.85	1
119	M101	Z	28.781	1
120	M101	Mx	0	1
121	M105	X	-49.85	1
122	M105	Z	28.781	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-28.741	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.014	1.5
4	MP3A	X	-28.741	3.5
5	MP3A	Z	0	3.5
6	MP3A	Mx	.014	3.5
7	MP3B	X	-62.244	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	-.016	1.5
10	MP3B	X	-62.244	3.5
11	MP3B	Z	0	3.5
12	MP3B	Mx	-.016	3.5
13	MP3C	X	-62.244	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.016	1.5
16	MP3C	X	-62.244	3.5
17	MP3C	Z	0	3.5
18	MP3C	Mx	-.016	3.5
19	MP2A	X	-7.997	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.004	1.5
22	MP2B	X	-10.668	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.003	1.5
25	MP2C	X	-10.668	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.003	1.5
28	MP2A	X	-39.049	3
29	MP2A	Z	0	3
30	MP2A	Mx	-.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2B	X	-53.575	3
32	MP2B	Z	0	3
33	MP2B	Mx	.013	3
34	MP2C	X	-53.575	3
35	MP2C	Z	0	3
36	MP2C	Mx	.013	3
37	MP3A	X	-31.63	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	-.016	2.5
40	MP3B	X	-51.72	2.5
41	MP3B	Z	0	2.5
42	MP3B	Mx	.013	2.5
43	MP3C	X	-51.72	2.5
44	MP3C	Z	0	2.5
45	MP3C	Mx	.013	2.5
46	MP2A	X	-93.457	1
47	MP2A	Z	0	1
48	MP2A	Mx	.047	1
49	MP2A	X	-93.457	5
50	MP2A	Z	0	5
51	MP2A	Mx	.047	5
52	MP2B	X	-130.085	1
53	MP2B	Z	0	1
54	MP2B	Mx	.024	1
55	MP2B	X	-130.085	5
56	MP2B	Z	0	5
57	MP2B	Mx	.024	5
58	MP2C	X	-130.085	1
59	MP2C	Z	0	1
60	MP2C	Mx	-.089	1
61	MP2C	X	-130.085	5
62	MP2C	Z	0	5
63	MP2C	Mx	-.089	5
64	MP2A	X	-93.457	1
65	MP2A	Z	0	1
66	MP2A	Mx	.047	1
67	MP2A	X	-93.457	5
68	MP2A	Z	0	5
69	MP2A	Mx	.047	5
70	MP2B	X	-130.085	1
71	MP2B	Z	0	1
72	MP2B	Mx	-.089	1
73	MP2B	X	-130.085	5
74	MP2B	Z	0	5
75	MP2B	Mx	-.089	5
76	MP2C	X	-130.085	1
77	MP2C	Z	0	1
78	MP2C	Mx	.024	1
79	MP2C	X	-130.085	5
80	MP2C	Z	0	5
81	MP2C	Mx	.024	5
82	MP1A	X	-134.772	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	0	.5
84	MP1A	Mx	.067	.5
85	MP1A	X	-134.772	4.5
86	MP1A	Z	0	4.5
87	MP1A	Mx	.067	4.5
88	MP1B	X	-84.418	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	-.021	.5
91	MP1B	X	-84.418	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	-.021	4.5
94	MP1C	X	-84.418	.5
95	MP1C	Z	0	.5
96	MP1C	Mx	-.021	.5
97	MP1C	X	-84.418	4.5
98	MP1C	Z	0	4.5
99	MP1C	Mx	-.021	4.5
100	MP4A	X	-134.772	.5
101	MP4A	Z	0	.5
102	MP4A	Mx	.067	.5
103	MP4A	X	-134.772	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	.067	4.5
106	MP4B	X	-84.418	.5
107	MP4B	Z	0	.5
108	MP4B	Mx	-.021	.5
109	MP4B	X	-84.418	4.5
110	MP4B	Z	0	4.5
111	MP4B	Mx	-.021	4.5
112	MP4C	X	-84.418	.5
113	MP4C	Z	0	.5
114	MP4C	Mx	-.021	.5
115	MP4C	X	-84.418	4.5
116	MP4C	Z	0	4.5
117	MP4C	Mx	-.021	4.5
118	M101	X	-50.717	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M105	X	-50.717	1
122	M105	Z	0	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-34.562	1.5
2	MP3A	Z	-19.954	1.5
3	MP3A	Mx	.017	1.5
4	MP3A	X	-34.562	3.5
5	MP3A	Z	-19.954	3.5
6	MP3A	Mx	.017	3.5
7	MP3B	X	-63.577	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-36.706	1.5
9	MP3B	Mx	0	1.5
10	MP3B	X	-63.577	3.5
11	MP3B	Z	-36.706	3.5
12	MP3B	Mx	0	3.5
13	MP3C	X	-34.562	1.5
14	MP3C	Z	-19.954	1.5
15	MP3C	Mx	-.017	1.5
16	MP3C	X	-34.562	3.5
17	MP3C	Z	-19.954	3.5
18	MP3C	Mx	-.017	3.5
19	MP2A	X	-7.697	1.5
20	MP2A	Z	-4.444	1.5
21	MP2A	Mx	-.004	1.5
22	MP2B	X	-10.01	1.5
23	MP2B	Z	-5.779	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-7.697	1.5
26	MP2C	Z	-4.444	1.5
27	MP2C	Mx	.004	1.5
28	MP2A	X	-38.011	3
29	MP2A	Z	-21.946	3
30	MP2A	Mx	-.019	3
31	MP2B	X	-50.591	3
32	MP2B	Z	-29.209	3
33	MP2B	Mx	0	3
34	MP2C	X	-38.011	3
35	MP2C	Z	-21.946	3
36	MP2C	Mx	.019	3
37	MP3A	X	-33.192	2.5
38	MP3A	Z	-19.163	2.5
39	MP3A	Mx	-.017	2.5
40	MP3B	X	-50.591	2.5
41	MP3B	Z	-29.209	2.5
42	MP3B	Mx	0	2.5
43	MP3C	X	-33.192	2.5
44	MP3C	Z	-19.163	2.5
45	MP3C	Mx	.017	2.5
46	MP2A	X	-91.51	1
47	MP2A	Z	-52.833	1
48	MP2A	Mx	.019	1
49	MP2A	X	-91.51	5
50	MP2A	Z	-52.833	5
51	MP2A	Mx	.019	5
52	MP2B	X	-123.231	1
53	MP2B	Z	-71.147	1
54	MP2B	Mx	.071	1
55	MP2B	X	-123.231	5
56	MP2B	Z	-71.147	5
57	MP2B	Mx	.071	5
58	MP2C	X	-91.51	1
59	MP2C	Z	-52.833	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2C	Mx	-.072	1
61	MP2C	X	-91.51	5
62	MP2C	Z	-52.833	5
63	MP2C	Mx	-.072	5
64	MP2A	X	-91.51	1
65	MP2A	Z	-52.833	1
66	MP2A	Mx	.072	1
67	MP2A	X	-91.51	5
68	MP2A	Z	-52.833	5
69	MP2A	Mx	.072	5
70	MP2B	X	-123.231	1
71	MP2B	Z	-71.147	1
72	MP2B	Mx	-.071	1
73	MP2B	X	-123.231	5
74	MP2B	Z	-71.147	5
75	MP2B	Mx	-.071	5
76	MP2C	X	-91.51	1
77	MP2C	Z	-52.833	1
78	MP2C	Mx	-.019	1
79	MP2C	X	-91.51	5
80	MP2C	Z	-52.833	5
81	MP2C	Mx	-.019	5
82	MP1A	X	-102.18	.5
83	MP1A	Z	-58.993	.5
84	MP1A	Mx	.051	.5
85	MP1A	X	-102.18	4.5
86	MP1A	Z	-58.993	4.5
87	MP1A	Mx	.051	4.5
88	MP1B	X	-58.572	.5
89	MP1B	Z	-33.816	.5
90	MP1B	Mx	0	.5
91	MP1B	X	-58.572	4.5
92	MP1B	Z	-33.816	4.5
93	MP1B	Mx	0	4.5
94	MP1C	X	-102.18	.5
95	MP1C	Z	-58.993	.5
96	MP1C	Mx	-.051	.5
97	MP1C	X	-102.18	4.5
98	MP1C	Z	-58.993	4.5
99	MP1C	Mx	-.051	4.5
100	MP4A	X	-102.18	.5
101	MP4A	Z	-58.993	.5
102	MP4A	Mx	.051	.5
103	MP4A	X	-102.18	4.5
104	MP4A	Z	-58.993	4.5
105	MP4A	Mx	.051	4.5
106	MP4B	X	-58.572	.5
107	MP4B	Z	-33.816	.5
108	MP4B	Mx	0	.5
109	MP4B	X	-58.572	4.5
110	MP4B	Z	-33.816	4.5
111	MP4B	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
112	MP4C	X	-102.18	.5
113	MP4C	Z	-58.993	.5
114	MP4C	Mx	-.051	.5
115	MP4C	X	-102.18	4.5
116	MP4C	Z	-58.993	4.5
117	MP4C	Mx	-.051	4.5
118	M101	X	-49.85	1
119	M101	Z	-28.781	1
120	M101	Mx	0	1
121	M105	X	-49.85	1
122	M105	Z	-28.781	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-31.122	1.5
2	MP3A	Z	-53.905	1.5
3	MP3A	Mx	.016	1.5
4	MP3A	X	-31.122	3.5
5	MP3A	Z	-53.905	3.5
6	MP3A	Mx	.016	3.5
7	MP3B	X	-31.122	1.5
8	MP3B	Z	-53.905	1.5
9	MP3B	Mx	.016	1.5
10	MP3B	X	-31.122	3.5
11	MP3B	Z	-53.905	3.5
12	MP3B	Mx	.016	3.5
13	MP3C	X	-14.37	1.5
14	MP3C	Z	-24.89	1.5
15	MP3C	Mx	-.014	1.5
16	MP3C	X	-14.37	3.5
17	MP3C	Z	-24.89	3.5
18	MP3C	Mx	-.014	3.5
19	MP2A	X	-5.334	1.5
20	MP2A	Z	-9.239	1.5
21	MP2A	Mx	-.003	1.5
22	MP2B	X	-5.334	1.5
23	MP2B	Z	-9.239	1.5
24	MP2B	Mx	-.003	1.5
25	MP2C	X	-3.999	1.5
26	MP2C	Z	-6.926	1.5
27	MP2C	Mx	.004	1.5
28	MP2A	X	-26.788	3
29	MP2A	Z	-46.398	3
30	MP2A	Mx	-.013	3
31	MP2B	X	-26.788	3
32	MP2B	Z	-46.398	3
33	MP2B	Mx	-.013	3
34	MP2C	X	-19.525	3
35	MP2C	Z	-33.817	3
36	MP2C	Mx	.02	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	-25.86	2.5
38	MP3A	Z	-44.791	2.5
39	MP3A	Mx	-.013	2.5
40	MP3B	X	-25.86	2.5
41	MP3B	Z	-44.791	2.5
42	MP3B	Mx	-.013	2.5
43	MP3C	X	-15.815	2.5
44	MP3C	Z	-27.392	2.5
45	MP3C	Mx	.016	2.5
46	MP2A	X	-65.043	1
47	MP2A	Z	-112.657	1
48	MP2A	Mx	-.024	1
49	MP2A	X	-65.043	5
50	MP2A	Z	-112.657	5
51	MP2A	Mx	-.024	5
52	MP2B	X	-65.043	1
53	MP2B	Z	-112.657	1
54	MP2B	Mx	.089	1
55	MP2B	X	-65.043	5
56	MP2B	Z	-112.657	5
57	MP2B	Mx	.089	5
58	MP2C	X	-46.729	1
59	MP2C	Z	-80.936	1
60	MP2C	Mx	-.047	1
61	MP2C	X	-46.729	5
62	MP2C	Z	-80.936	5
63	MP2C	Mx	-.047	5
64	MP2A	X	-65.043	1
65	MP2A	Z	-112.657	1
66	MP2A	Mx	.089	1
67	MP2A	X	-65.043	5
68	MP2A	Z	-112.657	5
69	MP2A	Mx	.089	5
70	MP2B	X	-65.043	1
71	MP2B	Z	-112.657	1
72	MP2B	Mx	-.024	1
73	MP2B	X	-65.043	5
74	MP2B	Z	-112.657	5
75	MP2B	Mx	-.024	5
76	MP2C	X	-46.729	1
77	MP2C	Z	-80.936	1
78	MP2C	Mx	-.047	1
79	MP2C	X	-46.729	5
80	MP2C	Z	-80.936	5
81	MP2C	Mx	-.047	5
82	MP1A	X	-42.209	.5
83	MP1A	Z	-73.108	.5
84	MP1A	Mx	.021	.5
85	MP1A	X	-42.209	4.5
86	MP1A	Z	-73.108	4.5
87	MP1A	Mx	.021	4.5
88	MP1B	X	-42.209	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1B	Z	-73.108	.5
90	MP1B	Mx	.021	.5
91	MP1B	X	-42.209	4.5
92	MP1B	Z	-73.108	4.5
93	MP1B	Mx	.021	4.5
94	MP1C	X	-67.386	.5
95	MP1C	Z	-116.716	.5
96	MP1C	Mx	-.067	.5
97	MP1C	X	-67.386	4.5
98	MP1C	Z	-116.716	4.5
99	MP1C	Mx	-.067	4.5
100	MP4A	X	-42.209	.5
101	MP4A	Z	-73.108	.5
102	MP4A	Mx	.021	.5
103	MP4A	X	-42.209	4.5
104	MP4A	Z	-73.108	4.5
105	MP4A	Mx	.021	4.5
106	MP4B	X	-42.209	.5
107	MP4B	Z	-73.108	.5
108	MP4B	Mx	.021	.5
109	MP4B	X	-42.209	4.5
110	MP4B	Z	-73.108	4.5
111	MP4B	Mx	.021	4.5
112	MP4C	X	-67.386	.5
113	MP4C	Z	-116.716	.5
114	MP4C	Mx	-.067	.5
115	MP4C	X	-67.386	4.5
116	MP4C	Z	-116.716	4.5
117	MP4C	Mx	-.067	4.5
118	M101	X	-35.626	1
119	M101	Z	-61.707	1
120	M101	Mx	0	1
121	M105	X	-35.626	1
122	M105	Z	-61.707	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	-15.467	1.5
3	MP3A	Mx	0	1.5
4	MP3A	X	0	3.5
5	MP3A	Z	-15.467	3.5
6	MP3A	Mx	0	3.5
7	MP3B	X	0	1.5
8	MP3B	Z	-9.006	1.5
9	MP3B	Mx	.004	1.5
10	MP3B	X	0	3.5
11	MP3B	Z	-9.006	3.5
12	MP3B	Mx	.004	3.5
13	MP3C	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3C	Z	-9.006	1.5
15	MP3C	Mx	-.004	1.5
16	MP3C	X	0	3.5
17	MP3C	Z	-9.006	3.5
18	MP3C	Mx	-.004	3.5
19	MP2A	X	0	1.5
20	MP2A	Z	-3.547	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	-2.94	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-2.94	1.5
27	MP2C	Mx	.001	1.5
28	MP2A	X	0	3
29	MP2A	Z	-13.376	3
30	MP2A	Mx	0	3
31	MP2B	X	0	3
32	MP2B	Z	-10.45	3
33	MP2B	Mx	-.005	3
34	MP2C	X	0	3
35	MP2C	Z	-10.45	3
36	MP2C	Mx	.005	3
37	MP3A	X	0	2.5
38	MP3A	Z	-13.376	2.5
39	MP3A	Mx	0	2.5
40	MP3B	X	0	2.5
41	MP3B	Z	-9.338	2.5
42	MP3B	Mx	-.004	2.5
43	MP3C	X	0	2.5
44	MP3C	Z	-9.338	2.5
45	MP3C	Mx	.004	2.5
46	MP2A	X	0	1
47	MP2A	Z	-28.723	1
48	MP2A	Mx	-.014	1
49	MP2A	X	0	5
50	MP2A	Z	-28.723	5
51	MP2A	Mx	-.014	5
52	MP2B	X	0	1
53	MP2B	Z	-22.077	1
54	MP2B	Mx	.015	1
55	MP2B	X	0	5
56	MP2B	Z	-22.077	5
57	MP2B	Mx	.015	5
58	MP2C	X	0	1
59	MP2C	Z	-22.077	1
60	MP2C	Mx	-.004	1
61	MP2C	X	0	5
62	MP2C	Z	-22.077	5
63	MP2C	Mx	-.004	5
64	MP2A	X	0	1
65	MP2A	Z	-28.723	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	.014	1
67	MP2A	X	0	5
68	MP2A	Z	-28.723	5
69	MP2A	Mx	.014	5
70	MP2B	X	0	1
71	MP2B	Z	-22.077	1
72	MP2B	Mx	.004	1
73	MP2B	X	0	5
74	MP2B	Z	-22.077	5
75	MP2B	Mx	.004	5
76	MP2C	X	0	1
77	MP2C	Z	-22.077	1
78	MP2C	Mx	-.015	1
79	MP2C	X	0	5
80	MP2C	Z	-22.077	5
81	MP2C	Mx	-.015	5
82	MP1A	X	0	.5
83	MP1A	Z	-15.092	.5
84	MP1A	Mx	0	.5
85	MP1A	X	0	4.5
86	MP1A	Z	-15.092	4.5
87	MP1A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	-24.254	.5
90	MP1B	Mx	.011	.5
91	MP1B	X	0	4.5
92	MP1B	Z	-24.254	4.5
93	MP1B	Mx	.011	4.5
94	MP1C	X	0	.5
95	MP1C	Z	-24.254	.5
96	MP1C	Mx	-.011	.5
97	MP1C	X	0	4.5
98	MP1C	Z	-24.254	4.5
99	MP1C	Mx	-.011	4.5
100	MP4A	X	0	.5
101	MP4A	Z	-15.092	.5
102	MP4A	Mx	0	.5
103	MP4A	X	0	4.5
104	MP4A	Z	-15.092	4.5
105	MP4A	Mx	0	4.5
106	MP4B	X	0	.5
107	MP4B	Z	-24.254	.5
108	MP4B	Mx	.011	.5
109	MP4B	X	0	4.5
110	MP4B	Z	-24.254	4.5
111	MP4B	Mx	.011	4.5
112	MP4C	X	0	.5
113	MP4C	Z	-24.254	.5
114	MP4C	Mx	-.011	.5
115	MP4C	X	0	4.5
116	MP4C	Z	-24.254	4.5
117	MP4C	Mx	-.011	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
118	M101	X	0	1
119	M101	Z	-17.253	1
120	M101	Mx	0	1
121	M105	X	0	1
122	M105	Z	-17.253	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.657	1.5
2	MP3A	Z	-11.53	1.5
3	MP3A	Mx	-.003	1.5
4	MP3A	X	6.657	3.5
5	MP3A	Z	-11.53	3.5
6	MP3A	Mx	-.003	3.5
7	MP3B	X	3.426	1.5
8	MP3B	Z	-5.934	1.5
9	MP3B	Mx	.003	1.5
10	MP3B	X	3.426	3.5
11	MP3B	Z	-5.934	3.5
12	MP3B	Mx	.003	3.5
13	MP3C	X	6.657	1.5
14	MP3C	Z	-11.53	1.5
15	MP3C	Mx	-.003	1.5
16	MP3C	X	6.657	3.5
17	MP3C	Z	-11.53	3.5
18	MP3C	Mx	-.003	3.5
19	MP2A	X	1.672	1.5
20	MP2A	Z	-2.896	1.5
21	MP2A	Mx	.000836	1.5
22	MP2B	X	1.369	1.5
23	MP2B	Z	-2.371	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	1.672	1.5
26	MP2C	Z	-2.896	1.5
27	MP2C	Mx	.000836	1.5
28	MP2A	X	6.2	3
29	MP2A	Z	-10.739	3
30	MP2A	Mx	.003	3
31	MP2B	X	4.737	3
32	MP2B	Z	-8.205	3
33	MP2B	Mx	-.005	3
34	MP2C	X	6.2	3
35	MP2C	Z	-10.739	3
36	MP2C	Mx	.003	3
37	MP3A	X	6.015	2.5
38	MP3A	Z	-10.418	2.5
39	MP3A	Mx	.003	2.5
40	MP3B	X	3.996	2.5
41	MP3B	Z	-6.921	2.5
42	MP3B	Mx	-.004	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3C	X	6.015	2.5
44	MP3C	Z	-10.418	2.5
45	MP3C	Mx	.003	2.5
46	MP2A	X	13.254	1
47	MP2A	Z	-22.956	1
48	MP2A	Mx	-.018	1
49	MP2A	X	13.254	5
50	MP2A	Z	-22.956	5
51	MP2A	Mx	-.018	5
52	MP2B	X	9.931	1
53	MP2B	Z	-17.2	1
54	MP2B	Mx	.01	1
55	MP2B	X	9.931	5
56	MP2B	Z	-17.2	5
57	MP2B	Mx	.01	5
58	MP2C	X	13.254	1
59	MP2C	Z	-22.956	1
60	MP2C	Mx	.005	1
61	MP2C	X	13.254	5
62	MP2C	Z	-22.956	5
63	MP2C	Mx	.005	5
64	MP2A	X	13.254	1
65	MP2A	Z	-22.956	1
66	MP2A	Mx	.005	1
67	MP2A	X	13.254	5
68	MP2A	Z	-22.956	5
69	MP2A	Mx	.005	5
70	MP2B	X	9.931	1
71	MP2B	Z	-17.2	1
72	MP2B	Mx	.01	1
73	MP2B	X	9.931	5
74	MP2B	Z	-17.2	5
75	MP2B	Mx	.01	5
76	MP2C	X	13.254	1
77	MP2C	Z	-22.956	1
78	MP2C	Mx	-.018	1
79	MP2C	X	13.254	5
80	MP2C	Z	-22.956	5
81	MP2C	Mx	-.018	5
82	MP1A	X	9.073	.5
83	MP1A	Z	-15.715	.5
84	MP1A	Mx	-.005	.5
85	MP1A	X	9.073	4.5
86	MP1A	Z	-15.715	4.5
87	MP1A	Mx	-.005	4.5
88	MP1B	X	13.654	.5
89	MP1B	Z	-23.649	.5
90	MP1B	Mx	.014	.5
91	MP1B	X	13.654	4.5
92	MP1B	Z	-23.649	4.5
93	MP1B	Mx	.014	4.5
94	MP1C	X	9.073	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP1C	Z	-15.715	.5
96	MP1C	Mx	-.005	.5
97	MP1C	X	9.073	4.5
98	MP1C	Z	-15.715	4.5
99	MP1C	Mx	-.005	4.5
100	MP4A	X	9.073	.5
101	MP4A	Z	-15.715	.5
102	MP4A	Mx	-.005	.5
103	MP4A	X	9.073	4.5
104	MP4A	Z	-15.715	4.5
105	MP4A	Mx	-.005	4.5
106	MP4B	X	13.654	.5
107	MP4B	Z	-23.649	.5
108	MP4B	Mx	.014	.5
109	MP4B	X	13.654	4.5
110	MP4B	Z	-23.649	4.5
111	MP4B	Mx	.014	4.5
112	MP4C	X	9.073	.5
113	MP4C	Z	-15.715	.5
114	MP4C	Mx	-.005	.5
115	MP4C	X	9.073	4.5
116	MP4C	Z	-15.715	4.5
117	MP4C	Mx	-.005	4.5
118	M101	X	7.961	1
119	M101	Z	-13.788	1
120	M101	Mx	0	1
121	M105	X	7.961	1
122	M105	Z	-13.788	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.799	1.5
2	MP3A	Z	-4.503	1.5
3	MP3A	Mx	-.004	1.5
4	MP3A	X	7.799	3.5
5	MP3A	Z	-4.503	3.5
6	MP3A	Mx	-.004	3.5
7	MP3B	X	7.799	1.5
8	MP3B	Z	-4.503	1.5
9	MP3B	Mx	.004	1.5
10	MP3B	X	7.799	3.5
11	MP3B	Z	-4.503	3.5
12	MP3B	Mx	.004	3.5
13	MP3C	X	13.395	1.5
14	MP3C	Z	-7.733	1.5
15	MP3C	Mx	0	1.5
16	MP3C	X	13.395	3.5
17	MP3C	Z	-7.733	3.5
18	MP3C	Mx	0	3.5
19	MP2A	X	2.546	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	-1.47	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	2.546	1.5
23	MP2B	Z	-1.47	1.5
24	MP2B	Mx	-.001	1.5
25	MP2C	X	3.072	1.5
26	MP2C	Z	-1.773	1.5
27	MP2C	Mx	0	1.5
28	MP2A	X	9.05	3
29	MP2A	Z	-5.225	3
30	MP2A	Mx	.005	3
31	MP2B	X	9.05	3
32	MP2B	Z	-5.225	3
33	MP2B	Mx	-.005	3
34	MP2C	X	11.584	3
35	MP2C	Z	-6.688	3
36	MP2C	Mx	0	3
37	MP3A	X	8.087	2.5
38	MP3A	Z	-4.669	2.5
39	MP3A	Mx	.004	2.5
40	MP3B	X	8.087	2.5
41	MP3B	Z	-4.669	2.5
42	MP3B	Mx	-.004	2.5
43	MP3C	X	11.584	2.5
44	MP3C	Z	-6.688	2.5
45	MP3C	Mx	0	2.5
46	MP2A	X	19.119	1
47	MP2A	Z	-11.038	1
48	MP2A	Mx	-.015	1
49	MP2A	X	19.119	5
50	MP2A	Z	-11.038	5
51	MP2A	Mx	-.015	5
52	MP2B	X	19.119	1
53	MP2B	Z	-11.038	1
54	MP2B	Mx	.004	1
55	MP2B	X	19.119	5
56	MP2B	Z	-11.038	5
57	MP2B	Mx	.004	5
58	MP2C	X	24.875	1
59	MP2C	Z	-14.362	1
60	MP2C	Mx	.014	1
61	MP2C	X	24.875	5
62	MP2C	Z	-14.362	5
63	MP2C	Mx	.014	5
64	MP2A	X	19.119	1
65	MP2A	Z	-11.038	1
66	MP2A	Mx	-.004	1
67	MP2A	X	19.119	5
68	MP2A	Z	-11.038	5
69	MP2A	Mx	-.004	5
70	MP2B	X	19.119	1
71	MP2B	Z	-11.038	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2B	Mx	.015	1
73	MP2B	X	19.119	5
74	MP2B	Z	-11.038	5
75	MP2B	Mx	.015	5
76	MP2C	X	24.875	1
77	MP2C	Z	-14.362	1
78	MP2C	Mx	-.014	1
79	MP2C	X	24.875	5
80	MP2C	Z	-14.362	5
81	MP2C	Mx	-.014	5
82	MP1A	X	21.004	.5
83	MP1A	Z	-12.127	.5
84	MP1A	Mx	-.011	.5
85	MP1A	X	21.004	4.5
86	MP1A	Z	-12.127	4.5
87	MP1A	Mx	-.011	4.5
88	MP1B	X	21.004	.5
89	MP1B	Z	-12.127	.5
90	MP1B	Mx	.011	.5
91	MP1B	X	21.004	4.5
92	MP1B	Z	-12.127	4.5
93	MP1B	Mx	.011	4.5
94	MP1C	X	13.07	.5
95	MP1C	Z	-7.546	.5
96	MP1C	Mx	0	.5
97	MP1C	X	13.07	4.5
98	MP1C	Z	-7.546	4.5
99	MP1C	Mx	0	4.5
100	MP4A	X	21.004	.5
101	MP4A	Z	-12.127	.5
102	MP4A	Mx	-.011	.5
103	MP4A	X	21.004	4.5
104	MP4A	Z	-12.127	4.5
105	MP4A	Mx	-.011	4.5
106	MP4B	X	21.004	.5
107	MP4B	Z	-12.127	.5
108	MP4B	Mx	.011	.5
109	MP4B	X	21.004	4.5
110	MP4B	Z	-12.127	4.5
111	MP4B	Mx	.011	4.5
112	MP4C	X	13.07	.5
113	MP4C	Z	-7.546	.5
114	MP4C	Mx	0	.5
115	MP4C	X	13.07	4.5
116	MP4C	Z	-7.546	4.5
117	MP4C	Mx	0	4.5
118	M101	X	11.481	1
119	M101	Z	-6.629	1
120	M101	Mx	0	1
121	M105	X	11.481	1
122	M105	Z	-6.629	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.852	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.003	1.5
4	MP3A	X	6.852	3.5
5	MP3A	Z	0	3.5
6	MP3A	Mx	-.003	3.5
7	MP3B	X	13.313	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	.003	1.5
10	MP3B	X	13.313	3.5
11	MP3B	Z	0	3.5
12	MP3B	Mx	.003	3.5
13	MP3C	X	13.313	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.003	1.5
16	MP3C	X	13.313	3.5
17	MP3C	Z	0	3.5
18	MP3C	Mx	.003	3.5
19	MP2A	X	2.738	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	3.345	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.000836	1.5
25	MP2C	X	3.345	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.000836	1.5
28	MP2A	X	9.475	3
29	MP2A	Z	0	3
30	MP2A	Mx	.005	3
31	MP2B	X	12.401	3
32	MP2B	Z	0	3
33	MP2B	Mx	-.003	3
34	MP2C	X	12.401	3
35	MP2C	Z	0	3
36	MP2C	Mx	-.003	3
37	MP3A	X	7.992	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	.004	2.5
40	MP3B	X	12.03	2.5
41	MP3B	Z	0	2.5
42	MP3B	Mx	-.003	2.5
43	MP3C	X	12.03	2.5
44	MP3C	Z	0	2.5
45	MP3C	Mx	-.003	2.5
46	MP2A	X	19.861	1
47	MP2A	Z	0	1
48	MP2A	Mx	-.01	1
49	MP2A	X	19.861	5
50	MP2A	Z	0	5
51	MP2A	Mx	-.01	5
52	MP2B	X	26.508	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	0	1
54	MP2B	Mx	-.005	1
55	MP2B	X	26.508	5
56	MP2B	Z	0	5
57	MP2B	Mx	-.005	5
58	MP2C	X	26.508	1
59	MP2C	Z	0	1
60	MP2C	Mx	.018	1
61	MP2C	X	26.508	5
62	MP2C	Z	0	5
63	MP2C	Mx	.018	5
64	MP2A	X	19.861	1
65	MP2A	Z	0	1
66	MP2A	Mx	-.01	1
67	MP2A	X	19.861	5
68	MP2A	Z	0	5
69	MP2A	Mx	-.01	5
70	MP2B	X	26.508	1
71	MP2B	Z	0	1
72	MP2B	Mx	.018	1
73	MP2B	X	26.508	5
74	MP2B	Z	0	5
75	MP2B	Mx	.018	5
76	MP2C	X	26.508	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.005	1
79	MP2C	X	26.508	5
80	MP2C	Z	0	5
81	MP2C	Mx	-.005	5
82	MP1A	X	27.307	.5
83	MP1A	Z	0	.5
84	MP1A	Mx	-.014	.5
85	MP1A	X	27.307	4.5
86	MP1A	Z	0	4.5
87	MP1A	Mx	-.014	4.5
88	MP1B	X	18.146	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	.005	.5
91	MP1B	X	18.146	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	.005	4.5
94	MP1C	X	18.146	.5
95	MP1C	Z	0	.5
96	MP1C	Mx	.005	.5
97	MP1C	X	18.146	4.5
98	MP1C	Z	0	4.5
99	MP1C	Mx	.005	4.5
100	MP4A	X	27.307	.5
101	MP4A	Z	0	.5
102	MP4A	Mx	-.014	.5
103	MP4A	X	27.307	4.5
104	MP4A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP4A	Mx	-.014	4.5
106	MP4B	X	18.146	.5
107	MP4B	Z	0	.5
108	MP4B	Mx	.005	.5
109	MP4B	X	18.146	4.5
110	MP4B	Z	0	4.5
111	MP4B	Mx	.005	4.5
112	MP4C	X	18.146	.5
113	MP4C	Z	0	.5
114	MP4C	Mx	.005	.5
115	MP4C	X	18.146	4.5
116	MP4C	Z	0	4.5
117	MP4C	Mx	.005	4.5
118	M101	X	11.925	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M105	X	11.925	1
122	M105	Z	0	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	7.799	1.5
2	MP3A	Z	4.503	1.5
3	MP3A	Mx	-.004	1.5
4	MP3A	X	7.799	3.5
5	MP3A	Z	4.503	3.5
6	MP3A	Mx	-.004	3.5
7	MP3B	X	13.395	1.5
8	MP3B	Z	7.733	1.5
9	MP3B	Mx	0	1.5
10	MP3B	X	13.395	3.5
11	MP3B	Z	7.733	3.5
12	MP3B	Mx	0	3.5
13	MP3C	X	7.799	1.5
14	MP3C	Z	4.503	1.5
15	MP3C	Mx	.004	1.5
16	MP3C	X	7.799	3.5
17	MP3C	Z	4.503	3.5
18	MP3C	Mx	.004	3.5
19	MP2A	X	2.546	1.5
20	MP2A	Z	1.47	1.5
21	MP2A	Mx	.001	1.5
22	MP2B	X	3.072	1.5
23	MP2B	Z	1.773	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	2.546	1.5
26	MP2C	Z	1.47	1.5
27	MP2C	Mx	-.001	1.5
28	MP2A	X	9.05	3
29	MP2A	Z	5.225	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2A	Mx	.005	3
31	MP2B	X	11.584	3
32	MP2B	Z	6.688	3
33	MP2B	Mx	0	3
34	MP2C	X	9.05	3
35	MP2C	Z	5.225	3
36	MP2C	Mx	-.005	3
37	MP3A	X	8.087	2.5
38	MP3A	Z	4.669	2.5
39	MP3A	Mx	.004	2.5
40	MP3B	X	11.584	2.5
41	MP3B	Z	6.688	2.5
42	MP3B	Mx	0	2.5
43	MP3C	X	8.087	2.5
44	MP3C	Z	4.669	2.5
45	MP3C	Mx	-.004	2.5
46	MP2A	X	19.119	1
47	MP2A	Z	11.038	1
48	MP2A	Mx	-.004	1
49	MP2A	X	19.119	5
50	MP2A	Z	11.038	5
51	MP2A	Mx	-.004	5
52	MP2B	X	24.875	1
53	MP2B	Z	14.362	1
54	MP2B	Mx	-.014	1
55	MP2B	X	24.875	5
56	MP2B	Z	14.362	5
57	MP2B	Mx	-.014	5
58	MP2C	X	19.119	1
59	MP2C	Z	11.038	1
60	MP2C	Mx	.015	1
61	MP2C	X	19.119	5
62	MP2C	Z	11.038	5
63	MP2C	Mx	.015	5
64	MP2A	X	19.119	1
65	MP2A	Z	11.038	1
66	MP2A	Mx	-.015	1
67	MP2A	X	19.119	5
68	MP2A	Z	11.038	5
69	MP2A	Mx	-.015	5
70	MP2B	X	24.875	1
71	MP2B	Z	14.362	1
72	MP2B	Mx	.014	1
73	MP2B	X	24.875	5
74	MP2B	Z	14.362	5
75	MP2B	Mx	.014	5
76	MP2C	X	19.119	1
77	MP2C	Z	11.038	1
78	MP2C	Mx	.004	1
79	MP2C	X	19.119	5
80	MP2C	Z	11.038	5
81	MP2C	Mx	.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	21.004	.5
83	MP1A	Z	12.127	.5
84	MP1A	Mx	-.011	.5
85	MP1A	X	21.004	4.5
86	MP1A	Z	12.127	4.5
87	MP1A	Mx	-.011	4.5
88	MP1B	X	13.07	.5
89	MP1B	Z	7.546	.5
90	MP1B	Mx	0	.5
91	MP1B	X	13.07	4.5
92	MP1B	Z	7.546	4.5
93	MP1B	Mx	0	4.5
94	MP1C	X	21.004	.5
95	MP1C	Z	12.127	.5
96	MP1C	Mx	.011	.5
97	MP1C	X	21.004	4.5
98	MP1C	Z	12.127	4.5
99	MP1C	Mx	.011	4.5
100	MP4A	X	21.004	.5
101	MP4A	Z	12.127	.5
102	MP4A	Mx	-.011	.5
103	MP4A	X	21.004	4.5
104	MP4A	Z	12.127	4.5
105	MP4A	Mx	-.011	4.5
106	MP4B	X	13.07	.5
107	MP4B	Z	7.546	.5
108	MP4B	Mx	0	.5
109	MP4B	X	13.07	4.5
110	MP4B	Z	7.546	4.5
111	MP4B	Mx	0	4.5
112	MP4C	X	21.004	.5
113	MP4C	Z	12.127	.5
114	MP4C	Mx	.011	.5
115	MP4C	X	21.004	4.5
116	MP4C	Z	12.127	4.5
117	MP4C	Mx	.011	4.5
118	M101	X	11.481	1
119	M101	Z	6.629	1
120	M101	Mx	0	1
121	M105	X	11.481	1
122	M105	Z	6.629	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.657	1.5
2	MP3A	Z	11.53	1.5
3	MP3A	Mx	-.003	1.5
4	MP3A	X	6.657	3.5
5	MP3A	Z	11.53	3.5
6	MP3A	Mx	-.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	X	6.657	1.5
8	MP3B	Z	11.53	1.5
9	MP3B	Mx	-.003	1.5
10	MP3B	X	6.657	3.5
11	MP3B	Z	11.53	3.5
12	MP3B	Mx	-.003	3.5
13	MP3C	X	3.426	1.5
14	MP3C	Z	5.934	1.5
15	MP3C	Mx	.003	1.5
16	MP3C	X	3.426	3.5
17	MP3C	Z	5.934	3.5
18	MP3C	Mx	.003	3.5
19	MP2A	X	1.672	1.5
20	MP2A	Z	2.896	1.5
21	MP2A	Mx	.000836	1.5
22	MP2B	X	1.672	1.5
23	MP2B	Z	2.896	1.5
24	MP2B	Mx	.000836	1.5
25	MP2C	X	1.369	1.5
26	MP2C	Z	2.371	1.5
27	MP2C	Mx	-.001	1.5
28	MP2A	X	6.2	3
29	MP2A	Z	10.739	3
30	MP2A	Mx	.003	3
31	MP2B	X	6.2	3
32	MP2B	Z	10.739	3
33	MP2B	Mx	.003	3
34	MP2C	X	4.737	3
35	MP2C	Z	8.205	3
36	MP2C	Mx	-.005	3
37	MP3A	X	6.015	2.5
38	MP3A	Z	10.418	2.5
39	MP3A	Mx	.003	2.5
40	MP3B	X	6.015	2.5
41	MP3B	Z	10.418	2.5
42	MP3B	Mx	.003	2.5
43	MP3C	X	3.996	2.5
44	MP3C	Z	6.921	2.5
45	MP3C	Mx	-.004	2.5
46	MP2A	X	13.254	1
47	MP2A	Z	22.956	1
48	MP2A	Mx	.005	1
49	MP2A	X	13.254	5
50	MP2A	Z	22.956	5
51	MP2A	Mx	.005	5
52	MP2B	X	13.254	1
53	MP2B	Z	22.956	1
54	MP2B	Mx	-.018	1
55	MP2B	X	13.254	5
56	MP2B	Z	22.956	5
57	MP2B	Mx	-.018	5
58	MP2C	X	9.931	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2C	Z	17.2	1
60	MP2C	Mx	.01	1
61	MP2C	X	9.931	5
62	MP2C	Z	17.2	5
63	MP2C	Mx	.01	5
64	MP2A	X	13.254	1
65	MP2A	Z	22.956	1
66	MP2A	Mx	-.018	1
67	MP2A	X	13.254	5
68	MP2A	Z	22.956	5
69	MP2A	Mx	-.018	5
70	MP2B	X	13.254	1
71	MP2B	Z	22.956	1
72	MP2B	Mx	.005	1
73	MP2B	X	13.254	5
74	MP2B	Z	22.956	5
75	MP2B	Mx	.005	5
76	MP2C	X	9.931	1
77	MP2C	Z	17.2	1
78	MP2C	Mx	.01	1
79	MP2C	X	9.931	5
80	MP2C	Z	17.2	5
81	MP2C	Mx	.01	5
82	MP1A	X	9.073	.5
83	MP1A	Z	15.715	.5
84	MP1A	Mx	-.005	.5
85	MP1A	X	9.073	4.5
86	MP1A	Z	15.715	4.5
87	MP1A	Mx	-.005	4.5
88	MP1B	X	9.073	.5
89	MP1B	Z	15.715	.5
90	MP1B	Mx	-.005	.5
91	MP1B	X	9.073	4.5
92	MP1B	Z	15.715	4.5
93	MP1B	Mx	-.005	4.5
94	MP1C	X	13.654	.5
95	MP1C	Z	23.649	.5
96	MP1C	Mx	.014	.5
97	MP1C	X	13.654	4.5
98	MP1C	Z	23.649	4.5
99	MP1C	Mx	.014	4.5
100	MP4A	X	9.073	.5
101	MP4A	Z	15.715	.5
102	MP4A	Mx	-.005	.5
103	MP4A	X	9.073	4.5
104	MP4A	Z	15.715	4.5
105	MP4A	Mx	-.005	4.5
106	MP4B	X	9.073	.5
107	MP4B	Z	15.715	.5
108	MP4B	Mx	-.005	.5
109	MP4B	X	9.073	4.5
110	MP4B	Z	15.715	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP4B	Mx	-.005	4.5
112	MP4C	X	13.654	.5
113	MP4C	Z	23.649	.5
114	MP4C	Mx	.014	.5
115	MP4C	X	13.654	4.5
116	MP4C	Z	23.649	4.5
117	MP4C	Mx	.014	4.5
118	M101	X	7.961	1
119	M101	Z	13.788	1
120	M101	Mx	0	1
121	M105	X	7.961	1
122	M105	Z	13.788	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	15.467	1.5
3	MP3A	Mx	0	1.5
4	MP3A	X	0	3.5
5	MP3A	Z	15.467	3.5
6	MP3A	Mx	0	3.5
7	MP3B	X	0	1.5
8	MP3B	Z	9.006	1.5
9	MP3B	Mx	-.004	1.5
10	MP3B	X	0	3.5
11	MP3B	Z	9.006	3.5
12	MP3B	Mx	-.004	3.5
13	MP3C	X	0	1.5
14	MP3C	Z	9.006	1.5
15	MP3C	Mx	.004	1.5
16	MP3C	X	0	3.5
17	MP3C	Z	9.006	3.5
18	MP3C	Mx	.004	3.5
19	MP2A	X	0	1.5
20	MP2A	Z	3.547	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	2.94	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	2.94	1.5
27	MP2C	Mx	-.001	1.5
28	MP2A	X	0	3
29	MP2A	Z	13.376	3
30	MP2A	Mx	0	3
31	MP2B	X	0	3
32	MP2B	Z	10.45	3
33	MP2B	Mx	.005	3
34	MP2C	X	0	3
35	MP2C	Z	10.45	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.005	3
37	MP3A	X	0	2.5
38	MP3A	Z	13.376	2.5
39	MP3A	Mx	0	2.5
40	MP3B	X	0	2.5
41	MP3B	Z	9.338	2.5
42	MP3B	Mx	.004	2.5
43	MP3C	X	0	2.5
44	MP3C	Z	9.338	2.5
45	MP3C	Mx	-.004	2.5
46	MP2A	X	0	1
47	MP2A	Z	28.723	1
48	MP2A	Mx	.014	1
49	MP2A	X	0	5
50	MP2A	Z	28.723	5
51	MP2A	Mx	.014	5
52	MP2B	X	0	1
53	MP2B	Z	22.077	1
54	MP2B	Mx	-.015	1
55	MP2B	X	0	5
56	MP2B	Z	22.077	5
57	MP2B	Mx	-.015	5
58	MP2C	X	0	1
59	MP2C	Z	22.077	1
60	MP2C	Mx	.004	1
61	MP2C	X	0	5
62	MP2C	Z	22.077	5
63	MP2C	Mx	.004	5
64	MP2A	X	0	1
65	MP2A	Z	28.723	1
66	MP2A	Mx	-.014	1
67	MP2A	X	0	5
68	MP2A	Z	28.723	5
69	MP2A	Mx	-.014	5
70	MP2B	X	0	1
71	MP2B	Z	22.077	1
72	MP2B	Mx	-.004	1
73	MP2B	X	0	5
74	MP2B	Z	22.077	5
75	MP2B	Mx	-.004	5
76	MP2C	X	0	1
77	MP2C	Z	22.077	1
78	MP2C	Mx	.015	1
79	MP2C	X	0	5
80	MP2C	Z	22.077	5
81	MP2C	Mx	.015	5
82	MP1A	X	0	.5
83	MP1A	Z	15.092	.5
84	MP1A	Mx	0	.5
85	MP1A	X	0	4.5
86	MP1A	Z	15.092	4.5
87	MP1A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1B	X	0	.5
89	MP1B	Z	24.254	.5
90	MP1B	Mx	-.011	.5
91	MP1B	X	0	4.5
92	MP1B	Z	24.254	4.5
93	MP1B	Mx	-.011	4.5
94	MP1C	X	0	.5
95	MP1C	Z	24.254	.5
96	MP1C	Mx	.011	.5
97	MP1C	X	0	4.5
98	MP1C	Z	24.254	4.5
99	MP1C	Mx	.011	4.5
100	MP4A	X	0	.5
101	MP4A	Z	15.092	.5
102	MP4A	Mx	0	.5
103	MP4A	X	0	4.5
104	MP4A	Z	15.092	4.5
105	MP4A	Mx	0	4.5
106	MP4B	X	0	.5
107	MP4B	Z	24.254	.5
108	MP4B	Mx	-.011	.5
109	MP4B	X	0	4.5
110	MP4B	Z	24.254	4.5
111	MP4B	Mx	-.011	4.5
112	MP4C	X	0	.5
113	MP4C	Z	24.254	.5
114	MP4C	Mx	.011	.5
115	MP4C	X	0	4.5
116	MP4C	Z	24.254	4.5
117	MP4C	Mx	.011	4.5
118	M101	X	0	1
119	M101	Z	17.253	1
120	M101	Mx	0	1
121	M105	X	0	1
122	M105	Z	17.253	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.657	1.5
2	MP3A	Z	11.53	1.5
3	MP3A	Mx	.003	1.5
4	MP3A	X	-6.657	3.5
5	MP3A	Z	11.53	3.5
6	MP3A	Mx	.003	3.5
7	MP3B	X	-3.426	1.5
8	MP3B	Z	5.934	1.5
9	MP3B	Mx	-.003	1.5
10	MP3B	X	-3.426	3.5
11	MP3B	Z	5.934	3.5
12	MP3B	Mx	-.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	-6.657	1.5
14	MP3C	Z	11.53	1.5
15	MP3C	Mx	.003	1.5
16	MP3C	X	-6.657	3.5
17	MP3C	Z	11.53	3.5
18	MP3C	Mx	.003	3.5
19	MP2A	X	-1.672	1.5
20	MP2A	Z	2.896	1.5
21	MP2A	Mx	-.000836	1.5
22	MP2B	X	-1.369	1.5
23	MP2B	Z	2.371	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	-1.672	1.5
26	MP2C	Z	2.896	1.5
27	MP2C	Mx	-.000836	1.5
28	MP2A	X	-6.2	3
29	MP2A	Z	10.739	3
30	MP2A	Mx	-.003	3
31	MP2B	X	-4.737	3
32	MP2B	Z	8.205	3
33	MP2B	Mx	.005	3
34	MP2C	X	-6.2	3
35	MP2C	Z	10.739	3
36	MP2C	Mx	-.003	3
37	MP3A	X	-6.015	2.5
38	MP3A	Z	10.418	2.5
39	MP3A	Mx	-.003	2.5
40	MP3B	X	-3.996	2.5
41	MP3B	Z	6.921	2.5
42	MP3B	Mx	.004	2.5
43	MP3C	X	-6.015	2.5
44	MP3C	Z	10.418	2.5
45	MP3C	Mx	-.003	2.5
46	MP2A	X	-13.254	1
47	MP2A	Z	22.956	1
48	MP2A	Mx	.018	1
49	MP2A	X	-13.254	5
50	MP2A	Z	22.956	5
51	MP2A	Mx	.018	5
52	MP2B	X	-9.931	1
53	MP2B	Z	17.2	1
54	MP2B	Mx	-.01	1
55	MP2B	X	-9.931	5
56	MP2B	Z	17.2	5
57	MP2B	Mx	-.01	5
58	MP2C	X	-13.254	1
59	MP2C	Z	22.956	1
60	MP2C	Mx	-.005	1
61	MP2C	X	-13.254	5
62	MP2C	Z	22.956	5
63	MP2C	Mx	-.005	5
64	MP2A	X	-13.254	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	22.956	1
66	MP2A	Mx	-.005	1
67	MP2A	X	-13.254	5
68	MP2A	Z	22.956	5
69	MP2A	Mx	-.005	5
70	MP2B	X	-9.931	1
71	MP2B	Z	17.2	1
72	MP2B	Mx	-.01	1
73	MP2B	X	-9.931	5
74	MP2B	Z	17.2	5
75	MP2B	Mx	-.01	5
76	MP2C	X	-13.254	1
77	MP2C	Z	22.956	1
78	MP2C	Mx	.018	1
79	MP2C	X	-13.254	5
80	MP2C	Z	22.956	5
81	MP2C	Mx	.018	5
82	MP1A	X	-9.073	.5
83	MP1A	Z	15.715	.5
84	MP1A	Mx	.005	.5
85	MP1A	X	-9.073	4.5
86	MP1A	Z	15.715	4.5
87	MP1A	Mx	.005	4.5
88	MP1B	X	-13.654	.5
89	MP1B	Z	23.649	.5
90	MP1B	Mx	-.014	.5
91	MP1B	X	-13.654	4.5
92	MP1B	Z	23.649	4.5
93	MP1B	Mx	-.014	4.5
94	MP1C	X	-9.073	.5
95	MP1C	Z	15.715	.5
96	MP1C	Mx	.005	.5
97	MP1C	X	-9.073	4.5
98	MP1C	Z	15.715	4.5
99	MP1C	Mx	.005	4.5
100	MP4A	X	-9.073	.5
101	MP4A	Z	15.715	.5
102	MP4A	Mx	.005	.5
103	MP4A	X	-9.073	4.5
104	MP4A	Z	15.715	4.5
105	MP4A	Mx	.005	4.5
106	MP4B	X	-13.654	.5
107	MP4B	Z	23.649	.5
108	MP4B	Mx	-.014	.5
109	MP4B	X	-13.654	4.5
110	MP4B	Z	23.649	4.5
111	MP4B	Mx	-.014	4.5
112	MP4C	X	-9.073	.5
113	MP4C	Z	15.715	.5
114	MP4C	Mx	.005	.5
115	MP4C	X	-9.073	4.5
116	MP4C	Z	15.715	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4C	Mx	.005	4.5
118	M101	X	-7.961	1
119	M101	Z	13.788	1
120	M101	Mx	0	1
121	M105	X	-7.961	1
122	M105	Z	13.788	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.799	1.5
2	MP3A	Z	4.503	1.5
3	MP3A	Mx	.004	1.5
4	MP3A	X	-7.799	3.5
5	MP3A	Z	4.503	3.5
6	MP3A	Mx	.004	3.5
7	MP3B	X	-7.799	1.5
8	MP3B	Z	4.503	1.5
9	MP3B	Mx	-.004	1.5
10	MP3B	X	-7.799	3.5
11	MP3B	Z	4.503	3.5
12	MP3B	Mx	-.004	3.5
13	MP3C	X	-13.395	1.5
14	MP3C	Z	7.733	1.5
15	MP3C	Mx	0	1.5
16	MP3C	X	-13.395	3.5
17	MP3C	Z	7.733	3.5
18	MP3C	Mx	0	3.5
19	MP2A	X	-2.546	1.5
20	MP2A	Z	1.47	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-2.546	1.5
23	MP2B	Z	1.47	1.5
24	MP2B	Mx	.001	1.5
25	MP2C	X	-3.072	1.5
26	MP2C	Z	1.773	1.5
27	MP2C	Mx	0	1.5
28	MP2A	X	-9.05	3
29	MP2A	Z	5.225	3
30	MP2A	Mx	-.005	3
31	MP2B	X	-9.05	3
32	MP2B	Z	5.225	3
33	MP2B	Mx	.005	3
34	MP2C	X	-11.584	3
35	MP2C	Z	6.688	3
36	MP2C	Mx	0	3
37	MP3A	X	-8.087	2.5
38	MP3A	Z	4.669	2.5
39	MP3A	Mx	-.004	2.5
40	MP3B	X	-8.087	2.5
41	MP3B	Z	4.669	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP3B	Mx	.004	2.5
43	MP3C	X	-11.584	2.5
44	MP3C	Z	6.688	2.5
45	MP3C	Mx	0	2.5
46	MP2A	X	-19.119	1
47	MP2A	Z	11.038	1
48	MP2A	Mx	.015	1
49	MP2A	X	-19.119	5
50	MP2A	Z	11.038	5
51	MP2A	Mx	.015	5
52	MP2B	X	-19.119	1
53	MP2B	Z	11.038	1
54	MP2B	Mx	-.004	1
55	MP2B	X	-19.119	5
56	MP2B	Z	11.038	5
57	MP2B	Mx	-.004	5
58	MP2C	X	-24.875	1
59	MP2C	Z	14.362	1
60	MP2C	Mx	-.014	1
61	MP2C	X	-24.875	5
62	MP2C	Z	14.362	5
63	MP2C	Mx	-.014	5
64	MP2A	X	-19.119	1
65	MP2A	Z	11.038	1
66	MP2A	Mx	.004	1
67	MP2A	X	-19.119	5
68	MP2A	Z	11.038	5
69	MP2A	Mx	.004	5
70	MP2B	X	-19.119	1
71	MP2B	Z	11.038	1
72	MP2B	Mx	-.015	1
73	MP2B	X	-19.119	5
74	MP2B	Z	11.038	5
75	MP2B	Mx	-.015	5
76	MP2C	X	-24.875	1
77	MP2C	Z	14.362	1
78	MP2C	Mx	.014	1
79	MP2C	X	-24.875	5
80	MP2C	Z	14.362	5
81	MP2C	Mx	.014	5
82	MP1A	X	-21.004	.5
83	MP1A	Z	12.127	.5
84	MP1A	Mx	.011	.5
85	MP1A	X	-21.004	4.5
86	MP1A	Z	12.127	4.5
87	MP1A	Mx	.011	4.5
88	MP1B	X	-21.004	.5
89	MP1B	Z	12.127	.5
90	MP1B	Mx	-.011	.5
91	MP1B	X	-21.004	4.5
92	MP1B	Z	12.127	4.5
93	MP1B	Mx	-.011	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1C	X	-13.07	.5
95	MP1C	Z	7.546	.5
96	MP1C	Mx	0	.5
97	MP1C	X	-13.07	4.5
98	MP1C	Z	7.546	4.5
99	MP1C	Mx	0	4.5
100	MP4A	X	-21.004	.5
101	MP4A	Z	12.127	.5
102	MP4A	Mx	.011	.5
103	MP4A	X	-21.004	4.5
104	MP4A	Z	12.127	4.5
105	MP4A	Mx	.011	4.5
106	MP4B	X	-21.004	.5
107	MP4B	Z	12.127	.5
108	MP4B	Mx	-.011	.5
109	MP4B	X	-21.004	4.5
110	MP4B	Z	12.127	4.5
111	MP4B	Mx	-.011	4.5
112	MP4C	X	-13.07	.5
113	MP4C	Z	7.546	.5
114	MP4C	Mx	0	.5
115	MP4C	X	-13.07	4.5
116	MP4C	Z	7.546	4.5
117	MP4C	Mx	0	4.5
118	M101	X	-11.481	1
119	M101	Z	6.629	1
120	M101	Mx	0	1
121	M105	X	-11.481	1
122	M105	Z	6.629	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.852	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.003	1.5
4	MP3A	X	-6.852	3.5
5	MP3A	Z	0	3.5
6	MP3A	Mx	.003	3.5
7	MP3B	X	-13.313	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	-.003	1.5
10	MP3B	X	-13.313	3.5
11	MP3B	Z	0	3.5
12	MP3B	Mx	-.003	3.5
13	MP3C	X	-13.313	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.003	1.5
16	MP3C	X	-13.313	3.5
17	MP3C	Z	0	3.5
18	MP3C	Mx	-.003	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP2A	X	-2.738	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-3.345	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.000836	1.5
25	MP2C	X	-3.345	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.000836	1.5
28	MP2A	X	-9.475	3
29	MP2A	Z	0	3
30	MP2A	Mx	-.005	3
31	MP2B	X	-12.401	3
32	MP2B	Z	0	3
33	MP2B	Mx	.003	3
34	MP2C	X	-12.401	3
35	MP2C	Z	0	3
36	MP2C	Mx	.003	3
37	MP3A	X	-7.992	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	-.004	2.5
40	MP3B	X	-12.03	2.5
41	MP3B	Z	0	2.5
42	MP3B	Mx	.003	2.5
43	MP3C	X	-12.03	2.5
44	MP3C	Z	0	2.5
45	MP3C	Mx	.003	2.5
46	MP2A	X	-19.861	1
47	MP2A	Z	0	1
48	MP2A	Mx	.01	1
49	MP2A	X	-19.861	5
50	MP2A	Z	0	5
51	MP2A	Mx	.01	5
52	MP2B	X	-26.508	1
53	MP2B	Z	0	1
54	MP2B	Mx	.005	1
55	MP2B	X	-26.508	5
56	MP2B	Z	0	5
57	MP2B	Mx	.005	5
58	MP2C	X	-26.508	1
59	MP2C	Z	0	1
60	MP2C	Mx	-.018	1
61	MP2C	X	-26.508	5
62	MP2C	Z	0	5
63	MP2C	Mx	-.018	5
64	MP2A	X	-19.861	1
65	MP2A	Z	0	1
66	MP2A	Mx	.01	1
67	MP2A	X	-19.861	5
68	MP2A	Z	0	5
69	MP2A	Mx	.01	5
70	MP2B	X	-26.508	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2B	Z	0	1
72	MP2B	Mx	-.018	1
73	MP2B	X	-26.508	5
74	MP2B	Z	0	5
75	MP2B	Mx	-.018	5
76	MP2C	X	-26.508	1
77	MP2C	Z	0	1
78	MP2C	Mx	.005	1
79	MP2C	X	-26.508	5
80	MP2C	Z	0	5
81	MP2C	Mx	.005	5
82	MP1A	X	-27.307	.5
83	MP1A	Z	0	.5
84	MP1A	Mx	.014	.5
85	MP1A	X	-27.307	4.5
86	MP1A	Z	0	4.5
87	MP1A	Mx	.014	4.5
88	MP1B	X	-18.146	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	-.005	.5
91	MP1B	X	-18.146	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	-.005	4.5
94	MP1C	X	-18.146	.5
95	MP1C	Z	0	.5
96	MP1C	Mx	-.005	.5
97	MP1C	X	-18.146	4.5
98	MP1C	Z	0	4.5
99	MP1C	Mx	-.005	4.5
100	MP4A	X	-27.307	.5
101	MP4A	Z	0	.5
102	MP4A	Mx	.014	.5
103	MP4A	X	-27.307	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	.014	4.5
106	MP4B	X	-18.146	.5
107	MP4B	Z	0	.5
108	MP4B	Mx	-.005	.5
109	MP4B	X	-18.146	4.5
110	MP4B	Z	0	4.5
111	MP4B	Mx	-.005	4.5
112	MP4C	X	-18.146	.5
113	MP4C	Z	0	.5
114	MP4C	Mx	-.005	.5
115	MP4C	X	-18.146	4.5
116	MP4C	Z	0	4.5
117	MP4C	Mx	-.005	4.5
118	M101	X	-11.925	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M105	X	-11.925	1
122	M105	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-7.799	1.5
2	MP3A	Z	-4.503	1.5
3	MP3A	Mx	.004	1.5
4	MP3A	X	-7.799	3.5
5	MP3A	Z	-4.503	3.5
6	MP3A	Mx	.004	3.5
7	MP3B	X	-13.395	1.5
8	MP3B	Z	-7.733	1.5
9	MP3B	Mx	0	1.5
10	MP3B	X	-13.395	3.5
11	MP3B	Z	-7.733	3.5
12	MP3B	Mx	0	3.5
13	MP3C	X	-7.799	1.5
14	MP3C	Z	-4.503	1.5
15	MP3C	Mx	-.004	1.5
16	MP3C	X	-7.799	3.5
17	MP3C	Z	-4.503	3.5
18	MP3C	Mx	-.004	3.5
19	MP2A	X	-2.546	1.5
20	MP2A	Z	-1.47	1.5
21	MP2A	Mx	-.001	1.5
22	MP2B	X	-3.072	1.5
23	MP2B	Z	-1.773	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-2.546	1.5
26	MP2C	Z	-1.47	1.5
27	MP2C	Mx	.001	1.5
28	MP2A	X	-9.05	3
29	MP2A	Z	-5.225	3
30	MP2A	Mx	-.005	3
31	MP2B	X	-11.584	3
32	MP2B	Z	-6.688	3
33	MP2B	Mx	0	3
34	MP2C	X	-9.05	3
35	MP2C	Z	-5.225	3
36	MP2C	Mx	.005	3
37	MP3A	X	-8.087	2.5
38	MP3A	Z	-4.669	2.5
39	MP3A	Mx	-.004	2.5
40	MP3B	X	-11.584	2.5
41	MP3B	Z	-6.688	2.5
42	MP3B	Mx	0	2.5
43	MP3C	X	-8.087	2.5
44	MP3C	Z	-4.669	2.5
45	MP3C	Mx	.004	2.5
46	MP2A	X	-19.119	1
47	MP2A	Z	-11.038	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
48	MP2A	Mx	.004	1
49	MP2A	X	-19.119	5
50	MP2A	Z	-11.038	5
51	MP2A	Mx	.004	5
52	MP2B	X	-24.875	1
53	MP2B	Z	-14.362	1
54	MP2B	Mx	.014	1
55	MP2B	X	-24.875	5
56	MP2B	Z	-14.362	5
57	MP2B	Mx	.014	5
58	MP2C	X	-19.119	1
59	MP2C	Z	-11.038	1
60	MP2C	Mx	-.015	1
61	MP2C	X	-19.119	5
62	MP2C	Z	-11.038	5
63	MP2C	Mx	-.015	5
64	MP2A	X	-19.119	1
65	MP2A	Z	-11.038	1
66	MP2A	Mx	.015	1
67	MP2A	X	-19.119	5
68	MP2A	Z	-11.038	5
69	MP2A	Mx	.015	5
70	MP2B	X	-24.875	1
71	MP2B	Z	-14.362	1
72	MP2B	Mx	-.014	1
73	MP2B	X	-24.875	5
74	MP2B	Z	-14.362	5
75	MP2B	Mx	-.014	5
76	MP2C	X	-19.119	1
77	MP2C	Z	-11.038	1
78	MP2C	Mx	-.004	1
79	MP2C	X	-19.119	5
80	MP2C	Z	-11.038	5
81	MP2C	Mx	-.004	5
82	MP1A	X	-21.004	.5
83	MP1A	Z	-12.127	.5
84	MP1A	Mx	.011	.5
85	MP1A	X	-21.004	4.5
86	MP1A	Z	-12.127	4.5
87	MP1A	Mx	.011	4.5
88	MP1B	X	-13.07	.5
89	MP1B	Z	-7.546	.5
90	MP1B	Mx	0	.5
91	MP1B	X	-13.07	4.5
92	MP1B	Z	-7.546	4.5
93	MP1B	Mx	0	4.5
94	MP1C	X	-21.004	.5
95	MP1C	Z	-12.127	.5
96	MP1C	Mx	-.011	.5
97	MP1C	X	-21.004	4.5
98	MP1C	Z	-12.127	4.5
99	MP1C	Mx	-.011	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP4A	X	-21.004	.5
101	MP4A	Z	-12.127	.5
102	MP4A	Mx	.011	.5
103	MP4A	X	-21.004	4.5
104	MP4A	Z	-12.127	4.5
105	MP4A	Mx	.011	4.5
106	MP4B	X	-13.07	.5
107	MP4B	Z	-7.546	.5
108	MP4B	Mx	0	.5
109	MP4B	X	-13.07	4.5
110	MP4B	Z	-7.546	4.5
111	MP4B	Mx	0	4.5
112	MP4C	X	-21.004	.5
113	MP4C	Z	-12.127	.5
114	MP4C	Mx	-.011	.5
115	MP4C	X	-21.004	4.5
116	MP4C	Z	-12.127	4.5
117	MP4C	Mx	-.011	4.5
118	M101	X	-11.481	1
119	M101	Z	-6.629	1
120	M101	Mx	0	1
121	M105	X	-11.481	1
122	M105	Z	-6.629	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.657	1.5
2	MP3A	Z	-11.53	1.5
3	MP3A	Mx	.003	1.5
4	MP3A	X	-6.657	3.5
5	MP3A	Z	-11.53	3.5
6	MP3A	Mx	.003	3.5
7	MP3B	X	-6.657	1.5
8	MP3B	Z	-11.53	1.5
9	MP3B	Mx	.003	1.5
10	MP3B	X	-6.657	3.5
11	MP3B	Z	-11.53	3.5
12	MP3B	Mx	.003	3.5
13	MP3C	X	-3.426	1.5
14	MP3C	Z	-5.934	1.5
15	MP3C	Mx	-.003	1.5
16	MP3C	X	-3.426	3.5
17	MP3C	Z	-5.934	3.5
18	MP3C	Mx	-.003	3.5
19	MP2A	X	-1.672	1.5
20	MP2A	Z	-2.896	1.5
21	MP2A	Mx	-.000836	1.5
22	MP2B	X	-1.672	1.5
23	MP2B	Z	-2.896	1.5
24	MP2B	Mx	-.000836	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2C	X	-1.369	1.5
26	MP2C	Z	-2.371	1.5
27	MP2C	Mx	.001	1.5
28	MP2A	X	-6.2	3
29	MP2A	Z	-10.739	3
30	MP2A	Mx	-.003	3
31	MP2B	X	-6.2	3
32	MP2B	Z	-10.739	3
33	MP2B	Mx	-.003	3
34	MP2C	X	-4.737	3
35	MP2C	Z	-8.205	3
36	MP2C	Mx	.005	3
37	MP3A	X	-6.015	2.5
38	MP3A	Z	-10.418	2.5
39	MP3A	Mx	-.003	2.5
40	MP3B	X	-6.015	2.5
41	MP3B	Z	-10.418	2.5
42	MP3B	Mx	-.003	2.5
43	MP3C	X	-3.996	2.5
44	MP3C	Z	-6.921	2.5
45	MP3C	Mx	.004	2.5
46	MP2A	X	-13.254	1
47	MP2A	Z	-22.956	1
48	MP2A	Mx	-.005	1
49	MP2A	X	-13.254	5
50	MP2A	Z	-22.956	5
51	MP2A	Mx	-.005	5
52	MP2B	X	-13.254	1
53	MP2B	Z	-22.956	1
54	MP2B	Mx	.018	1
55	MP2B	X	-13.254	5
56	MP2B	Z	-22.956	5
57	MP2B	Mx	.018	5
58	MP2C	X	-9.931	1
59	MP2C	Z	-17.2	1
60	MP2C	Mx	-.01	1
61	MP2C	X	-9.931	5
62	MP2C	Z	-17.2	5
63	MP2C	Mx	-.01	5
64	MP2A	X	-13.254	1
65	MP2A	Z	-22.956	1
66	MP2A	Mx	.018	1
67	MP2A	X	-13.254	5
68	MP2A	Z	-22.956	5
69	MP2A	Mx	.018	5
70	MP2B	X	-13.254	1
71	MP2B	Z	-22.956	1
72	MP2B	Mx	-.005	1
73	MP2B	X	-13.254	5
74	MP2B	Z	-22.956	5
75	MP2B	Mx	-.005	5
76	MP2C	X	-9.931	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2C	Z	-17.2	1
78	MP2C	Mx	-.01	1
79	MP2C	X	-9.931	5
80	MP2C	Z	-17.2	5
81	MP2C	Mx	-.01	5
82	MP1A	X	-9.073	.5
83	MP1A	Z	-15.715	.5
84	MP1A	Mx	.005	.5
85	MP1A	X	-9.073	4.5
86	MP1A	Z	-15.715	4.5
87	MP1A	Mx	.005	4.5
88	MP1B	X	-9.073	.5
89	MP1B	Z	-15.715	.5
90	MP1B	Mx	.005	.5
91	MP1B	X	-9.073	4.5
92	MP1B	Z	-15.715	4.5
93	MP1B	Mx	.005	4.5
94	MP1C	X	-13.654	.5
95	MP1C	Z	-23.649	.5
96	MP1C	Mx	-.014	.5
97	MP1C	X	-13.654	4.5
98	MP1C	Z	-23.649	4.5
99	MP1C	Mx	-.014	4.5
100	MP4A	X	-9.073	.5
101	MP4A	Z	-15.715	.5
102	MP4A	Mx	.005	.5
103	MP4A	X	-9.073	4.5
104	MP4A	Z	-15.715	4.5
105	MP4A	Mx	.005	4.5
106	MP4B	X	-9.073	.5
107	MP4B	Z	-15.715	.5
108	MP4B	Mx	.005	.5
109	MP4B	X	-9.073	4.5
110	MP4B	Z	-15.715	4.5
111	MP4B	Mx	.005	4.5
112	MP4C	X	-13.654	.5
113	MP4C	Z	-23.649	.5
114	MP4C	Mx	-.014	.5
115	MP4C	X	-13.654	4.5
116	MP4C	Z	-23.649	4.5
117	MP4C	Mx	-.014	4.5
118	M101	X	-7.961	1
119	M101	Z	-13.788	1
120	M101	Mx	0	1
121	M105	X	-7.961	1
122	M105	Z	-13.788	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	-4.666	1.5
3	MP3A	Mx	0	1.5
4	MP3A	X	0	3.5
5	MP3A	Z	-4.666	3.5
6	MP3A	Mx	0	3.5
7	MP3B	X	0	1.5
8	MP3B	Z	-2.536	1.5
9	MP3B	Mx	.001	1.5
10	MP3B	X	0	3.5
11	MP3B	Z	-2.536	3.5
12	MP3B	Mx	.001	3.5
13	MP3C	X	0	1.5
14	MP3C	Z	-2.536	1.5
15	MP3C	Mx	-.001	1.5
16	MP3C	X	0	3.5
17	MP3C	Z	-2.536	3.5
18	MP3C	Mx	-.001	3.5
19	MP2A	X	0	1.5
20	MP2A	Z	-.735	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	-.565	1.5
24	MP2B	Mx	-.000245	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	-.565	1.5
27	MP2C	Mx	.000245	1.5
28	MP2A	X	0	3
29	MP2A	Z	-3.713	3
30	MP2A	Mx	0	3
31	MP2B	X	0	3
32	MP2B	Z	-2.789	3
33	MP2B	Mx	-.001	3
34	MP2C	X	0	3
35	MP2C	Z	-2.789	3
36	MP2C	Mx	.001	3
37	MP3A	X	0	2.5
38	MP3A	Z	-3.713	2.5
39	MP3A	Mx	0	2.5
40	MP3B	X	0	2.5
41	MP3B	Z	-2.436	2.5
42	MP3B	Mx	-.001	2.5
43	MP3C	X	0	2.5
44	MP3C	Z	-2.436	2.5
45	MP3C	Mx	.001	2.5
46	MP2A	X	0	1
47	MP2A	Z	-9.044	1
48	MP2A	Mx	-.005	1
49	MP2A	X	0	5
50	MP2A	Z	-9.044	5
51	MP2A	Mx	-.005	5
52	MP2B	X	0	1
53	MP2B	Z	-6.716	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
54	MP2B	Mx	.005	1
55	MP2B	X	0	5
56	MP2B	Z	-6.716	5
57	MP2B	Mx	.005	5
58	MP2C	X	0	1
59	MP2C	Z	-6.716	1
60	MP2C	Mx	-.001	1
61	MP2C	X	0	5
62	MP2C	Z	-6.716	5
63	MP2C	Mx	-.001	5
64	MP2A	X	0	1
65	MP2A	Z	-9.044	1
66	MP2A	Mx	.005	1
67	MP2A	X	0	5
68	MP2A	Z	-9.044	5
69	MP2A	Mx	.005	5
70	MP2B	X	0	1
71	MP2B	Z	-6.716	1
72	MP2B	Mx	.001	1
73	MP2B	X	0	5
74	MP2B	Z	-6.716	5
75	MP2B	Mx	.001	5
76	MP2C	X	0	1
77	MP2C	Z	-6.716	1
78	MP2C	Mx	-.005	1
79	MP2C	X	0	5
80	MP2C	Z	-6.716	5
81	MP2C	Mx	-.005	5
82	MP1A	X	0	.5
83	MP1A	Z	-4.298	.5
84	MP1A	Mx	0	.5
85	MP1A	X	0	4.5
86	MP1A	Z	-4.298	4.5
87	MP1A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	-7.499	.5
90	MP1B	Mx	.003	.5
91	MP1B	X	0	4.5
92	MP1B	Z	-7.499	4.5
93	MP1B	Mx	.003	4.5
94	MP1C	X	0	.5
95	MP1C	Z	-7.499	.5
96	MP1C	Mx	-.003	.5
97	MP1C	X	0	4.5
98	MP1C	Z	-7.499	4.5
99	MP1C	Mx	-.003	4.5
100	MP4A	X	0	.5
101	MP4A	Z	-4.298	.5
102	MP4A	Mx	0	.5
103	MP4A	X	0	4.5
104	MP4A	Z	-4.298	4.5
105	MP4A	Mx	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
106	MP4B	X	0	.5
107	MP4B	Z	-7.499	.5
108	MP4B	Mx	.003	.5
109	MP4B	X	0	4.5
110	MP4B	Z	-7.499	4.5
111	MP4B	Mx	.003	4.5
112	MP4C	X	0	.5
113	MP4C	Z	-7.499	.5
114	MP4C	Mx	-.003	.5
115	MP4C	X	0	4.5
116	MP4C	Z	-7.499	4.5
117	MP4C	Mx	-.003	4.5
118	M101	X	0	1
119	M101	Z	-4.964	1
120	M101	Mx	0	1
121	M105	X	0	1
122	M105	Z	-4.964	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.978	1.5
2	MP3A	Z	-3.426	1.5
3	MP3A	Mx	-.000989	1.5
4	MP3A	X	1.978	3.5
5	MP3A	Z	-3.426	3.5
6	MP3A	Mx	-.000989	3.5
7	MP3B	X	.913	1.5
8	MP3B	Z	-1.582	1.5
9	MP3B	Mx	.000913	1.5
10	MP3B	X	.913	3.5
11	MP3B	Z	-1.582	3.5
12	MP3B	Mx	.000913	3.5
13	MP3C	X	1.978	1.5
14	MP3C	Z	-3.426	1.5
15	MP3C	Mx	-.000989	1.5
16	MP3C	X	1.978	3.5
17	MP3C	Z	-3.426	3.5
18	MP3C	Mx	-.000989	3.5
19	MP2A	X	.339	1.5
20	MP2A	Z	-.587	1.5
21	MP2A	Mx	.00017	1.5
22	MP2B	X	.254	1.5
23	MP2B	Z	-.44	1.5
24	MP2B	Mx	-.000254	1.5
25	MP2C	X	.339	1.5
26	MP2C	Z	-.587	1.5
27	MP2C	Mx	.000169	1.5
28	MP2A	X	1.702	3
29	MP2A	Z	-2.949	3
30	MP2A	Mx	.000851	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2B	X	1.241	3
32	MP2B	Z	-2.149	3
33	MP2B	Mx	-.001	3
34	MP2C	X	1.702	3
35	MP2C	Z	-2.949	3
36	MP2C	Mx	.000851	3
37	MP3A	X	1.644	2.5
38	MP3A	Z	-2.847	2.5
39	MP3A	Mx	.000822	2.5
40	MP3B	X	1.005	2.5
41	MP3B	Z	-1.741	2.5
42	MP3B	Mx	-.001	2.5
43	MP3C	X	1.644	2.5
44	MP3C	Z	-2.847	2.5
45	MP3C	Mx	.000822	2.5
46	MP2A	X	4.134	1
47	MP2A	Z	-7.16	1
48	MP2A	Mx	-.006	1
49	MP2A	X	4.134	5
50	MP2A	Z	-7.16	5
51	MP2A	Mx	-.006	5
52	MP2B	X	2.97	1
53	MP2B	Z	-5.144	1
54	MP2B	Mx	.003	1
55	MP2B	X	2.97	5
56	MP2B	Z	-5.144	5
57	MP2B	Mx	.003	5
58	MP2C	X	4.134	1
59	MP2C	Z	-7.16	1
60	MP2C	Mx	.002	1
61	MP2C	X	4.134	5
62	MP2C	Z	-7.16	5
63	MP2C	Mx	.002	5
64	MP2A	X	4.134	1
65	MP2A	Z	-7.16	1
66	MP2A	Mx	.002	1
67	MP2A	X	4.134	5
68	MP2A	Z	-7.16	5
69	MP2A	Mx	.002	5
70	MP2B	X	2.97	1
71	MP2B	Z	-5.144	1
72	MP2B	Mx	.003	1
73	MP2B	X	2.97	5
74	MP2B	Z	-5.144	5
75	MP2B	Mx	.003	5
76	MP2C	X	4.134	1
77	MP2C	Z	-7.16	1
78	MP2C	Mx	-.006	1
79	MP2C	X	4.134	5
80	MP2C	Z	-7.16	5
81	MP2C	Mx	-.006	5
82	MP1A	X	2.683	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP1A	Z	-4.646	.5
84	MP1A	Mx	-.001	.5
85	MP1A	X	2.683	4.5
86	MP1A	Z	-4.646	4.5
87	MP1A	Mx	-.001	4.5
88	MP1B	X	4.283	.5
89	MP1B	Z	-7.418	.5
90	MP1B	Mx	.004	.5
91	MP1B	X	4.283	4.5
92	MP1B	Z	-7.418	4.5
93	MP1B	Mx	.004	4.5
94	MP1C	X	2.683	.5
95	MP1C	Z	-4.646	.5
96	MP1C	Mx	-.001	.5
97	MP1C	X	2.683	4.5
98	MP1C	Z	-4.646	4.5
99	MP1C	Mx	-.001	4.5
100	MP4A	X	2.683	.5
101	MP4A	Z	-4.646	.5
102	MP4A	Mx	-.001	.5
103	MP4A	X	2.683	4.5
104	MP4A	Z	-4.646	4.5
105	MP4A	Mx	-.001	4.5
106	MP4B	X	4.283	.5
107	MP4B	Z	-7.418	.5
108	MP4B	Mx	.004	.5
109	MP4B	X	4.283	4.5
110	MP4B	Z	-7.418	4.5
111	MP4B	Mx	.004	4.5
112	MP4C	X	2.683	.5
113	MP4C	Z	-4.646	.5
114	MP4C	Mx	-.001	.5
115	MP4C	X	2.683	4.5
116	MP4C	Z	-4.646	4.5
117	MP4C	Mx	-.001	4.5
118	M101	X	2.264	1
119	M101	Z	-3.922	1
120	M101	Mx	0	1
121	M105	X	2.264	1
122	M105	Z	-3.922	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.197	1.5
2	MP3A	Z	-1.268	1.5
3	MP3A	Mx	-.001	1.5
4	MP3A	X	2.197	3.5
5	MP3A	Z	-1.268	3.5
6	MP3A	Mx	-.001	3.5
7	MP3B	X	2.197	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-1.268	1.5
9	MP3B	Mx	.001	1.5
10	MP3B	X	2.197	3.5
11	MP3B	Z	-1.268	3.5
12	MP3B	Mx	.001	3.5
13	MP3C	X	4.041	1.5
14	MP3C	Z	-2.333	1.5
15	MP3C	Mx	0	1.5
16	MP3C	X	4.041	3.5
17	MP3C	Z	-2.333	3.5
18	MP3C	Mx	0	3.5
19	MP2A	X	.489	1.5
20	MP2A	Z	-.282	1.5
21	MP2A	Mx	.000245	1.5
22	MP2B	X	.489	1.5
23	MP2B	Z	-.282	1.5
24	MP2B	Mx	-.000244	1.5
25	MP2C	X	.636	1.5
26	MP2C	Z	-.367	1.5
27	MP2C	Mx	0	1.5
28	MP2A	X	2.416	3
29	MP2A	Z	-1.395	3
30	MP2A	Mx	.001	3
31	MP2B	X	2.416	3
32	MP2B	Z	-1.395	3
33	MP2B	Mx	-.001	3
34	MP2C	X	3.215	3
35	MP2C	Z	-1.856	3
36	MP2C	Mx	0	3
37	MP3A	X	2.11	2.5
38	MP3A	Z	-1.218	2.5
39	MP3A	Mx	.001	2.5
40	MP3B	X	2.11	2.5
41	MP3B	Z	-1.218	2.5
42	MP3B	Mx	-.001	2.5
43	MP3C	X	3.215	2.5
44	MP3C	Z	-1.856	2.5
45	MP3C	Mx	0	2.5
46	MP2A	X	5.816	1
47	MP2A	Z	-3.358	1
48	MP2A	Mx	-.005	1
49	MP2A	X	5.816	5
50	MP2A	Z	-3.358	5
51	MP2A	Mx	-.005	5
52	MP2B	X	5.816	1
53	MP2B	Z	-3.358	1
54	MP2B	Mx	.001	1
55	MP2B	X	5.816	5
56	MP2B	Z	-3.358	5
57	MP2B	Mx	.001	5
58	MP2C	X	7.832	1
59	MP2C	Z	-4.522	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2C	Mx	.005	1
61	MP2C	X	7.832	5
62	MP2C	Z	-4.522	5
63	MP2C	Mx	.005	5
64	MP2A	X	5.816	1
65	MP2A	Z	-3.358	1
66	MP2A	Mx	-.001	1
67	MP2A	X	5.816	5
68	MP2A	Z	-3.358	5
69	MP2A	Mx	-.001	5
70	MP2B	X	5.816	1
71	MP2B	Z	-3.358	1
72	MP2B	Mx	.005	1
73	MP2B	X	5.816	5
74	MP2B	Z	-3.358	5
75	MP2B	Mx	.005	5
76	MP2C	X	7.832	1
77	MP2C	Z	-4.522	1
78	MP2C	Mx	-.005	1
79	MP2C	X	7.832	5
80	MP2C	Z	-4.522	5
81	MP2C	Mx	-.005	5
82	MP1A	X	6.494	.5
83	MP1A	Z	-3.749	.5
84	MP1A	Mx	-.003	.5
85	MP1A	X	6.494	4.5
86	MP1A	Z	-3.749	4.5
87	MP1A	Mx	-.003	4.5
88	MP1B	X	6.494	.5
89	MP1B	Z	-3.749	.5
90	MP1B	Mx	.003	.5
91	MP1B	X	6.494	4.5
92	MP1B	Z	-3.749	4.5
93	MP1B	Mx	.003	4.5
94	MP1C	X	3.723	.5
95	MP1C	Z	-2.149	.5
96	MP1C	Mx	0	.5
97	MP1C	X	3.723	4.5
98	MP1C	Z	-2.149	4.5
99	MP1C	Mx	0	4.5
100	MP4A	X	6.494	.5
101	MP4A	Z	-3.749	.5
102	MP4A	Mx	-.003	.5
103	MP4A	X	6.494	4.5
104	MP4A	Z	-3.749	4.5
105	MP4A	Mx	-.003	4.5
106	MP4B	X	6.494	.5
107	MP4B	Z	-3.749	.5
108	MP4B	Mx	.003	.5
109	MP4B	X	6.494	4.5
110	MP4B	Z	-3.749	4.5
111	MP4B	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
112	MP4C	X	3.723	.5
113	MP4C	Z	-2.149	.5
114	MP4C	Mx	0	.5
115	MP4C	X	3.723	4.5
116	MP4C	Z	-2.149	4.5
117	MP4C	Mx	0	4.5
118	M101	X	3.168	1
119	M101	Z	-1.829	1
120	M101	Mx	0	1
121	M105	X	3.168	1
122	M105	Z	-1.829	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.827	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	-.000914	1.5
4	MP3A	X	1.827	3.5
5	MP3A	Z	0	3.5
6	MP3A	Mx	-.000914	3.5
7	MP3B	X	3.956	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	.000989	1.5
10	MP3B	X	3.956	3.5
11	MP3B	Z	0	3.5
12	MP3B	Mx	.000989	3.5
13	MP3C	X	3.956	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	.000989	1.5
16	MP3C	X	3.956	3.5
17	MP3C	Z	0	3.5
18	MP3C	Mx	.000989	3.5
19	MP2A	X	.508	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	.000254	1.5
22	MP2B	X	.678	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	-.00017	1.5
25	MP2C	X	.678	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	-.00017	1.5
28	MP2A	X	2.482	3
29	MP2A	Z	0	3
30	MP2A	Mx	.001	3
31	MP2B	X	3.405	3
32	MP2B	Z	0	3
33	MP2B	Mx	-.000851	3
34	MP2C	X	3.405	3
35	MP2C	Z	0	3
36	MP2C	Mx	-.000851	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	2.01	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	.001	2.5
40	MP3B	X	3.287	2.5
41	MP3B	Z	0	2.5
42	MP3B	Mx	-.000822	2.5
43	MP3C	X	3.287	2.5
44	MP3C	Z	0	2.5
45	MP3C	Mx	-.000822	2.5
46	MP2A	X	5.94	1
47	MP2A	Z	0	1
48	MP2A	Mx	-.003	1
49	MP2A	X	5.94	5
50	MP2A	Z	0	5
51	MP2A	Mx	-.003	5
52	MP2B	X	8.268	1
53	MP2B	Z	0	1
54	MP2B	Mx	-.002	1
55	MP2B	X	8.268	5
56	MP2B	Z	0	5
57	MP2B	Mx	-.002	5
58	MP2C	X	8.268	1
59	MP2C	Z	0	1
60	MP2C	Mx	.006	1
61	MP2C	X	8.268	5
62	MP2C	Z	0	5
63	MP2C	Mx	.006	5
64	MP2A	X	5.94	1
65	MP2A	Z	0	1
66	MP2A	Mx	-.003	1
67	MP2A	X	5.94	5
68	MP2A	Z	0	5
69	MP2A	Mx	-.003	5
70	MP2B	X	8.268	1
71	MP2B	Z	0	1
72	MP2B	Mx	.006	1
73	MP2B	X	8.268	5
74	MP2B	Z	0	5
75	MP2B	Mx	.006	5
76	MP2C	X	8.268	1
77	MP2C	Z	0	1
78	MP2C	Mx	-.002	1
79	MP2C	X	8.268	5
80	MP2C	Z	0	5
81	MP2C	Mx	-.002	5
82	MP1A	X	8.565	.5
83	MP1A	Z	0	.5
84	MP1A	Mx	-.004	.5
85	MP1A	X	8.565	4.5
86	MP1A	Z	0	4.5
87	MP1A	Mx	-.004	4.5
88	MP1B	X	5.365	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP1B	Z	0	.5
90	MP1B	Mx	.001	.5
91	MP1B	X	5.365	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	.001	4.5
94	MP1C	X	5.365	.5
95	MP1C	Z	0	.5
96	MP1C	Mx	.001	.5
97	MP1C	X	5.365	4.5
98	MP1C	Z	0	4.5
99	MP1C	Mx	.001	4.5
100	MP4A	X	8.565	.5
101	MP4A	Z	0	.5
102	MP4A	Mx	-.004	.5
103	MP4A	X	8.565	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	-.004	4.5
106	MP4B	X	5.365	.5
107	MP4B	Z	0	.5
108	MP4B	Mx	.001	.5
109	MP4B	X	5.365	4.5
110	MP4B	Z	0	4.5
111	MP4B	Mx	.001	4.5
112	MP4C	X	5.365	.5
113	MP4C	Z	0	.5
114	MP4C	Mx	.001	.5
115	MP4C	X	5.365	4.5
116	MP4C	Z	0	4.5
117	MP4C	Mx	.001	4.5
118	M101	X	3.223	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M105	X	3.223	1
122	M105	Z	0	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	2.197	1.5
2	MP3A	Z	1.268	1.5
3	MP3A	Mx	-.001	1.5
4	MP3A	X	2.197	3.5
5	MP3A	Z	1.268	3.5
6	MP3A	Mx	-.001	3.5
7	MP3B	X	4.041	1.5
8	MP3B	Z	2.333	1.5
9	MP3B	Mx	0	1.5
10	MP3B	X	4.041	3.5
11	MP3B	Z	2.333	3.5
12	MP3B	Mx	0	3.5
13	MP3C	X	2.197	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
14	MP3C	Z	1.268	1.5
15	MP3C	Mx	.001	1.5
16	MP3C	X	2.197	3.5
17	MP3C	Z	1.268	3.5
18	MP3C	Mx	.001	3.5
19	MP2A	X	.489	1.5
20	MP2A	Z	.282	1.5
21	MP2A	Mx	.000245	1.5
22	MP2B	X	.636	1.5
23	MP2B	Z	.367	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	.489	1.5
26	MP2C	Z	.282	1.5
27	MP2C	Mx	-.000244	1.5
28	MP2A	X	2.416	3
29	MP2A	Z	1.395	3
30	MP2A	Mx	.001	3
31	MP2B	X	3.215	3
32	MP2B	Z	1.856	3
33	MP2B	Mx	0	3
34	MP2C	X	2.416	3
35	MP2C	Z	1.395	3
36	MP2C	Mx	-.001	3
37	MP3A	X	2.11	2.5
38	MP3A	Z	1.218	2.5
39	MP3A	Mx	.001	2.5
40	MP3B	X	3.215	2.5
41	MP3B	Z	1.856	2.5
42	MP3B	Mx	0	2.5
43	MP3C	X	2.11	2.5
44	MP3C	Z	1.218	2.5
45	MP3C	Mx	-.001	2.5
46	MP2A	X	5.816	1
47	MP2A	Z	3.358	1
48	MP2A	Mx	-.001	1
49	MP2A	X	5.816	5
50	MP2A	Z	3.358	5
51	MP2A	Mx	-.001	5
52	MP2B	X	7.832	1
53	MP2B	Z	4.522	1
54	MP2B	Mx	-.005	1
55	MP2B	X	7.832	5
56	MP2B	Z	4.522	5
57	MP2B	Mx	-.005	5
58	MP2C	X	5.816	1
59	MP2C	Z	3.358	1
60	MP2C	Mx	.005	1
61	MP2C	X	5.816	5
62	MP2C	Z	3.358	5
63	MP2C	Mx	.005	5
64	MP2A	X	5.816	1
65	MP2A	Z	3.358	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2A	Mx	-.005	1
67	MP2A	X	5.816	5
68	MP2A	Z	3.358	5
69	MP2A	Mx	-.005	5
70	MP2B	X	7.832	1
71	MP2B	Z	4.522	1
72	MP2B	Mx	.005	1
73	MP2B	X	7.832	5
74	MP2B	Z	4.522	5
75	MP2B	Mx	.005	5
76	MP2C	X	5.816	1
77	MP2C	Z	3.358	1
78	MP2C	Mx	.001	1
79	MP2C	X	5.816	5
80	MP2C	Z	3.358	5
81	MP2C	Mx	.001	5
82	MP1A	X	6.494	.5
83	MP1A	Z	3.749	.5
84	MP1A	Mx	-.003	.5
85	MP1A	X	6.494	4.5
86	MP1A	Z	3.749	4.5
87	MP1A	Mx	-.003	4.5
88	MP1B	X	3.723	.5
89	MP1B	Z	2.149	.5
90	MP1B	Mx	0	.5
91	MP1B	X	3.723	4.5
92	MP1B	Z	2.149	4.5
93	MP1B	Mx	0	4.5
94	MP1C	X	6.494	.5
95	MP1C	Z	3.749	.5
96	MP1C	Mx	.003	.5
97	MP1C	X	6.494	4.5
98	MP1C	Z	3.749	4.5
99	MP1C	Mx	.003	4.5
100	MP4A	X	6.494	.5
101	MP4A	Z	3.749	.5
102	MP4A	Mx	-.003	.5
103	MP4A	X	6.494	4.5
104	MP4A	Z	3.749	4.5
105	MP4A	Mx	-.003	4.5
106	MP4B	X	3.723	.5
107	MP4B	Z	2.149	.5
108	MP4B	Mx	0	.5
109	MP4B	X	3.723	4.5
110	MP4B	Z	2.149	4.5
111	MP4B	Mx	0	4.5
112	MP4C	X	6.494	.5
113	MP4C	Z	3.749	.5
114	MP4C	Mx	.003	.5
115	MP4C	X	6.494	4.5
116	MP4C	Z	3.749	4.5
117	MP4C	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
118	M101	X	3.168	1
119	M101	Z	1.829	1
120	M101	Mx	0	1
121	M105	X	3.168	1
122	M105	Z	1.829	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.978	1.5
2	MP3A	Z	3.426	1.5
3	MP3A	Mx	-.000989	1.5
4	MP3A	X	1.978	3.5
5	MP3A	Z	3.426	3.5
6	MP3A	Mx	-.000989	3.5
7	MP3B	X	1.978	1.5
8	MP3B	Z	3.426	1.5
9	MP3B	Mx	-.000989	1.5
10	MP3B	X	1.978	3.5
11	MP3B	Z	3.426	3.5
12	MP3B	Mx	-.000989	3.5
13	MP3C	X	.913	1.5
14	MP3C	Z	1.582	1.5
15	MP3C	Mx	.000913	1.5
16	MP3C	X	.913	3.5
17	MP3C	Z	1.582	3.5
18	MP3C	Mx	.000913	3.5
19	MP2A	X	.339	1.5
20	MP2A	Z	.587	1.5
21	MP2A	Mx	.00017	1.5
22	MP2B	X	.339	1.5
23	MP2B	Z	.587	1.5
24	MP2B	Mx	.000169	1.5
25	MP2C	X	.254	1.5
26	MP2C	Z	.44	1.5
27	MP2C	Mx	-.000254	1.5
28	MP2A	X	1.702	3
29	MP2A	Z	2.949	3
30	MP2A	Mx	.000851	3
31	MP2B	X	1.702	3
32	MP2B	Z	2.949	3
33	MP2B	Mx	.000851	3
34	MP2C	X	1.241	3
35	MP2C	Z	2.149	3
36	MP2C	Mx	-.001	3
37	MP3A	X	1.644	2.5
38	MP3A	Z	2.847	2.5
39	MP3A	Mx	.000822	2.5
40	MP3B	X	1.644	2.5
41	MP3B	Z	2.847	2.5
42	MP3B	Mx	.000822	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP3C	X	1.005	2.5
44	MP3C	Z	1.741	2.5
45	MP3C	Mx	-.001	2.5
46	MP2A	X	4.134	1
47	MP2A	Z	7.16	1
48	MP2A	Mx	.002	1
49	MP2A	X	4.134	5
50	MP2A	Z	7.16	5
51	MP2A	Mx	.002	5
52	MP2B	X	4.134	1
53	MP2B	Z	7.16	1
54	MP2B	Mx	-.006	1
55	MP2B	X	4.134	5
56	MP2B	Z	7.16	5
57	MP2B	Mx	-.006	5
58	MP2C	X	2.97	1
59	MP2C	Z	5.144	1
60	MP2C	Mx	.003	1
61	MP2C	X	2.97	5
62	MP2C	Z	5.144	5
63	MP2C	Mx	.003	5
64	MP2A	X	4.134	1
65	MP2A	Z	7.16	1
66	MP2A	Mx	-.006	1
67	MP2A	X	4.134	5
68	MP2A	Z	7.16	5
69	MP2A	Mx	-.006	5
70	MP2B	X	4.134	1
71	MP2B	Z	7.16	1
72	MP2B	Mx	.002	1
73	MP2B	X	4.134	5
74	MP2B	Z	7.16	5
75	MP2B	Mx	.002	5
76	MP2C	X	2.97	1
77	MP2C	Z	5.144	1
78	MP2C	Mx	.003	1
79	MP2C	X	2.97	5
80	MP2C	Z	5.144	5
81	MP2C	Mx	.003	5
82	MP1A	X	2.683	.5
83	MP1A	Z	4.646	.5
84	MP1A	Mx	-.001	.5
85	MP1A	X	2.683	4.5
86	MP1A	Z	4.646	4.5
87	MP1A	Mx	-.001	4.5
88	MP1B	X	2.683	.5
89	MP1B	Z	4.646	.5
90	MP1B	Mx	-.001	.5
91	MP1B	X	2.683	4.5
92	MP1B	Z	4.646	4.5
93	MP1B	Mx	-.001	4.5
94	MP1C	X	4.283	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP1C	Z	7.418	.5
96	MP1C	Mx	.004	.5
97	MP1C	X	4.283	4.5
98	MP1C	Z	7.418	4.5
99	MP1C	Mx	.004	4.5
100	MP4A	X	2.683	.5
101	MP4A	Z	4.646	.5
102	MP4A	Mx	-.001	.5
103	MP4A	X	2.683	4.5
104	MP4A	Z	4.646	4.5
105	MP4A	Mx	-.001	4.5
106	MP4B	X	2.683	.5
107	MP4B	Z	4.646	.5
108	MP4B	Mx	-.001	.5
109	MP4B	X	2.683	4.5
110	MP4B	Z	4.646	4.5
111	MP4B	Mx	-.001	4.5
112	MP4C	X	4.283	.5
113	MP4C	Z	7.418	.5
114	MP4C	Mx	.004	.5
115	MP4C	X	4.283	4.5
116	MP4C	Z	7.418	4.5
117	MP4C	Mx	.004	4.5
118	M101	X	2.264	1
119	M101	Z	3.922	1
120	M101	Mx	0	1
121	M105	X	2.264	1
122	M105	Z	3.922	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.5
2	MP3A	Z	4.666	1.5
3	MP3A	Mx	0	1.5
4	MP3A	X	0	3.5
5	MP3A	Z	4.666	3.5
6	MP3A	Mx	0	3.5
7	MP3B	X	0	1.5
8	MP3B	Z	2.536	1.5
9	MP3B	Mx	-.001	1.5
10	MP3B	X	0	3.5
11	MP3B	Z	2.536	3.5
12	MP3B	Mx	-.001	3.5
13	MP3C	X	0	1.5
14	MP3C	Z	2.536	1.5
15	MP3C	Mx	.001	1.5
16	MP3C	X	0	3.5
17	MP3C	Z	2.536	3.5
18	MP3C	Mx	.001	3.5
19	MP2A	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP2A	Z	.735	1.5
21	MP2A	Mx	0	1.5
22	MP2B	X	0	1.5
23	MP2B	Z	.565	1.5
24	MP2B	Mx	.000245	1.5
25	MP2C	X	0	1.5
26	MP2C	Z	.565	1.5
27	MP2C	Mx	-.000245	1.5
28	MP2A	X	0	3
29	MP2A	Z	3.713	3
30	MP2A	Mx	0	3
31	MP2B	X	0	3
32	MP2B	Z	2.789	3
33	MP2B	Mx	.001	3
34	MP2C	X	0	3
35	MP2C	Z	2.789	3
36	MP2C	Mx	-.001	3
37	MP3A	X	0	2.5
38	MP3A	Z	3.713	2.5
39	MP3A	Mx	0	2.5
40	MP3B	X	0	2.5
41	MP3B	Z	2.436	2.5
42	MP3B	Mx	.001	2.5
43	MP3C	X	0	2.5
44	MP3C	Z	2.436	2.5
45	MP3C	Mx	-.001	2.5
46	MP2A	X	0	1
47	MP2A	Z	9.044	1
48	MP2A	Mx	.005	1
49	MP2A	X	0	5
50	MP2A	Z	9.044	5
51	MP2A	Mx	.005	5
52	MP2B	X	0	1
53	MP2B	Z	6.716	1
54	MP2B	Mx	-.005	1
55	MP2B	X	0	5
56	MP2B	Z	6.716	5
57	MP2B	Mx	-.005	5
58	MP2C	X	0	1
59	MP2C	Z	6.716	1
60	MP2C	Mx	.001	1
61	MP2C	X	0	5
62	MP2C	Z	6.716	5
63	MP2C	Mx	.001	5
64	MP2A	X	0	1
65	MP2A	Z	9.044	1
66	MP2A	Mx	-.005	1
67	MP2A	X	0	5
68	MP2A	Z	9.044	5
69	MP2A	Mx	-.005	5
70	MP2B	X	0	1
71	MP2B	Z	6.716	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP2B	Mx	-.001	1
73	MP2B	X	0	5
74	MP2B	Z	6.716	5
75	MP2B	Mx	-.001	5
76	MP2C	X	0	1
77	MP2C	Z	6.716	1
78	MP2C	Mx	.005	1
79	MP2C	X	0	5
80	MP2C	Z	6.716	5
81	MP2C	Mx	.005	5
82	MP1A	X	0	.5
83	MP1A	Z	4.298	.5
84	MP1A	Mx	0	.5
85	MP1A	X	0	4.5
86	MP1A	Z	4.298	4.5
87	MP1A	Mx	0	4.5
88	MP1B	X	0	.5
89	MP1B	Z	7.499	.5
90	MP1B	Mx	-.003	.5
91	MP1B	X	0	4.5
92	MP1B	Z	7.499	4.5
93	MP1B	Mx	-.003	4.5
94	MP1C	X	0	.5
95	MP1C	Z	7.499	.5
96	MP1C	Mx	.003	.5
97	MP1C	X	0	4.5
98	MP1C	Z	7.499	4.5
99	MP1C	Mx	.003	4.5
100	MP4A	X	0	.5
101	MP4A	Z	4.298	.5
102	MP4A	Mx	0	.5
103	MP4A	X	0	4.5
104	MP4A	Z	4.298	4.5
105	MP4A	Mx	0	4.5
106	MP4B	X	0	.5
107	MP4B	Z	7.499	.5
108	MP4B	Mx	-.003	.5
109	MP4B	X	0	4.5
110	MP4B	Z	7.499	4.5
111	MP4B	Mx	-.003	4.5
112	MP4C	X	0	.5
113	MP4C	Z	7.499	.5
114	MP4C	Mx	.003	.5
115	MP4C	X	0	4.5
116	MP4C	Z	7.499	4.5
117	MP4C	Mx	.003	4.5
118	M101	X	0	1
119	M101	Z	4.964	1
120	M101	Mx	0	1
121	M105	X	0	1
122	M105	Z	4.964	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.978	1.5
2	MP3A	Z	3.426	1.5
3	MP3A	Mx	.000989	1.5
4	MP3A	X	-1.978	3.5
5	MP3A	Z	3.426	3.5
6	MP3A	Mx	.000989	3.5
7	MP3B	X	-.913	1.5
8	MP3B	Z	1.582	1.5
9	MP3B	Mx	-.000913	1.5
10	MP3B	X	-.913	3.5
11	MP3B	Z	1.582	3.5
12	MP3B	Mx	-.000913	3.5
13	MP3C	X	-1.978	1.5
14	MP3C	Z	3.426	1.5
15	MP3C	Mx	.000989	1.5
16	MP3C	X	-1.978	3.5
17	MP3C	Z	3.426	3.5
18	MP3C	Mx	.000989	3.5
19	MP2A	X	-.339	1.5
20	MP2A	Z	.587	1.5
21	MP2A	Mx	-.00017	1.5
22	MP2B	X	-.254	1.5
23	MP2B	Z	.44	1.5
24	MP2B	Mx	.000254	1.5
25	MP2C	X	-.339	1.5
26	MP2C	Z	.587	1.5
27	MP2C	Mx	-.000169	1.5
28	MP2A	X	-1.702	3
29	MP2A	Z	2.949	3
30	MP2A	Mx	-.000851	3
31	MP2B	X	-1.241	3
32	MP2B	Z	2.149	3
33	MP2B	Mx	.001	3
34	MP2C	X	-1.702	3
35	MP2C	Z	2.949	3
36	MP2C	Mx	-.000851	3
37	MP3A	X	-1.644	2.5
38	MP3A	Z	2.847	2.5
39	MP3A	Mx	-.000822	2.5
40	MP3B	X	-1.005	2.5
41	MP3B	Z	1.741	2.5
42	MP3B	Mx	.001	2.5
43	MP3C	X	-1.644	2.5
44	MP3C	Z	2.847	2.5
45	MP3C	Mx	-.000822	2.5
46	MP2A	X	-4.134	1
47	MP2A	Z	7.16	1
48	MP2A	Mx	.006	1
49	MP2A	X	-4.134	5
50	MP2A	Z	7.16	5
51	MP2A	Mx	.006	5
52	MP2B	X	-2.97	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2B	Z	5.144	1
54	MP2B	Mx	-.003	1
55	MP2B	X	-2.97	5
56	MP2B	Z	5.144	5
57	MP2B	Mx	-.003	5
58	MP2C	X	-4.134	1
59	MP2C	Z	7.16	1
60	MP2C	Mx	-.002	1
61	MP2C	X	-4.134	5
62	MP2C	Z	7.16	5
63	MP2C	Mx	-.002	5
64	MP2A	X	-4.134	1
65	MP2A	Z	7.16	1
66	MP2A	Mx	-.002	1
67	MP2A	X	-4.134	5
68	MP2A	Z	7.16	5
69	MP2A	Mx	-.002	5
70	MP2B	X	-2.97	1
71	MP2B	Z	5.144	1
72	MP2B	Mx	-.003	1
73	MP2B	X	-2.97	5
74	MP2B	Z	5.144	5
75	MP2B	Mx	-.003	5
76	MP2C	X	-4.134	1
77	MP2C	Z	7.16	1
78	MP2C	Mx	.006	1
79	MP2C	X	-4.134	5
80	MP2C	Z	7.16	5
81	MP2C	Mx	.006	5
82	MP1A	X	-2.683	.5
83	MP1A	Z	4.646	.5
84	MP1A	Mx	.001	.5
85	MP1A	X	-2.683	4.5
86	MP1A	Z	4.646	4.5
87	MP1A	Mx	.001	4.5
88	MP1B	X	-4.283	.5
89	MP1B	Z	7.418	.5
90	MP1B	Mx	-.004	.5
91	MP1B	X	-4.283	4.5
92	MP1B	Z	7.418	4.5
93	MP1B	Mx	-.004	4.5
94	MP1C	X	-2.683	.5
95	MP1C	Z	4.646	.5
96	MP1C	Mx	.001	.5
97	MP1C	X	-2.683	4.5
98	MP1C	Z	4.646	4.5
99	MP1C	Mx	.001	4.5
100	MP4A	X	-2.683	.5
101	MP4A	Z	4.646	.5
102	MP4A	Mx	.001	.5
103	MP4A	X	-2.683	4.5
104	MP4A	Z	4.646	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
105	MP4A	Mx	.001	4.5
106	MP4B	X	-4.283	.5
107	MP4B	Z	7.418	.5
108	MP4B	Mx	-.004	.5
109	MP4B	X	-4.283	4.5
110	MP4B	Z	7.418	4.5
111	MP4B	Mx	-.004	4.5
112	MP4C	X	-2.683	.5
113	MP4C	Z	4.646	.5
114	MP4C	Mx	.001	.5
115	MP4C	X	-2.683	4.5
116	MP4C	Z	4.646	4.5
117	MP4C	Mx	.001	4.5
118	M101	X	-2.264	1
119	M101	Z	3.922	1
120	M101	Mx	0	1
121	M105	X	-2.264	1
122	M105	Z	3.922	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.197	1.5
2	MP3A	Z	1.268	1.5
3	MP3A	Mx	.001	1.5
4	MP3A	X	-2.197	3.5
5	MP3A	Z	1.268	3.5
6	MP3A	Mx	.001	3.5
7	MP3B	X	-2.197	1.5
8	MP3B	Z	1.268	1.5
9	MP3B	Mx	-.001	1.5
10	MP3B	X	-2.197	3.5
11	MP3B	Z	1.268	3.5
12	MP3B	Mx	-.001	3.5
13	MP3C	X	-4.041	1.5
14	MP3C	Z	2.333	1.5
15	MP3C	Mx	0	1.5
16	MP3C	X	-4.041	3.5
17	MP3C	Z	2.333	3.5
18	MP3C	Mx	0	3.5
19	MP2A	X	-.489	1.5
20	MP2A	Z	.282	1.5
21	MP2A	Mx	-.000245	1.5
22	MP2B	X	-.489	1.5
23	MP2B	Z	.282	1.5
24	MP2B	Mx	.000244	1.5
25	MP2C	X	-.636	1.5
26	MP2C	Z	.367	1.5
27	MP2C	Mx	0	1.5
28	MP2A	X	-2.416	3
29	MP2A	Z	1.395	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2A	Mx	-.001	3
31	MP2B	X	-2.416	3
32	MP2B	Z	1.395	3
33	MP2B	Mx	.001	3
34	MP2C	X	-3.215	3
35	MP2C	Z	1.856	3
36	MP2C	Mx	0	3
37	MP3A	X	-2.11	2.5
38	MP3A	Z	1.218	2.5
39	MP3A	Mx	-.001	2.5
40	MP3B	X	-2.11	2.5
41	MP3B	Z	1.218	2.5
42	MP3B	Mx	.001	2.5
43	MP3C	X	-3.215	2.5
44	MP3C	Z	1.856	2.5
45	MP3C	Mx	0	2.5
46	MP2A	X	-5.816	1
47	MP2A	Z	3.358	1
48	MP2A	Mx	.005	1
49	MP2A	X	-5.816	5
50	MP2A	Z	3.358	5
51	MP2A	Mx	.005	5
52	MP2B	X	-5.816	1
53	MP2B	Z	3.358	1
54	MP2B	Mx	-.001	1
55	MP2B	X	-5.816	5
56	MP2B	Z	3.358	5
57	MP2B	Mx	-.001	5
58	MP2C	X	-7.832	1
59	MP2C	Z	4.522	1
60	MP2C	Mx	-.005	1
61	MP2C	X	-7.832	5
62	MP2C	Z	4.522	5
63	MP2C	Mx	-.005	5
64	MP2A	X	-5.816	1
65	MP2A	Z	3.358	1
66	MP2A	Mx	.001	1
67	MP2A	X	-5.816	5
68	MP2A	Z	3.358	5
69	MP2A	Mx	.001	5
70	MP2B	X	-5.816	1
71	MP2B	Z	3.358	1
72	MP2B	Mx	-.005	1
73	MP2B	X	-5.816	5
74	MP2B	Z	3.358	5
75	MP2B	Mx	-.005	5
76	MP2C	X	-7.832	1
77	MP2C	Z	4.522	1
78	MP2C	Mx	.005	1
79	MP2C	X	-7.832	5
80	MP2C	Z	4.522	5
81	MP2C	Mx	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP1A	X	-6.494	.5
83	MP1A	Z	3.749	.5
84	MP1A	Mx	.003	.5
85	MP1A	X	-6.494	4.5
86	MP1A	Z	3.749	4.5
87	MP1A	Mx	.003	4.5
88	MP1B	X	-6.494	.5
89	MP1B	Z	3.749	.5
90	MP1B	Mx	-.003	.5
91	MP1B	X	-6.494	4.5
92	MP1B	Z	3.749	4.5
93	MP1B	Mx	-.003	4.5
94	MP1C	X	-3.723	.5
95	MP1C	Z	2.149	.5
96	MP1C	Mx	0	.5
97	MP1C	X	-3.723	4.5
98	MP1C	Z	2.149	4.5
99	MP1C	Mx	0	4.5
100	MP4A	X	-6.494	.5
101	MP4A	Z	3.749	.5
102	MP4A	Mx	.003	.5
103	MP4A	X	-6.494	4.5
104	MP4A	Z	3.749	4.5
105	MP4A	Mx	.003	4.5
106	MP4B	X	-6.494	.5
107	MP4B	Z	3.749	.5
108	MP4B	Mx	-.003	.5
109	MP4B	X	-6.494	4.5
110	MP4B	Z	3.749	4.5
111	MP4B	Mx	-.003	4.5
112	MP4C	X	-3.723	.5
113	MP4C	Z	2.149	.5
114	MP4C	Mx	0	.5
115	MP4C	X	-3.723	4.5
116	MP4C	Z	2.149	4.5
117	MP4C	Mx	0	4.5
118	M101	X	-3.168	1
119	M101	Z	1.829	1
120	M101	Mx	0	1
121	M105	X	-3.168	1
122	M105	Z	1.829	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.827	1.5
2	MP3A	Z	0	1.5
3	MP3A	Mx	.000914	1.5
4	MP3A	X	-1.827	3.5
5	MP3A	Z	0	3.5
6	MP3A	Mx	.000914	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP3B	X	-3.956	1.5
8	MP3B	Z	0	1.5
9	MP3B	Mx	-.000989	1.5
10	MP3B	X	-3.956	3.5
11	MP3B	Z	0	3.5
12	MP3B	Mx	-.000989	3.5
13	MP3C	X	-3.956	1.5
14	MP3C	Z	0	1.5
15	MP3C	Mx	-.000989	1.5
16	MP3C	X	-3.956	3.5
17	MP3C	Z	0	3.5
18	MP3C	Mx	-.000989	3.5
19	MP2A	X	-.508	1.5
20	MP2A	Z	0	1.5
21	MP2A	Mx	-.000254	1.5
22	MP2B	X	-.678	1.5
23	MP2B	Z	0	1.5
24	MP2B	Mx	.00017	1.5
25	MP2C	X	-.678	1.5
26	MP2C	Z	0	1.5
27	MP2C	Mx	.00017	1.5
28	MP2A	X	-2.482	3
29	MP2A	Z	0	3
30	MP2A	Mx	-.001	3
31	MP2B	X	-3.405	3
32	MP2B	Z	0	3
33	MP2B	Mx	.000851	3
34	MP2C	X	-3.405	3
35	MP2C	Z	0	3
36	MP2C	Mx	.000851	3
37	MP3A	X	-2.01	2.5
38	MP3A	Z	0	2.5
39	MP3A	Mx	-.001	2.5
40	MP3B	X	-3.287	2.5
41	MP3B	Z	0	2.5
42	MP3B	Mx	.000822	2.5
43	MP3C	X	-3.287	2.5
44	MP3C	Z	0	2.5
45	MP3C	Mx	.000822	2.5
46	MP2A	X	-5.94	1
47	MP2A	Z	0	1
48	MP2A	Mx	.003	1
49	MP2A	X	-5.94	5
50	MP2A	Z	0	5
51	MP2A	Mx	.003	5
52	MP2B	X	-8.268	1
53	MP2B	Z	0	1
54	MP2B	Mx	.002	1
55	MP2B	X	-8.268	5
56	MP2B	Z	0	5
57	MP2B	Mx	.002	5
58	MP2C	X	-8.268	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2C	Z	0	1
60	MP2C	Mx	-.006	1
61	MP2C	X	-8.268	5
62	MP2C	Z	0	5
63	MP2C	Mx	-.006	5
64	MP2A	X	-5.94	1
65	MP2A	Z	0	1
66	MP2A	Mx	.003	1
67	MP2A	X	-5.94	5
68	MP2A	Z	0	5
69	MP2A	Mx	.003	5
70	MP2B	X	-8.268	1
71	MP2B	Z	0	1
72	MP2B	Mx	-.006	1
73	MP2B	X	-8.268	5
74	MP2B	Z	0	5
75	MP2B	Mx	-.006	5
76	MP2C	X	-8.268	1
77	MP2C	Z	0	1
78	MP2C	Mx	.002	1
79	MP2C	X	-8.268	5
80	MP2C	Z	0	5
81	MP2C	Mx	.002	5
82	MP1A	X	-8.565	.5
83	MP1A	Z	0	.5
84	MP1A	Mx	.004	.5
85	MP1A	X	-8.565	4.5
86	MP1A	Z	0	4.5
87	MP1A	Mx	.004	4.5
88	MP1B	X	-5.365	.5
89	MP1B	Z	0	.5
90	MP1B	Mx	-.001	.5
91	MP1B	X	-5.365	4.5
92	MP1B	Z	0	4.5
93	MP1B	Mx	-.001	4.5
94	MP1C	X	-5.365	.5
95	MP1C	Z	0	.5
96	MP1C	Mx	-.001	.5
97	MP1C	X	-5.365	4.5
98	MP1C	Z	0	4.5
99	MP1C	Mx	-.001	4.5
100	MP4A	X	-8.565	.5
101	MP4A	Z	0	.5
102	MP4A	Mx	.004	.5
103	MP4A	X	-8.565	4.5
104	MP4A	Z	0	4.5
105	MP4A	Mx	.004	4.5
106	MP4B	X	-5.365	.5
107	MP4B	Z	0	.5
108	MP4B	Mx	-.001	.5
109	MP4B	X	-5.365	4.5
110	MP4B	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
111	MP4B	Mx	-.001	4.5
112	MP4C	X	-5.365	.5
113	MP4C	Z	0	.5
114	MP4C	Mx	-.001	.5
115	MP4C	X	-5.365	4.5
116	MP4C	Z	0	4.5
117	MP4C	Mx	-.001	4.5
118	M101	X	-3.223	1
119	M101	Z	0	1
120	M101	Mx	0	1
121	M105	X	-3.223	1
122	M105	Z	0	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-2.197	1.5
2	MP3A	Z	-1.268	1.5
3	MP3A	Mx	.001	1.5
4	MP3A	X	-2.197	3.5
5	MP3A	Z	-1.268	3.5
6	MP3A	Mx	.001	3.5
7	MP3B	X	-4.041	1.5
8	MP3B	Z	-2.333	1.5
9	MP3B	Mx	0	1.5
10	MP3B	X	-4.041	3.5
11	MP3B	Z	-2.333	3.5
12	MP3B	Mx	0	3.5
13	MP3C	X	-2.197	1.5
14	MP3C	Z	-1.268	1.5
15	MP3C	Mx	-.001	1.5
16	MP3C	X	-2.197	3.5
17	MP3C	Z	-1.268	3.5
18	MP3C	Mx	-.001	3.5
19	MP2A	X	-.489	1.5
20	MP2A	Z	-.282	1.5
21	MP2A	Mx	-.000245	1.5
22	MP2B	X	-.636	1.5
23	MP2B	Z	-.367	1.5
24	MP2B	Mx	0	1.5
25	MP2C	X	-.489	1.5
26	MP2C	Z	-.282	1.5
27	MP2C	Mx	.000244	1.5
28	MP2A	X	-2.416	3
29	MP2A	Z	-1.395	3
30	MP2A	Mx	-.001	3
31	MP2B	X	-3.215	3
32	MP2B	Z	-1.856	3
33	MP2B	Mx	0	3
34	MP2C	X	-2.416	3
35	MP2C	Z	-1.395	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.001	3
37	MP3A	X	-2.11	2.5
38	MP3A	Z	-1.218	2.5
39	MP3A	Mx	-.001	2.5
40	MP3B	X	-3.215	2.5
41	MP3B	Z	-1.856	2.5
42	MP3B	Mx	0	2.5
43	MP3C	X	-2.11	2.5
44	MP3C	Z	-1.218	2.5
45	MP3C	Mx	.001	2.5
46	MP2A	X	-5.816	1
47	MP2A	Z	-3.358	1
48	MP2A	Mx	.001	1
49	MP2A	X	-5.816	5
50	MP2A	Z	-3.358	5
51	MP2A	Mx	.001	5
52	MP2B	X	-7.832	1
53	MP2B	Z	-4.522	1
54	MP2B	Mx	.005	1
55	MP2B	X	-7.832	5
56	MP2B	Z	-4.522	5
57	MP2B	Mx	.005	5
58	MP2C	X	-5.816	1
59	MP2C	Z	-3.358	1
60	MP2C	Mx	-.005	1
61	MP2C	X	-5.816	5
62	MP2C	Z	-3.358	5
63	MP2C	Mx	-.005	5
64	MP2A	X	-5.816	1
65	MP2A	Z	-3.358	1
66	MP2A	Mx	.005	1
67	MP2A	X	-5.816	5
68	MP2A	Z	-3.358	5
69	MP2A	Mx	.005	5
70	MP2B	X	-7.832	1
71	MP2B	Z	-4.522	1
72	MP2B	Mx	-.005	1
73	MP2B	X	-7.832	5
74	MP2B	Z	-4.522	5
75	MP2B	Mx	-.005	5
76	MP2C	X	-5.816	1
77	MP2C	Z	-3.358	1
78	MP2C	Mx	-.001	1
79	MP2C	X	-5.816	5
80	MP2C	Z	-3.358	5
81	MP2C	Mx	-.001	5
82	MP1A	X	-6.494	.5
83	MP1A	Z	-3.749	.5
84	MP1A	Mx	.003	.5
85	MP1A	X	-6.494	4.5
86	MP1A	Z	-3.749	4.5
87	MP1A	Mx	.003	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP1B	X	-3.723	.5
89	MP1B	Z	-2.149	.5
90	MP1B	Mx	0	.5
91	MP1B	X	-3.723	4.5
92	MP1B	Z	-2.149	4.5
93	MP1B	Mx	0	4.5
94	MP1C	X	-6.494	.5
95	MP1C	Z	-3.749	.5
96	MP1C	Mx	-.003	.5
97	MP1C	X	-6.494	4.5
98	MP1C	Z	-3.749	4.5
99	MP1C	Mx	-.003	4.5
100	MP4A	X	-6.494	.5
101	MP4A	Z	-3.749	.5
102	MP4A	Mx	.003	.5
103	MP4A	X	-6.494	4.5
104	MP4A	Z	-3.749	4.5
105	MP4A	Mx	.003	4.5
106	MP4B	X	-3.723	.5
107	MP4B	Z	-2.149	.5
108	MP4B	Mx	0	.5
109	MP4B	X	-3.723	4.5
110	MP4B	Z	-2.149	4.5
111	MP4B	Mx	0	4.5
112	MP4C	X	-6.494	.5
113	MP4C	Z	-3.749	.5
114	MP4C	Mx	-.003	.5
115	MP4C	X	-6.494	4.5
116	MP4C	Z	-3.749	4.5
117	MP4C	Mx	-.003	4.5
118	M101	X	-3.168	1
119	M101	Z	-1.829	1
120	M101	Mx	0	1
121	M105	X	-3.168	1
122	M105	Z	-1.829	1
123	M105	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.978	1.5
2	MP3A	Z	-3.426	1.5
3	MP3A	Mx	.000989	1.5
4	MP3A	X	-1.978	3.5
5	MP3A	Z	-3.426	3.5
6	MP3A	Mx	.000989	3.5
7	MP3B	X	-1.978	1.5
8	MP3B	Z	-3.426	1.5
9	MP3B	Mx	.000989	1.5
10	MP3B	X	-1.978	3.5
11	MP3B	Z	-3.426	3.5
12	MP3B	Mx	.000989	3.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP3C	X	-.913	1.5
14	MP3C	Z	-1.582	1.5
15	MP3C	Mx	-.000913	1.5
16	MP3C	X	-.913	3.5
17	MP3C	Z	-1.582	3.5
18	MP3C	Mx	-.000913	3.5
19	MP2A	X	-.339	1.5
20	MP2A	Z	-.587	1.5
21	MP2A	Mx	-.00017	1.5
22	MP2B	X	-.339	1.5
23	MP2B	Z	-.587	1.5
24	MP2B	Mx	-.000169	1.5
25	MP2C	X	-.254	1.5
26	MP2C	Z	-.44	1.5
27	MP2C	Mx	.000254	1.5
28	MP2A	X	-1.702	3
29	MP2A	Z	-2.949	3
30	MP2A	Mx	-.000851	3
31	MP2B	X	-1.702	3
32	MP2B	Z	-2.949	3
33	MP2B	Mx	-.000851	3
34	MP2C	X	-1.241	3
35	MP2C	Z	-2.149	3
36	MP2C	Mx	.001	3
37	MP3A	X	-1.644	2.5
38	MP3A	Z	-2.847	2.5
39	MP3A	Mx	-.000822	2.5
40	MP3B	X	-1.644	2.5
41	MP3B	Z	-2.847	2.5
42	MP3B	Mx	-.000822	2.5
43	MP3C	X	-1.005	2.5
44	MP3C	Z	-1.741	2.5
45	MP3C	Mx	.001	2.5
46	MP2A	X	-4.134	1
47	MP2A	Z	-7.16	1
48	MP2A	Mx	-.002	1
49	MP2A	X	-4.134	5
50	MP2A	Z	-7.16	5
51	MP2A	Mx	-.002	5
52	MP2B	X	-4.134	1
53	MP2B	Z	-7.16	1
54	MP2B	Mx	.006	1
55	MP2B	X	-4.134	5
56	MP2B	Z	-7.16	5
57	MP2B	Mx	.006	5
58	MP2C	X	-2.97	1
59	MP2C	Z	-5.144	1
60	MP2C	Mx	-.003	1
61	MP2C	X	-2.97	5
62	MP2C	Z	-5.144	5
63	MP2C	Mx	-.003	5
64	MP2A	X	-4.134	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	-7.16	1
66	MP2A	Mx	.006	1
67	MP2A	X	-4.134	5
68	MP2A	Z	-7.16	5
69	MP2A	Mx	.006	5
70	MP2B	X	-4.134	1
71	MP2B	Z	-7.16	1
72	MP2B	Mx	-.002	1
73	MP2B	X	-4.134	5
74	MP2B	Z	-7.16	5
75	MP2B	Mx	-.002	5
76	MP2C	X	-2.97	1
77	MP2C	Z	-5.144	1
78	MP2C	Mx	-.003	1
79	MP2C	X	-2.97	5
80	MP2C	Z	-5.144	5
81	MP2C	Mx	-.003	5
82	MP1A	X	-2.683	.5
83	MP1A	Z	-4.646	.5
84	MP1A	Mx	.001	.5
85	MP1A	X	-2.683	4.5
86	MP1A	Z	-4.646	4.5
87	MP1A	Mx	.001	4.5
88	MP1B	X	-2.683	.5
89	MP1B	Z	-4.646	.5
90	MP1B	Mx	.001	.5
91	MP1B	X	-2.683	4.5
92	MP1B	Z	-4.646	4.5
93	MP1B	Mx	.001	4.5
94	MP1C	X	-4.283	.5
95	MP1C	Z	-7.418	.5
96	MP1C	Mx	-.004	.5
97	MP1C	X	-4.283	4.5
98	MP1C	Z	-7.418	4.5
99	MP1C	Mx	-.004	4.5
100	MP4A	X	-2.683	.5
101	MP4A	Z	-4.646	.5
102	MP4A	Mx	.001	.5
103	MP4A	X	-2.683	4.5
104	MP4A	Z	-4.646	4.5
105	MP4A	Mx	.001	4.5
106	MP4B	X	-2.683	.5
107	MP4B	Z	-4.646	.5
108	MP4B	Mx	.001	.5
109	MP4B	X	-2.683	4.5
110	MP4B	Z	-4.646	4.5
111	MP4B	Mx	.001	4.5
112	MP4C	X	-4.283	.5
113	MP4C	Z	-7.418	.5
114	MP4C	Mx	-.004	.5
115	MP4C	X	-4.283	4.5
116	MP4C	Z	-7.418	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP4C	Mx	-.004	4.5
118	M101	X	-2.264	1
119	M101	Z	-3.922	1
120	M101	Mx	0	1
121	M105	X	-2.264	1
122	M105	Z	-3.922	1
123	M105	Mx	0	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%53

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%82

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

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	-10.761	-10.761	0	%100
2	M4	Y	-15.228	-15.228	0	%100
3	M10	Y	-15.228	-15.228	0	%100
4	MP3A	Y	-8.431	-8.431	0	%100
5	MP4A	Y	-8.431	-8.431	0	%100
6	MP2A	Y	-8.431	-8.431	0	%100
7	MP1A	Y	-8.431	-8.431	0	%100
8	M43	Y	-15.228	-15.228	0	%100
9	M46	Y	-15.982	-15.982	0	%100
10	M51B	Y	-9.37	-9.37	0	%100
11	M52B	Y	-9.37	-9.37	0	%100
12	M76	Y	-15.963	-15.963	0	%100
13	M77	Y	-15.963	-15.963	0	%100
14	M80	Y	-15.982	-15.982	0	%100
15	M84	Y	-15.963	-15.963	0	%100
16	M85	Y	-15.963	-15.963	0	%100
17	M91	Y	-15.982	-15.982	0	%100
18	M52A	Y	-15.228	-15.228	0	%100
19	M53	Y	-15.228	-15.228	0	%100
20	M54	Y	-15.228	-15.228	0	%100
21	M55	Y	-15.982	-15.982	0	%100
22	M58A	Y	-9.37	-9.37	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,%]
23	M59A	Y	-9.37	-9.37	0	%100
24	M63	Y	-15.963	-15.963	0	%100
25	M64	Y	-15.963	-15.963	0	%100
26	M66	Y	-15.982	-15.982	0	%100
27	M68	Y	-15.963	-15.963	0	%100
28	M69	Y	-15.963	-15.963	0	%100
29	M71	Y	-15.982	-15.982	0	%100
30	M76A	Y	-15.228	-15.228	0	%100
31	M77A	Y	-15.228	-15.228	0	%100
32	M78	Y	-15.228	-15.228	0	%100
33	M79A	Y	-15.982	-15.982	0	%100
34	M82	Y	-9.37	-9.37	0	%100
35	M83A	Y	-9.37	-9.37	0	%100
36	M87	Y	-15.963	-15.963	0	%100
37	M88A	Y	-15.963	-15.963	0	%100
38	M90	Y	-15.982	-15.982	0	%100
39	M92A	Y	-15.963	-15.963	0	%100
40	M93	Y	-15.963	-15.963	0	%100
41	M95	Y	-15.982	-15.982	0	%100
42	M82A	Y	-10.761	-10.761	0	%100
43	M91B	Y	-10.761	-10.761	0	%100
44	M101	Y	-8.431	-8.431	0	%100
45	MP3C	Y	-8.431	-8.431	0	%100
46	MP4C	Y	-8.431	-8.431	0	%100
47	MP2C	Y	-8.431	-8.431	0	%100
48	MP1C	Y	-8.431	-8.431	0	%100
49	MP3B	Y	-8.431	-8.431	0	%100
50	MP4B	Y	-8.431	-8.431	0	%100
51	MP2B	Y	-8.431	-8.431	0	%100
52	MP1B	Y	-8.431	-8.431	0	%100
53	M105	Y	-8.431	-8.431	0	%100
54	M109	Y	-9.466	-9.466	0	%100
55	M117A	Y	-9.466	-9.466	0	%100
56	M118A	Y	-9.466	-9.466	0	%100
57	M125	Y	-12.299	-12.299	0	%100
58	M126	Y	-12.299	-12.299	0	%100
59	M127	Y	-12.299	-12.299	0	%100
60	M128	Y	-17.492	-17.492	0	%100
61	M129	Y	-17.492	-17.492	0	%100
62	M130	Y	-17.492	-17.492	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	-10.934	-10.934	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-9.397	-9.397	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-7.419	-7.419	0	%100

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,%]
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-7.419	-7.419	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-7.419	-7.419	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-7.419	-7.419	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-9.397	-9.397	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-18.744	-18.744	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-2.886	-2.886	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-2.886	-2.886	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-4.773	-4.773	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-5.027	-5.027	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-4.773	-4.773	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-5.027	-5.027	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-8.443	-8.443	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-2.349	-2.349	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-2.349	-2.349	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-4.686	-4.686	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-2.33	-2.33	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-10.403	-10.403	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-14.058	-14.058	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-4.773	-4.773	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-5.027	-5.027	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-14.058	-14.058	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-19.091	-19.091	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-20.108	-20.108	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-8.443	-8.443	0	%100

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,%]
61	M77A	X	0	0	0	%100
62	M77A	Z	-2.349	-2.349	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-2.349	-2.349	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-4.686	-4.686	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-10.403	-10.403	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-2.33	-2.33	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-14.058	-14.058	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-19.091	-19.091	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-20.108	-20.108	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-14.058	-14.058	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-4.773	-4.773	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-5.027	-5.027	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-2.733	-2.733	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-2.733	-2.733	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	-6.761	-6.761	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-7.419	-7.419	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-7.419	-7.419	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-7.419	-7.419	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-7.419	-7.419	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-7.419	-7.419	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-7.419	-7.419	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-7.419	-7.419	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-7.419	-7.419	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-6.761	-6.761	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	-8.981	-8.981	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	-2.245	-2.245	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	-2.245	-2.245	0	%100

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,%]
113	M125	X	0	0	0	%100
114	M125	Z	-2.519	-2.519	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-10.078	-10.078	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-2.519	-2.519	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-9.255	-9.255	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-13.052	-13.052	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-13.052	-13.052	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	4.1	4.1	0	%100
2	M1	Z	-7.102	-7.102	0	%100
3	M4	X	1.407	1.407	0	%100
4	M4	Z	-2.437	-2.437	0	%100
5	M10	X	3.524	3.524	0	%100
6	M10	Z	-6.104	-6.104	0	%100
7	MP3A	X	3.71	3.71	0	%100
8	MP3A	Z	-6.425	-6.425	0	%100
9	MP4A	X	3.71	3.71	0	%100
10	MP4A	Z	-6.425	-6.425	0	%100
11	MP2A	X	3.71	3.71	0	%100
12	MP2A	Z	-6.425	-6.425	0	%100
13	MP1A	X	3.71	3.71	0	%100
14	MP1A	Z	-6.425	-6.425	0	%100
15	M43	X	3.524	3.524	0	%100
16	M43	Z	-6.104	-6.104	0	%100
17	M46	X	7.029	7.029	0	%100
18	M46	Z	-12.174	-12.174	0	%100
19	M51B	X	4.041	4.041	0	%100
20	M51B	Z	-7	-7	0	%100
21	M52B	X	.005	.005	0	%100
22	M52B	Z	-.009	-.009	0	%100
23	M76	X	2.343	2.343	0	%100
24	M76	Z	-4.058	-4.058	0	%100
25	M77	X	7.159	7.159	0	%100
26	M77	Z	-12.4	-12.4	0	%100
27	M80	X	7.54	7.54	0	%100
28	M80	Z	-13.06	-13.06	0	%100
29	M84	X	2.343	2.343	0	%100
30	M84	Z	-4.058	-4.058	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	1.407	1.407	0	%100
36	M52A	Z	-2.437	-2.437	0	%100

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,%]
37	M53	X	3.524	3.524	0	%100
38	M53	Z	-6.104	-6.104	0	%100
39	M54	X	3.524	3.524	0	%100
40	M54	Z	-6.104	-6.104	0	%100
41	M55	X	7.029	7.029	0	%100
42	M55	Z	-12.174	-12.174	0	%100
43	M58A	X	.005	.005	0	%100
44	M58A	Z	-.009	-.009	0	%100
45	M59A	X	4.041	4.041	0	%100
46	M59A	Z	-7	-7	0	%100
47	M63	X	2.343	2.343	0	%100
48	M63	Z	-4.058	-4.058	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	2.343	2.343	0	%100
54	M68	Z	-4.058	-4.058	0	%100
55	M69	X	7.159	7.159	0	%100
56	M69	Z	-12.4	-12.4	0	%100
57	M71	X	7.54	7.54	0	%100
58	M71	Z	-13.06	-13.06	0	%100
59	M76A	X	5.629	5.629	0	%100
60	M76A	Z	-9.749	-9.749	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	3.763	3.763	0	%100
68	M82	Z	-6.519	-6.519	0	%100
69	M83A	X	3.763	3.763	0	%100
70	M83A	Z	-6.519	-6.519	0	%100
71	M87	X	9.372	9.372	0	%100
72	M87	Z	-16.232	-16.232	0	%100
73	M88A	X	7.159	7.159	0	%100
74	M88A	Z	-12.4	-12.4	0	%100
75	M90	X	7.54	7.54	0	%100
76	M90	Z	-13.06	-13.06	0	%100
77	M92A	X	9.372	9.372	0	%100
78	M92A	Z	-16.232	-16.232	0	%100
79	M93	X	7.159	7.159	0	%100
80	M93	Z	-12.4	-12.4	0	%100
81	M95	X	7.54	7.54	0	%100
82	M95	Z	-13.06	-13.06	0	%100
83	M82A	X	4.1	4.1	0	%100
84	M82A	Z	-7.102	-7.102	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	3.381	3.381	0	%100
88	M101	Z	-5.855	-5.855	0	%100

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,%]
89	MP3C	X	3.71	3.71	0	%100
90	MP3C	Z	-6.425	-6.425	0	%100
91	MP4C	X	3.71	3.71	0	%100
92	MP4C	Z	-6.425	-6.425	0	%100
93	MP2C	X	3.71	3.71	0	%100
94	MP2C	Z	-6.425	-6.425	0	%100
95	MP1C	X	3.71	3.71	0	%100
96	MP1C	Z	-6.425	-6.425	0	%100
97	MP3B	X	3.71	3.71	0	%100
98	MP3B	Z	-6.425	-6.425	0	%100
99	MP4B	X	3.71	3.71	0	%100
100	MP4B	Z	-6.425	-6.425	0	%100
101	MP2B	X	3.71	3.71	0	%100
102	MP2B	Z	-6.425	-6.425	0	%100
103	MP1B	X	3.71	3.71	0	%100
104	MP1B	Z	-6.425	-6.425	0	%100
105	M105	X	3.381	3.381	0	%100
106	M105	Z	-5.855	-5.855	0	%100
107	M109	X	3.368	3.368	0	%100
108	M109	Z	-5.834	-5.834	0	%100
109	M117A	X	3.368	3.368	0	%100
110	M117A	Z	-5.834	-5.834	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	3.779	3.779	0	%100
116	M126	Z	-6.546	-6.546	0	%100
117	M127	X	3.779	3.779	0	%100
118	M127	Z	-6.546	-6.546	0	%100
119	M128	X	5.26	5.26	0	%100
120	M128	Z	-9.111	-9.111	0	%100
121	M129	X	5.26	5.26	0	%100
122	M129	Z	-9.111	-9.111	0	%100
123	M130	X	7.159	7.159	0	%100
124	M130	Z	-12.4	-12.4	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	2.367	2.367	0	%100
2	M1	Z	-1.367	-1.367	0	%100
3	M4	X	7.312	7.312	0	%100
4	M4	Z	-4.221	-4.221	0	%100
5	M10	X	2.035	2.035	0	%100
6	M10	Z	-1.175	-1.175	0	%100
7	MP3A	X	6.425	6.425	0	%100
8	MP3A	Z	-3.71	-3.71	0	%100
9	MP4A	X	6.425	6.425	0	%100
10	MP4A	Z	-3.71	-3.71	0	%100
11	MP2A	X	6.425	6.425	0	%100
12	MP2A	Z	-3.71	-3.71	0	%100

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,%]
13	MP1A	X	6.425	6.425	0	%100
14	MP1A	Z	-3.71	-3.71	0	%100
15	M43	X	2.035	2.035	0	%100
16	M43	Z	-1.175	-1.175	0	%100
17	M46	X	4.058	4.058	0	%100
18	M46	Z	-2.343	-2.343	0	%100
19	M51B	X	9.009	9.009	0	%100
20	M51B	Z	-5.202	-5.202	0	%100
21	M52B	X	2.018	2.018	0	%100
22	M52B	Z	-1.165	-1.165	0	%100
23	M76	X	12.174	12.174	0	%100
24	M76	Z	-7.029	-7.029	0	%100
25	M77	X	16.533	16.533	0	%100
26	M77	Z	-9.545	-9.545	0	%100
27	M80	X	17.414	17.414	0	%100
28	M80	Z	-10.054	-10.054	0	%100
29	M84	X	12.174	12.174	0	%100
30	M84	Z	-7.029	-7.029	0	%100
31	M85	X	4.133	4.133	0	%100
32	M85	Z	-2.386	-2.386	0	%100
33	M91	X	4.353	4.353	0	%100
34	M91	Z	-2.513	-2.513	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	8.138	8.138	0	%100
38	M53	Z	-4.699	-4.699	0	%100
39	M54	X	8.138	8.138	0	%100
40	M54	Z	-4.699	-4.699	0	%100
41	M55	X	16.232	16.232	0	%100
42	M55	Z	-9.372	-9.372	0	%100
43	M58A	X	2.499	2.499	0	%100
44	M58A	Z	-1.443	-1.443	0	%100
45	M59A	X	2.499	2.499	0	%100
46	M59A	Z	-1.443	-1.443	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	4.133	4.133	0	%100
50	M64	Z	-2.386	-2.386	0	%100
51	M66	X	4.353	4.353	0	%100
52	M66	Z	-2.513	-2.513	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	4.133	4.133	0	%100
56	M69	Z	-2.386	-2.386	0	%100
57	M71	X	4.353	4.353	0	%100
58	M71	Z	-2.513	-2.513	0	%100
59	M76A	X	7.312	7.312	0	%100
60	M76A	Z	-4.221	-4.221	0	%100
61	M77A	X	2.035	2.035	0	%100
62	M77A	Z	-1.175	-1.175	0	%100
63	M78	X	2.035	2.035	0	%100
64	M78	Z	-1.175	-1.175	0	%100

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,%]
65	M79A	X	4.058	4.058	0	%100
66	M79A	Z	-2.343	-2.343	0	%100
67	M82	X	2.018	2.018	0	%100
68	M82	Z	-1.165	-1.165	0	%100
69	M83A	X	9.009	9.009	0	%100
70	M83A	Z	-5.202	-5.202	0	%100
71	M87	X	12.174	12.174	0	%100
72	M87	Z	-7.029	-7.029	0	%100
73	M88A	X	4.133	4.133	0	%100
74	M88A	Z	-2.386	-2.386	0	%100
75	M90	X	4.353	4.353	0	%100
76	M90	Z	-2.513	-2.513	0	%100
77	M92A	X	12.174	12.174	0	%100
78	M92A	Z	-7.029	-7.029	0	%100
79	M93	X	16.533	16.533	0	%100
80	M93	Z	-9.545	-9.545	0	%100
81	M95	X	17.414	17.414	0	%100
82	M95	Z	-10.054	-10.054	0	%100
83	M82A	X	9.469	9.469	0	%100
84	M82A	Z	-5.467	-5.467	0	%100
85	M91B	X	2.367	2.367	0	%100
86	M91B	Z	-1.367	-1.367	0	%100
87	M101	X	5.855	5.855	0	%100
88	M101	Z	-3.381	-3.381	0	%100
89	MP3C	X	6.425	6.425	0	%100
90	MP3C	Z	-3.71	-3.71	0	%100
91	MP4C	X	6.425	6.425	0	%100
92	MP4C	Z	-3.71	-3.71	0	%100
93	MP2C	X	6.425	6.425	0	%100
94	MP2C	Z	-3.71	-3.71	0	%100
95	MP1C	X	6.425	6.425	0	%100
96	MP1C	Z	-3.71	-3.71	0	%100
97	MP3B	X	6.425	6.425	0	%100
98	MP3B	Z	-3.71	-3.71	0	%100
99	MP4B	X	6.425	6.425	0	%100
100	MP4B	Z	-3.71	-3.71	0	%100
101	MP2B	X	6.425	6.425	0	%100
102	MP2B	Z	-3.71	-3.71	0	%100
103	MP1B	X	6.425	6.425	0	%100
104	MP1B	Z	-3.71	-3.71	0	%100
105	M105	X	5.855	5.855	0	%100
106	M105	Z	-3.381	-3.381	0	%100
107	M109	X	1.945	1.945	0	%100
108	M109	Z	-1.123	-1.123	0	%100
109	M117A	X	7.778	7.778	0	%100
110	M117A	Z	-4.491	-4.491	0	%100
111	M118A	X	1.945	1.945	0	%100
112	M118A	Z	-1.123	-1.123	0	%100
113	M125	X	2.182	2.182	0	%100
114	M125	Z	-1.26	-1.26	0	%100
115	M126	X	2.182	2.182	0	%100
116	M126	Z	-1.26	-1.26	0	%100

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,%]
117	M127	X	8.728	8.728	0	%100
118	M127	Z	-5.039	-5.039	0	%100
119	M128	X	11.303	11.303	0	%100
120	M128	Z	-6.526	-6.526	0	%100
121	M129	X	8.015	8.015	0	%100
122	M129	Z	-4.627	-4.627	0	%100
123	M130	X	11.303	11.303	0	%100
124	M130	Z	-6.526	-6.526	0	%100

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	M4	X	11.257	11.257	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	7.419	7.419	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	7.419	7.419	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	7.419	7.419	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	7.419	7.419	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	7.527	7.527	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	7.527	7.527	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	18.744	18.744	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	14.318	14.318	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	15.081	15.081	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	18.744	18.744	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	14.318	14.318	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	15.081	15.081	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	2.814	2.814	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	7.048	7.048	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	7.048	7.048	0	%100
40	M54	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
41	M55	X	14.058	14.058	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	8.083	8.083	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.01	.01	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	4.686	4.686	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	14.318	14.318	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	15.081	15.081	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	4.686	4.686	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	2.814	2.814	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	7.048	7.048	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	7.048	7.048	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	14.058	14.058	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.01	.01	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	8.083	8.083	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	4.686	4.686	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	4.686	4.686	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	14.318	14.318	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	15.081	15.081	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	8.2	8.2	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	8.2	8.2	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	6.761	6.761	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	7.419	7.419	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	7.419	7.419	0	%100
92	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
93	MP2C	X	7.419	7.419	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	7.419	7.419	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	7.419	7.419	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	7.419	7.419	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	7.419	7.419	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	7.419	7.419	0	%100
104	MP1B	Z	0	0	0	%100
105	M105	X	6.761	6.761	0	%100
106	M105	Z	0	0	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	0	0	0	%100
109	M117A	X	6.736	6.736	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	6.736	6.736	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	7.558	7.558	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	7.558	7.558	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	14.318	14.318	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	10.52	10.52	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	10.52	10.52	0	%100
124	M130	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	2.367	2.367	0	%100
2	M1	Z	1.367	1.367	0	%100
3	M4	X	7.312	7.312	0	%100
4	M4	Z	4.221	4.221	0	%100
5	M10	X	2.035	2.035	0	%100
6	M10	Z	1.175	1.175	0	%100
7	MP3A	X	6.425	6.425	0	%100
8	MP3A	Z	3.71	3.71	0	%100
9	MP4A	X	6.425	6.425	0	%100
10	MP4A	Z	3.71	3.71	0	%100
11	MP2A	X	6.425	6.425	0	%100
12	MP2A	Z	3.71	3.71	0	%100
13	MP1A	X	6.425	6.425	0	%100
14	MP1A	Z	3.71	3.71	0	%100
15	M43	X	2.035	2.035	0	%100
16	M43	Z	1.175	1.175	0	%100

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,%]
17	M46	X	4.058	4.058	0	%100
18	M46	Z	2.343	2.343	0	%100
19	M51B	X	2.018	2.018	0	%100
20	M51B	Z	1.165	1.165	0	%100
21	M52B	X	9.009	9.009	0	%100
22	M52B	Z	5.202	5.202	0	%100
23	M76	X	12.174	12.174	0	%100
24	M76	Z	7.029	7.029	0	%100
25	M77	X	4.133	4.133	0	%100
26	M77	Z	2.386	2.386	0	%100
27	M80	X	4.353	4.353	0	%100
28	M80	Z	2.513	2.513	0	%100
29	M84	X	12.174	12.174	0	%100
30	M84	Z	7.029	7.029	0	%100
31	M85	X	16.533	16.533	0	%100
32	M85	Z	9.545	9.545	0	%100
33	M91	X	17.414	17.414	0	%100
34	M91	Z	10.054	10.054	0	%100
35	M52A	X	7.312	7.312	0	%100
36	M52A	Z	4.221	4.221	0	%100
37	M53	X	2.035	2.035	0	%100
38	M53	Z	1.175	1.175	0	%100
39	M54	X	2.035	2.035	0	%100
40	M54	Z	1.175	1.175	0	%100
41	M55	X	4.058	4.058	0	%100
42	M55	Z	2.343	2.343	0	%100
43	M58A	X	9.009	9.009	0	%100
44	M58A	Z	5.202	5.202	0	%100
45	M59A	X	2.018	2.018	0	%100
46	M59A	Z	1.165	1.165	0	%100
47	M63	X	12.174	12.174	0	%100
48	M63	Z	7.029	7.029	0	%100
49	M64	X	16.533	16.533	0	%100
50	M64	Z	9.545	9.545	0	%100
51	M66	X	17.414	17.414	0	%100
52	M66	Z	10.054	10.054	0	%100
53	M68	X	12.174	12.174	0	%100
54	M68	Z	7.029	7.029	0	%100
55	M69	X	4.133	4.133	0	%100
56	M69	Z	2.386	2.386	0	%100
57	M71	X	4.353	4.353	0	%100
58	M71	Z	2.513	2.513	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	8.138	8.138	0	%100
62	M77A	Z	4.699	4.699	0	%100
63	M78	X	8.138	8.138	0	%100
64	M78	Z	4.699	4.699	0	%100
65	M79A	X	16.232	16.232	0	%100
66	M79A	Z	9.372	9.372	0	%100
67	M82	X	2.499	2.499	0	%100
68	M82	Z	1.443	1.443	0	%100

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,%]
69	M83A	X	2.499	2.499	0	%100
70	M83A	Z	1.443	1.443	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	4.133	4.133	0	%100
74	M88A	Z	2.386	2.386	0	%100
75	M90	X	4.353	4.353	0	%100
76	M90	Z	2.513	2.513	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	4.133	4.133	0	%100
80	M93	Z	2.386	2.386	0	%100
81	M95	X	4.353	4.353	0	%100
82	M95	Z	2.513	2.513	0	%100
83	M82A	X	2.367	2.367	0	%100
84	M82A	Z	1.367	1.367	0	%100
85	M91B	X	9.469	9.469	0	%100
86	M91B	Z	5.467	5.467	0	%100
87	M101	X	5.855	5.855	0	%100
88	M101	Z	3.381	3.381	0	%100
89	MP3C	X	6.425	6.425	0	%100
90	MP3C	Z	3.71	3.71	0	%100
91	MP4C	X	6.425	6.425	0	%100
92	MP4C	Z	3.71	3.71	0	%100
93	MP2C	X	6.425	6.425	0	%100
94	MP2C	Z	3.71	3.71	0	%100
95	MP1C	X	6.425	6.425	0	%100
96	MP1C	Z	3.71	3.71	0	%100
97	MP3B	X	6.425	6.425	0	%100
98	MP3B	Z	3.71	3.71	0	%100
99	MP4B	X	6.425	6.425	0	%100
100	MP4B	Z	3.71	3.71	0	%100
101	MP2B	X	6.425	6.425	0	%100
102	MP2B	Z	3.71	3.71	0	%100
103	MP1B	X	6.425	6.425	0	%100
104	MP1B	Z	3.71	3.71	0	%100
105	M105	X	5.855	5.855	0	%100
106	M105	Z	3.381	3.381	0	%100
107	M109	X	1.945	1.945	0	%100
108	M109	Z	1.123	1.123	0	%100
109	M117A	X	1.945	1.945	0	%100
110	M117A	Z	1.123	1.123	0	%100
111	M118A	X	7.778	7.778	0	%100
112	M118A	Z	4.491	4.491	0	%100
113	M125	X	8.728	8.728	0	%100
114	M125	Z	5.039	5.039	0	%100
115	M126	X	2.182	2.182	0	%100
116	M126	Z	1.26	1.26	0	%100
117	M127	X	2.182	2.182	0	%100
118	M127	Z	1.26	1.26	0	%100
119	M128	X	11.303	11.303	0	%100
120	M128	Z	6.526	6.526	0	%100

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,%]
121	M129	X	11.303	11.303	0	%100
122	M129	Z	6.526	6.526	0	%100
123	M130	X	8.015	8.015	0	%100
124	M130	Z	4.627	4.627	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	4.1	4.1	0	%100
2	M1	Z	7.102	7.102	0	%100
3	M4	X	1.407	1.407	0	%100
4	M4	Z	2.437	2.437	0	%100
5	M10	X	3.524	3.524	0	%100
6	M10	Z	6.104	6.104	0	%100
7	MP3A	X	3.71	3.71	0	%100
8	MP3A	Z	6.425	6.425	0	%100
9	MP4A	X	3.71	3.71	0	%100
10	MP4A	Z	6.425	6.425	0	%100
11	MP2A	X	3.71	3.71	0	%100
12	MP2A	Z	6.425	6.425	0	%100
13	MP1A	X	3.71	3.71	0	%100
14	MP1A	Z	6.425	6.425	0	%100
15	M43	X	3.524	3.524	0	%100
16	M43	Z	6.104	6.104	0	%100
17	M46	X	7.029	7.029	0	%100
18	M46	Z	12.174	12.174	0	%100
19	M51B	X	.005	.005	0	%100
20	M51B	Z	.009	.009	0	%100
21	M52B	X	4.041	4.041	0	%100
22	M52B	Z	7	7	0	%100
23	M76	X	2.343	2.343	0	%100
24	M76	Z	4.058	4.058	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	2.343	2.343	0	%100
30	M84	Z	4.058	4.058	0	%100
31	M85	X	7.159	7.159	0	%100
32	M85	Z	12.4	12.4	0	%100
33	M91	X	7.54	7.54	0	%100
34	M91	Z	13.06	13.06	0	%100
35	M52A	X	5.629	5.629	0	%100
36	M52A	Z	9.749	9.749	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	3.763	3.763	0	%100
44	M58A	Z	6.519	6.519	0	%100

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	M59A	X	3.763	3.763	0	%100
46	M59A	Z	6.519	6.519	0	%100
47	M63	X	9.372	9.372	0	%100
48	M63	Z	16.232	16.232	0	%100
49	M64	X	7.159	7.159	0	%100
50	M64	Z	12.4	12.4	0	%100
51	M66	X	7.54	7.54	0	%100
52	M66	Z	13.06	13.06	0	%100
53	M68	X	9.372	9.372	0	%100
54	M68	Z	16.232	16.232	0	%100
55	M69	X	7.159	7.159	0	%100
56	M69	Z	12.4	12.4	0	%100
57	M71	X	7.54	7.54	0	%100
58	M71	Z	13.06	13.06	0	%100
59	M76A	X	1.407	1.407	0	%100
60	M76A	Z	2.437	2.437	0	%100
61	M77A	X	3.524	3.524	0	%100
62	M77A	Z	6.104	6.104	0	%100
63	M78	X	3.524	3.524	0	%100
64	M78	Z	6.104	6.104	0	%100
65	M79A	X	7.029	7.029	0	%100
66	M79A	Z	12.174	12.174	0	%100
67	M82	X	4.041	4.041	0	%100
68	M82	Z	7	7	0	%100
69	M83A	X	.005	.005	0	%100
70	M83A	Z	.009	.009	0	%100
71	M87	X	2.343	2.343	0	%100
72	M87	Z	4.058	4.058	0	%100
73	M88A	X	7.159	7.159	0	%100
74	M88A	Z	12.4	12.4	0	%100
75	M90	X	7.54	7.54	0	%100
76	M90	Z	13.06	13.06	0	%100
77	M92A	X	2.343	2.343	0	%100
78	M92A	Z	4.058	4.058	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	4.1	4.1	0	%100
86	M91B	Z	7.102	7.102	0	%100
87	M101	X	3.381	3.381	0	%100
88	M101	Z	5.855	5.855	0	%100
89	MP3C	X	3.71	3.71	0	%100
90	MP3C	Z	6.425	6.425	0	%100
91	MP4C	X	3.71	3.71	0	%100
92	MP4C	Z	6.425	6.425	0	%100
93	MP2C	X	3.71	3.71	0	%100
94	MP2C	Z	6.425	6.425	0	%100
95	MP1C	X	3.71	3.71	0	%100
96	MP1C	Z	6.425	6.425	0	%100

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,%]
97	MP3B	X	3.71	3.71	0	%100
98	MP3B	Z	6.425	6.425	0	%100
99	MP4B	X	3.71	3.71	0	%100
100	MP4B	Z	6.425	6.425	0	%100
101	MP2B	X	3.71	3.71	0	%100
102	MP2B	Z	6.425	6.425	0	%100
103	MP1B	X	3.71	3.71	0	%100
104	MP1B	Z	6.425	6.425	0	%100
105	M105	X	3.381	3.381	0	%100
106	M105	Z	5.855	5.855	0	%100
107	M109	X	3.368	3.368	0	%100
108	M109	Z	5.834	5.834	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	3.368	3.368	0	%100
112	M118A	Z	5.834	5.834	0	%100
113	M125	X	3.779	3.779	0	%100
114	M125	Z	6.546	6.546	0	%100
115	M126	X	3.779	3.779	0	%100
116	M126	Z	6.546	6.546	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	5.26	5.26	0	%100
120	M128	Z	9.111	9.111	0	%100
121	M129	X	7.159	7.159	0	%100
122	M129	Z	12.4	12.4	0	%100
123	M130	X	5.26	5.26	0	%100
124	M130	Z	9.111	9.111	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	10.934	10.934	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	9.397	9.397	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	7.419	7.419	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	7.419	7.419	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	7.419	7.419	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	7.419	7.419	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	9.397	9.397	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	18.744	18.744	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	2.886	2.886	0	%100

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,%]
21	M52B	X	0	0	0	%100
22	M52B	Z	2.886	2.886	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	4.773	4.773	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	5.027	5.027	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	4.773	4.773	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	5.027	5.027	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	8.443	8.443	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	2.349	2.349	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	2.349	2.349	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	4.686	4.686	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	2.33	2.33	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	10.403	10.403	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	14.058	14.058	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	4.773	4.773	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	5.027	5.027	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	14.058	14.058	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	19.091	19.091	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	20.108	20.108	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	8.443	8.443	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	2.349	2.349	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	2.349	2.349	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	4.686	4.686	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	10.403	10.403	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	2.33	2.33	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	14.058	14.058	0	%100

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,%]
73	M88A	X	0	0	0	%100
74	M88A	Z	19.091	19.091	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	20.108	20.108	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	14.058	14.058	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	4.773	4.773	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	5.027	5.027	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	2.733	2.733	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	2.733	2.733	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	6.761	6.761	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	7.419	7.419	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	7.419	7.419	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	7.419	7.419	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	7.419	7.419	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	7.419	7.419	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	7.419	7.419	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	7.419	7.419	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	7.419	7.419	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	6.761	6.761	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	8.981	8.981	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	2.245	2.245	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	2.245	2.245	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	2.519	2.519	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	10.078	10.078	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	2.519	2.519	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	9.255	9.255	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	13.052	13.052	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	13.052	13.052	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	-4.1	-4.1	0	%100
2	M1	Z	7.102	7.102	0	%100
3	M4	X	-1.407	-1.407	0	%100
4	M4	Z	2.437	2.437	0	%100
5	M10	X	-3.524	-3.524	0	%100
6	M10	Z	6.104	6.104	0	%100
7	MP3A	X	-3.71	-3.71	0	%100
8	MP3A	Z	6.425	6.425	0	%100
9	MP4A	X	-3.71	-3.71	0	%100
10	MP4A	Z	6.425	6.425	0	%100
11	MP2A	X	-3.71	-3.71	0	%100
12	MP2A	Z	6.425	6.425	0	%100
13	MP1A	X	-3.71	-3.71	0	%100
14	MP1A	Z	6.425	6.425	0	%100
15	M43	X	-3.524	-3.524	0	%100
16	M43	Z	6.104	6.104	0	%100
17	M46	X	-7.029	-7.029	0	%100
18	M46	Z	12.174	12.174	0	%100
19	M51B	X	-4.041	-4.041	0	%100
20	M51B	Z	7	7	0	%100
21	M52B	X	-.005	-.005	0	%100
22	M52B	Z	.009	.009	0	%100
23	M76	X	-2.343	-2.343	0	%100
24	M76	Z	4.058	4.058	0	%100
25	M77	X	-7.159	-7.159	0	%100
26	M77	Z	12.4	12.4	0	%100
27	M80	X	-7.54	-7.54	0	%100
28	M80	Z	13.06	13.06	0	%100
29	M84	X	-2.343	-2.343	0	%100
30	M84	Z	4.058	4.058	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-1.407	-1.407	0	%100
36	M52A	Z	2.437	2.437	0	%100
37	M53	X	-3.524	-3.524	0	%100
38	M53	Z	6.104	6.104	0	%100
39	M54	X	-3.524	-3.524	0	%100
40	M54	Z	6.104	6.104	0	%100
41	M55	X	-7.029	-7.029	0	%100
42	M55	Z	12.174	12.174	0	%100
43	M58A	X	-.005	-.005	0	%100
44	M58A	Z	.009	.009	0	%100
45	M59A	X	-4.041	-4.041	0	%100
46	M59A	Z	7	7	0	%100
47	M63	X	-2.343	-2.343	0	%100
48	M63	Z	4.058	4.058	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100

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,%]
53	M68	X	-2.343	-2.343	0	%100
54	M68	Z	4.058	4.058	0	%100
55	M69	X	-7.159	-7.159	0	%100
56	M69	Z	12.4	12.4	0	%100
57	M71	X	-7.54	-7.54	0	%100
58	M71	Z	13.06	13.06	0	%100
59	M76A	X	-5.629	-5.629	0	%100
60	M76A	Z	9.749	9.749	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-3.763	-3.763	0	%100
68	M82	Z	6.519	6.519	0	%100
69	M83A	X	-3.763	-3.763	0	%100
70	M83A	Z	6.519	6.519	0	%100
71	M87	X	-9.372	-9.372	0	%100
72	M87	Z	16.232	16.232	0	%100
73	M88A	X	-7.159	-7.159	0	%100
74	M88A	Z	12.4	12.4	0	%100
75	M90	X	-7.54	-7.54	0	%100
76	M90	Z	13.06	13.06	0	%100
77	M92A	X	-9.372	-9.372	0	%100
78	M92A	Z	16.232	16.232	0	%100
79	M93	X	-7.159	-7.159	0	%100
80	M93	Z	12.4	12.4	0	%100
81	M95	X	-7.54	-7.54	0	%100
82	M95	Z	13.06	13.06	0	%100
83	M82A	X	-4.1	-4.1	0	%100
84	M82A	Z	7.102	7.102	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	-3.381	-3.381	0	%100
88	M101	Z	5.855	5.855	0	%100
89	MP3C	X	-3.71	-3.71	0	%100
90	MP3C	Z	6.425	6.425	0	%100
91	MP4C	X	-3.71	-3.71	0	%100
92	MP4C	Z	6.425	6.425	0	%100
93	MP2C	X	-3.71	-3.71	0	%100
94	MP2C	Z	6.425	6.425	0	%100
95	MP1C	X	-3.71	-3.71	0	%100
96	MP1C	Z	6.425	6.425	0	%100
97	MP3B	X	-3.71	-3.71	0	%100
98	MP3B	Z	6.425	6.425	0	%100
99	MP4B	X	-3.71	-3.71	0	%100
100	MP4B	Z	6.425	6.425	0	%100
101	MP2B	X	-3.71	-3.71	0	%100
102	MP2B	Z	6.425	6.425	0	%100
103	MP1B	X	-3.71	-3.71	0	%100
104	MP1B	Z	6.425	6.425	0	%100

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,%]
105	M105	X	-3.381	-3.381	0	%100
106	M105	Z	5.855	5.855	0	%100
107	M109	X	-3.368	-3.368	0	%100
108	M109	Z	5.834	5.834	0	%100
109	M117A	X	-3.368	-3.368	0	%100
110	M117A	Z	5.834	5.834	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-3.779	-3.779	0	%100
116	M126	Z	6.546	6.546	0	%100
117	M127	X	-3.779	-3.779	0	%100
118	M127	Z	6.546	6.546	0	%100
119	M128	X	-5.26	-5.26	0	%100
120	M128	Z	9.111	9.111	0	%100
121	M129	X	-5.26	-5.26	0	%100
122	M129	Z	9.111	9.111	0	%100
123	M130	X	-7.159	-7.159	0	%100
124	M130	Z	12.4	12.4	0	%100

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	-2.367	-2.367	0	%100
2	M1	Z	1.367	1.367	0	%100
3	M4	X	-7.312	-7.312	0	%100
4	M4	Z	4.221	4.221	0	%100
5	M10	X	-2.035	-2.035	0	%100
6	M10	Z	1.175	1.175	0	%100
7	MP3A	X	-6.425	-6.425	0	%100
8	MP3A	Z	3.71	3.71	0	%100
9	MP4A	X	-6.425	-6.425	0	%100
10	MP4A	Z	3.71	3.71	0	%100
11	MP2A	X	-6.425	-6.425	0	%100
12	MP2A	Z	3.71	3.71	0	%100
13	MP1A	X	-6.425	-6.425	0	%100
14	MP1A	Z	3.71	3.71	0	%100
15	M43	X	-2.035	-2.035	0	%100
16	M43	Z	1.175	1.175	0	%100
17	M46	X	-4.058	-4.058	0	%100
18	M46	Z	2.343	2.343	0	%100
19	M51B	X	-9.009	-9.009	0	%100
20	M51B	Z	5.202	5.202	0	%100
21	M52B	X	-2.018	-2.018	0	%100
22	M52B	Z	1.165	1.165	0	%100
23	M76	X	-12.174	-12.174	0	%100
24	M76	Z	7.029	7.029	0	%100
25	M77	X	-16.533	-16.533	0	%100
26	M77	Z	9.545	9.545	0	%100
27	M80	X	-17.414	-17.414	0	%100
28	M80	Z	10.054	10.054	0	%100

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,%]
29	M84	X	-12.174	-12.174	0	%100
30	M84	Z	7.029	7.029	0	%100
31	M85	X	-4.133	-4.133	0	%100
32	M85	Z	2.386	2.386	0	%100
33	M91	X	-4.353	-4.353	0	%100
34	M91	Z	2.513	2.513	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-8.138	-8.138	0	%100
38	M53	Z	4.699	4.699	0	%100
39	M54	X	-8.138	-8.138	0	%100
40	M54	Z	4.699	4.699	0	%100
41	M55	X	-16.232	-16.232	0	%100
42	M55	Z	9.372	9.372	0	%100
43	M58A	X	-2.499	-2.499	0	%100
44	M58A	Z	1.443	1.443	0	%100
45	M59A	X	-2.499	-2.499	0	%100
46	M59A	Z	1.443	1.443	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-4.133	-4.133	0	%100
50	M64	Z	2.386	2.386	0	%100
51	M66	X	-4.353	-4.353	0	%100
52	M66	Z	2.513	2.513	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-4.133	-4.133	0	%100
56	M69	Z	2.386	2.386	0	%100
57	M71	X	-4.353	-4.353	0	%100
58	M71	Z	2.513	2.513	0	%100
59	M76A	X	-7.312	-7.312	0	%100
60	M76A	Z	4.221	4.221	0	%100
61	M77A	X	-2.035	-2.035	0	%100
62	M77A	Z	1.175	1.175	0	%100
63	M78	X	-2.035	-2.035	0	%100
64	M78	Z	1.175	1.175	0	%100
65	M79A	X	-4.058	-4.058	0	%100
66	M79A	Z	2.343	2.343	0	%100
67	M82	X	-2.018	-2.018	0	%100
68	M82	Z	1.165	1.165	0	%100
69	M83A	X	-9.009	-9.009	0	%100
70	M83A	Z	5.202	5.202	0	%100
71	M87	X	-12.174	-12.174	0	%100
72	M87	Z	7.029	7.029	0	%100
73	M88A	X	-4.133	-4.133	0	%100
74	M88A	Z	2.386	2.386	0	%100
75	M90	X	-4.353	-4.353	0	%100
76	M90	Z	2.513	2.513	0	%100
77	M92A	X	-12.174	-12.174	0	%100
78	M92A	Z	7.029	7.029	0	%100
79	M93	X	-16.533	-16.533	0	%100
80	M93	Z	9.545	9.545	0	%100

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,%]
81	M95	X	-17.414	-17.414	0	%100
82	M95	Z	10.054	10.054	0	%100
83	M82A	X	-9.469	-9.469	0	%100
84	M82A	Z	5.467	5.467	0	%100
85	M91B	X	-2.367	-2.367	0	%100
86	M91B	Z	1.367	1.367	0	%100
87	M101	X	-5.855	-5.855	0	%100
88	M101	Z	3.381	3.381	0	%100
89	MP3C	X	-6.425	-6.425	0	%100
90	MP3C	Z	3.71	3.71	0	%100
91	MP4C	X	-6.425	-6.425	0	%100
92	MP4C	Z	3.71	3.71	0	%100
93	MP2C	X	-6.425	-6.425	0	%100
94	MP2C	Z	3.71	3.71	0	%100
95	MP1C	X	-6.425	-6.425	0	%100
96	MP1C	Z	3.71	3.71	0	%100
97	MP3B	X	-6.425	-6.425	0	%100
98	MP3B	Z	3.71	3.71	0	%100
99	MP4B	X	-6.425	-6.425	0	%100
100	MP4B	Z	3.71	3.71	0	%100
101	MP2B	X	-6.425	-6.425	0	%100
102	MP2B	Z	3.71	3.71	0	%100
103	MP1B	X	-6.425	-6.425	0	%100
104	MP1B	Z	3.71	3.71	0	%100
105	M105	X	-5.855	-5.855	0	%100
106	M105	Z	3.381	3.381	0	%100
107	M109	X	-1.945	-1.945	0	%100
108	M109	Z	1.123	1.123	0	%100
109	M117A	X	-7.778	-7.778	0	%100
110	M117A	Z	4.491	4.491	0	%100
111	M118A	X	-1.945	-1.945	0	%100
112	M118A	Z	1.123	1.123	0	%100
113	M125	X	-2.182	-2.182	0	%100
114	M125	Z	1.26	1.26	0	%100
115	M126	X	-2.182	-2.182	0	%100
116	M126	Z	1.26	1.26	0	%100
117	M127	X	-8.728	-8.728	0	%100
118	M127	Z	5.039	5.039	0	%100
119	M128	X	-11.303	-11.303	0	%100
120	M128	Z	6.526	6.526	0	%100
121	M129	X	-8.015	-8.015	0	%100
122	M129	Z	4.627	4.627	0	%100
123	M130	X	-11.303	-11.303	0	%100
124	M130	Z	6.526	6.526	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	M4	X	-11.257	-11.257	0	%100
4	M4	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-7.419	-7.419	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-7.419	-7.419	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-7.419	-7.419	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-7.419	-7.419	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-7.527	-7.527	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-7.527	-7.527	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-18.744	-18.744	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-14.318	-14.318	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-15.081	-15.081	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-18.744	-18.744	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-14.318	-14.318	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-15.081	-15.081	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-2.814	-2.814	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-7.048	-7.048	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-7.048	-7.048	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-14.058	-14.058	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-8.083	-8.083	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.01	-.01	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-4.686	-4.686	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-14.318	-14.318	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-15.081	-15.081	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-4.686	-4.686	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-2.814	-2.814	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-7.048	-7.048	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-7.048	-7.048	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-14.058	-14.058	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.01	-.01	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-8.083	-8.083	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-4.686	-4.686	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-4.686	-4.686	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-14.318	-14.318	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-15.081	-15.081	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-8.2	-8.2	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-8.2	-8.2	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	-6.761	-6.761	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-7.419	-7.419	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-7.419	-7.419	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-7.419	-7.419	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-7.419	-7.419	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	-7.419	-7.419	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	-7.419	-7.419	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	-7.419	-7.419	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-7.419	-7.419	0	%100
104	MP1B	Z	0	0	0	%100
105	M105	X	-6.761	-6.761	0	%100
106	M105	Z	0	0	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M117A	X	-6.736	-6.736	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	-6.736	-6.736	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	-7.558	-7.558	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	-7.558	-7.558	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-14.318	-14.318	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	-10.52	-10.52	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	-10.52	-10.52	0	%100
124	M130	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	-2.367	-2.367	0	%100
2	M1	Z	-1.367	-1.367	0	%100
3	M4	X	-7.312	-7.312	0	%100
4	M4	Z	-4.221	-4.221	0	%100
5	M10	X	-2.035	-2.035	0	%100
6	M10	Z	-1.175	-1.175	0	%100
7	MP3A	X	-6.425	-6.425	0	%100
8	MP3A	Z	-3.71	-3.71	0	%100
9	MP4A	X	-6.425	-6.425	0	%100
10	MP4A	Z	-3.71	-3.71	0	%100
11	MP2A	X	-6.425	-6.425	0	%100
12	MP2A	Z	-3.71	-3.71	0	%100
13	MP1A	X	-6.425	-6.425	0	%100
14	MP1A	Z	-3.71	-3.71	0	%100
15	M43	X	-2.035	-2.035	0	%100
16	M43	Z	-1.175	-1.175	0	%100
17	M46	X	-4.058	-4.058	0	%100
18	M46	Z	-2.343	-2.343	0	%100
19	M51B	X	-2.018	-2.018	0	%100
20	M51B	Z	-1.165	-1.165	0	%100
21	M52B	X	-9.009	-9.009	0	%100
22	M52B	Z	-5.202	-5.202	0	%100
23	M76	X	-12.174	-12.174	0	%100
24	M76	Z	-7.029	-7.029	0	%100
25	M77	X	-4.133	-4.133	0	%100
26	M77	Z	-2.386	-2.386	0	%100
27	M80	X	-4.353	-4.353	0	%100
28	M80	Z	-2.513	-2.513	0	%100
29	M84	X	-12.174	-12.174	0	%100
30	M84	Z	-7.029	-7.029	0	%100
31	M85	X	-16.533	-16.533	0	%100
32	M85	Z	-9.545	-9.545	0	%100

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,%]
33	M91	X	-17.414	-17.414	0	%100
34	M91	Z	-10.054	-10.054	0	%100
35	M52A	X	-7.312	-7.312	0	%100
36	M52A	Z	-4.221	-4.221	0	%100
37	M53	X	-2.035	-2.035	0	%100
38	M53	Z	-1.175	-1.175	0	%100
39	M54	X	-2.035	-2.035	0	%100
40	M54	Z	-1.175	-1.175	0	%100
41	M55	X	-4.058	-4.058	0	%100
42	M55	Z	-2.343	-2.343	0	%100
43	M58A	X	-9.009	-9.009	0	%100
44	M58A	Z	-5.202	-5.202	0	%100
45	M59A	X	-2.018	-2.018	0	%100
46	M59A	Z	-1.165	-1.165	0	%100
47	M63	X	-12.174	-12.174	0	%100
48	M63	Z	-7.029	-7.029	0	%100
49	M64	X	-16.533	-16.533	0	%100
50	M64	Z	-9.545	-9.545	0	%100
51	M66	X	-17.414	-17.414	0	%100
52	M66	Z	-10.054	-10.054	0	%100
53	M68	X	-12.174	-12.174	0	%100
54	M68	Z	-7.029	-7.029	0	%100
55	M69	X	-4.133	-4.133	0	%100
56	M69	Z	-2.386	-2.386	0	%100
57	M71	X	-4.353	-4.353	0	%100
58	M71	Z	-2.513	-2.513	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-8.138	-8.138	0	%100
62	M77A	Z	-4.699	-4.699	0	%100
63	M78	X	-8.138	-8.138	0	%100
64	M78	Z	-4.699	-4.699	0	%100
65	M79A	X	-16.232	-16.232	0	%100
66	M79A	Z	-9.372	-9.372	0	%100
67	M82	X	-2.499	-2.499	0	%100
68	M82	Z	-1.443	-1.443	0	%100
69	M83A	X	-2.499	-2.499	0	%100
70	M83A	Z	-1.443	-1.443	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-4.133	-4.133	0	%100
74	M88A	Z	-2.386	-2.386	0	%100
75	M90	X	-4.353	-4.353	0	%100
76	M90	Z	-2.513	-2.513	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-4.133	-4.133	0	%100
80	M93	Z	-2.386	-2.386	0	%100
81	M95	X	-4.353	-4.353	0	%100
82	M95	Z	-2.513	-2.513	0	%100
83	M82A	X	-2.367	-2.367	0	%100
84	M82A	Z	-1.367	-1.367	0	%100

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,%]
85	M91B	X	-9.469	-9.469	0	%100
86	M91B	Z	-5.467	-5.467	0	%100
87	M101	X	-5.855	-5.855	0	%100
88	M101	Z	-3.381	-3.381	0	%100
89	MP3C	X	-6.425	-6.425	0	%100
90	MP3C	Z	-3.71	-3.71	0	%100
91	MP4C	X	-6.425	-6.425	0	%100
92	MP4C	Z	-3.71	-3.71	0	%100
93	MP2C	X	-6.425	-6.425	0	%100
94	MP2C	Z	-3.71	-3.71	0	%100
95	MP1C	X	-6.425	-6.425	0	%100
96	MP1C	Z	-3.71	-3.71	0	%100
97	MP3B	X	-6.425	-6.425	0	%100
98	MP3B	Z	-3.71	-3.71	0	%100
99	MP4B	X	-6.425	-6.425	0	%100
100	MP4B	Z	-3.71	-3.71	0	%100
101	MP2B	X	-6.425	-6.425	0	%100
102	MP2B	Z	-3.71	-3.71	0	%100
103	MP1B	X	-6.425	-6.425	0	%100
104	MP1B	Z	-3.71	-3.71	0	%100
105	M105	X	-5.855	-5.855	0	%100
106	M105	Z	-3.381	-3.381	0	%100
107	M109	X	-1.945	-1.945	0	%100
108	M109	Z	-1.123	-1.123	0	%100
109	M117A	X	-1.945	-1.945	0	%100
110	M117A	Z	-1.123	-1.123	0	%100
111	M118A	X	-7.778	-7.778	0	%100
112	M118A	Z	-4.491	-4.491	0	%100
113	M125	X	-8.728	-8.728	0	%100
114	M125	Z	-5.039	-5.039	0	%100
115	M126	X	-2.182	-2.182	0	%100
116	M126	Z	-1.26	-1.26	0	%100
117	M127	X	-2.182	-2.182	0	%100
118	M127	Z	-1.26	-1.26	0	%100
119	M128	X	-11.303	-11.303	0	%100
120	M128	Z	-6.526	-6.526	0	%100
121	M129	X	-11.303	-11.303	0	%100
122	M129	Z	-6.526	-6.526	0	%100
123	M130	X	-8.015	-8.015	0	%100
124	M130	Z	-4.627	-4.627	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	-4.1	-4.1	0	%100
2	M1	Z	-7.102	-7.102	0	%100
3	M4	X	-1.407	-1.407	0	%100
4	M4	Z	-2.437	-2.437	0	%100
5	M10	X	-3.524	-3.524	0	%100
6	M10	Z	-6.104	-6.104	0	%100
7	MP3A	X	-3.71	-3.71	0	%100
8	MP3A	Z	-6.425	-6.425	0	%100

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,%]
9	MP4A	X	-3.71	-3.71	0	%100
10	MP4A	Z	-6.425	-6.425	0	%100
11	MP2A	X	-3.71	-3.71	0	%100
12	MP2A	Z	-6.425	-6.425	0	%100
13	MP1A	X	-3.71	-3.71	0	%100
14	MP1A	Z	-6.425	-6.425	0	%100
15	M43	X	-3.524	-3.524	0	%100
16	M43	Z	-6.104	-6.104	0	%100
17	M46	X	-7.029	-7.029	0	%100
18	M46	Z	-12.174	-12.174	0	%100
19	M51B	X	-.005	-.005	0	%100
20	M51B	Z	-.009	-.009	0	%100
21	M52B	X	-4.041	-4.041	0	%100
22	M52B	Z	-7	-7	0	%100
23	M76	X	-2.343	-2.343	0	%100
24	M76	Z	-4.058	-4.058	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-2.343	-2.343	0	%100
30	M84	Z	-4.058	-4.058	0	%100
31	M85	X	-7.159	-7.159	0	%100
32	M85	Z	-12.4	-12.4	0	%100
33	M91	X	-7.54	-7.54	0	%100
34	M91	Z	-13.06	-13.06	0	%100
35	M52A	X	-5.629	-5.629	0	%100
36	M52A	Z	-9.749	-9.749	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-3.763	-3.763	0	%100
44	M58A	Z	-6.519	-6.519	0	%100
45	M59A	X	-3.763	-3.763	0	%100
46	M59A	Z	-6.519	-6.519	0	%100
47	M63	X	-9.372	-9.372	0	%100
48	M63	Z	-16.232	-16.232	0	%100
49	M64	X	-7.159	-7.159	0	%100
50	M64	Z	-12.4	-12.4	0	%100
51	M66	X	-7.54	-7.54	0	%100
52	M66	Z	-13.06	-13.06	0	%100
53	M68	X	-9.372	-9.372	0	%100
54	M68	Z	-16.232	-16.232	0	%100
55	M69	X	-7.159	-7.159	0	%100
56	M69	Z	-12.4	-12.4	0	%100
57	M71	X	-7.54	-7.54	0	%100
58	M71	Z	-13.06	-13.06	0	%100
59	M76A	X	-1.407	-1.407	0	%100
60	M76A	Z	-2.437	-2.437	0	%100

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,%]
61	M77A	X	-3.524	-3.524	0	%100
62	M77A	Z	-6.104	-6.104	0	%100
63	M78	X	-3.524	-3.524	0	%100
64	M78	Z	-6.104	-6.104	0	%100
65	M79A	X	-7.029	-7.029	0	%100
66	M79A	Z	-12.174	-12.174	0	%100
67	M82	X	-4.041	-4.041	0	%100
68	M82	Z	-7	-7	0	%100
69	M83A	X	-.005	-.005	0	%100
70	M83A	Z	-.009	-.009	0	%100
71	M87	X	-2.343	-2.343	0	%100
72	M87	Z	-4.058	-4.058	0	%100
73	M88A	X	-7.159	-7.159	0	%100
74	M88A	Z	-12.4	-12.4	0	%100
75	M90	X	-7.54	-7.54	0	%100
76	M90	Z	-13.06	-13.06	0	%100
77	M92A	X	-2.343	-2.343	0	%100
78	M92A	Z	-4.058	-4.058	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-4.1	-4.1	0	%100
86	M91B	Z	-7.102	-7.102	0	%100
87	M101	X	-3.381	-3.381	0	%100
88	M101	Z	-5.855	-5.855	0	%100
89	MP3C	X	-3.71	-3.71	0	%100
90	MP3C	Z	-6.425	-6.425	0	%100
91	MP4C	X	-3.71	-3.71	0	%100
92	MP4C	Z	-6.425	-6.425	0	%100
93	MP2C	X	-3.71	-3.71	0	%100
94	MP2C	Z	-6.425	-6.425	0	%100
95	MP1C	X	-3.71	-3.71	0	%100
96	MP1C	Z	-6.425	-6.425	0	%100
97	MP3B	X	-3.71	-3.71	0	%100
98	MP3B	Z	-6.425	-6.425	0	%100
99	MP4B	X	-3.71	-3.71	0	%100
100	MP4B	Z	-6.425	-6.425	0	%100
101	MP2B	X	-3.71	-3.71	0	%100
102	MP2B	Z	-6.425	-6.425	0	%100
103	MP1B	X	-3.71	-3.71	0	%100
104	MP1B	Z	-6.425	-6.425	0	%100
105	M105	X	-3.381	-3.381	0	%100
106	M105	Z	-5.855	-5.855	0	%100
107	M109	X	-3.368	-3.368	0	%100
108	M109	Z	-5.834	-5.834	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	-3.368	-3.368	0	%100
112	M118A	Z	-5.834	-5.834	0	%100

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,%]
113	M125	X	-3.779	-3.779	0	%100
114	M125	Z	-6.546	-6.546	0	%100
115	M126	X	-3.779	-3.779	0	%100
116	M126	Z	-6.546	-6.546	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-5.26	-5.26	0	%100
120	M128	Z	-9.111	-9.111	0	%100
121	M129	X	-7.159	-7.159	0	%100
122	M129	Z	-12.4	-12.4	0	%100
123	M130	X	-5.26	-5.26	0	%100
124	M130	Z	-9.111	-9.111	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	-3.8	-3.8	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-2.954	-2.954	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-3.049	-3.049	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-3.049	-3.049	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.049	-3.049	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-3.049	-3.049	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-2.954	-2.954	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-4.44	-4.44	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.932	-.932	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.932	-.932	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.115	-1.115	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.16	-1.16	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.115	-1.115	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.16	-1.16	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-2.744	-2.744	0	%100

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,%]
37	M53	X	0	0	0	%100
38	M53	Z	-.739	-.739	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.739	-.739	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-1.11	-1.11	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.752	-.752	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-3.359	-3.359	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-3.3	-3.3	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-1.115	-1.115	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-1.16	-1.16	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-3.3	-3.3	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-4.461	-4.461	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-4.641	-4.641	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-2.744	-2.744	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.739	-.739	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.739	-.739	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	-1.11	-1.11	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-3.359	-3.359	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.752	-.752	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-3.3	-3.3	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-4.461	-4.461	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-4.641	-4.641	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-3.3	-3.3	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-1.115	-1.115	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-1.16	-1.16	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.95	-.95	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-.95	-.95	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	-2.688	-2.688	0	%100

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,%]
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-3.049	-3.049	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-3.049	-3.049	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-3.049	-3.049	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-3.049	-3.049	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-3.049	-3.049	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-3.049	-3.049	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-3.049	-3.049	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-3.049	-3.049	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-2.688	-2.688	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	-3.456	-3.456	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	-.864	-.864	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	-.864	-.864	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	-.731	-.731	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-2.922	-2.922	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	-.731	-.731	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-2.216	-2.216	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-3.663	-3.663	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-3.663	-3.663	0	%100

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	1.425	1.425	0	%100
2	M1	Z	-2.468	-2.468	0	%100
3	M4	X	.457	.457	0	%100
4	M4	Z	-.792	-.792	0	%100
5	M10	X	1.108	1.108	0	%100
6	M10	Z	-1.919	-1.919	0	%100
7	MP3A	X	1.525	1.525	0	%100
8	MP3A	Z	-2.641	-2.641	0	%100
9	MP4A	X	1.525	1.525	0	%100
10	MP4A	Z	-2.641	-2.641	0	%100
11	MP2A	X	1.525	1.525	0	%100
12	MP2A	Z	-2.641	-2.641	0	%100

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,%]
13	MP1A	X	1.525	1.525	0	%100
14	MP1A	Z	-2.641	-2.641	0	%100
15	M43	X	1.108	1.108	0	%100
16	M43	Z	-1.919	-1.919	0	%100
17	M46	X	1.665	1.665	0	%100
18	M46	Z	-2.884	-2.884	0	%100
19	M51B	X	1.305	1.305	0	%100
20	M51B	Z	-2.26	-2.26	0	%100
21	M52B	X	.002	.002	0	%100
22	M52B	Z	-.003	-.003	0	%100
23	M76	X	.55	.55	0	%100
24	M76	Z	-.953	-.953	0	%100
25	M77	X	1.673	1.673	0	%100
26	M77	Z	-2.898	-2.898	0	%100
27	M80	X	1.741	1.741	0	%100
28	M80	Z	-3.015	-3.015	0	%100
29	M84	X	.55	.55	0	%100
30	M84	Z	-.953	-.953	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.457	.457	0	%100
36	M52A	Z	-.792	-.792	0	%100
37	M53	X	1.108	1.108	0	%100
38	M53	Z	-1.919	-1.919	0	%100
39	M54	X	1.108	1.108	0	%100
40	M54	Z	-1.919	-1.919	0	%100
41	M55	X	1.665	1.665	0	%100
42	M55	Z	-2.884	-2.884	0	%100
43	M58A	X	.002	.002	0	%100
44	M58A	Z	-.003	-.003	0	%100
45	M59A	X	1.305	1.305	0	%100
46	M59A	Z	-2.26	-2.26	0	%100
47	M63	X	.55	.55	0	%100
48	M63	Z	-.953	-.953	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.55	.55	0	%100
54	M68	Z	-.953	-.953	0	%100
55	M69	X	1.673	1.673	0	%100
56	M69	Z	-2.898	-2.898	0	%100
57	M71	X	1.741	1.741	0	%100
58	M71	Z	-3.015	-3.015	0	%100
59	M76A	X	1.829	1.829	0	%100
60	M76A	Z	-3.168	-3.168	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100

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,%]
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	1.215	1.215	0	%100
68	M82	Z	-2.105	-2.105	0	%100
69	M83A	X	1.215	1.215	0	%100
70	M83A	Z	-2.105	-2.105	0	%100
71	M87	X	2.2	2.2	0	%100
72	M87	Z	-3.81	-3.81	0	%100
73	M88A	X	1.673	1.673	0	%100
74	M88A	Z	-2.898	-2.898	0	%100
75	M90	X	1.741	1.741	0	%100
76	M90	Z	-3.015	-3.015	0	%100
77	M92A	X	2.2	2.2	0	%100
78	M92A	Z	-3.81	-3.81	0	%100
79	M93	X	1.673	1.673	0	%100
80	M93	Z	-2.898	-2.898	0	%100
81	M95	X	1.741	1.741	0	%100
82	M95	Z	-3.015	-3.015	0	%100
83	M82A	X	1.425	1.425	0	%100
84	M82A	Z	-2.468	-2.468	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	1.344	1.344	0	%100
88	M101	Z	-2.328	-2.328	0	%100
89	MP3C	X	1.525	1.525	0	%100
90	MP3C	Z	-2.641	-2.641	0	%100
91	MP4C	X	1.525	1.525	0	%100
92	MP4C	Z	-2.641	-2.641	0	%100
93	MP2C	X	1.525	1.525	0	%100
94	MP2C	Z	-2.641	-2.641	0	%100
95	MP1C	X	1.525	1.525	0	%100
96	MP1C	Z	-2.641	-2.641	0	%100
97	MP3B	X	1.525	1.525	0	%100
98	MP3B	Z	-2.641	-2.641	0	%100
99	MP4B	X	1.525	1.525	0	%100
100	MP4B	Z	-2.641	-2.641	0	%100
101	MP2B	X	1.525	1.525	0	%100
102	MP2B	Z	-2.641	-2.641	0	%100
103	MP1B	X	1.525	1.525	0	%100
104	MP1B	Z	-2.641	-2.641	0	%100
105	M105	X	1.344	1.344	0	%100
106	M105	Z	-2.328	-2.328	0	%100
107	M109	X	1.296	1.296	0	%100
108	M109	Z	-2.244	-2.244	0	%100
109	M117A	X	1.296	1.296	0	%100
110	M117A	Z	-2.244	-2.244	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	1.096	1.096	0	%100
116	M126	Z	-1.898	-1.898	0	%100

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,%]
117	M127	X	1.096	1.096	0	%100
118	M127	Z	-1.898	-1.898	0	%100
119	M128	X	1.349	1.349	0	%100
120	M128	Z	-2.337	-2.337	0	%100
121	M129	X	1.349	1.349	0	%100
122	M129	Z	-2.337	-2.337	0	%100
123	M130	X	2.072	2.072	0	%100
124	M130	Z	-3.589	-3.589	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	.823	.823	0	%100
2	M1	Z	-.475	-.475	0	%100
3	M4	X	2.376	2.376	0	%100
4	M4	Z	-1.372	-1.372	0	%100
5	M10	X	.64	.64	0	%100
6	M10	Z	-.369	-.369	0	%100
7	MP3A	X	2.641	2.641	0	%100
8	MP3A	Z	-1.525	-1.525	0	%100
9	MP4A	X	2.641	2.641	0	%100
10	MP4A	Z	-1.525	-1.525	0	%100
11	MP2A	X	2.641	2.641	0	%100
12	MP2A	Z	-1.525	-1.525	0	%100
13	MP1A	X	2.641	2.641	0	%100
14	MP1A	Z	-1.525	-1.525	0	%100
15	M43	X	.64	.64	0	%100
16	M43	Z	-.369	-.369	0	%100
17	M46	X	.961	.961	0	%100
18	M46	Z	-.555	-.555	0	%100
19	M51B	X	2.909	2.909	0	%100
20	M51B	Z	-1.679	-1.679	0	%100
21	M52B	X	.652	.652	0	%100
22	M52B	Z	-.376	-.376	0	%100
23	M76	X	2.858	2.858	0	%100
24	M76	Z	-1.65	-1.65	0	%100
25	M77	X	3.863	3.863	0	%100
26	M77	Z	-2.231	-2.231	0	%100
27	M80	X	4.02	4.02	0	%100
28	M80	Z	-2.321	-2.321	0	%100
29	M84	X	2.858	2.858	0	%100
30	M84	Z	-1.65	-1.65	0	%100
31	M85	X	.966	.966	0	%100
32	M85	Z	-.558	-.558	0	%100
33	M91	X	1.005	1.005	0	%100
34	M91	Z	-.58	-.58	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.558	2.558	0	%100
38	M53	Z	-1.477	-1.477	0	%100
39	M54	X	2.558	2.558	0	%100
40	M54	Z	-1.477	-1.477	0	%100

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,%]
41	M55	X	3.845	3.845	0	%100
42	M55	Z	-2.22	-2.22	0	%100
43	M58A	X	.807	.807	0	%100
44	M58A	Z	-.466	-.466	0	%100
45	M59A	X	.807	.807	0	%100
46	M59A	Z	-.466	-.466	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.966	.966	0	%100
50	M64	Z	-.558	-.558	0	%100
51	M66	X	1.005	1.005	0	%100
52	M66	Z	-.58	-.58	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.966	.966	0	%100
56	M69	Z	-.558	-.558	0	%100
57	M71	X	1.005	1.005	0	%100
58	M71	Z	-.58	-.58	0	%100
59	M76A	X	2.376	2.376	0	%100
60	M76A	Z	-1.372	-1.372	0	%100
61	M77A	X	.64	.64	0	%100
62	M77A	Z	-.369	-.369	0	%100
63	M78	X	.64	.64	0	%100
64	M78	Z	-.369	-.369	0	%100
65	M79A	X	.961	.961	0	%100
66	M79A	Z	-.555	-.555	0	%100
67	M82	X	.652	.652	0	%100
68	M82	Z	-.376	-.376	0	%100
69	M83A	X	2.909	2.909	0	%100
70	M83A	Z	-1.679	-1.679	0	%100
71	M87	X	2.858	2.858	0	%100
72	M87	Z	-1.65	-1.65	0	%100
73	M88A	X	.966	.966	0	%100
74	M88A	Z	-.558	-.558	0	%100
75	M90	X	1.005	1.005	0	%100
76	M90	Z	-.58	-.58	0	%100
77	M92A	X	2.858	2.858	0	%100
78	M92A	Z	-1.65	-1.65	0	%100
79	M93	X	3.863	3.863	0	%100
80	M93	Z	-2.231	-2.231	0	%100
81	M95	X	4.02	4.02	0	%100
82	M95	Z	-2.321	-2.321	0	%100
83	M82A	X	3.291	3.291	0	%100
84	M82A	Z	-1.9	-1.9	0	%100
85	M91B	X	.823	.823	0	%100
86	M91B	Z	-.475	-.475	0	%100
87	M101	X	2.328	2.328	0	%100
88	M101	Z	-1.344	-1.344	0	%100
89	MP3C	X	2.641	2.641	0	%100
90	MP3C	Z	-1.525	-1.525	0	%100
91	MP4C	X	2.641	2.641	0	%100
92	MP4C	Z	-1.525	-1.525	0	%100

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,%]
93	MP2C	X	2.641	2.641	0	%100
94	MP2C	Z	-1.525	-1.525	0	%100
95	MP1C	X	2.641	2.641	0	%100
96	MP1C	Z	-1.525	-1.525	0	%100
97	MP3B	X	2.641	2.641	0	%100
98	MP3B	Z	-1.525	-1.525	0	%100
99	MP4B	X	2.641	2.641	0	%100
100	MP4B	Z	-1.525	-1.525	0	%100
101	MP2B	X	2.641	2.641	0	%100
102	MP2B	Z	-1.525	-1.525	0	%100
103	MP1B	X	2.641	2.641	0	%100
104	MP1B	Z	-1.525	-1.525	0	%100
105	M105	X	2.328	2.328	0	%100
106	M105	Z	-1.344	-1.344	0	%100
107	M109	X	.748	.748	0	%100
108	M109	Z	-.432	-.432	0	%100
109	M117A	X	2.993	2.993	0	%100
110	M117A	Z	-1.728	-1.728	0	%100
111	M118A	X	.748	.748	0	%100
112	M118A	Z	-.432	-.432	0	%100
113	M125	X	.633	.633	0	%100
114	M125	Z	-.365	-.365	0	%100
115	M126	X	.633	.633	0	%100
116	M126	Z	-.365	-.365	0	%100
117	M127	X	2.531	2.531	0	%100
118	M127	Z	-1.461	-1.461	0	%100
119	M128	X	3.172	3.172	0	%100
120	M128	Z	-1.831	-1.831	0	%100
121	M129	X	1.919	1.919	0	%100
122	M129	Z	-1.108	-1.108	0	%100
123	M130	X	3.172	3.172	0	%100
124	M130	Z	-1.831	-1.831	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	M4	X	3.658	3.658	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	3.049	3.049	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	3.049	3.049	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.049	3.049	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	3.049	3.049	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	2.43	2.43	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	2.43	2.43	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	4.4	4.4	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	3.346	3.346	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	3.481	3.481	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	4.4	4.4	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	3.346	3.346	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	3.481	3.481	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.915	.915	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	2.216	2.216	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	2.216	2.216	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	3.33	3.33	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	2.61	2.61	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	.003	.003	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	1.1	1.1	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	3.346	3.346	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	3.481	3.481	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	1.1	1.1	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.915	.915	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.216	2.216	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	2.216	2.216	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	3.33	3.33	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.003	.003	0	%100
68	M82	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M83A	X	2.61	2.61	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	1.1	1.1	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	1.1	1.1	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	3.346	3.346	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	3.481	3.481	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	2.85	2.85	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	2.85	2.85	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	2.688	2.688	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	3.049	3.049	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	3.049	3.049	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	3.049	3.049	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	3.049	3.049	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	3.049	3.049	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	3.049	3.049	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	3.049	3.049	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	3.049	3.049	0	%100
104	MP1B	Z	0	0	0	%100
105	M105	X	2.688	2.688	0	%100
106	M105	Z	0	0	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	0	0	0	%100
109	M117A	X	2.592	2.592	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	2.592	2.592	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	2.192	2.192	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	2.192	2.192	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	4.145	4.145	0	%100
120	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	M129	X	2.698	2.698	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	2.698	2.698	0	%100
124	M130	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	.823	.823	0	%100
2	M1	Z	.475	.475	0	%100
3	M4	X	2.376	2.376	0	%100
4	M4	Z	1.372	1.372	0	%100
5	M10	X	.64	.64	0	%100
6	M10	Z	.369	.369	0	%100
7	MP3A	X	2.641	2.641	0	%100
8	MP3A	Z	1.525	1.525	0	%100
9	MP4A	X	2.641	2.641	0	%100
10	MP4A	Z	1.525	1.525	0	%100
11	MP2A	X	2.641	2.641	0	%100
12	MP2A	Z	1.525	1.525	0	%100
13	MP1A	X	2.641	2.641	0	%100
14	MP1A	Z	1.525	1.525	0	%100
15	M43	X	.64	.64	0	%100
16	M43	Z	.369	.369	0	%100
17	M46	X	.961	.961	0	%100
18	M46	Z	.555	.555	0	%100
19	M51B	X	.652	.652	0	%100
20	M51B	Z	.376	.376	0	%100
21	M52B	X	2.909	2.909	0	%100
22	M52B	Z	1.679	1.679	0	%100
23	M76	X	2.858	2.858	0	%100
24	M76	Z	1.65	1.65	0	%100
25	M77	X	.966	.966	0	%100
26	M77	Z	.558	.558	0	%100
27	M80	X	1.005	1.005	0	%100
28	M80	Z	.58	.58	0	%100
29	M84	X	2.858	2.858	0	%100
30	M84	Z	1.65	1.65	0	%100
31	M85	X	3.863	3.863	0	%100
32	M85	Z	2.231	2.231	0	%100
33	M91	X	4.02	4.02	0	%100
34	M91	Z	2.321	2.321	0	%100
35	M52A	X	2.376	2.376	0	%100
36	M52A	Z	1.372	1.372	0	%100
37	M53	X	.64	.64	0	%100
38	M53	Z	.369	.369	0	%100
39	M54	X	.64	.64	0	%100
40	M54	Z	.369	.369	0	%100
41	M55	X	.961	.961	0	%100
42	M55	Z	.555	.555	0	%100
43	M58A	X	2.909	2.909	0	%100
44	M58A	Z	1.679	1.679	0	%100

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,%]
45	M59A	X	.652	.652	0	%100
46	M59A	Z	.376	.376	0	%100
47	M63	X	2.858	2.858	0	%100
48	M63	Z	1.65	1.65	0	%100
49	M64	X	3.863	3.863	0	%100
50	M64	Z	2.231	2.231	0	%100
51	M66	X	4.02	4.02	0	%100
52	M66	Z	2.321	2.321	0	%100
53	M68	X	2.858	2.858	0	%100
54	M68	Z	1.65	1.65	0	%100
55	M69	X	.966	.966	0	%100
56	M69	Z	.558	.558	0	%100
57	M71	X	1.005	1.005	0	%100
58	M71	Z	.58	.58	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	2.558	2.558	0	%100
62	M77A	Z	1.477	1.477	0	%100
63	M78	X	2.558	2.558	0	%100
64	M78	Z	1.477	1.477	0	%100
65	M79A	X	3.845	3.845	0	%100
66	M79A	Z	2.22	2.22	0	%100
67	M82	X	.807	.807	0	%100
68	M82	Z	.466	.466	0	%100
69	M83A	X	.807	.807	0	%100
70	M83A	Z	.466	.466	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	.966	.966	0	%100
74	M88A	Z	.558	.558	0	%100
75	M90	X	1.005	1.005	0	%100
76	M90	Z	.58	.58	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.966	.966	0	%100
80	M93	Z	.558	.558	0	%100
81	M95	X	1.005	1.005	0	%100
82	M95	Z	.58	.58	0	%100
83	M82A	X	.823	.823	0	%100
84	M82A	Z	.475	.475	0	%100
85	M91B	X	3.291	3.291	0	%100
86	M91B	Z	1.9	1.9	0	%100
87	M101	X	2.328	2.328	0	%100
88	M101	Z	1.344	1.344	0	%100
89	MP3C	X	2.641	2.641	0	%100
90	MP3C	Z	1.525	1.525	0	%100
91	MP4C	X	2.641	2.641	0	%100
92	MP4C	Z	1.525	1.525	0	%100
93	MP2C	X	2.641	2.641	0	%100
94	MP2C	Z	1.525	1.525	0	%100
95	MP1C	X	2.641	2.641	0	%100
96	MP1C	Z	1.525	1.525	0	%100

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,%]
97	MP3B	X	2.641	2.641	0	%100
98	MP3B	Z	1.525	1.525	0	%100
99	MP4B	X	2.641	2.641	0	%100
100	MP4B	Z	1.525	1.525	0	%100
101	MP2B	X	2.641	2.641	0	%100
102	MP2B	Z	1.525	1.525	0	%100
103	MP1B	X	2.641	2.641	0	%100
104	MP1B	Z	1.525	1.525	0	%100
105	M105	X	2.328	2.328	0	%100
106	M105	Z	1.344	1.344	0	%100
107	M109	X	.748	.748	0	%100
108	M109	Z	.432	.432	0	%100
109	M117A	X	.748	.748	0	%100
110	M117A	Z	.432	.432	0	%100
111	M118A	X	2.993	2.993	0	%100
112	M118A	Z	1.728	1.728	0	%100
113	M125	X	2.531	2.531	0	%100
114	M125	Z	1.461	1.461	0	%100
115	M126	X	.633	.633	0	%100
116	M126	Z	.365	.365	0	%100
117	M127	X	.633	.633	0	%100
118	M127	Z	.365	.365	0	%100
119	M128	X	3.172	3.172	0	%100
120	M128	Z	1.831	1.831	0	%100
121	M129	X	3.172	3.172	0	%100
122	M129	Z	1.831	1.831	0	%100
123	M130	X	1.919	1.919	0	%100
124	M130	Z	1.108	1.108	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	1.425	1.425	0	%100
2	M1	Z	2.468	2.468	0	%100
3	M4	X	.457	.457	0	%100
4	M4	Z	.792	.792	0	%100
5	M10	X	1.108	1.108	0	%100
6	M10	Z	1.919	1.919	0	%100
7	MP3A	X	1.525	1.525	0	%100
8	MP3A	Z	2.641	2.641	0	%100
9	MP4A	X	1.525	1.525	0	%100
10	MP4A	Z	2.641	2.641	0	%100
11	MP2A	X	1.525	1.525	0	%100
12	MP2A	Z	2.641	2.641	0	%100
13	MP1A	X	1.525	1.525	0	%100
14	MP1A	Z	2.641	2.641	0	%100
15	M43	X	1.108	1.108	0	%100
16	M43	Z	1.919	1.919	0	%100
17	M46	X	1.665	1.665	0	%100
18	M46	Z	2.884	2.884	0	%100
19	M51B	X	.002	.002	0	%100
20	M51B	Z	.003	.003	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M52B	X	1.305	1.305	0	%100
22	M52B	Z	2.26	2.26	0	%100
23	M76	X	.55	.55	0	%100
24	M76	Z	.953	.953	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.55	.55	0	%100
30	M84	Z	.953	.953	0	%100
31	M85	X	1.673	1.673	0	%100
32	M85	Z	2.898	2.898	0	%100
33	M91	X	1.741	1.741	0	%100
34	M91	Z	3.015	3.015	0	%100
35	M52A	X	1.829	1.829	0	%100
36	M52A	Z	3.168	3.168	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	1.215	1.215	0	%100
44	M58A	Z	2.105	2.105	0	%100
45	M59A	X	1.215	1.215	0	%100
46	M59A	Z	2.105	2.105	0	%100
47	M63	X	2.2	2.2	0	%100
48	M63	Z	3.81	3.81	0	%100
49	M64	X	1.673	1.673	0	%100
50	M64	Z	2.898	2.898	0	%100
51	M66	X	1.741	1.741	0	%100
52	M66	Z	3.015	3.015	0	%100
53	M68	X	2.2	2.2	0	%100
54	M68	Z	3.81	3.81	0	%100
55	M69	X	1.673	1.673	0	%100
56	M69	Z	2.898	2.898	0	%100
57	M71	X	1.741	1.741	0	%100
58	M71	Z	3.015	3.015	0	%100
59	M76A	X	.457	.457	0	%100
60	M76A	Z	.792	.792	0	%100
61	M77A	X	1.108	1.108	0	%100
62	M77A	Z	1.919	1.919	0	%100
63	M78	X	1.108	1.108	0	%100
64	M78	Z	1.919	1.919	0	%100
65	M79A	X	1.665	1.665	0	%100
66	M79A	Z	2.884	2.884	0	%100
67	M82	X	1.305	1.305	0	%100
68	M82	Z	2.26	2.26	0	%100
69	M83A	X	.002	.002	0	%100
70	M83A	Z	.003	.003	0	%100
71	M87	X	.55	.55	0	%100
72	M87	Z	.953	.953	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M88A	X	1.673	1.673	0	%100
74	M88A	Z	2.898	2.898	0	%100
75	M90	X	1.741	1.741	0	%100
76	M90	Z	3.015	3.015	0	%100
77	M92A	X	.55	.55	0	%100
78	M92A	Z	.953	.953	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	1.425	1.425	0	%100
86	M91B	Z	2.468	2.468	0	%100
87	M101	X	1.344	1.344	0	%100
88	M101	Z	2.328	2.328	0	%100
89	MP3C	X	1.525	1.525	0	%100
90	MP3C	Z	2.641	2.641	0	%100
91	MP4C	X	1.525	1.525	0	%100
92	MP4C	Z	2.641	2.641	0	%100
93	MP2C	X	1.525	1.525	0	%100
94	MP2C	Z	2.641	2.641	0	%100
95	MP1C	X	1.525	1.525	0	%100
96	MP1C	Z	2.641	2.641	0	%100
97	MP3B	X	1.525	1.525	0	%100
98	MP3B	Z	2.641	2.641	0	%100
99	MP4B	X	1.525	1.525	0	%100
100	MP4B	Z	2.641	2.641	0	%100
101	MP2B	X	1.525	1.525	0	%100
102	MP2B	Z	2.641	2.641	0	%100
103	MP1B	X	1.525	1.525	0	%100
104	MP1B	Z	2.641	2.641	0	%100
105	M105	X	1.344	1.344	0	%100
106	M105	Z	2.328	2.328	0	%100
107	M109	X	1.296	1.296	0	%100
108	M109	Z	2.244	2.244	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	1.296	1.296	0	%100
112	M118A	Z	2.244	2.244	0	%100
113	M125	X	1.096	1.096	0	%100
114	M125	Z	1.898	1.898	0	%100
115	M126	X	1.096	1.096	0	%100
116	M126	Z	1.898	1.898	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	1.349	1.349	0	%100
120	M128	Z	2.337	2.337	0	%100
121	M129	X	2.072	2.072	0	%100
122	M129	Z	3.589	3.589	0	%100
123	M130	X	1.349	1.349	0	%100
124	M130	Z	2.337	2.337	0	%100

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	3.8	3.8	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	2.954	2.954	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	3.049	3.049	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	3.049	3.049	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.049	3.049	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	3.049	3.049	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	2.954	2.954	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	4.44	4.44	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.932	.932	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.932	.932	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.115	1.115	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.16	1.16	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.115	1.115	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.16	1.16	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	2.744	2.744	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.739	.739	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.739	.739	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	1.11	1.11	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.752	.752	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	3.359	3.359	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	3.3	3.3	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	1.115	1.115	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	1.16	1.16	0	%100

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,%]
53	M68	X	0	0	0	%100
54	M68	Z	3.3	3.3	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	4.461	4.461	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	4.641	4.641	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	2.744	2.744	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.739	.739	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.739	.739	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	1.11	1.11	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	3.359	3.359	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.752	.752	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	3.3	3.3	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	4.461	4.461	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	4.641	4.641	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	3.3	3.3	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	1.115	1.115	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	1.16	1.16	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.95	.95	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.95	.95	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	2.688	2.688	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	3.049	3.049	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	3.049	3.049	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	3.049	3.049	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	3.049	3.049	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	3.049	3.049	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	3.049	3.049	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	3.049	3.049	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	3.049	3.049	0	%100

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,%]
105	M105	X	0	0	0	%100
106	M105	Z	2.688	2.688	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	3.456	3.456	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	.864	.864	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	.864	.864	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	.731	.731	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	2.922	2.922	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	.731	.731	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	2.216	2.216	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	3.663	3.663	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	3.663	3.663	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	-1.425	-1.425	0	%100
2	M1	Z	2.468	2.468	0	%100
3	M4	X	-.457	-.457	0	%100
4	M4	Z	.792	.792	0	%100
5	M10	X	-1.108	-1.108	0	%100
6	M10	Z	1.919	1.919	0	%100
7	MP3A	X	-1.525	-1.525	0	%100
8	MP3A	Z	2.641	2.641	0	%100
9	MP4A	X	-1.525	-1.525	0	%100
10	MP4A	Z	2.641	2.641	0	%100
11	MP2A	X	-1.525	-1.525	0	%100
12	MP2A	Z	2.641	2.641	0	%100
13	MP1A	X	-1.525	-1.525	0	%100
14	MP1A	Z	2.641	2.641	0	%100
15	M43	X	-1.108	-1.108	0	%100
16	M43	Z	1.919	1.919	0	%100
17	M46	X	-1.665	-1.665	0	%100
18	M46	Z	2.884	2.884	0	%100
19	M51B	X	-1.305	-1.305	0	%100
20	M51B	Z	2.26	2.26	0	%100
21	M52B	X	-.002	-.002	0	%100
22	M52B	Z	.003	.003	0	%100
23	M76	X	-.55	-.55	0	%100
24	M76	Z	.953	.953	0	%100
25	M77	X	-1.673	-1.673	0	%100
26	M77	Z	2.898	2.898	0	%100
27	M80	X	-1.741	-1.741	0	%100
28	M80	Z	3.015	3.015	0	%100

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,%]
29	M84	X	-.55	-.55	0	%100
30	M84	Z	.953	.953	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.457	-.457	0	%100
36	M52A	Z	.792	.792	0	%100
37	M53	X	-1.108	-1.108	0	%100
38	M53	Z	1.919	1.919	0	%100
39	M54	X	-1.108	-1.108	0	%100
40	M54	Z	1.919	1.919	0	%100
41	M55	X	-1.665	-1.665	0	%100
42	M55	Z	2.884	2.884	0	%100
43	M58A	X	-.002	-.002	0	%100
44	M58A	Z	.003	.003	0	%100
45	M59A	X	-1.305	-1.305	0	%100
46	M59A	Z	2.26	2.26	0	%100
47	M63	X	-.55	-.55	0	%100
48	M63	Z	.953	.953	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.55	-.55	0	%100
54	M68	Z	.953	.953	0	%100
55	M69	X	-1.673	-1.673	0	%100
56	M69	Z	2.898	2.898	0	%100
57	M71	X	-1.741	-1.741	0	%100
58	M71	Z	3.015	3.015	0	%100
59	M76A	X	-1.829	-1.829	0	%100
60	M76A	Z	3.168	3.168	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-1.215	-1.215	0	%100
68	M82	Z	2.105	2.105	0	%100
69	M83A	X	-1.215	-1.215	0	%100
70	M83A	Z	2.105	2.105	0	%100
71	M87	X	-2.2	-2.2	0	%100
72	M87	Z	3.81	3.81	0	%100
73	M88A	X	-1.673	-1.673	0	%100
74	M88A	Z	2.898	2.898	0	%100
75	M90	X	-1.741	-1.741	0	%100
76	M90	Z	3.015	3.015	0	%100
77	M92A	X	-2.2	-2.2	0	%100
78	M92A	Z	3.81	3.81	0	%100
79	M93	X	-1.673	-1.673	0	%100
80	M93	Z	2.898	2.898	0	%100

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,%]
81	M95	X	-1.741	-1.741	0	%100
82	M95	Z	3.015	3.015	0	%100
83	M82A	X	-1.425	-1.425	0	%100
84	M82A	Z	2.468	2.468	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	-1.344	-1.344	0	%100
88	M101	Z	2.328	2.328	0	%100
89	MP3C	X	-1.525	-1.525	0	%100
90	MP3C	Z	2.641	2.641	0	%100
91	MP4C	X	-1.525	-1.525	0	%100
92	MP4C	Z	2.641	2.641	0	%100
93	MP2C	X	-1.525	-1.525	0	%100
94	MP2C	Z	2.641	2.641	0	%100
95	MP1C	X	-1.525	-1.525	0	%100
96	MP1C	Z	2.641	2.641	0	%100
97	MP3B	X	-1.525	-1.525	0	%100
98	MP3B	Z	2.641	2.641	0	%100
99	MP4B	X	-1.525	-1.525	0	%100
100	MP4B	Z	2.641	2.641	0	%100
101	MP2B	X	-1.525	-1.525	0	%100
102	MP2B	Z	2.641	2.641	0	%100
103	MP1B	X	-1.525	-1.525	0	%100
104	MP1B	Z	2.641	2.641	0	%100
105	M105	X	-1.344	-1.344	0	%100
106	M105	Z	2.328	2.328	0	%100
107	M109	X	-1.296	-1.296	0	%100
108	M109	Z	2.244	2.244	0	%100
109	M117A	X	-1.296	-1.296	0	%100
110	M117A	Z	2.244	2.244	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-1.096	-1.096	0	%100
116	M126	Z	1.898	1.898	0	%100
117	M127	X	-1.096	-1.096	0	%100
118	M127	Z	1.898	1.898	0	%100
119	M128	X	-1.349	-1.349	0	%100
120	M128	Z	2.337	2.337	0	%100
121	M129	X	-1.349	-1.349	0	%100
122	M129	Z	2.337	2.337	0	%100
123	M130	X	-2.072	-2.072	0	%100
124	M130	Z	3.589	3.589	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	-.823	-.823	0	%100
2	M1	Z	.475	.475	0	%100
3	M4	X	-2.376	-2.376	0	%100
4	M4	Z	1.372	1.372	0	%100

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,%]
5	M10	X	-.64	-.64	0	%100
6	M10	Z	.369	.369	0	%100
7	MP3A	X	-2.641	-2.641	0	%100
8	MP3A	Z	1.525	1.525	0	%100
9	MP4A	X	-2.641	-2.641	0	%100
10	MP4A	Z	1.525	1.525	0	%100
11	MP2A	X	-2.641	-2.641	0	%100
12	MP2A	Z	1.525	1.525	0	%100
13	MP1A	X	-2.641	-2.641	0	%100
14	MP1A	Z	1.525	1.525	0	%100
15	M43	X	-.64	-.64	0	%100
16	M43	Z	.369	.369	0	%100
17	M46	X	-.961	-.961	0	%100
18	M46	Z	.555	.555	0	%100
19	M51B	X	-2.909	-2.909	0	%100
20	M51B	Z	1.679	1.679	0	%100
21	M52B	X	-.652	-.652	0	%100
22	M52B	Z	.376	.376	0	%100
23	M76	X	-2.858	-2.858	0	%100
24	M76	Z	1.65	1.65	0	%100
25	M77	X	-3.863	-3.863	0	%100
26	M77	Z	2.231	2.231	0	%100
27	M80	X	-4.02	-4.02	0	%100
28	M80	Z	2.321	2.321	0	%100
29	M84	X	-2.858	-2.858	0	%100
30	M84	Z	1.65	1.65	0	%100
31	M85	X	-.966	-.966	0	%100
32	M85	Z	.558	.558	0	%100
33	M91	X	-1.005	-1.005	0	%100
34	M91	Z	.58	.58	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.558	-2.558	0	%100
38	M53	Z	1.477	1.477	0	%100
39	M54	X	-2.558	-2.558	0	%100
40	M54	Z	1.477	1.477	0	%100
41	M55	X	-3.845	-3.845	0	%100
42	M55	Z	2.22	2.22	0	%100
43	M58A	X	-.807	-.807	0	%100
44	M58A	Z	.466	.466	0	%100
45	M59A	X	-.807	-.807	0	%100
46	M59A	Z	.466	.466	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.966	-.966	0	%100
50	M64	Z	.558	.558	0	%100
51	M66	X	-1.005	-1.005	0	%100
52	M66	Z	.58	.58	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.966	-.966	0	%100
56	M69	Z	.558	.558	0	%100

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,%]
57	M71	X	-1.005	-1.005	0	%100
58	M71	Z	.58	.58	0	%100
59	M76A	X	-2.376	-2.376	0	%100
60	M76A	Z	1.372	1.372	0	%100
61	M77A	X	-.64	-.64	0	%100
62	M77A	Z	.369	.369	0	%100
63	M78	X	-.64	-.64	0	%100
64	M78	Z	.369	.369	0	%100
65	M79A	X	-.961	-.961	0	%100
66	M79A	Z	.555	.555	0	%100
67	M82	X	-.652	-.652	0	%100
68	M82	Z	.376	.376	0	%100
69	M83A	X	-2.909	-2.909	0	%100
70	M83A	Z	1.679	1.679	0	%100
71	M87	X	-2.858	-2.858	0	%100
72	M87	Z	1.65	1.65	0	%100
73	M88A	X	-.966	-.966	0	%100
74	M88A	Z	.558	.558	0	%100
75	M90	X	-1.005	-1.005	0	%100
76	M90	Z	.58	.58	0	%100
77	M92A	X	-2.858	-2.858	0	%100
78	M92A	Z	1.65	1.65	0	%100
79	M93	X	-3.863	-3.863	0	%100
80	M93	Z	2.231	2.231	0	%100
81	M95	X	-4.02	-4.02	0	%100
82	M95	Z	2.321	2.321	0	%100
83	M82A	X	-3.291	-3.291	0	%100
84	M82A	Z	1.9	1.9	0	%100
85	M91B	X	-.823	-.823	0	%100
86	M91B	Z	.475	.475	0	%100
87	M101	X	-2.328	-2.328	0	%100
88	M101	Z	1.344	1.344	0	%100
89	MP3C	X	-2.641	-2.641	0	%100
90	MP3C	Z	1.525	1.525	0	%100
91	MP4C	X	-2.641	-2.641	0	%100
92	MP4C	Z	1.525	1.525	0	%100
93	MP2C	X	-2.641	-2.641	0	%100
94	MP2C	Z	1.525	1.525	0	%100
95	MP1C	X	-2.641	-2.641	0	%100
96	MP1C	Z	1.525	1.525	0	%100
97	MP3B	X	-2.641	-2.641	0	%100
98	MP3B	Z	1.525	1.525	0	%100
99	MP4B	X	-2.641	-2.641	0	%100
100	MP4B	Z	1.525	1.525	0	%100
101	MP2B	X	-2.641	-2.641	0	%100
102	MP2B	Z	1.525	1.525	0	%100
103	MP1B	X	-2.641	-2.641	0	%100
104	MP1B	Z	1.525	1.525	0	%100
105	M105	X	-2.328	-2.328	0	%100
106	M105	Z	1.344	1.344	0	%100
107	M109	X	-.748	-.748	0	%100
108	M109	Z	.432	.432	0	%100

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,%]
109	M117A	X	-2.993	-2.993	0	%100
110	M117A	Z	1.728	1.728	0	%100
111	M118A	X	-.748	-.748	0	%100
112	M118A	Z	.432	.432	0	%100
113	M125	X	-.633	-.633	0	%100
114	M125	Z	.365	.365	0	%100
115	M126	X	-.633	-.633	0	%100
116	M126	Z	.365	.365	0	%100
117	M127	X	-2.531	-2.531	0	%100
118	M127	Z	1.461	1.461	0	%100
119	M128	X	-3.172	-3.172	0	%100
120	M128	Z	1.831	1.831	0	%100
121	M129	X	-1.919	-1.919	0	%100
122	M129	Z	1.108	1.108	0	%100
123	M130	X	-3.172	-3.172	0	%100
124	M130	Z	1.831	1.831	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	M4	X	-3.658	-3.658	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-3.049	-3.049	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-3.049	-3.049	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.049	-3.049	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-3.049	-3.049	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-2.43	-2.43	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-2.43	-2.43	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-4.4	-4.4	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-3.346	-3.346	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-3.481	-3.481	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-4.4	-4.4	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-3.346	-3.346	0	%100
32	M85	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M91	X	-3.481	-3.481	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.915	-.915	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-2.216	-2.216	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-2.216	-2.216	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-3.33	-3.33	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-2.61	-2.61	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.003	-.003	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-1.1	-1.1	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-3.346	-3.346	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-3.481	-3.481	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-1.1	-1.1	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-.915	-.915	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-2.216	-2.216	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-2.216	-2.216	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-3.33	-3.33	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.003	-.003	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-2.61	-2.61	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-1.1	-1.1	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-1.1	-1.1	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-3.346	-3.346	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-3.481	-3.481	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-2.85	-2.85	0	%100
84	M82A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M91B	X	-2.85	-2.85	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	-2.688	-2.688	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-3.049	-3.049	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-3.049	-3.049	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-3.049	-3.049	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-3.049	-3.049	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	-3.049	-3.049	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	-3.049	-3.049	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	-3.049	-3.049	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-3.049	-3.049	0	%100
104	MP1B	Z	0	0	0	%100
105	M105	X	-2.688	-2.688	0	%100
106	M105	Z	0	0	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	0	0	0	%100
109	M117A	X	-2.592	-2.592	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	-2.592	-2.592	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	-2.192	-2.192	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	-2.192	-2.192	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-4.145	-4.145	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	-2.698	-2.698	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	-2.698	-2.698	0	%100
124	M130	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	-.823	-.823	0	%100
2	M1	Z	-.475	-.475	0	%100
3	M4	X	-2.376	-2.376	0	%100
4	M4	Z	-1.372	-1.372	0	%100
5	M10	X	-.64	-.64	0	%100
6	M10	Z	-.369	-.369	0	%100
7	MP3A	X	-2.641	-2.641	0	%100
8	MP3A	Z	-1.525	-1.525	0	%100

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,%]
9	MP4A	X	-2.641	-2.641	0	%100
10	MP4A	Z	-1.525	-1.525	0	%100
11	MP2A	X	-2.641	-2.641	0	%100
12	MP2A	Z	-1.525	-1.525	0	%100
13	MP1A	X	-2.641	-2.641	0	%100
14	MP1A	Z	-1.525	-1.525	0	%100
15	M43	X	-.64	-.64	0	%100
16	M43	Z	-.369	-.369	0	%100
17	M46	X	-.961	-.961	0	%100
18	M46	Z	-.555	-.555	0	%100
19	M51B	X	-.652	-.652	0	%100
20	M51B	Z	-.376	-.376	0	%100
21	M52B	X	-2.909	-2.909	0	%100
22	M52B	Z	-1.679	-1.679	0	%100
23	M76	X	-2.858	-2.858	0	%100
24	M76	Z	-1.65	-1.65	0	%100
25	M77	X	-.966	-.966	0	%100
26	M77	Z	-.558	-.558	0	%100
27	M80	X	-1.005	-1.005	0	%100
28	M80	Z	-.58	-.58	0	%100
29	M84	X	-2.858	-2.858	0	%100
30	M84	Z	-1.65	-1.65	0	%100
31	M85	X	-3.863	-3.863	0	%100
32	M85	Z	-2.231	-2.231	0	%100
33	M91	X	-4.02	-4.02	0	%100
34	M91	Z	-2.321	-2.321	0	%100
35	M52A	X	-2.376	-2.376	0	%100
36	M52A	Z	-1.372	-1.372	0	%100
37	M53	X	-.64	-.64	0	%100
38	M53	Z	-.369	-.369	0	%100
39	M54	X	-.64	-.64	0	%100
40	M54	Z	-.369	-.369	0	%100
41	M55	X	-.961	-.961	0	%100
42	M55	Z	-.555	-.555	0	%100
43	M58A	X	-2.909	-2.909	0	%100
44	M58A	Z	-1.679	-1.679	0	%100
45	M59A	X	-.652	-.652	0	%100
46	M59A	Z	-.376	-.376	0	%100
47	M63	X	-2.858	-2.858	0	%100
48	M63	Z	-1.65	-1.65	0	%100
49	M64	X	-3.863	-3.863	0	%100
50	M64	Z	-2.231	-2.231	0	%100
51	M66	X	-4.02	-4.02	0	%100
52	M66	Z	-2.321	-2.321	0	%100
53	M68	X	-2.858	-2.858	0	%100
54	M68	Z	-1.65	-1.65	0	%100
55	M69	X	-.966	-.966	0	%100
56	M69	Z	-.558	-.558	0	%100
57	M71	X	-1.005	-1.005	0	%100
58	M71	Z	-.58	-.58	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100

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,%]
61	M77A	X	-2.558	-2.558	0	%100
62	M77A	Z	-1.477	-1.477	0	%100
63	M78	X	-2.558	-2.558	0	%100
64	M78	Z	-1.477	-1.477	0	%100
65	M79A	X	-3.845	-3.845	0	%100
66	M79A	Z	-2.22	-2.22	0	%100
67	M82	X	-.807	-.807	0	%100
68	M82	Z	-.466	-.466	0	%100
69	M83A	X	-.807	-.807	0	%100
70	M83A	Z	-.466	-.466	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.966	-.966	0	%100
74	M88A	Z	-.558	-.558	0	%100
75	M90	X	-1.005	-1.005	0	%100
76	M90	Z	-.58	-.58	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.966	-.966	0	%100
80	M93	Z	-.558	-.558	0	%100
81	M95	X	-1.005	-1.005	0	%100
82	M95	Z	-.58	-.58	0	%100
83	M82A	X	-.823	-.823	0	%100
84	M82A	Z	-.475	-.475	0	%100
85	M91B	X	-3.291	-3.291	0	%100
86	M91B	Z	-1.9	-1.9	0	%100
87	M101	X	-2.328	-2.328	0	%100
88	M101	Z	-1.344	-1.344	0	%100
89	MP3C	X	-2.641	-2.641	0	%100
90	MP3C	Z	-1.525	-1.525	0	%100
91	MP4C	X	-2.641	-2.641	0	%100
92	MP4C	Z	-1.525	-1.525	0	%100
93	MP2C	X	-2.641	-2.641	0	%100
94	MP2C	Z	-1.525	-1.525	0	%100
95	MP1C	X	-2.641	-2.641	0	%100
96	MP1C	Z	-1.525	-1.525	0	%100
97	MP3B	X	-2.641	-2.641	0	%100
98	MP3B	Z	-1.525	-1.525	0	%100
99	MP4B	X	-2.641	-2.641	0	%100
100	MP4B	Z	-1.525	-1.525	0	%100
101	MP2B	X	-2.641	-2.641	0	%100
102	MP2B	Z	-1.525	-1.525	0	%100
103	MP1B	X	-2.641	-2.641	0	%100
104	MP1B	Z	-1.525	-1.525	0	%100
105	M105	X	-2.328	-2.328	0	%100
106	M105	Z	-1.344	-1.344	0	%100
107	M109	X	-.748	-.748	0	%100
108	M109	Z	-.432	-.432	0	%100
109	M117A	X	-.748	-.748	0	%100
110	M117A	Z	-.432	-.432	0	%100
111	M118A	X	-2.993	-2.993	0	%100
112	M118A	Z	-1.728	-1.728	0	%100

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,%]
113	M125	X	-2.531	-2.531	0	%100
114	M125	Z	-1.461	-1.461	0	%100
115	M126	X	-.633	-.633	0	%100
116	M126	Z	-.365	-.365	0	%100
117	M127	X	-.633	-.633	0	%100
118	M127	Z	-.365	-.365	0	%100
119	M128	X	-3.172	-3.172	0	%100
120	M128	Z	-1.831	-1.831	0	%100
121	M129	X	-3.172	-3.172	0	%100
122	M129	Z	-1.831	-1.831	0	%100
123	M130	X	-1.919	-1.919	0	%100
124	M130	Z	-1.108	-1.108	0	%100

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	-1.425	-1.425	0	%100
2	M1	Z	-2.468	-2.468	0	%100
3	M4	X	-.457	-.457	0	%100
4	M4	Z	-.792	-.792	0	%100
5	M10	X	-1.108	-1.108	0	%100
6	M10	Z	-1.919	-1.919	0	%100
7	MP3A	X	-1.525	-1.525	0	%100
8	MP3A	Z	-2.641	-2.641	0	%100
9	MP4A	X	-1.525	-1.525	0	%100
10	MP4A	Z	-2.641	-2.641	0	%100
11	MP2A	X	-1.525	-1.525	0	%100
12	MP2A	Z	-2.641	-2.641	0	%100
13	MP1A	X	-1.525	-1.525	0	%100
14	MP1A	Z	-2.641	-2.641	0	%100
15	M43	X	-1.108	-1.108	0	%100
16	M43	Z	-1.919	-1.919	0	%100
17	M46	X	-1.665	-1.665	0	%100
18	M46	Z	-2.884	-2.884	0	%100
19	M51B	X	-.002	-.002	0	%100
20	M51B	Z	-.003	-.003	0	%100
21	M52B	X	-1.305	-1.305	0	%100
22	M52B	Z	-2.26	-2.26	0	%100
23	M76	X	-.55	-.55	0	%100
24	M76	Z	-.953	-.953	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.55	-.55	0	%100
30	M84	Z	-.953	-.953	0	%100
31	M85	X	-1.673	-1.673	0	%100
32	M85	Z	-2.898	-2.898	0	%100
33	M91	X	-1.741	-1.741	0	%100
34	M91	Z	-3.015	-3.015	0	%100
35	M52A	X	-1.829	-1.829	0	%100
36	M52A	Z	-3.168	-3.168	0	%100

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,%]
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-1.215	-1.215	0	%100
44	M58A	Z	-2.105	-2.105	0	%100
45	M59A	X	-1.215	-1.215	0	%100
46	M59A	Z	-2.105	-2.105	0	%100
47	M63	X	-2.2	-2.2	0	%100
48	M63	Z	-3.81	-3.81	0	%100
49	M64	X	-1.673	-1.673	0	%100
50	M64	Z	-2.898	-2.898	0	%100
51	M66	X	-1.741	-1.741	0	%100
52	M66	Z	-3.015	-3.015	0	%100
53	M68	X	-2.2	-2.2	0	%100
54	M68	Z	-3.81	-3.81	0	%100
55	M69	X	-1.673	-1.673	0	%100
56	M69	Z	-2.898	-2.898	0	%100
57	M71	X	-1.741	-1.741	0	%100
58	M71	Z	-3.015	-3.015	0	%100
59	M76A	X	-.457	-.457	0	%100
60	M76A	Z	-.792	-.792	0	%100
61	M77A	X	-1.108	-1.108	0	%100
62	M77A	Z	-1.919	-1.919	0	%100
63	M78	X	-1.108	-1.108	0	%100
64	M78	Z	-1.919	-1.919	0	%100
65	M79A	X	-1.665	-1.665	0	%100
66	M79A	Z	-2.884	-2.884	0	%100
67	M82	X	-1.305	-1.305	0	%100
68	M82	Z	-2.26	-2.26	0	%100
69	M83A	X	-.002	-.002	0	%100
70	M83A	Z	-.003	-.003	0	%100
71	M87	X	-.55	-.55	0	%100
72	M87	Z	-.953	-.953	0	%100
73	M88A	X	-1.673	-1.673	0	%100
74	M88A	Z	-2.898	-2.898	0	%100
75	M90	X	-1.741	-1.741	0	%100
76	M90	Z	-3.015	-3.015	0	%100
77	M92A	X	-.55	-.55	0	%100
78	M92A	Z	-.953	-.953	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-1.425	-1.425	0	%100
86	M91B	Z	-2.468	-2.468	0	%100
87	M101	X	-1.344	-1.344	0	%100
88	M101	Z	-2.328	-2.328	0	%100

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,%]
89	MP3C	X	-1.525	-1.525	0	%100
90	MP3C	Z	-2.641	-2.641	0	%100
91	MP4C	X	-1.525	-1.525	0	%100
92	MP4C	Z	-2.641	-2.641	0	%100
93	MP2C	X	-1.525	-1.525	0	%100
94	MP2C	Z	-2.641	-2.641	0	%100
95	MP1C	X	-1.525	-1.525	0	%100
96	MP1C	Z	-2.641	-2.641	0	%100
97	MP3B	X	-1.525	-1.525	0	%100
98	MP3B	Z	-2.641	-2.641	0	%100
99	MP4B	X	-1.525	-1.525	0	%100
100	MP4B	Z	-2.641	-2.641	0	%100
101	MP2B	X	-1.525	-1.525	0	%100
102	MP2B	Z	-2.641	-2.641	0	%100
103	MP1B	X	-1.525	-1.525	0	%100
104	MP1B	Z	-2.641	-2.641	0	%100
105	M105	X	-1.344	-1.344	0	%100
106	M105	Z	-2.328	-2.328	0	%100
107	M109	X	-1.296	-1.296	0	%100
108	M109	Z	-2.244	-2.244	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	-1.296	-1.296	0	%100
112	M118A	Z	-2.244	-2.244	0	%100
113	M125	X	-1.096	-1.096	0	%100
114	M125	Z	-1.898	-1.898	0	%100
115	M126	X	-1.096	-1.096	0	%100
116	M126	Z	-1.898	-1.898	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-1.349	-1.349	0	%100
120	M128	Z	-2.337	-2.337	0	%100
121	M129	X	-2.072	-2.072	0	%100
122	M129	Z	-3.589	-3.589	0	%100
123	M130	X	-1.349	-1.349	0	%100
124	M130	Z	-2.337	-2.337	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	-.695	-.695	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.597	-.597	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.472	-.472	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.472	-.472	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.472	-.472	0	%100

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,%]
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.472	-.472	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.597	-.597	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.191	-1.191	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-.183	-.183	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.183	-.183	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-.303	-.303	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.319	-.319	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-.303	-.303	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-.319	-.319	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	-.537	-.537	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	-.149	-.149	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	-.149	-.149	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	-.298	-.298	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	-.148	-.148	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	-.661	-.661	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	-.893	-.893	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	-.303	-.303	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	-.319	-.319	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	-.893	-.893	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	-1.213	-1.213	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	-1.278	-1.278	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	-.537	-.537	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	-.149	-.149	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	-.149	-.149	0	%100

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,%]
65	M79A	X	0	0	0	%100
66	M79A	Z	-.298	-.298	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	-.661	-.661	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	-.148	-.148	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	-.893	-.893	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	-1.213	-1.213	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	-1.278	-1.278	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	-.893	-.893	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	-.303	-.303	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	-.319	-.319	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	-.174	-.174	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	-.174	-.174	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	-.43	-.43	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.472	-.472	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-.472	-.472	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	-.472	-.472	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	-.472	-.472	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	-.472	-.472	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	-.472	-.472	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	-.472	-.472	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	-.472	-.472	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	-.43	-.43	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	-.571	-.571	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	-.143	-.143	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	-.143	-.143	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	-.16	-.16	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	-.64	-.64	0	%100

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,%]
117	M127	X	0	0	0	%100
118	M127	Z	-.16	-.16	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	-.588	-.588	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	-.83	-.83	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	-.83	-.83	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	.261	.261	0	%100
2	M1	Z	-.451	-.451	0	%100
3	M4	X	.089	.089	0	%100
4	M4	Z	-.155	-.155	0	%100
5	M10	X	.224	.224	0	%100
6	M10	Z	-.388	-.388	0	%100
7	MP3A	X	.236	.236	0	%100
8	MP3A	Z	-.408	-.408	0	%100
9	MP4A	X	.236	.236	0	%100
10	MP4A	Z	-.408	-.408	0	%100
11	MP2A	X	.236	.236	0	%100
12	MP2A	Z	-.408	-.408	0	%100
13	MP1A	X	.236	.236	0	%100
14	MP1A	Z	-.408	-.408	0	%100
15	M43	X	.224	.224	0	%100
16	M43	Z	-.388	-.388	0	%100
17	M46	X	.447	.447	0	%100
18	M46	Z	-.774	-.774	0	%100
19	M51B	X	.257	.257	0	%100
20	M51B	Z	-.445	-.445	0	%100
21	M52B	X	.000315	.000315	0	%100
22	M52B	Z	-.000545	-.000545	0	%100
23	M76	X	.149	.149	0	%100
24	M76	Z	-.258	-.258	0	%100
25	M77	X	.455	.455	0	%100
26	M77	Z	-.788	-.788	0	%100
27	M80	X	.479	.479	0	%100
28	M80	Z	-.83	-.83	0	%100
29	M84	X	.149	.149	0	%100
30	M84	Z	-.258	-.258	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.089	.089	0	%100
36	M52A	Z	-.155	-.155	0	%100
37	M53	X	.224	.224	0	%100
38	M53	Z	-.388	-.388	0	%100
39	M54	X	.224	.224	0	%100
40	M54	Z	-.388	-.388	0	%100

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,%]
41	M55	X	.447	.447	0	%100
42	M55	Z	-.774	-.774	0	%100
43	M58A	X	.000315	.000315	0	%100
44	M58A	Z	-.000545	-.000545	0	%100
45	M59A	X	.257	.257	0	%100
46	M59A	Z	-.445	-.445	0	%100
47	M63	X	.149	.149	0	%100
48	M63	Z	-.258	-.258	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.149	.149	0	%100
54	M68	Z	-.258	-.258	0	%100
55	M69	X	.455	.455	0	%100
56	M69	Z	-.788	-.788	0	%100
57	M71	X	.479	.479	0	%100
58	M71	Z	-.83	-.83	0	%100
59	M76A	X	.358	.358	0	%100
60	M76A	Z	-.62	-.62	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.239	.239	0	%100
68	M82	Z	-.414	-.414	0	%100
69	M83A	X	.239	.239	0	%100
70	M83A	Z	-.414	-.414	0	%100
71	M87	X	.596	.596	0	%100
72	M87	Z	-1.032	-1.032	0	%100
73	M88A	X	.455	.455	0	%100
74	M88A	Z	-.788	-.788	0	%100
75	M90	X	.479	.479	0	%100
76	M90	Z	-.83	-.83	0	%100
77	M92A	X	.596	.596	0	%100
78	M92A	Z	-1.032	-1.032	0	%100
79	M93	X	.455	.455	0	%100
80	M93	Z	-.788	-.788	0	%100
81	M95	X	.479	.479	0	%100
82	M95	Z	-.83	-.83	0	%100
83	M82A	X	.261	.261	0	%100
84	M82A	Z	-.451	-.451	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	.215	.215	0	%100
88	M101	Z	-.372	-.372	0	%100
89	MP3C	X	.236	.236	0	%100
90	MP3C	Z	-.408	-.408	0	%100
91	MP4C	X	.236	.236	0	%100
92	MP4C	Z	-.408	-.408	0	%100

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,%]
93	MP2C	X	.236	.236	0	%100
94	MP2C	Z	-.408	-.408	0	%100
95	MP1C	X	.236	.236	0	%100
96	MP1C	Z	-.408	-.408	0	%100
97	MP3B	X	.236	.236	0	%100
98	MP3B	Z	-.408	-.408	0	%100
99	MP4B	X	.236	.236	0	%100
100	MP4B	Z	-.408	-.408	0	%100
101	MP2B	X	.236	.236	0	%100
102	MP2B	Z	-.408	-.408	0	%100
103	MP1B	X	.236	.236	0	%100
104	MP1B	Z	-.408	-.408	0	%100
105	M105	X	.215	.215	0	%100
106	M105	Z	-.372	-.372	0	%100
107	M109	X	.214	.214	0	%100
108	M109	Z	-.371	-.371	0	%100
109	M117A	X	.214	.214	0	%100
110	M117A	Z	-.371	-.371	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	.24	.24	0	%100
116	M126	Z	-.416	-.416	0	%100
117	M127	X	.24	.24	0	%100
118	M127	Z	-.416	-.416	0	%100
119	M128	X	.334	.334	0	%100
120	M128	Z	-.579	-.579	0	%100
121	M129	X	.334	.334	0	%100
122	M129	Z	-.579	-.579	0	%100
123	M130	X	.455	.455	0	%100
124	M130	Z	-.788	-.788	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	.15	.15	0	%100
2	M1	Z	-.087	-.087	0	%100
3	M4	X	.465	.465	0	%100
4	M4	Z	-.268	-.268	0	%100
5	M10	X	.129	.129	0	%100
6	M10	Z	-.075	-.075	0	%100
7	MP3A	X	.408	.408	0	%100
8	MP3A	Z	-.236	-.236	0	%100
9	MP4A	X	.408	.408	0	%100
10	MP4A	Z	-.236	-.236	0	%100
11	MP2A	X	.408	.408	0	%100
12	MP2A	Z	-.236	-.236	0	%100
13	MP1A	X	.408	.408	0	%100
14	MP1A	Z	-.236	-.236	0	%100
15	M43	X	.129	.129	0	%100
16	M43	Z	-.075	-.075	0	%100

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,%]
17	M46	X	.258	.258	0	%100
18	M46	Z	-.149	-.149	0	%100
19	M51B	X	.573	.573	0	%100
20	M51B	Z	-.331	-.331	0	%100
21	M52B	X	.128	.128	0	%100
22	M52B	Z	-.074	-.074	0	%100
23	M76	X	.774	.774	0	%100
24	M76	Z	-.447	-.447	0	%100
25	M77	X	1.051	1.051	0	%100
26	M77	Z	-.607	-.607	0	%100
27	M80	X	1.107	1.107	0	%100
28	M80	Z	-.639	-.639	0	%100
29	M84	X	.774	.774	0	%100
30	M84	Z	-.447	-.447	0	%100
31	M85	X	.263	.263	0	%100
32	M85	Z	-.152	-.152	0	%100
33	M91	X	.277	.277	0	%100
34	M91	Z	-.16	-.16	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.517	.517	0	%100
38	M53	Z	-.299	-.299	0	%100
39	M54	X	.517	.517	0	%100
40	M54	Z	-.299	-.299	0	%100
41	M55	X	1.032	1.032	0	%100
42	M55	Z	-.596	-.596	0	%100
43	M58A	X	.159	.159	0	%100
44	M58A	Z	-.092	-.092	0	%100
45	M59A	X	.159	.159	0	%100
46	M59A	Z	-.092	-.092	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.263	.263	0	%100
50	M64	Z	-.152	-.152	0	%100
51	M66	X	.277	.277	0	%100
52	M66	Z	-.16	-.16	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	.263	.263	0	%100
56	M69	Z	-.152	-.152	0	%100
57	M71	X	.277	.277	0	%100
58	M71	Z	-.16	-.16	0	%100
59	M76A	X	.465	.465	0	%100
60	M76A	Z	-.268	-.268	0	%100
61	M77A	X	.129	.129	0	%100
62	M77A	Z	-.075	-.075	0	%100
63	M78	X	.129	.129	0	%100
64	M78	Z	-.075	-.075	0	%100
65	M79A	X	.258	.258	0	%100
66	M79A	Z	-.149	-.149	0	%100
67	M82	X	.128	.128	0	%100
68	M82	Z	-.074	-.074	0	%100

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,%]
69	M83A	X	.573	.573	0	%100
70	M83A	Z	-.331	-.331	0	%100
71	M87	X	.774	.774	0	%100
72	M87	Z	-.447	-.447	0	%100
73	M88A	X	.263	.263	0	%100
74	M88A	Z	-.152	-.152	0	%100
75	M90	X	.277	.277	0	%100
76	M90	Z	-.16	-.16	0	%100
77	M92A	X	.774	.774	0	%100
78	M92A	Z	-.447	-.447	0	%100
79	M93	X	1.051	1.051	0	%100
80	M93	Z	-.607	-.607	0	%100
81	M95	X	1.107	1.107	0	%100
82	M95	Z	-.639	-.639	0	%100
83	M82A	X	.602	.602	0	%100
84	M82A	Z	-.347	-.347	0	%100
85	M91B	X	.15	.15	0	%100
86	M91B	Z	-.087	-.087	0	%100
87	M101	X	.372	.372	0	%100
88	M101	Z	-.215	-.215	0	%100
89	MP3C	X	.408	.408	0	%100
90	MP3C	Z	-.236	-.236	0	%100
91	MP4C	X	.408	.408	0	%100
92	MP4C	Z	-.236	-.236	0	%100
93	MP2C	X	.408	.408	0	%100
94	MP2C	Z	-.236	-.236	0	%100
95	MP1C	X	.408	.408	0	%100
96	MP1C	Z	-.236	-.236	0	%100
97	MP3B	X	.408	.408	0	%100
98	MP3B	Z	-.236	-.236	0	%100
99	MP4B	X	.408	.408	0	%100
100	MP4B	Z	-.236	-.236	0	%100
101	MP2B	X	.408	.408	0	%100
102	MP2B	Z	-.236	-.236	0	%100
103	MP1B	X	.408	.408	0	%100
104	MP1B	Z	-.236	-.236	0	%100
105	M105	X	.372	.372	0	%100
106	M105	Z	-.215	-.215	0	%100
107	M109	X	.124	.124	0	%100
108	M109	Z	-.071	-.071	0	%100
109	M117A	X	.494	.494	0	%100
110	M117A	Z	-.285	-.285	0	%100
111	M118A	X	.124	.124	0	%100
112	M118A	Z	-.071	-.071	0	%100
113	M125	X	.139	.139	0	%100
114	M125	Z	-.08	-.08	0	%100
115	M126	X	.139	.139	0	%100
116	M126	Z	-.08	-.08	0	%100
117	M127	X	.555	.555	0	%100
118	M127	Z	-.32	-.32	0	%100
119	M128	X	.718	.718	0	%100
120	M128	Z	-.415	-.415	0	%100

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,%]
121	M129	X	.509	.509	0	%100
122	M129	Z	-.294	-.294	0	%100
123	M130	X	.718	.718	0	%100
124	M130	Z	-.415	-.415	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	M4	X	.715	.715	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.472	.472	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	.472	.472	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.472	.472	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.472	.472	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.478	.478	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.478	.478	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.191	1.191	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	.91	.91	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	.958	.958	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.191	1.191	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	.91	.91	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	.958	.958	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	.179	.179	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	.448	.448	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	.448	.448	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	.893	.893	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.514	.514	0	%100
44	M58A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
45	M59A	X	.000629	.000629	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	.298	.298	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	.91	.91	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	.958	.958	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	.298	.298	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	.179	.179	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.448	.448	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	.448	.448	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	.893	.893	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	.000629	.000629	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	.514	.514	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	.298	.298	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	.298	.298	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.91	.91	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	.958	.958	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	.521	.521	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.521	.521	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	.43	.43	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	.472	.472	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	.472	.472	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	.472	.472	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	.472	.472	0	%100
96	MP1C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP3B	X	.472	.472	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	.472	.472	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	.472	.472	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	.472	.472	0	%100
104	MP1B	Z	0	0	0	%100
105	M105	X	.43	.43	0	%100
106	M105	Z	0	0	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	0	0	0	%100
109	M117A	X	.428	.428	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	.428	.428	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	.48	.48	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	.48	.48	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.91	.91	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	.669	.669	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	.669	.669	0	%100
124	M130	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.15	.15	0	%100
2	M1	Z	.087	.087	0	%100
3	M4	X	.465	.465	0	%100
4	M4	Z	.268	.268	0	%100
5	M10	X	.129	.129	0	%100
6	M10	Z	.075	.075	0	%100
7	MP3A	X	.408	.408	0	%100
8	MP3A	Z	.236	.236	0	%100
9	MP4A	X	.408	.408	0	%100
10	MP4A	Z	.236	.236	0	%100
11	MP2A	X	.408	.408	0	%100
12	MP2A	Z	.236	.236	0	%100
13	MP1A	X	.408	.408	0	%100
14	MP1A	Z	.236	.236	0	%100
15	M43	X	.129	.129	0	%100
16	M43	Z	.075	.075	0	%100
17	M46	X	.258	.258	0	%100
18	M46	Z	.149	.149	0	%100
19	M51B	X	.128	.128	0	%100
20	M51B	Z	.074	.074	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,%]
21	M52B	X	.573	.573	0	%100
22	M52B	Z	.331	.331	0	%100
23	M76	X	.774	.774	0	%100
24	M76	Z	.447	.447	0	%100
25	M77	X	.263	.263	0	%100
26	M77	Z	.152	.152	0	%100
27	M80	X	.277	.277	0	%100
28	M80	Z	.16	.16	0	%100
29	M84	X	.774	.774	0	%100
30	M84	Z	.447	.447	0	%100
31	M85	X	1.051	1.051	0	%100
32	M85	Z	.607	.607	0	%100
33	M91	X	1.107	1.107	0	%100
34	M91	Z	.639	.639	0	%100
35	M52A	X	.465	.465	0	%100
36	M52A	Z	.268	.268	0	%100
37	M53	X	.129	.129	0	%100
38	M53	Z	.075	.075	0	%100
39	M54	X	.129	.129	0	%100
40	M54	Z	.075	.075	0	%100
41	M55	X	.258	.258	0	%100
42	M55	Z	.149	.149	0	%100
43	M58A	X	.573	.573	0	%100
44	M58A	Z	.331	.331	0	%100
45	M59A	X	.128	.128	0	%100
46	M59A	Z	.074	.074	0	%100
47	M63	X	.774	.774	0	%100
48	M63	Z	.447	.447	0	%100
49	M64	X	1.051	1.051	0	%100
50	M64	Z	.607	.607	0	%100
51	M66	X	1.107	1.107	0	%100
52	M66	Z	.639	.639	0	%100
53	M68	X	.774	.774	0	%100
54	M68	Z	.447	.447	0	%100
55	M69	X	.263	.263	0	%100
56	M69	Z	.152	.152	0	%100
57	M71	X	.277	.277	0	%100
58	M71	Z	.16	.16	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	.517	.517	0	%100
62	M77A	Z	.299	.299	0	%100
63	M78	X	.517	.517	0	%100
64	M78	Z	.299	.299	0	%100
65	M79A	X	1.032	1.032	0	%100
66	M79A	Z	.596	.596	0	%100
67	M82	X	.159	.159	0	%100
68	M82	Z	.092	.092	0	%100
69	M83A	X	.159	.159	0	%100
70	M83A	Z	.092	.092	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	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,%]
73	M88A	X	.263	.263	0	%100
74	M88A	Z	.152	.152	0	%100
75	M90	X	.277	.277	0	%100
76	M90	Z	.16	.16	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	.263	.263	0	%100
80	M93	Z	.152	.152	0	%100
81	M95	X	.277	.277	0	%100
82	M95	Z	.16	.16	0	%100
83	M82A	X	.15	.15	0	%100
84	M82A	Z	.087	.087	0	%100
85	M91B	X	.602	.602	0	%100
86	M91B	Z	.347	.347	0	%100
87	M101	X	.372	.372	0	%100
88	M101	Z	.215	.215	0	%100
89	MP3C	X	.408	.408	0	%100
90	MP3C	Z	.236	.236	0	%100
91	MP4C	X	.408	.408	0	%100
92	MP4C	Z	.236	.236	0	%100
93	MP2C	X	.408	.408	0	%100
94	MP2C	Z	.236	.236	0	%100
95	MP1C	X	.408	.408	0	%100
96	MP1C	Z	.236	.236	0	%100
97	MP3B	X	.408	.408	0	%100
98	MP3B	Z	.236	.236	0	%100
99	MP4B	X	.408	.408	0	%100
100	MP4B	Z	.236	.236	0	%100
101	MP2B	X	.408	.408	0	%100
102	MP2B	Z	.236	.236	0	%100
103	MP1B	X	.408	.408	0	%100
104	MP1B	Z	.236	.236	0	%100
105	M105	X	.372	.372	0	%100
106	M105	Z	.215	.215	0	%100
107	M109	X	.124	.124	0	%100
108	M109	Z	.071	.071	0	%100
109	M117A	X	.124	.124	0	%100
110	M117A	Z	.071	.071	0	%100
111	M118A	X	.494	.494	0	%100
112	M118A	Z	.285	.285	0	%100
113	M125	X	.555	.555	0	%100
114	M125	Z	.32	.32	0	%100
115	M126	X	.139	.139	0	%100
116	M126	Z	.08	.08	0	%100
117	M127	X	.139	.139	0	%100
118	M127	Z	.08	.08	0	%100
119	M128	X	.718	.718	0	%100
120	M128	Z	.415	.415	0	%100
121	M129	X	.718	.718	0	%100
122	M129	Z	.415	.415	0	%100
123	M130	X	.509	.509	0	%100
124	M130	Z	.294	.294	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	.261	.261	0	%100
2	M1	Z	.451	.451	0	%100
3	M4	X	.089	.089	0	%100
4	M4	Z	.155	.155	0	%100
5	M10	X	.224	.224	0	%100
6	M10	Z	.388	.388	0	%100
7	MP3A	X	.236	.236	0	%100
8	MP3A	Z	.408	.408	0	%100
9	MP4A	X	.236	.236	0	%100
10	MP4A	Z	.408	.408	0	%100
11	MP2A	X	.236	.236	0	%100
12	MP2A	Z	.408	.408	0	%100
13	MP1A	X	.236	.236	0	%100
14	MP1A	Z	.408	.408	0	%100
15	M43	X	.224	.224	0	%100
16	M43	Z	.388	.388	0	%100
17	M46	X	.447	.447	0	%100
18	M46	Z	.774	.774	0	%100
19	M51B	X	.000315	.000315	0	%100
20	M51B	Z	.000545	.000545	0	%100
21	M52B	X	.257	.257	0	%100
22	M52B	Z	.445	.445	0	%100
23	M76	X	.149	.149	0	%100
24	M76	Z	.258	.258	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.149	.149	0	%100
30	M84	Z	.258	.258	0	%100
31	M85	X	.455	.455	0	%100
32	M85	Z	.788	.788	0	%100
33	M91	X	.479	.479	0	%100
34	M91	Z	.83	.83	0	%100
35	M52A	X	.358	.358	0	%100
36	M52A	Z	.62	.62	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	.239	.239	0	%100
44	M58A	Z	.414	.414	0	%100
45	M59A	X	.239	.239	0	%100
46	M59A	Z	.414	.414	0	%100
47	M63	X	.596	.596	0	%100
48	M63	Z	1.032	1.032	0	%100
49	M64	X	.455	.455	0	%100
50	M64	Z	.788	.788	0	%100
51	M66	X	.479	.479	0	%100
52	M66	Z	.83	.83	0	%100

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,%]
53	M68	X	.596	.596	0	%100
54	M68	Z	1.032	1.032	0	%100
55	M69	X	.455	.455	0	%100
56	M69	Z	.788	.788	0	%100
57	M71	X	.479	.479	0	%100
58	M71	Z	.83	.83	0	%100
59	M76A	X	.089	.089	0	%100
60	M76A	Z	.155	.155	0	%100
61	M77A	X	.224	.224	0	%100
62	M77A	Z	.388	.388	0	%100
63	M78	X	.224	.224	0	%100
64	M78	Z	.388	.388	0	%100
65	M79A	X	.447	.447	0	%100
66	M79A	Z	.774	.774	0	%100
67	M82	X	.257	.257	0	%100
68	M82	Z	.445	.445	0	%100
69	M83A	X	.000315	.000315	0	%100
70	M83A	Z	.000545	.000545	0	%100
71	M87	X	.149	.149	0	%100
72	M87	Z	.258	.258	0	%100
73	M88A	X	.455	.455	0	%100
74	M88A	Z	.788	.788	0	%100
75	M90	X	.479	.479	0	%100
76	M90	Z	.83	.83	0	%100
77	M92A	X	.149	.149	0	%100
78	M92A	Z	.258	.258	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	.261	.261	0	%100
86	M91B	Z	.451	.451	0	%100
87	M101	X	.215	.215	0	%100
88	M101	Z	.372	.372	0	%100
89	MP3C	X	.236	.236	0	%100
90	MP3C	Z	.408	.408	0	%100
91	MP4C	X	.236	.236	0	%100
92	MP4C	Z	.408	.408	0	%100
93	MP2C	X	.236	.236	0	%100
94	MP2C	Z	.408	.408	0	%100
95	MP1C	X	.236	.236	0	%100
96	MP1C	Z	.408	.408	0	%100
97	MP3B	X	.236	.236	0	%100
98	MP3B	Z	.408	.408	0	%100
99	MP4B	X	.236	.236	0	%100
100	MP4B	Z	.408	.408	0	%100
101	MP2B	X	.236	.236	0	%100
102	MP2B	Z	.408	.408	0	%100
103	MP1B	X	.236	.236	0	%100
104	MP1B	Z	.408	.408	0	%100

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,%]
105	M105	X	.215	.215	0	%100
106	M105	Z	.372	.372	0	%100
107	M109	X	.214	.214	0	%100
108	M109	Z	.371	.371	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	.214	.214	0	%100
112	M118A	Z	.371	.371	0	%100
113	M125	X	.24	.24	0	%100
114	M125	Z	.416	.416	0	%100
115	M126	X	.24	.24	0	%100
116	M126	Z	.416	.416	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	.334	.334	0	%100
120	M128	Z	.579	.579	0	%100
121	M129	X	.455	.455	0	%100
122	M129	Z	.788	.788	0	%100
123	M130	X	.334	.334	0	%100
124	M130	Z	.579	.579	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	.695	.695	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.597	.597	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.472	.472	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.472	.472	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.472	.472	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.472	.472	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.597	.597	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.191	1.191	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.183	.183	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.183	.183	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.303	.303	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.319	.319	0	%100

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,%]
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.303	.303	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.319	.319	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	.537	.537	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	.149	.149	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	.149	.149	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	.298	.298	0	%100
43	M58A	X	0	0	0	%100
44	M58A	Z	.148	.148	0	%100
45	M59A	X	0	0	0	%100
46	M59A	Z	.661	.661	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	.893	.893	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	.303	.303	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	.319	.319	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	.893	.893	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	1.213	1.213	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	1.278	1.278	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	.537	.537	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	.149	.149	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	.149	.149	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	.298	.298	0	%100
67	M82	X	0	0	0	%100
68	M82	Z	.661	.661	0	%100
69	M83A	X	0	0	0	%100
70	M83A	Z	.148	.148	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	.893	.893	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	1.213	1.213	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	1.278	1.278	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	.893	.893	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	.303	.303	0	%100

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,%]
81	M95	X	0	0	0	%100
82	M95	Z	.319	.319	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	.174	.174	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	.174	.174	0	%100
87	M101	X	0	0	0	%100
88	M101	Z	.43	.43	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.472	.472	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.472	.472	0	%100
93	MP2C	X	0	0	0	%100
94	MP2C	Z	.472	.472	0	%100
95	MP1C	X	0	0	0	%100
96	MP1C	Z	.472	.472	0	%100
97	MP3B	X	0	0	0	%100
98	MP3B	Z	.472	.472	0	%100
99	MP4B	X	0	0	0	%100
100	MP4B	Z	.472	.472	0	%100
101	MP2B	X	0	0	0	%100
102	MP2B	Z	.472	.472	0	%100
103	MP1B	X	0	0	0	%100
104	MP1B	Z	.472	.472	0	%100
105	M105	X	0	0	0	%100
106	M105	Z	.43	.43	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	.571	.571	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	.143	.143	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	.143	.143	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	.16	.16	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	.64	.64	0	%100
117	M127	X	0	0	0	%100
118	M127	Z	.16	.16	0	%100
119	M128	X	0	0	0	%100
120	M128	Z	.588	.588	0	%100
121	M129	X	0	0	0	%100
122	M129	Z	.83	.83	0	%100
123	M130	X	0	0	0	%100
124	M130	Z	.83	.83	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	-.261	-.261	0	%100
2	M1	Z	.451	.451	0	%100
3	M4	X	-.089	-.089	0	%100
4	M4	Z	.155	.155	0	%100

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,%]
5	M10	X	-.224	-.224	0	%100
6	M10	Z	.388	.388	0	%100
7	MP3A	X	-.236	-.236	0	%100
8	MP3A	Z	.408	.408	0	%100
9	MP4A	X	-.236	-.236	0	%100
10	MP4A	Z	.408	.408	0	%100
11	MP2A	X	-.236	-.236	0	%100
12	MP2A	Z	.408	.408	0	%100
13	MP1A	X	-.236	-.236	0	%100
14	MP1A	Z	.408	.408	0	%100
15	M43	X	-.224	-.224	0	%100
16	M43	Z	.388	.388	0	%100
17	M46	X	-.447	-.447	0	%100
18	M46	Z	.774	.774	0	%100
19	M51B	X	-.257	-.257	0	%100
20	M51B	Z	.445	.445	0	%100
21	M52B	X	-.000315	-.000315	0	%100
22	M52B	Z	.000545	.000545	0	%100
23	M76	X	-.149	-.149	0	%100
24	M76	Z	.258	.258	0	%100
25	M77	X	-.455	-.455	0	%100
26	M77	Z	.788	.788	0	%100
27	M80	X	-.479	-.479	0	%100
28	M80	Z	.83	.83	0	%100
29	M84	X	-.149	-.149	0	%100
30	M84	Z	.258	.258	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.089	-.089	0	%100
36	M52A	Z	.155	.155	0	%100
37	M53	X	-.224	-.224	0	%100
38	M53	Z	.388	.388	0	%100
39	M54	X	-.224	-.224	0	%100
40	M54	Z	.388	.388	0	%100
41	M55	X	-.447	-.447	0	%100
42	M55	Z	.774	.774	0	%100
43	M58A	X	-.000315	-.000315	0	%100
44	M58A	Z	.000545	.000545	0	%100
45	M59A	X	-.257	-.257	0	%100
46	M59A	Z	.445	.445	0	%100
47	M63	X	-.149	-.149	0	%100
48	M63	Z	.258	.258	0	%100
49	M64	X	0	0	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	0	0	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.149	-.149	0	%100
54	M68	Z	.258	.258	0	%100
55	M69	X	-.455	-.455	0	%100
56	M69	Z	.788	.788	0	%100

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,%]
57	M71	X	-.479	-.479	0	%100
58	M71	Z	.83	.83	0	%100
59	M76A	X	-.358	-.358	0	%100
60	M76A	Z	.62	.62	0	%100
61	M77A	X	0	0	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	0	0	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	0	0	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.239	-.239	0	%100
68	M82	Z	.414	.414	0	%100
69	M83A	X	-.239	-.239	0	%100
70	M83A	Z	.414	.414	0	%100
71	M87	X	-.596	-.596	0	%100
72	M87	Z	1.032	1.032	0	%100
73	M88A	X	-.455	-.455	0	%100
74	M88A	Z	.788	.788	0	%100
75	M90	X	-.479	-.479	0	%100
76	M90	Z	.83	.83	0	%100
77	M92A	X	-.596	-.596	0	%100
78	M92A	Z	1.032	1.032	0	%100
79	M93	X	-.455	-.455	0	%100
80	M93	Z	.788	.788	0	%100
81	M95	X	-.479	-.479	0	%100
82	M95	Z	.83	.83	0	%100
83	M82A	X	-.261	-.261	0	%100
84	M82A	Z	.451	.451	0	%100
85	M91B	X	0	0	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	-.215	-.215	0	%100
88	M101	Z	.372	.372	0	%100
89	MP3C	X	-.236	-.236	0	%100
90	MP3C	Z	.408	.408	0	%100
91	MP4C	X	-.236	-.236	0	%100
92	MP4C	Z	.408	.408	0	%100
93	MP2C	X	-.236	-.236	0	%100
94	MP2C	Z	.408	.408	0	%100
95	MP1C	X	-.236	-.236	0	%100
96	MP1C	Z	.408	.408	0	%100
97	MP3B	X	-.236	-.236	0	%100
98	MP3B	Z	.408	.408	0	%100
99	MP4B	X	-.236	-.236	0	%100
100	MP4B	Z	.408	.408	0	%100
101	MP2B	X	-.236	-.236	0	%100
102	MP2B	Z	.408	.408	0	%100
103	MP1B	X	-.236	-.236	0	%100
104	MP1B	Z	.408	.408	0	%100
105	M105	X	-.215	-.215	0	%100
106	M105	Z	.372	.372	0	%100
107	M109	X	-.214	-.214	0	%100
108	M109	Z	.371	.371	0	%100

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,%]
109	M117A	X	-.214	-.214	0	%100
110	M117A	Z	.371	.371	0	%100
111	M118A	X	0	0	0	%100
112	M118A	Z	0	0	0	%100
113	M125	X	0	0	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	-.24	-.24	0	%100
116	M126	Z	.416	.416	0	%100
117	M127	X	-.24	-.24	0	%100
118	M127	Z	.416	.416	0	%100
119	M128	X	-.334	-.334	0	%100
120	M128	Z	.579	.579	0	%100
121	M129	X	-.334	-.334	0	%100
122	M129	Z	.579	.579	0	%100
123	M130	X	-.455	-.455	0	%100
124	M130	Z	.788	.788	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	-.15	-.15	0	%100
2	M1	Z	.087	.087	0	%100
3	M4	X	-.465	-.465	0	%100
4	M4	Z	.268	.268	0	%100
5	M10	X	-.129	-.129	0	%100
6	M10	Z	.075	.075	0	%100
7	MP3A	X	-.408	-.408	0	%100
8	MP3A	Z	.236	.236	0	%100
9	MP4A	X	-.408	-.408	0	%100
10	MP4A	Z	.236	.236	0	%100
11	MP2A	X	-.408	-.408	0	%100
12	MP2A	Z	.236	.236	0	%100
13	MP1A	X	-.408	-.408	0	%100
14	MP1A	Z	.236	.236	0	%100
15	M43	X	-.129	-.129	0	%100
16	M43	Z	.075	.075	0	%100
17	M46	X	-.258	-.258	0	%100
18	M46	Z	.149	.149	0	%100
19	M51B	X	-.573	-.573	0	%100
20	M51B	Z	.331	.331	0	%100
21	M52B	X	-.128	-.128	0	%100
22	M52B	Z	.074	.074	0	%100
23	M76	X	-.774	-.774	0	%100
24	M76	Z	.447	.447	0	%100
25	M77	X	-1.051	-1.051	0	%100
26	M77	Z	.607	.607	0	%100
27	M80	X	-1.107	-1.107	0	%100
28	M80	Z	.639	.639	0	%100
29	M84	X	-.774	-.774	0	%100
30	M84	Z	.447	.447	0	%100
31	M85	X	-.263	-.263	0	%100
32	M85	Z	.152	.152	0	%100

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,%]
33	M91	X	-.277	-.277	0	%100
34	M91	Z	.16	.16	0	%100
35	M52A	X	0	0	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.517	-.517	0	%100
38	M53	Z	.299	.299	0	%100
39	M54	X	-.517	-.517	0	%100
40	M54	Z	.299	.299	0	%100
41	M55	X	-1.032	-1.032	0	%100
42	M55	Z	.596	.596	0	%100
43	M58A	X	-.159	-.159	0	%100
44	M58A	Z	.092	.092	0	%100
45	M59A	X	-.159	-.159	0	%100
46	M59A	Z	.092	.092	0	%100
47	M63	X	0	0	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.263	-.263	0	%100
50	M64	Z	.152	.152	0	%100
51	M66	X	-.277	-.277	0	%100
52	M66	Z	.16	.16	0	%100
53	M68	X	0	0	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	-.263	-.263	0	%100
56	M69	Z	.152	.152	0	%100
57	M71	X	-.277	-.277	0	%100
58	M71	Z	.16	.16	0	%100
59	M76A	X	-.465	-.465	0	%100
60	M76A	Z	.268	.268	0	%100
61	M77A	X	-.129	-.129	0	%100
62	M77A	Z	.075	.075	0	%100
63	M78	X	-.129	-.129	0	%100
64	M78	Z	.075	.075	0	%100
65	M79A	X	-.258	-.258	0	%100
66	M79A	Z	.149	.149	0	%100
67	M82	X	-.128	-.128	0	%100
68	M82	Z	.074	.074	0	%100
69	M83A	X	-.573	-.573	0	%100
70	M83A	Z	.331	.331	0	%100
71	M87	X	-.774	-.774	0	%100
72	M87	Z	.447	.447	0	%100
73	M88A	X	-.263	-.263	0	%100
74	M88A	Z	.152	.152	0	%100
75	M90	X	-.277	-.277	0	%100
76	M90	Z	.16	.16	0	%100
77	M92A	X	-.774	-.774	0	%100
78	M92A	Z	.447	.447	0	%100
79	M93	X	-1.051	-1.051	0	%100
80	M93	Z	.607	.607	0	%100
81	M95	X	-1.107	-1.107	0	%100
82	M95	Z	.639	.639	0	%100
83	M82A	X	-.602	-.602	0	%100
84	M82A	Z	.347	.347	0	%100

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,%]
85	M91B	X	-.15	-.15	0	%100
86	M91B	Z	.087	.087	0	%100
87	M101	X	-.372	-.372	0	%100
88	M101	Z	.215	.215	0	%100
89	MP3C	X	-.408	-.408	0	%100
90	MP3C	Z	.236	.236	0	%100
91	MP4C	X	-.408	-.408	0	%100
92	MP4C	Z	.236	.236	0	%100
93	MP2C	X	-.408	-.408	0	%100
94	MP2C	Z	.236	.236	0	%100
95	MP1C	X	-.408	-.408	0	%100
96	MP1C	Z	.236	.236	0	%100
97	MP3B	X	-.408	-.408	0	%100
98	MP3B	Z	.236	.236	0	%100
99	MP4B	X	-.408	-.408	0	%100
100	MP4B	Z	.236	.236	0	%100
101	MP2B	X	-.408	-.408	0	%100
102	MP2B	Z	.236	.236	0	%100
103	MP1B	X	-.408	-.408	0	%100
104	MP1B	Z	.236	.236	0	%100
105	M105	X	-.372	-.372	0	%100
106	M105	Z	.215	.215	0	%100
107	M109	X	-.124	-.124	0	%100
108	M109	Z	.071	.071	0	%100
109	M117A	X	-.494	-.494	0	%100
110	M117A	Z	.285	.285	0	%100
111	M118A	X	-.124	-.124	0	%100
112	M118A	Z	.071	.071	0	%100
113	M125	X	-.139	-.139	0	%100
114	M125	Z	.08	.08	0	%100
115	M126	X	-.139	-.139	0	%100
116	M126	Z	.08	.08	0	%100
117	M127	X	-.555	-.555	0	%100
118	M127	Z	.32	.32	0	%100
119	M128	X	-.718	-.718	0	%100
120	M128	Z	.415	.415	0	%100
121	M129	X	-.509	-.509	0	%100
122	M129	Z	.294	.294	0	%100
123	M130	X	-.718	-.718	0	%100
124	M130	Z	.415	.415	0	%100

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	M4	X	-.715	-.715	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.472	-.472	0	%100
8	MP3A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	MP4A	X	-.472	-.472	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.472	-.472	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.472	-.472	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.478	-.478	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.478	-.478	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.191	-1.191	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-.91	-.91	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-.958	-.958	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.191	-1.191	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-.91	-.91	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	-.958	-.958	0	%100
34	M91	Z	0	0	0	%100
35	M52A	X	-.179	-.179	0	%100
36	M52A	Z	0	0	0	%100
37	M53	X	-.448	-.448	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	-.448	-.448	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	-.893	-.893	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.514	-.514	0	%100
44	M58A	Z	0	0	0	%100
45	M59A	X	-.000629	-.000629	0	%100
46	M59A	Z	0	0	0	%100
47	M63	X	-.298	-.298	0	%100
48	M63	Z	0	0	0	%100
49	M64	X	-.91	-.91	0	%100
50	M64	Z	0	0	0	%100
51	M66	X	-.958	-.958	0	%100
52	M66	Z	0	0	0	%100
53	M68	X	-.298	-.298	0	%100
54	M68	Z	0	0	0	%100
55	M69	X	0	0	0	%100
56	M69	Z	0	0	0	%100
57	M71	X	0	0	0	%100
58	M71	Z	0	0	0	%100
59	M76A	X	-.179	-.179	0	%100
60	M76A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M77A	X	-.448	-.448	0	%100
62	M77A	Z	0	0	0	%100
63	M78	X	-.448	-.448	0	%100
64	M78	Z	0	0	0	%100
65	M79A	X	-.893	-.893	0	%100
66	M79A	Z	0	0	0	%100
67	M82	X	-.000629	-.000629	0	%100
68	M82	Z	0	0	0	%100
69	M83A	X	-.514	-.514	0	%100
70	M83A	Z	0	0	0	%100
71	M87	X	-.298	-.298	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	0	0	0	%100
74	M88A	Z	0	0	0	%100
75	M90	X	0	0	0	%100
76	M90	Z	0	0	0	%100
77	M92A	X	-.298	-.298	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.91	-.91	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	-.958	-.958	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	-.521	-.521	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.521	-.521	0	%100
86	M91B	Z	0	0	0	%100
87	M101	X	-.43	-.43	0	%100
88	M101	Z	0	0	0	%100
89	MP3C	X	-.472	-.472	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-.472	-.472	0	%100
92	MP4C	Z	0	0	0	%100
93	MP2C	X	-.472	-.472	0	%100
94	MP2C	Z	0	0	0	%100
95	MP1C	X	-.472	-.472	0	%100
96	MP1C	Z	0	0	0	%100
97	MP3B	X	-.472	-.472	0	%100
98	MP3B	Z	0	0	0	%100
99	MP4B	X	-.472	-.472	0	%100
100	MP4B	Z	0	0	0	%100
101	MP2B	X	-.472	-.472	0	%100
102	MP2B	Z	0	0	0	%100
103	MP1B	X	-.472	-.472	0	%100
104	MP1B	Z	0	0	0	%100
105	M105	X	-.43	-.43	0	%100
106	M105	Z	0	0	0	%100
107	M109	X	0	0	0	%100
108	M109	Z	0	0	0	%100
109	M117A	X	-.428	-.428	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	-.428	-.428	0	%100
112	M118A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M125	X	-.48	-.48	0	%100
114	M125	Z	0	0	0	%100
115	M126	X	0	0	0	%100
116	M126	Z	0	0	0	%100
117	M127	X	-.48	-.48	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-.91	-.91	0	%100
120	M128	Z	0	0	0	%100
121	M129	X	-.669	-.669	0	%100
122	M129	Z	0	0	0	%100
123	M130	X	-.669	-.669	0	%100
124	M130	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	-.15	-.15	0	%100
2	M1	Z	-.087	-.087	0	%100
3	M4	X	-.465	-.465	0	%100
4	M4	Z	-.268	-.268	0	%100
5	M10	X	-.129	-.129	0	%100
6	M10	Z	-.075	-.075	0	%100
7	MP3A	X	-.408	-.408	0	%100
8	MP3A	Z	-.236	-.236	0	%100
9	MP4A	X	-.408	-.408	0	%100
10	MP4A	Z	-.236	-.236	0	%100
11	MP2A	X	-.408	-.408	0	%100
12	MP2A	Z	-.236	-.236	0	%100
13	MP1A	X	-.408	-.408	0	%100
14	MP1A	Z	-.236	-.236	0	%100
15	M43	X	-.129	-.129	0	%100
16	M43	Z	-.075	-.075	0	%100
17	M46	X	-.258	-.258	0	%100
18	M46	Z	-.149	-.149	0	%100
19	M51B	X	-.128	-.128	0	%100
20	M51B	Z	-.074	-.074	0	%100
21	M52B	X	-.573	-.573	0	%100
22	M52B	Z	-.331	-.331	0	%100
23	M76	X	-.774	-.774	0	%100
24	M76	Z	-.447	-.447	0	%100
25	M77	X	-.263	-.263	0	%100
26	M77	Z	-.152	-.152	0	%100
27	M80	X	-.277	-.277	0	%100
28	M80	Z	-.16	-.16	0	%100
29	M84	X	-.774	-.774	0	%100
30	M84	Z	-.447	-.447	0	%100
31	M85	X	-1.051	-1.051	0	%100
32	M85	Z	-.607	-.607	0	%100
33	M91	X	-1.107	-1.107	0	%100
34	M91	Z	-.639	-.639	0	%100
35	M52A	X	-.465	-.465	0	%100
36	M52A	Z	-.268	-.268	0	%100

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,%]
37	M53	X	-.129	-.129	0	%100
38	M53	Z	-.075	-.075	0	%100
39	M54	X	-.129	-.129	0	%100
40	M54	Z	-.075	-.075	0	%100
41	M55	X	-.258	-.258	0	%100
42	M55	Z	-.149	-.149	0	%100
43	M58A	X	-.573	-.573	0	%100
44	M58A	Z	-.331	-.331	0	%100
45	M59A	X	-.128	-.128	0	%100
46	M59A	Z	-.074	-.074	0	%100
47	M63	X	-.774	-.774	0	%100
48	M63	Z	-.447	-.447	0	%100
49	M64	X	-1.051	-1.051	0	%100
50	M64	Z	-.607	-.607	0	%100
51	M66	X	-1.107	-1.107	0	%100
52	M66	Z	-.639	-.639	0	%100
53	M68	X	-.774	-.774	0	%100
54	M68	Z	-.447	-.447	0	%100
55	M69	X	-.263	-.263	0	%100
56	M69	Z	-.152	-.152	0	%100
57	M71	X	-.277	-.277	0	%100
58	M71	Z	-.16	-.16	0	%100
59	M76A	X	0	0	0	%100
60	M76A	Z	0	0	0	%100
61	M77A	X	-.517	-.517	0	%100
62	M77A	Z	-.299	-.299	0	%100
63	M78	X	-.517	-.517	0	%100
64	M78	Z	-.299	-.299	0	%100
65	M79A	X	-1.032	-1.032	0	%100
66	M79A	Z	-.596	-.596	0	%100
67	M82	X	-.159	-.159	0	%100
68	M82	Z	-.092	-.092	0	%100
69	M83A	X	-.159	-.159	0	%100
70	M83A	Z	-.092	-.092	0	%100
71	M87	X	0	0	0	%100
72	M87	Z	0	0	0	%100
73	M88A	X	-.263	-.263	0	%100
74	M88A	Z	-.152	-.152	0	%100
75	M90	X	-.277	-.277	0	%100
76	M90	Z	-.16	-.16	0	%100
77	M92A	X	0	0	0	%100
78	M92A	Z	0	0	0	%100
79	M93	X	-.263	-.263	0	%100
80	M93	Z	-.152	-.152	0	%100
81	M95	X	-.277	-.277	0	%100
82	M95	Z	-.16	-.16	0	%100
83	M82A	X	-.15	-.15	0	%100
84	M82A	Z	-.087	-.087	0	%100
85	M91B	X	-.602	-.602	0	%100
86	M91B	Z	-.347	-.347	0	%100
87	M101	X	-.372	-.372	0	%100
88	M101	Z	-.215	-.215	0	%100

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,%]
89	MP3C	X	-.408	-.408	0	%100
90	MP3C	Z	-.236	-.236	0	%100
91	MP4C	X	-.408	-.408	0	%100
92	MP4C	Z	-.236	-.236	0	%100
93	MP2C	X	-.408	-.408	0	%100
94	MP2C	Z	-.236	-.236	0	%100
95	MP1C	X	-.408	-.408	0	%100
96	MP1C	Z	-.236	-.236	0	%100
97	MP3B	X	-.408	-.408	0	%100
98	MP3B	Z	-.236	-.236	0	%100
99	MP4B	X	-.408	-.408	0	%100
100	MP4B	Z	-.236	-.236	0	%100
101	MP2B	X	-.408	-.408	0	%100
102	MP2B	Z	-.236	-.236	0	%100
103	MP1B	X	-.408	-.408	0	%100
104	MP1B	Z	-.236	-.236	0	%100
105	M105	X	-.372	-.372	0	%100
106	M105	Z	-.215	-.215	0	%100
107	M109	X	-.124	-.124	0	%100
108	M109	Z	-.071	-.071	0	%100
109	M117A	X	-.124	-.124	0	%100
110	M117A	Z	-.071	-.071	0	%100
111	M118A	X	-.494	-.494	0	%100
112	M118A	Z	-.285	-.285	0	%100
113	M125	X	-.555	-.555	0	%100
114	M125	Z	-.32	-.32	0	%100
115	M126	X	-.139	-.139	0	%100
116	M126	Z	-.08	-.08	0	%100
117	M127	X	-.139	-.139	0	%100
118	M127	Z	-.08	-.08	0	%100
119	M128	X	-.718	-.718	0	%100
120	M128	Z	-.415	-.415	0	%100
121	M129	X	-.718	-.718	0	%100
122	M129	Z	-.415	-.415	0	%100
123	M130	X	-.509	-.509	0	%100
124	M130	Z	-.294	-.294	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-.261	-.261	0	%100
2	M1	Z	-.451	-.451	0	%100
3	M4	X	-.089	-.089	0	%100
4	M4	Z	-.155	-.155	0	%100
5	M10	X	-.224	-.224	0	%100
6	M10	Z	-.388	-.388	0	%100
7	MP3A	X	-.236	-.236	0	%100
8	MP3A	Z	-.408	-.408	0	%100
9	MP4A	X	-.236	-.236	0	%100
10	MP4A	Z	-.408	-.408	0	%100
11	MP2A	X	-.236	-.236	0	%100
12	MP2A	Z	-.408	-.408	0	%100

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,%]
13	MP1A	X	-.236	-.236	0	%100
14	MP1A	Z	-.408	-.408	0	%100
15	M43	X	-.224	-.224	0	%100
16	M43	Z	-.388	-.388	0	%100
17	M46	X	-.447	-.447	0	%100
18	M46	Z	-.774	-.774	0	%100
19	M51B	X	-.000315	-.000315	0	%100
20	M51B	Z	-.000545	-.000545	0	%100
21	M52B	X	-.257	-.257	0	%100
22	M52B	Z	-.445	-.445	0	%100
23	M76	X	-.149	-.149	0	%100
24	M76	Z	-.258	-.258	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.149	-.149	0	%100
30	M84	Z	-.258	-.258	0	%100
31	M85	X	-.455	-.455	0	%100
32	M85	Z	-.788	-.788	0	%100
33	M91	X	-.479	-.479	0	%100
34	M91	Z	-.83	-.83	0	%100
35	M52A	X	-.358	-.358	0	%100
36	M52A	Z	-.62	-.62	0	%100
37	M53	X	0	0	0	%100
38	M53	Z	0	0	0	%100
39	M54	X	0	0	0	%100
40	M54	Z	0	0	0	%100
41	M55	X	0	0	0	%100
42	M55	Z	0	0	0	%100
43	M58A	X	-.239	-.239	0	%100
44	M58A	Z	-.414	-.414	0	%100
45	M59A	X	-.239	-.239	0	%100
46	M59A	Z	-.414	-.414	0	%100
47	M63	X	-.596	-.596	0	%100
48	M63	Z	-1.032	-1.032	0	%100
49	M64	X	-.455	-.455	0	%100
50	M64	Z	-.788	-.788	0	%100
51	M66	X	-.479	-.479	0	%100
52	M66	Z	-.83	-.83	0	%100
53	M68	X	-.596	-.596	0	%100
54	M68	Z	-1.032	-1.032	0	%100
55	M69	X	-.455	-.455	0	%100
56	M69	Z	-.788	-.788	0	%100
57	M71	X	-.479	-.479	0	%100
58	M71	Z	-.83	-.83	0	%100
59	M76A	X	-.089	-.089	0	%100
60	M76A	Z	-.155	-.155	0	%100
61	M77A	X	-.224	-.224	0	%100
62	M77A	Z	-.388	-.388	0	%100
63	M78	X	-.224	-.224	0	%100
64	M78	Z	-.388	-.388	0	%100

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,%]
65	M79A	X	-.447	-.447	0	%100
66	M79A	Z	-.774	-.774	0	%100
67	M82	X	-.257	-.257	0	%100
68	M82	Z	-.445	-.445	0	%100
69	M83A	X	-.000315	-.000315	0	%100
70	M83A	Z	-.000545	-.000545	0	%100
71	M87	X	-.149	-.149	0	%100
72	M87	Z	-.258	-.258	0	%100
73	M88A	X	-.455	-.455	0	%100
74	M88A	Z	-.788	-.788	0	%100
75	M90	X	-.479	-.479	0	%100
76	M90	Z	-.83	-.83	0	%100
77	M92A	X	-.149	-.149	0	%100
78	M92A	Z	-.258	-.258	0	%100
79	M93	X	0	0	0	%100
80	M93	Z	0	0	0	%100
81	M95	X	0	0	0	%100
82	M95	Z	0	0	0	%100
83	M82A	X	0	0	0	%100
84	M82A	Z	0	0	0	%100
85	M91B	X	-.261	-.261	0	%100
86	M91B	Z	-.451	-.451	0	%100
87	M101	X	-.215	-.215	0	%100
88	M101	Z	-.372	-.372	0	%100
89	MP3C	X	-.236	-.236	0	%100
90	MP3C	Z	-.408	-.408	0	%100
91	MP4C	X	-.236	-.236	0	%100
92	MP4C	Z	-.408	-.408	0	%100
93	MP2C	X	-.236	-.236	0	%100
94	MP2C	Z	-.408	-.408	0	%100
95	MP1C	X	-.236	-.236	0	%100
96	MP1C	Z	-.408	-.408	0	%100
97	MP3B	X	-.236	-.236	0	%100
98	MP3B	Z	-.408	-.408	0	%100
99	MP4B	X	-.236	-.236	0	%100
100	MP4B	Z	-.408	-.408	0	%100
101	MP2B	X	-.236	-.236	0	%100
102	MP2B	Z	-.408	-.408	0	%100
103	MP1B	X	-.236	-.236	0	%100
104	MP1B	Z	-.408	-.408	0	%100
105	M105	X	-.215	-.215	0	%100
106	M105	Z	-.372	-.372	0	%100
107	M109	X	-.214	-.214	0	%100
108	M109	Z	-.371	-.371	0	%100
109	M117A	X	0	0	0	%100
110	M117A	Z	0	0	0	%100
111	M118A	X	-.214	-.214	0	%100
112	M118A	Z	-.371	-.371	0	%100
113	M125	X	-.24	-.24	0	%100
114	M125	Z	-.416	-.416	0	%100
115	M126	X	-.24	-.24	0	%100
116	M126	Z	-.416	-.416	0	%100

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,%]
117	M127	X	0	0	0	%100
118	M127	Z	0	0	0	%100
119	M128	X	-.334	-.334	0	%100
120	M128	Z	-.579	-.579	0	%100
121	M129	X	-.455	-.455	0	%100
122	M129	Z	-.788	-.788	0	%100
123	M130	X	-.334	-.334	0	%100
124	M130	Z	-.579	-.579	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-1.528	-2.904	0	.848
2	M58A	Y	-2.904	-5.703	.848	1.696
3	M58A	Y	-5.703	-9.004	1.696	2.544
4	M58A	Y	-9.004	-7.058	2.544	3.391
5	M58A	Y	-7.058	-.783	3.391	4.239
6	M59A	Y	-.467	-7.782	0	.848
7	M59A	Y	-7.782	-9.046	.848	1.696
8	M59A	Y	-9.046	-5.778	1.696	2.544
9	M59A	Y	-5.778	-3.886	2.544	3.391
10	M59A	Y	-3.886	-.935	3.391	4.239
11	M51B	Y	-.93	-3.894	0	.848
12	M51B	Y	-3.894	-5.786	.848	1.696
13	M51B	Y	-5.786	-9.047	1.696	2.544
14	M51B	Y	-9.047	-7.782	2.544	3.391
15	M51B	Y	-7.782	-.468	3.391	4.239
16	M52B	Y	-.784	-7.056	0	.848
17	M52B	Y	-7.056	-9.001	.848	1.696
18	M52B	Y	-9.001	-5.699	1.696	2.544
19	M52B	Y	-5.699	-2.899	2.544	3.391
20	M52B	Y	-2.899	-1.521	3.391	4.239
21	M82	Y	-.89	-3.666	0	.848
22	M82	Y	-3.666	-5.749	.848	1.696
23	M82	Y	-5.749	-8.367	1.696	2.544
24	M82	Y	-8.367	-7.139	2.544	3.391
25	M82	Y	-7.139	-.84	3.391	4.239
26	M83A	Y	-.466	-7.789	0	.848
27	M83A	Y	-7.789	-9.078	.848	1.696
28	M83A	Y	-9.078	-5.789	1.696	2.544
29	M83A	Y	-5.789	-3.876	2.544	3.391
30	M83A	Y	-3.876	-.932	3.391	4.239

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-2.878	-11.958	0	.848
2	M58A	Y	-11.958	-17.777	.848	1.696
3	M58A	Y	-17.777	-27.834	1.696	2.544
4	M58A	Y	-27.834	-23.945	2.544	3.391
5	M58A	Y	-23.945	-1.438	3.391	4.239
6	M59A	Y	-2.41	-21.716	0	.848
7	M59A	Y	-21.716	-27.706	.848	1.696

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
8	M59A	Y	-27.706	-17.547	1.696	2.544
9	M59A	Y	-17.547	-8.934	2.544	3.391
10	M59A	Y	-8.934	-4.701	3.391	4.239
11	M51B	Y	-2.861	-11.982	0	.848
12	M51B	Y	-11.982	-17.804	.848	1.696
13	M51B	Y	-17.804	-27.838	1.696	2.544
14	M51B	Y	-27.838	-23.946	2.544	3.391
15	M51B	Y	-23.946	-1.44	3.391	4.239
16	M52B	Y	-2.412	-21.711	0	.848
17	M52B	Y	-21.711	-27.696	.848	1.696
18	M52B	Y	-27.696	-17.537	1.696	2.544
19	M52B	Y	-17.537	-8.921	2.544	3.391
20	M52B	Y	-8.921	-4.68	3.391	4.239
21	M82	Y	-2.737	-11.279	0	.848
22	M82	Y	-11.279	-17.691	.848	1.696
23	M82	Y	-17.691	-25.744	1.696	2.544
24	M82	Y	-25.744	-21.967	2.544	3.391
25	M82	Y	-21.967	-2.586	3.391	4.239
26	M83A	Y	-1.434	-23.967	0	.848
27	M83A	Y	-23.967	-27.932	.848	1.696
28	M83A	Y	-27.932	-17.813	1.696	2.544
29	M83A	Y	-17.813	-11.926	2.544	3.391
30	M83A	Y	-11.926	-2.869	3.391	4.239

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N111	N113	N90	N89	Y	Two Way	-.005
2	N7	N87B	N87C	N6	Y	Two Way	-.005
3	N117	N118	N141	N139	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.016
2	N7	N87B	N87C	N6	Y	Two Way	-.016
3	N117	N118	N141	N139	Y	Two Way	-.016

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	672.42	10	763.255	8	5445.424	1	.805	20	.981	4	.239	1
2		min	-681.733	4	-259.902	2	-3318.054	7	-.233	2	-.99	10	-.408	7
3	N87D	max	4663.971	9	748.558	4	1682.787	3	.289	9	.998	12	.143	11
4		min	-2817.195	3	-246.078	10	-2738.425	9	-.852	27	-1.007	6	-.542	17
5	N115	max	2759.976	11	670.315	12	1540.57	11	.239	8	.912	8	.835	11
6		min	-4583.296	5	-243.329	6	-2603.993	5	-.57	26	-.921	2	-.307	5
7	N190	max	35.304	10	3002.805	13	635.353	7	0	51	0	4	0	10
8		min	-35.065	4	-471.689	7	-3911.834	13	0	1	0	10	0	4
9	N192	max	536.743	3	3000.003	21	1954.043	21	0	6	0	48	0	48
10		min	-3384.513	21	-460.036	3	-309.971	3	0	48	0	6	0	6

Envelope Joint Reactions (Continued)

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
11	N194	max	3348.661	17	2968.986	17	1933.357	17	0	8	0	8	0	8
12		min	-501.679	11	-429.603	11	-289.568	11	0	2	0	2	0	2
13	Totals:	max	4854.612	10	9651.793	13	4909.416	1						
14		min	-4854.609	4	3366.401	7	-4909.418	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE_3.0	.161	10.292	4	.072	5.014		6	27623.304	65205	5.749	5.749	1....	H1-1b
2	M4	HSS4X4X4	.141	3.965	13	.062	4.021	y	14	123279.6...	139518	16.181	16.181	1....	H1-1b
3	M10	HSS4X4X4	.135	2.375	13	.035	.223	z	1	136263.03	139518	16.181	16.181	1....	H1-1b
4	MP3A	PIPE_2.0	.404	4.75	10	.111	4.75		8	20866.733	32130	1.872	1.872	2....	H1-1b
5	MP4A	PIPE_2.0	.219	4.75	10	.096	1.75		7	20866.733	32130	1.872	1.872	1....	H1-1b
6	MP2A	PIPE_2.0	.567	4.75	4	.126	4.75		4	20866.733	32130	1.872	1.872	2....	H1-1b
7	MP1A	PIPE_2.0	.301	4.75	4	.105	4.438		2	20866.733	32130	1.872	1.872	2....	H1-1b
8	M43	HSS4X4X4	.129	0	24	.048	0	y	20	136263.03	139518	16.181	16.181	1....	H1-1b
9	M46	PL1/2X6	.217	.516	1	.129	.516	y	4	66009.234	97200	1.012	12.15	1....	H1-1b
10	M51B	L2x2x2	.182	0	1	.017	4.239	y	18	6525.638	15908.4	.403	.666	1....	H2-1
11	M52B	L2x2x2	.186	0	12	.016	0	y	14	6525.638	15908.4	.403	.685	1....	H2-1
12	M76	PL3/8x6	.186	0	5	.208	0	y	21	70677.939	72900	.57	9.113	1....	H1-1b
13	M77	PL3/8x6	.245	.167	7	.224	0	y	24	71601.728	72900	.57	9.113	1....	H1-1b
14	M80	PL1/2X6	.071	.112	1	.121	0	y	24	96757.507	97200	1.012	12.15	1....	H1-1b
15	M84	PL3/8x6	.204	0	10	.074	0	y	8	70677.939	72900	.57	9.113	1....	H1-1b
16	M85	PL3/8x6	.240	.167	7	.234	0	y	22	71601.728	72900	.57	9.113	2....	H1-1b
17	M91	PL1/2X6	.070	.112	1	.217	0	y	14	96757.507	97200	1.012	12.15	2....	H1-1b
18	M52A	HSS4X4X4	.141	3.965	21	.062	4.021	y	22	123279.6...	139518	16.181	16.181	1....	H1-1b
19	M53	HSS4X4X4	.136	2.375	21	.035	.223	z	9	136263.03	139518	16.181	16.181	1....	H1-1b
20	M54	HSS4X4X4	.127	0	20	.048	0	y	16	136263.03	139518	16.181	16.181	1....	H1-1b
21	M55	PL1/2X6	.218	.516	9	.129	.516	y	12	66009.234	97200	1.012	12.15	1....	H1-1b
22	M58A	L2x2x2	.181	0	10	.017	4.239	y	14	6525.638	15908.4	.403	.685	1....	H2-1
23	M59A	L2x2x2	.186	0	8	.016	0	y	22	6525.638	15908.4	.403	.679	1....	H2-1
24	M63	PL3/8x6	.186	0	1	.209	0	y	17	70677.939	72900	.57	9.113	1....	H1-1b
25	M64	PL3/8x6	.246	.167	3	.226	0	y	20	71601.728	72900	.57	9.113	1....	H1-1b
26	M66	PL1/2X6	.071	.112	9	.121	0	y	20	96757.507	97200	1.012	12.15	1....	H1-1b
27	M68	PL3/8x6	.204	0	6	.116	0	y	46	70677.939	72900	.57	9.113	1....	H1-1b
28	M69	PL3/8x6	.239	.167	3	.230	0	y	17	71601.728	72900	.57	9.113	2....	H1-1b
29	M71	PL1/2X6	.069	.112	9	.218	0	y	22	96757.507	97200	1.012	12.15	2....	H1-1b
30	M76A	HSS4X4X4	.140	3.965	17	.062	4.021	y	18	123279.6...	139518	16.181	16.181	1....	H1-1b
31	M77A	HSS4X4X4	.138	2.375	17	.036	.223	z	5	136263.03	139518	16.181	16.181	1....	H1-1b
32	M78	HSS4X4X4	.130	0	16	.048	0	y	24	136263.03	139518	16.181	16.181	1....	H1-1b
33	M79A	PL1/2X6	.218	.516	5	.131	.516	y	8	66009.234	97200	1.012	12.15	1....	H1-1b
34	M82	L2x2x2	.181	0	6	.017	4.239	y	22	6525.638	15908.4	.403	.681	1....	H2-1
35	M83A	L2x2x2	.187	0	4	.017	0	y	18	6525.638	15908.4	.403	.679	1....	H2-1
36	M87	PL3/8x6	.187	0	9	.209	0	y	13	70677.939	72900	.57	9.113	1....	H1-1b
37	M88A	PL3/8x6	.246	.167	11	.229	0	y	16	71601.728	72900	.57	9.113	1....	H1-1b
38	M90	PL1/2X6	.072	.112	5	.123	0	y	50	96757.507	97200	1.012	12.15	1....	H1-1b
39	M92A	PL3/8x6	.205	0	2	.077	0	y	12	70677.939	72900	.57	9.113	1....	H1-1b
40	M93	PL3/8x6	.240	.167	11	.237	0	y	14	71601.728	72900	.57	9.113	2....	H1-1b
41	M95	PL1/2X6	.070	.112	5	.217	0	y	18	96757.507	97200	1.012	12.15	2....	H1-1b
42	M82A	PIPE_3.0	.161	10.292	12	.071	5.014		2	27623.304	65205	5.749	5.749	1....	H1-1b
43	M91B	PIPE_3.0	.161	10.292	8	.071	5.014		10	27623.304	65205	5.749	5.749	1....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
44	M101	PIPE_2.0	.127	3.5	7	.011	3.5		7	26521.424	32130	1.872	1.872	1....	H1-1b
45	MP3C	PIPE_2.0	.404	4.75	6	.111	4.75		4	20866.733	32130	1.872	1.872	1....	H1-1b
46	MP4C	PIPE_2.0	.219	4.75	6	.096	1.75		3	20866.733	32130	1.872	1.872	1....	H1-1b
47	MP2C	PIPE_2.0	.567	4.75	12	.126	4.75		12	20866.733	32130	1.872	1.872	2....	H1-1b
48	MP1C	PIPE_2.0	.300	4.75	12	.105	4.438		10	20866.733	32130	1.872	1.872	2....	H1-1b
49	MP3B	PIPE_2.0	.404	4.75	2	.112	4.75		12	20866.733	32130	1.872	1.872	2....	H1-1b
50	MP4B	PIPE_2.0	.219	4.75	2	.096	1.75		11	20866.733	32130	1.872	1.872	2....	H1-1b
51	MP2B	PIPE_2.0	.567	4.75	8	.126	4.75		8	20866.733	32130	1.872	1.872	1....	H1-1b
52	MP1B	PIPE_2.0	.300	4.75	8	.105	4.438		6	20866.733	32130	1.872	1.872	1....	H1-1b
53	M105	PIPE_2.0	.127	3.5	1	.011	3.5		1	26521.424	32130	1.872	1.872	1....	H1-1b
54	M109	PIPE_2.5	.187	.26	4	.087	.911		7	14558.792	50715	3.596	3.596	1....	H1-1b
55	M117A	PIPE_2.5	.187	.26	12	.087	.911		3	14558.792	50715	3.596	3.596	1....	H1-1b
56	M118A	PIPE_2.5	.187	.26	8	.088	.911		11	14558.792	50715	3.596	3.596	1....	H1-1b
57	M125	L3X3X4	.316	0	3	.085	0	z	8	45346.823	46656	1.688	3.756	2....	H2-1
58	M126	L3X3X4	.316	0	11	.084	.366	z	4	45346.823	46656	1.688	3.756	2....	H2-1
59	M127	L3X3X4	.316	0	7	.084	0	z	12	45346.823	46656	1.688	3.756	2....	H2-1
60	M128	LL3x3x3x6	.106	0	13	.004	5	y	16	46390.788	70632	6.362	3.751	1	H1-1b*
61	M129	LL3x3x3x6	.106	0	21	.004	0	y	24	46390.788	70632	6.362	3.751	1	H1-1b*
62	M130	LL3x3x3x6	.105	0	17	.004	5	y	20	46390.788	70632	6.362	3.751	1	H1-1b*

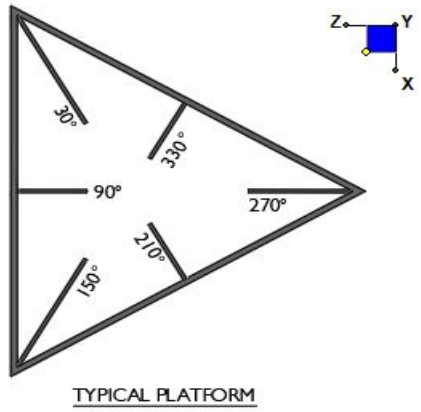
Client:	Verizon	Date:	4/23/2021
Site Name:	Quinebaug CT		
Project No.	21777031A		
Title:	Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

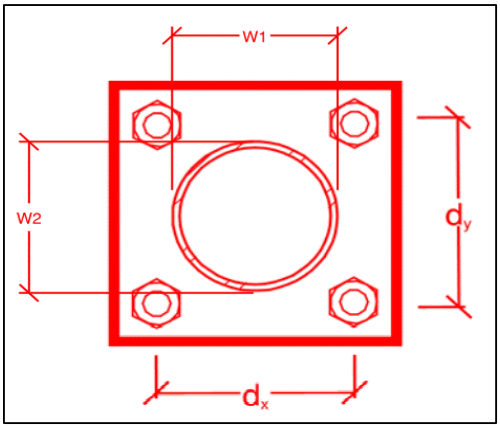
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N87D	30
N3	270
N115	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	6.2
Required Shear Strength (kips):	2.7
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**7.5%***
Shear Capacity Overall:	**5.5%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.75
Weld Size (1/16 in):	3
Phi*Rn (kip/in):	4.18
Required Weld Strength (kip/in):	0.71
Plate Bending Capacity:	**11.3%**
Weld Capacity:	**16.9%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	1.5
$Phi*Mn_{xx}$ *(kip-in)* :	45.6
Mu_{yy} *(kip-in)* :	3.7
$Phi*Mn_{yy}$ *(kip-in)* :	45.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

Purpose – to provide Maser Consulting Connecticut the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

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

Base Requirements:

- Any special photos outside of the standard requirements will be indicated on the drawings
- Provide "as built drawings" showing contractor's name, preparer's signature, and date. Any deviations from the drawings (proposed modification) must be shown.
- Notation that all hardware was properly installed, and the existing hardware was inspected for any issues.
- Verification that loading is as communicated in the modification drawings. NOTE If loading is different than what is conveyed in the modification drawing contact Maser Consulting Connecticut immediately.
- Each photo should be time and date stamped
- Photos should be high resolution and submitted in a Zip File and should be organized in the file structure as depicted in Schedule A attached.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope.
- The photos in the file structure should be uploaded **to** https://pmi.vzwsmart.com as depicted on the drawings

Photo Requirements:

- *Base and "During Installation Photos"*
  - Base pictures include
    - Photo of Gate Signs showing the tower owner, site name, and number
    - Photo of carrier shelter showing the carrier site name and number if available
    - Photos of the galvanizing compound and/or paint used (if applicable), clearly showing the label and name
  - "During Installation Photos if provided - must be placed only in this folder
- *Photos taken at ground level*
  - Overall tower structure before and after installation of the modifications
  - Photos of the appropriate mount before and after installation of the modifications; if the mounts are at different rad elevations, pictures must be provided for all elevations that the modifications were installed

- *Photos taken at Mount Elevation*
    - Photos showing each individual sector before and also after installation of modifications. Each entire sector must be in one photo to show in the inter-connection of members.
        - These photos should also certify that the placement and geometry of the equipment on the mount is as depicted on the sketch and table in the mount analysis
    - Close-up photos of each installed modification per the modification drawings; pictures should also include connection hardware (U-bolts, bolts, nuts, all-threaded rods, etc.)
    - Photos showing the measurements of the installed modification member sizes (i.e. lengths, widths, depths, diameters, thicknesses)
    - Photos showing the elevation or distances of the installed modifications from the appropriate reference locations shown in the modification drawings
    - Photos showing the installed modifications onto the tower with tape drop measurements (if applicable) (i.e. ring/collar mounts, tie-backs, V-bracing kits, etc.); if the existing mount elevation needs to be changed according to the modification drawings, a tape drop measurement shall be provided before the elevation change
    - Photos showing the safety climb wire rope above and below the mount prior to modification.
    - Photos showing the climbing facility and safety climb if present.

Material Certification:

- Materials utilized must be as per specification on the drawings or the equivalent as validated by Maser Consulting Connecticut.
    - If the drawings are as specified on the drawings
        - The contractor should provide the packing list or the materials utilized to perform the mount modification
    - If an equivalent is utilized
        - It is required that the Maser Consulting Connecticut certification of such is included in the contractor submission package. There may be an additional charge for this certification if the equivalent submission doesn't meet specifications as prescribed in the drawings.
- The contractor must certify that the materials meet these specifications by one of these methods.

☐ The Material utilized was as specified on the Maser Consulting Connecticut Mount Modification Drawings and included in the Material certification folder is a packing list or invoice for these materials

☐ The material utilized was an "equivalent" and included as part of the contractor submission is the Maser Consulting Connecticut certification, invoices, or specifications validating accepted status

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

- The contractor must certify that the antenna & equipment placement and geometry is in accordance with the antenna placement diagrams as included in this mount analysis.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the antenna placement diagrams as included in this mount analysis.

☐ The contractor notes that the equipment on the mount is not in accordance with the antenna placement diagrams and has accordingly marked up the diagrams or provided a diagram outlining the differences.

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

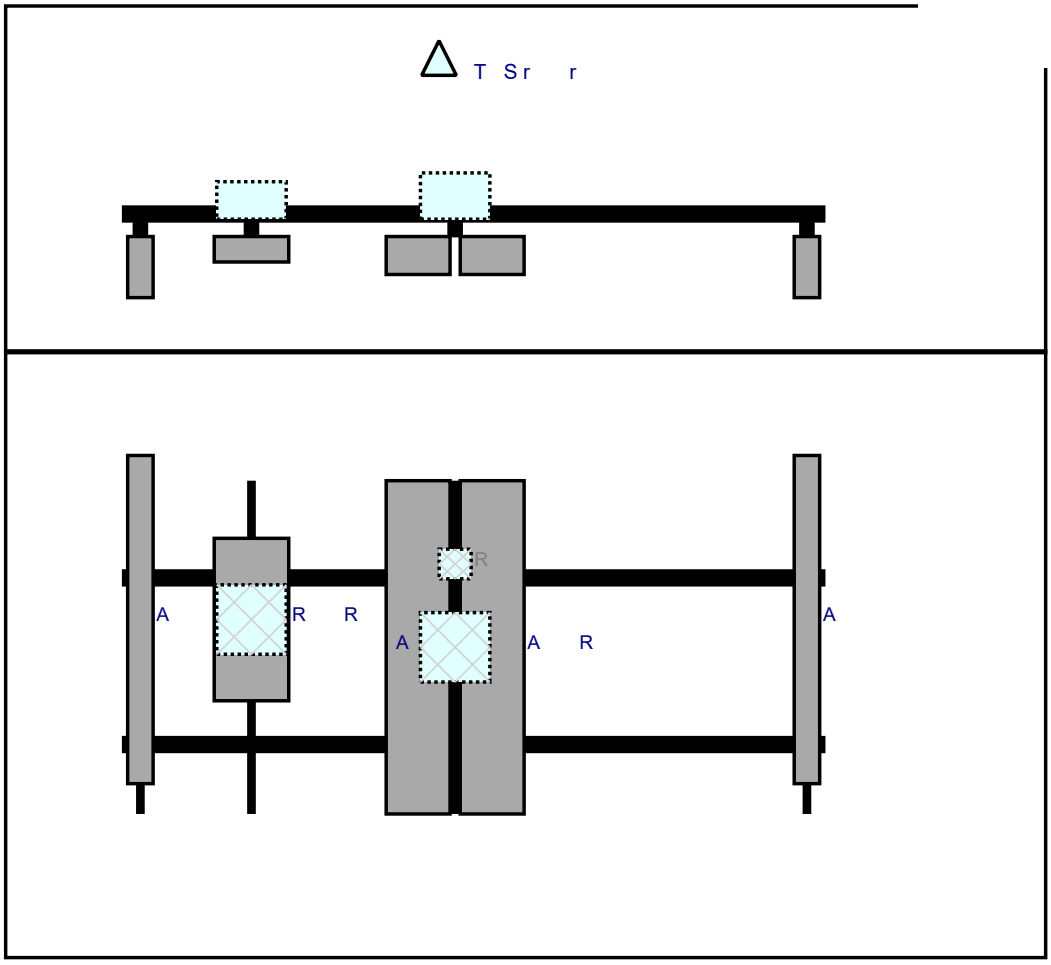
Contractor shall install new safety climb wire rope guides to the threaded rods of the existing and proposed mount collar assemblies to prevent interference with mount connection.

Response:

Schedule A – Photo & Document File Structure

- VzW Site Number / Name
  - Base & “During Installation” Photos
  - Pre-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
  - Post-Installation Photos
    - Alpha
    - Beta
    - Gamma
    - Ground Level
    - Tape Drop
    - Photos of climbing facility and safety climb – If Present
  - Certifications – Submission of this document including certifications
  - Specific Required Additional Photos

S r **A**
Sr r T M
M E . P



Plan View

Front View
L Sr r

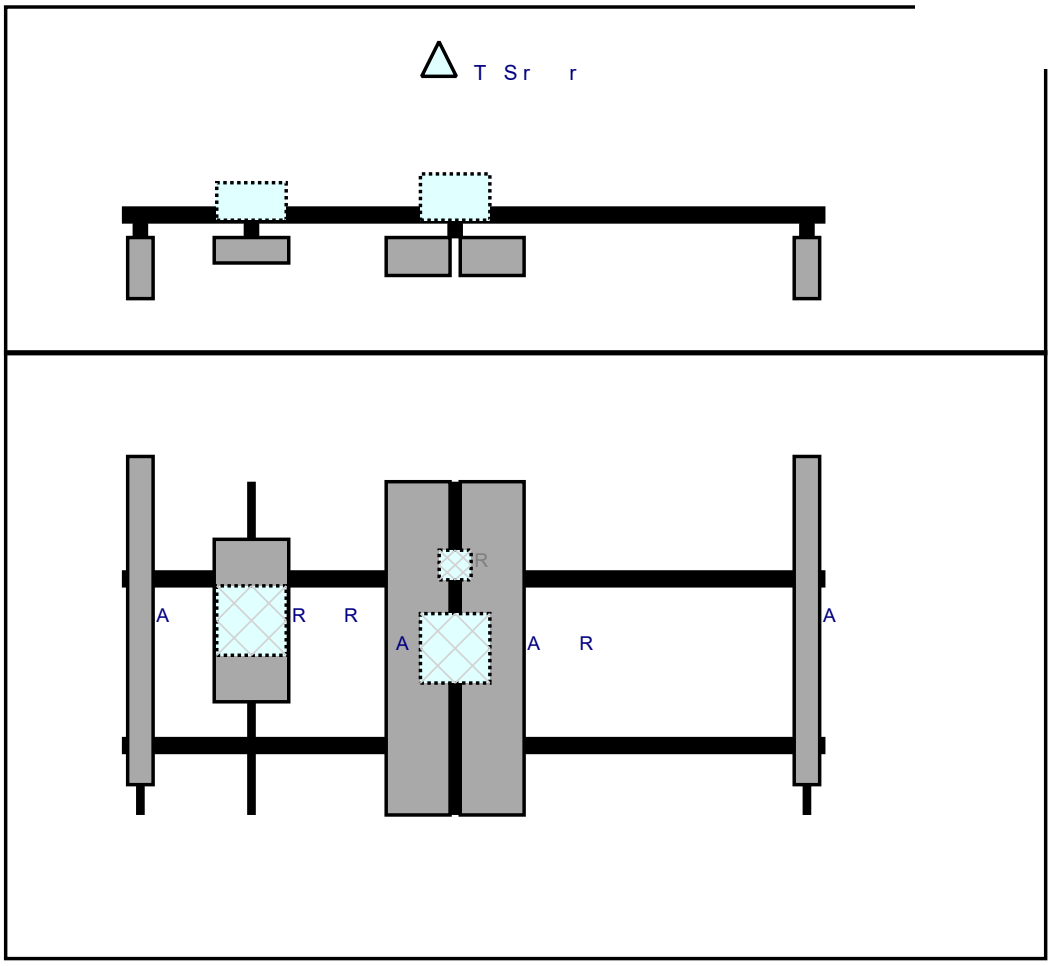
d D P P A .A A
R M d r L. P P r T. O S d

A	LPA	.	.	r		R	d
A	A B R B	.		r		R	d
A	A B R B	.		r		R	d
R	B T DS	.	.	B	d	Add	d
R	B B A RR BR R D A			B	d	Add	d
R	MT A	.	.	r		Add	d
R	B B RR BR R D A			B	d	Add	d
A	LPA	.	.	r		R	d

S r **B**
Sr r T M
M E . P

MASER CONSULTING
— CONNECTICUT —

Plan View



Front View
L Sr r

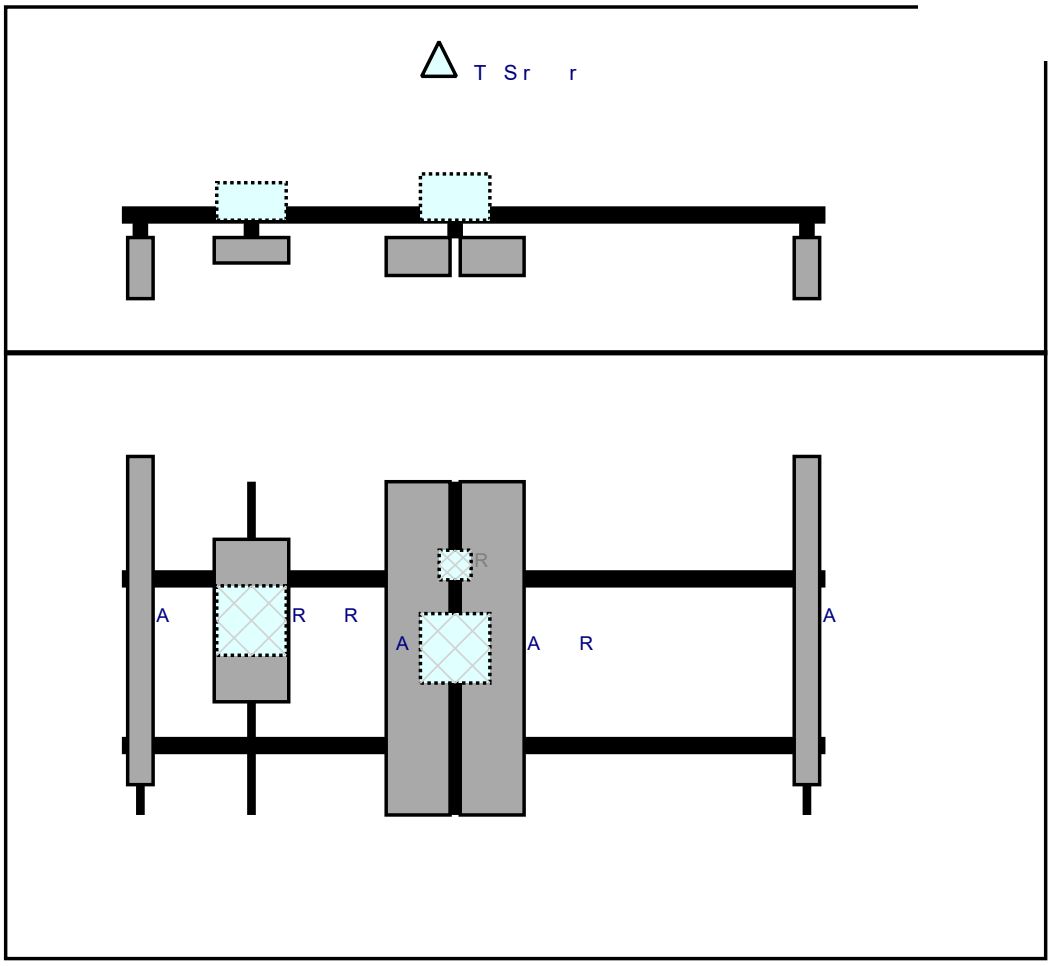
d D P P A .A A
R M d r L. P P r T. O S d

A	LPA			.	.		r	R d
A	A	B R B			.		r	R d
A	A	B R B			.		r	R d
R	B	T DS			.	.	B d	Add d
R	B B	A RR	BR	R	D A		B d	Add d
R	MT	A			.	.	r	Add d
R	B B	RR	BR	R	D A		B d	Add d
A	LPA				.	.	r	R d

S r **C**
Sr r T M
M E . P

MASER CONSULTING — CONNECTICUT —

Plan View



Front View
L Sr r

d D P P A .A A

R M d	r L. P P r T. O S d
A LPA . . r R d	
A A B R B . r R d	
A A B R B . r R d	
R B T DS . . B d Add d	
R B B A RR BR R D A B d Add d	
R MT A . . r Add d	
R B B RR BR R D A B d Add d	
A LPA . . r R d	

Maser Consulting Connecticut

Subject	TIA-222-H Usage
Site Information	Site ID: 468550-VZW / Quinebaug CT Site Name: Quinebaug CT Carrier Name: Verizon Wireless Address: *720 Quinebaug Road* *Quinebaug, Connecticut 06262* *Windham County* Latitude: 42.022750° Longitude: -71.949300°
Structure Information	Tower Type: 125-Ft Monopole Mount Type: 12.67-Ft Platform

To Whom It May Concern,

We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

The 2018 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H Standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed maps by ASCE 7 based on updated studies of the wind data.

The TIA-222-H standard clarifies these specific requirements for the antenna mount analysis such as modeling methods, seismic analysis, 30-degree increment wind directions and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Justin Linette, PE
Sr. Technical Manager

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.67' PLATFORM

SITE NAME: QUINEBAUG CT
SITE NUMBER: 468550

720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

PROJECT NOTES

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

\AcPublish_18192\QUINEBAUG.Mount MOD.dwg\T-1 By: FCENTONE

PROJECT INFORMATION

SITE INFORMATION

LATITUDE: 42.022750° N
LONGITUDE: 71.949300° W
JURISDICTION: WINDHAM COUNTY

APPLICANT/LESSEE

COMPANY: VERIZON WIRELESS

CLIENT REPRESENTATIVE

COMPANY: VERIZON WIRELESS
ADDRESS: 118 FLANDERS ROAD, THIRD FLOOR
CITY, STATE, ZIP: WESTBOROUGH, MA 01581
CONTACT: ANDREW CANDIELLO
EMAIL: ANDREW.CANDIELLO@VERIZONWIRELESS.COM

PROJECT MANAGER

COMPANY: MASER CONSULTING CONNECTICUT
CONTACT: PETER ALBANO
PHONE: (856) 797-0412
E-MAIL: PETER.ALBANO@COLLIERSENGINEERING.COM

SHEET INDEX

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION: HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #: 10061125
VZW LOCATION CODE (PSLC): 468550
FUZE ID: 16272073

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT
SMART TOOL PROJECT #: 10037918
MASER CONSULTING PROJECT #: 21777031A
ANALYSIS DATE: 3/30/2021

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:

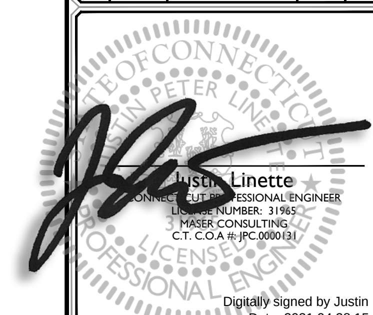
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
811 Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN
JOB NUMBER: 21777031A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
0	4/27/2021	ISSUED FOR CONSTRUCTION	FAC	JL



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

SITE NAME:
QUINEBAUG CT
468550

720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: TITLE SHEET

SHEET NUMBER: T-1

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

BILL OF MATERIALS

VZWSMART KITS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	VZWSMART	VZWSMART-PLK1	SUPPORT RAIL KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
1		VZWSMART-PLK5	KICKER KIT	CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
1		VZWSMART-PLK7	MONOPOLE COLLAR MOUNT ASSEMBLY	

OTHER REQUIRED PARTS

QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES

NOTE: ALL MATERIALS REQUIRED FOR THE DESIGNED MODIFICATIONS BUT NOT LISTED IN THIS SHEET ARE ASSUMED TO BE PROVIDED BY THE CONTRACTOR

VZWSMART KITS - APPROVED VENDORS

COMMSCOPE

CONTACT	SALVADOR ANGUIANO
PHONE	(817) 304-7492
EMAIL	SALVADOR.ANGUIANO@COMMSCOPE.COM
WEBSITE	WWW.COMMSCOPE.COM

METROSITE FABRICATORS, LLC

CONTACT	KENT RAMEY
PHONE	(706) 335-7045 (O), (706) 982-9788 (M)
EMAIL	KENT@METROSITELLC.COM
WEBSITE	METROSITEFABRICATORS.COM

PERFECTVISION

CONTACT	WIRELESS SALES
PHONE	(844) 887-6723
EMAIL	WWW.PERFECT-VISION.COM
WEBSITE	WIRELESSSALES@PERFECT-VISION.COM

SABRE INDUSTRIES, INC.

CONTACT	ANGIE WELCH
PHONE	(866) 428-6937
EMAIL	AKWELCH@SABREINDUSTRIES.COM
WEBSITE	WWW.SABRESITESOLUTIONS.COM

SITE PRO 1

CONTACT	PAULA BOSWELL
PHONE	(972) 236-9843
EMAIL	PAULA.BOSWELL@VALMONT.COM
WEBSITE	WWW.SITEPRO1.COM

NOTE: WHEN SPECIFIED, VZWSMART KITS SHALL BE REQUIRED AND WILL BE VERIFIED DURING THE DESKTOP PMI

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 Know what's below. Call before you dig.

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN

JOB NUMBER : 21777031A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	4/27/2021	ISSUED FOR CONSTRUCTION	FAC	JL

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING
C.T. C.O.A #: PEC.0000131

Digitally Signed by Justin Peter Linette
Date: 2021.04.28 15:02:39-04'00'

SITE NAME:
QUINEBAUG CT
468550

720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

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

SHEET TITLE : BILL OF MATERIALS

SHEET NUMBER : S-1

GENERAL NOTES

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

DESIGN LOADS

WIND LOADS

a. BASIC WIND SPEED (3 SECOND GUST), V = 119 MPH

b. EXPOSURE CATEGORY B

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 368.79'

ICE LOADS

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

b. ICE THICKNESS = 1.50 IN

SEISMIC LOADS

a. SEISMIC DESIGN CATEGORY B

b. SHORT TERM MCER GROUND MOTION, S_S = .183

c. LONG TERM MCER GROUND MOTION, S_1 = .056

STRUCTURAL STEEL

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

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

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

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

SCALE :	JOB NUMBER :
AS SHOWN	21777031A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.
0	4/27/2021	ISSUED FOR CONSTRUCTION	FAC	JL

STATE OF CONNECTICUT · JUSTIN PETER LINETTE · 31965 · LICENSED PROFESSIONAL ENGINEER

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING
C.T. C.O.A #: JPC.0000131

Digitally signed by Justin Peter Linette
Date: 2021.04.28 15:03:00-04'00'

SITE NAME:
QUINEBAUG CT
468550

720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE :
MODIFICATION NOTES

SHEET NUMBER :
S-2

MODIFICATION INSPECTION NOTES

MI CHECKLIST	
CONSTRUCTION/ INSTALLATION INSPECTIONS AND TESTING REQUIRED (COMPLETED BY EOR)	REPORT ITEM
PRE-CONSTRUCTION	
X	MI CHECKLIST DRAWING
X	EOR APPROVED SHOP DRAWINGS
NA	FABRICATION INSPECTION
NA	FABRICATOR CERTIFIED WELD INSPECTION
X	MATERIAL TEST REPORT (MTR)
NA	FABRICATOR NDE INSPECTION
X	PACKING SLIPS
ADDITIONAL TESTING AND INSPECTIONS:	
CONSTRUCTION	
X	CONSTRUCTION INSPECTIONS
NA	CONTRACTOR'S CERTIFIED WELD INSPECTION AND NDE REPORTS
X	ON SITE COLD GALVANIZING VERIFICATION
X	GC AS-BUILT DOCUMENTS
ADDITIONAL TESTING AND INSPECTIONS:	
POST-CONSTRUCTION	
X	MI INSPECTOR REDLINE OR RECORD DRAWING(S)
X	VZW PMI DOCUMENTS
X	PHOTOGRAPHS
ADDITIONAL TESTING AND INSPECTIONS:	

NOTE: X DENOTES A DOCUMENT REQUIRED FOR THE MI REPORT
NA DENOTES A DOCUMENT THAT IS NOT REQUIRED FOR THE MI REPORT

THE MODIFICATION INSPECTION (MI) IS A VISUAL INSPECTION OF MODIFICATIONS AND A REVIEW OF CONSTRUCTION INSPECTIONS AND OTHER REPORTS TO ENSURE THE INSTALLATION WAS CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, NAMELY THE MODIFICATION DRAWINGS, AS DESIGNED BY THE ENGINEER OF RECORD (EOR).

THE MI IS TO CONFIRM INSTALLATION CONFIGURATION AND WORKMANSHIP ONLY AND IS NOT A REVIEW OF THE MODIFICATION DESIGN ITSELF, NOR DOES THE MI INSPECTOR TAKE OWNERSHIP OF THE MODIFICATION DESIGN. OWNERSHIP OF THE STRUCTURAL MODIFICATION DESIGN EFFECTIVENESS AND INTEGRITY RESIDES WITH THE EOR AT ALL TIMES.

TO ENSURE THAT THE REQUIREMENTS OF THE MI ARE MET, IT IS VITAL THAT THE GENERAL CONTRACTOR (GC) AND THE MI INSPECTOR BEGIN COMMUNICATING AND COORDINATING AS SOON AS A PURCHASE ORDER (PO) IS RECEIVED. IT IS EXPECTED THAT EACH PARTY WILL BE PROACTIVE IN REACHING OUT TO THE OTHER PARTY.

MI INSPECTOR

THE MI INSPECTOR IS REQUIRED TO CONTACT THE GC AS SOON AS RECEIVING A PO FOR THE MI TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE GC TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE INSPECTIONS

THE MI INSPECTOR IS RESPONSIBLE FOR COLLECTING ALL GC INSPECTION AND TEST REPORTS, REVIEWING THE DOCUMENTS FOR ADHERENCE TO THE CONTRACT DOCUMENTS, CONDUCTING THE IN-FIELD INSPECTIONS, AND SUBMITTING THE MI REPORT TO EOR.

GENERAL CONTRACTOR

THE GC IS REQUIRED TO CONTACT THE MI INSPECTOR AS SOON AS RECEIVING A PO FOR THE MODIFICATION INSTALLATION OR TURNKEY PROJECT TO, AT A MINIMUM:

- REVIEW THE REQUIREMENTS OF THE MI CHECKLIST
- WORK WITH THE MI INSPECTOR TO DEVELOP A SCHEDULE TO CONDUCT ON-SITE MI INSPECTIONS, INCLUDING FOUNDATION INSPECTIONS
- BETTER UNDERSTAND ALL INSPECTION AND TESTING REQUIREMENTS

THE GC SHALL PERFORM AND RECORD THE TEST AND INSPECTION RESULTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MI CHECKLIST.

RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS AND SUGGESTIONS ARE OFFERED TO ENHANCE THE EFFICIENCY AND EFFECTIVENESS OF DELIVERING AN MI REPORT:

- IT IS SUGGESTED THAT THE GC PROVIDE A MINIMUM OF 5 BUSINESS DAYS NOTICE, PREFERABLY 10, TO THE MI INSPECTOR AS TO WHEN THE SITE WILL BE READY FOR THE MI TO BE CONDUCTED.
- THE GC AND MI INSPECTOR COORDINATE CLOSELY THROUGHOUT THE ENTIRE PROJECT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE SIMULTANEOUSLY FOR ANY GUY WIRE TENSIONING OR RE-TENSIONING OPERATIONS.
- IT MAY BE BENEFICIAL TO INSTALL ALL MODIFICATIONS PRIOR TO CONDUCTING THE FOUNDATION INSPECTIONS TO ALLOW THE FOUNDATION AND MI INSPECTION(S) TO COMMENCE WITH ONE SITE VISIT.
- WHEN POSSIBLE, IT IS PREFERRED TO HAVE THE GC AND MI INSPECTOR ON-SITE DURING THE MI TO HAVE ANY DEFICIENCIES CORRECTED DURING THE INITIAL MI. THEREFORE, THE GC MAY CHOOSE TO COORDINATE THE MI CAREFULLY TO ENSURE ALL CONSTRUCTION FACILITIES ARE AT THEIR DISPOSAL WHEN THE MI INSPECTOR IS ON SITE.

CORRECTION OF FAILING MI'S

IF THE MODIFICATION INSTALLATION WOULD FAIL THE MI ("FAILED MI"), THE GC SHALL WORK WITH THE OWNER TO COORDINATE A REMEDIATION PLAN:

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

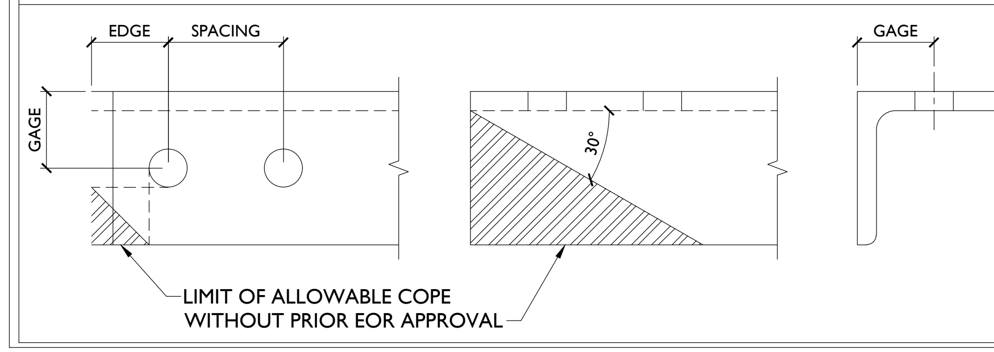
REQUIRED PHOTOS

BETWEEN THE GC AND THE MI INSPECTOR THE FOLLOWING PHOTOGRAPHS, AT A MINIMUM, ARE TO BE TAKEN AND INCLUDED IN THE MI REPORT:

- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING REPAIR
- POST CONSTRUCTION PHOTOGRAPHS
  - FINAL INFIELD CONDITION

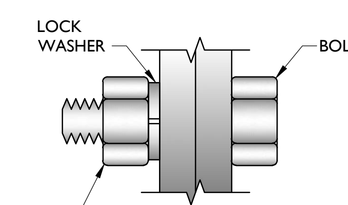
PHOTOS OF ELEVATED MODIFICATIONS TAKEN ONLY FROM THE GROUND SHALL BE CONSIDERED INADEQUATE.

ALLOWABLE COPING



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

WORKABLE GAGES (IN.)	
LEG	GAGE
4	2 1/2
3 1/2	2
3	1 3/4
2 1/2	1 3/8
2	1 1/8



TYP. BOLT ASSEMBLY

NOTES:

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

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty through Client Satisfaction
www.maserconsulting.com
Office Locations:
NEW JERSEY, NEW YORK, PENNSYLVANIA, VIRGINIA, FLORIDA, NORTH CAROLINA, SOUTH CAROLINA, NEW MEXICO, MARYLAND, GEORGIA, TEXAS, TENNESSEE, COLORADO

verizon

SCALE: AS SHOWN | JOB NUMBER: 21777031A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	4/27/2021	ISSUED FOR CONSTRUCTION	FAC	JL

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING
C.T. C.O.A. #: PEC.0001131
Digitally signed by Justin Peter Linette
Date: 2021.04.28 15:03:10 -04'00'

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

SITE NAME:
QUINEBAUG CT
468550

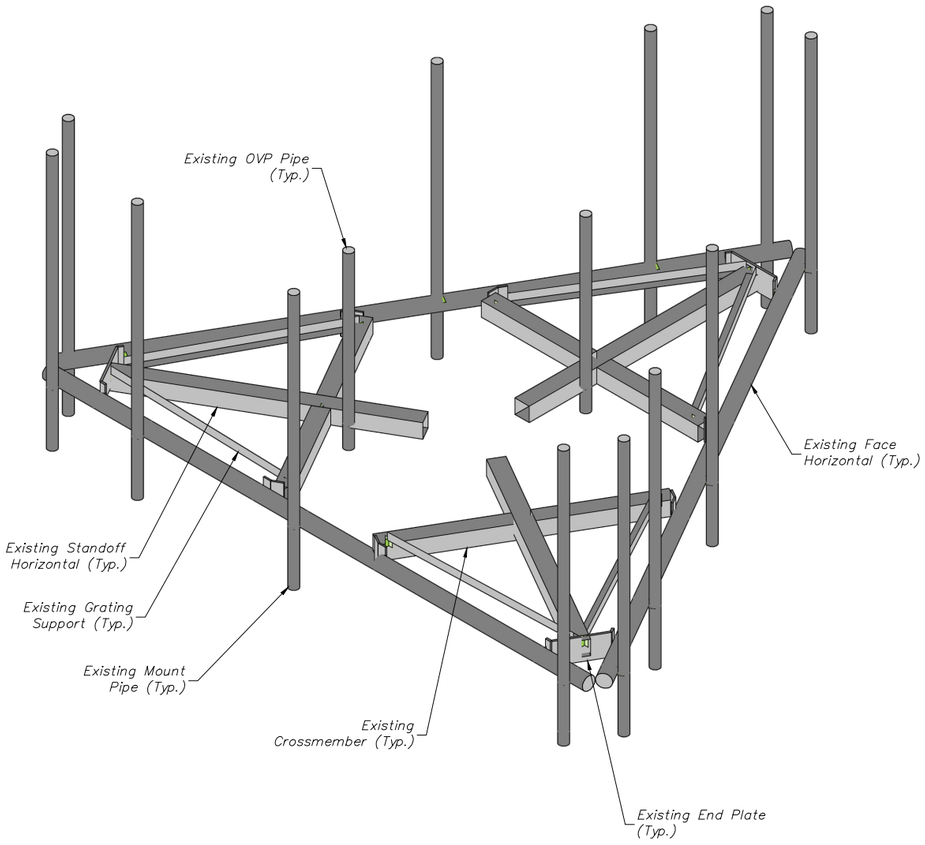
720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

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

SHEET TITLE: MODIFICATION NOTES

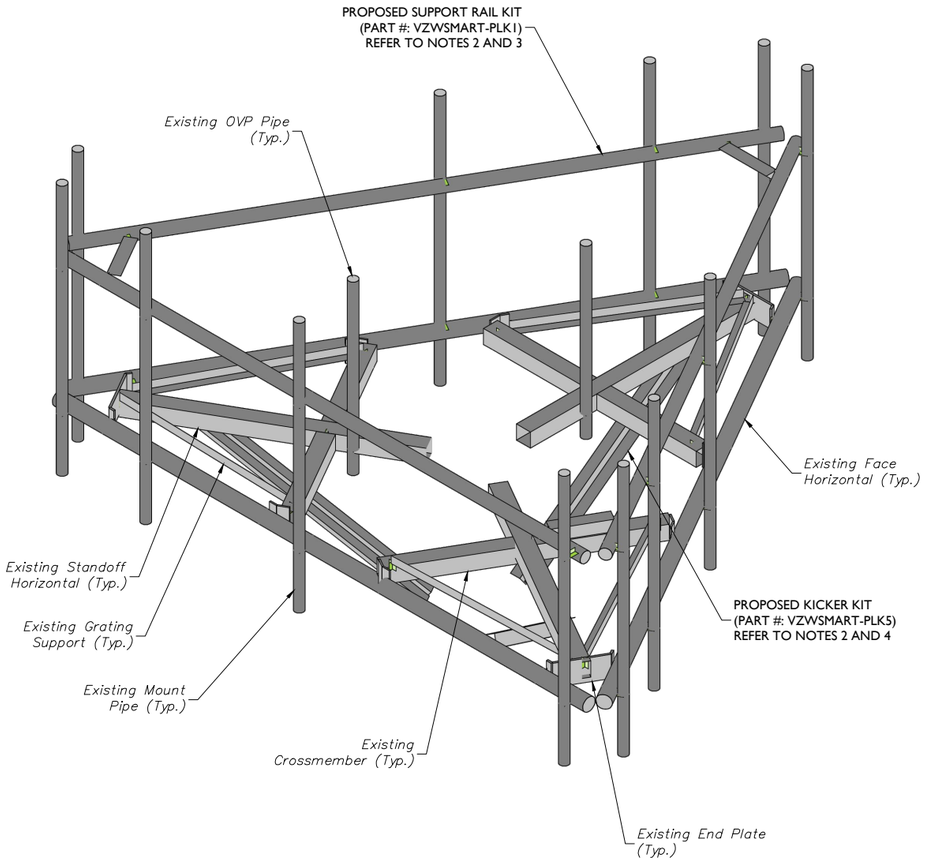
SHEET NUMBER: S-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.



1 EXISTING PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.



2 PROPOSED PLATFORM ISOMETRIC VIEW

SCALE : N.T.S.

STRUCTURAL NOTES:

1. PER THE MOUNT MAPPING COMPLETED BY HUDSON DESIGN GROUP, LLC ON 2/12/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (112'-6") ARE IN GOOD CONDITION, HOWEVER THEY ARE UBSTRUCTED BEFORE ACCESSING VERIZON'S MOUNT. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. TIMELY NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).

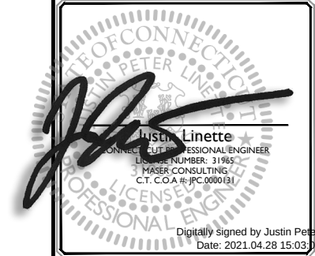
MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN
JOB NUMBER : 21777031A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	4/27/2021	ISSUED FOR CONSTRUCTION	FAC	JL



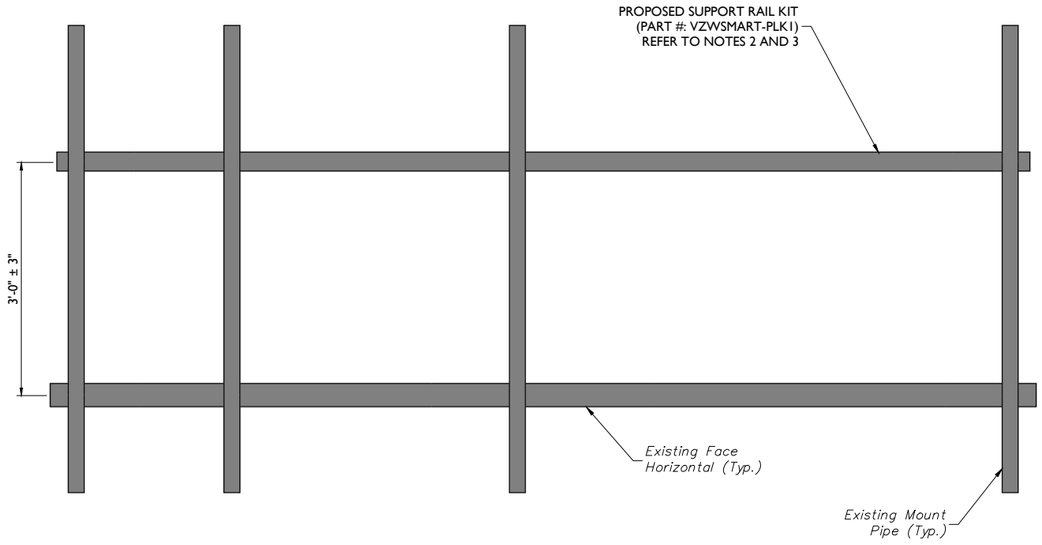
SITE NAME:
QUINEBAUG CT
468550

720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

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

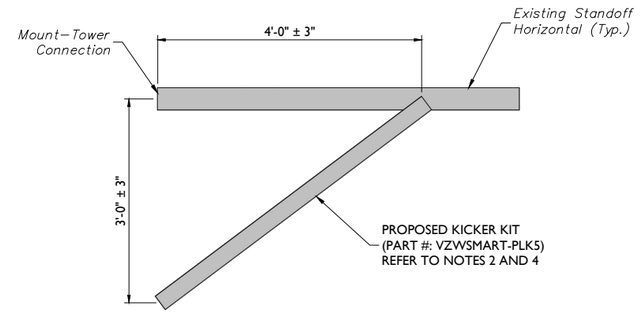
SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-4



1 PROPOSED FRONT ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.



2 PROPOSED SIDE ELEVATION (TYP. ALL SECTORS)

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).

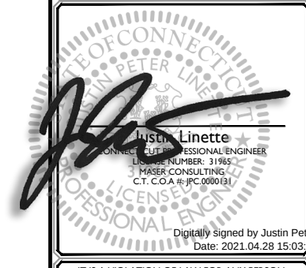
MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN
JOB NUMBER : 21777031A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	4/27/2021	ISSUED FOR CONSTRUCTION	FAC	JL



Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING P.A.
C.T. C.O.A #: PEC.0000131

Digitally Signed by Justin Peter Linette
Date: 2021.04.28 15:03:10-04'00'

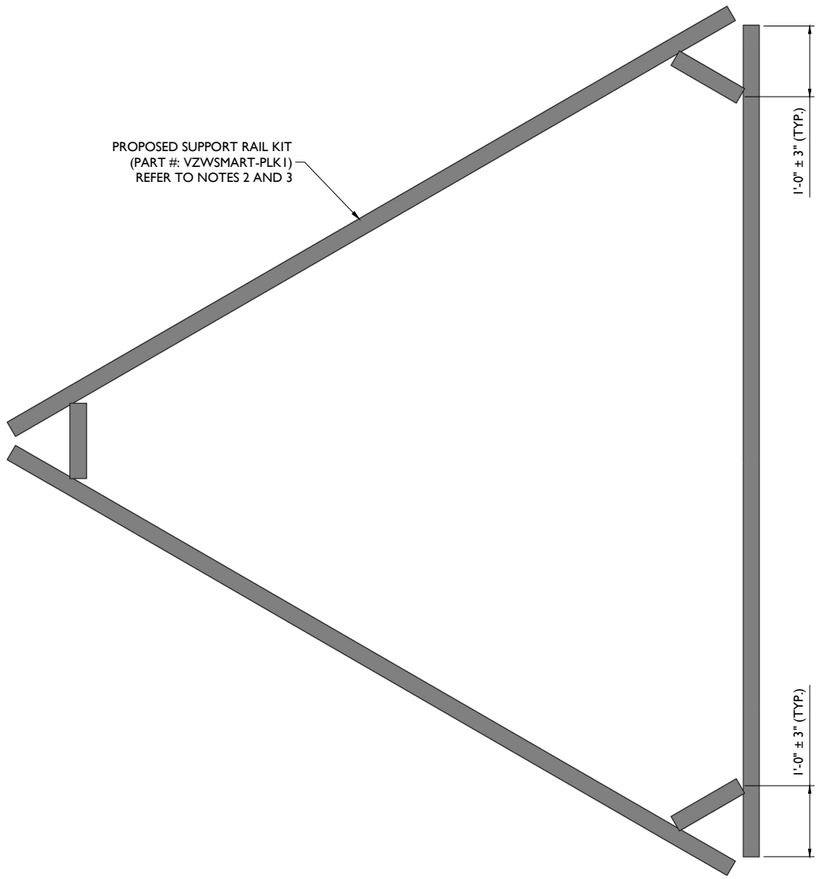
SITE NAME:
QUINEBAUG CT
468550

720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

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

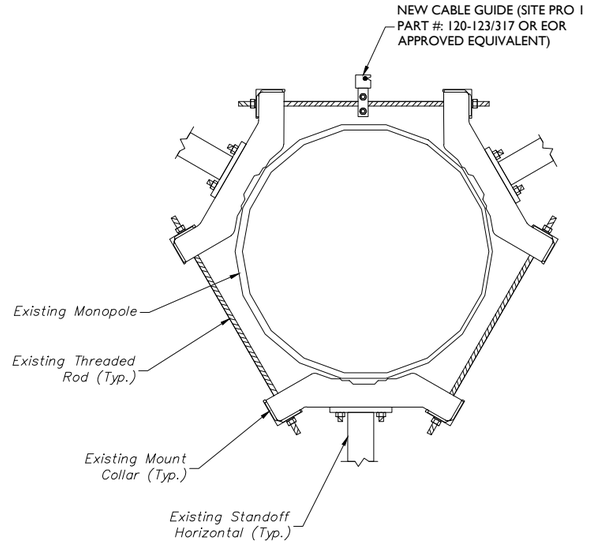
SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-5



1 PROPOSED PLAN VIEW

SCALE : N.T.S.



2 PROPOSED CABLE GUIDE THREADED ROD ATTACHMENT - PLAN VIEW

SCALE : N.T.S.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. CONTRACTOR TO VERIFY THE LENGTH REQUIRED AND TRIM AS NECESSARY IN ACCORDANCE WITH THE 'STRUCTURAL STEEL' NOTES ON SHEET S-2.
3. RADIO AND/OR TME POSITIONS SHALL BE ADJUSTED VERTICALLY AS NEEDED IN ORDER TO ACHIEVE INSTALLATION OF HORIZONTAL AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
4. CONNECT OTHER END OF KICKER KIT TO MONOPOLE COLLAR MOUNT ASSEMBLY (PART #: VZWSMART-PLK7).

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTHS SURFACE ANYWHERE IN ANY STATE
Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE :	JOB NUMBER :
AS SHOWN	21777031A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	4/27/2021	ISSUED FOR CONSTRUCTION	FAC	JL

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING
C.T. C.O.A #: PEC.0000131

Digitally Signed by Justin Peter Linette
Date: 2021.04.28 15:03:30-04'00'

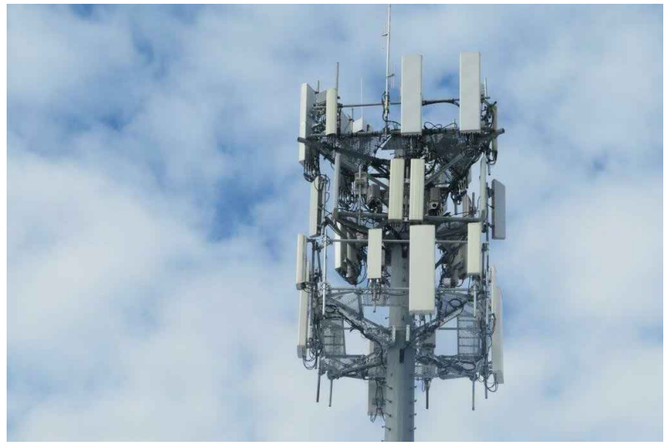
SITE NAME:
QUINEBAUG CT
468550

720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

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

SHEET TITLE :
MODIFICATION DETAILS

SHEET NUMBER :
S-6



MOUNT PHOTO 1

MOUNT PHOTO 2

MOUNT PHOTO 3

MOUNT PHOTO 4

MASER CONSULTING CONNECTICUT
WILL BE KNOWN AS COLLIERS ENGINEERING & DESIGN IN 2021
Customer Loyalty *through* Client Satisfaction
www.maserconsulting.com
Office Locations:
- NEW JERSEY
- NEW YORK
- PENNSYLVANIA
- VIRGINIA
- FLORIDA
- NORTH CAROLINA
- SOUTH CAROLINA
- NEW MEXICO
- MARYLAND
- GEORGIA
- TEXAS
- TENNESSEE
- COLORADO

verizon

811 Know what's below. Call before you dig.

PROTECT YOURSELF
ALL STATES REQUIRE NOTIFICATION OF EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE : AS SHOWN

JOB NUMBER : 21777031A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
0	4/27/2021	ISSUED FOR CONSTRUCTION	FAC	JL

STATE OF CONNECTICUT — JUSTIN PETER LINETTE — 31965 — LICENSED PROFESSIONAL ENGINEER

Justin Linette
CONNECTICUT PROFESSIONAL ENGINEER
LICENSE NUMBER: 31965
MASER CONSULTING, P.A.
C.T. C.O.A. #: PEC.0000131

Digitally Signed by Justin Peter Linette
Date: 2021.04.28 15:03:11-04'00'

SITE NAME:
QUINEBAUG CT
468550

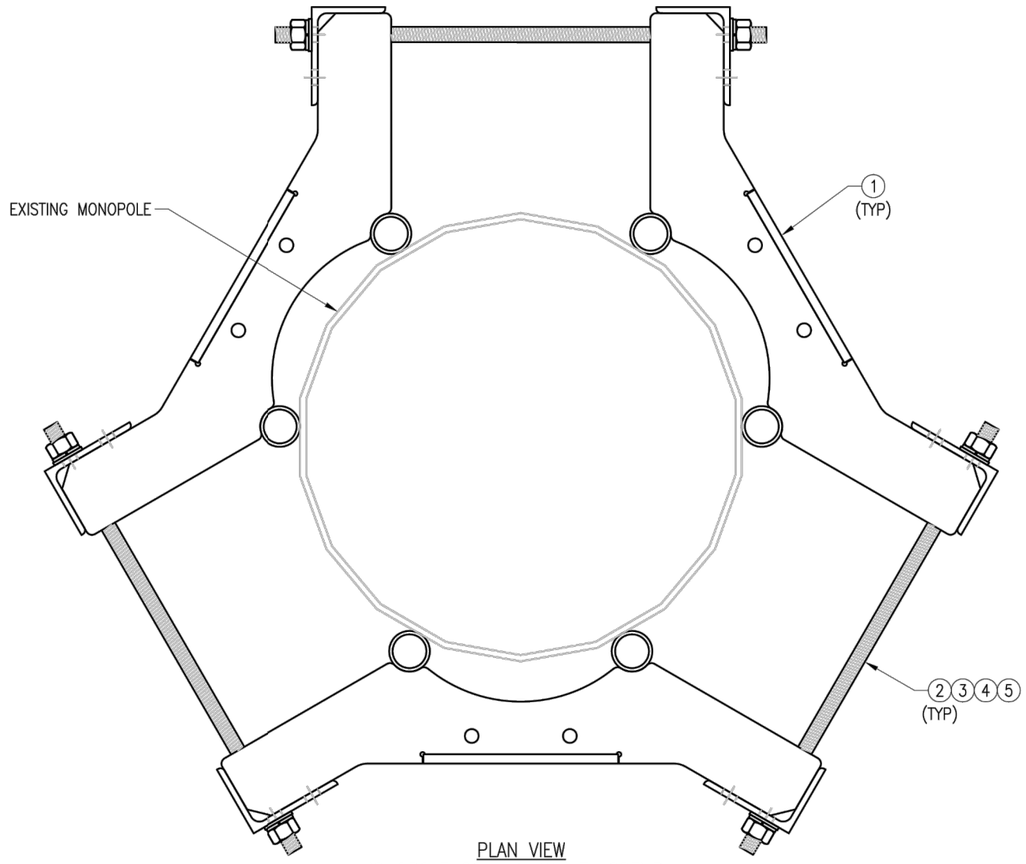
720 QUINEBAUG ROAD
QUINEBAUG, CT 06262
WINDHAM COUNTY

MT. LAUREL OFFICE
2000 Midlantic Drive
Suite 100
Mount Laurel, NJ 08054

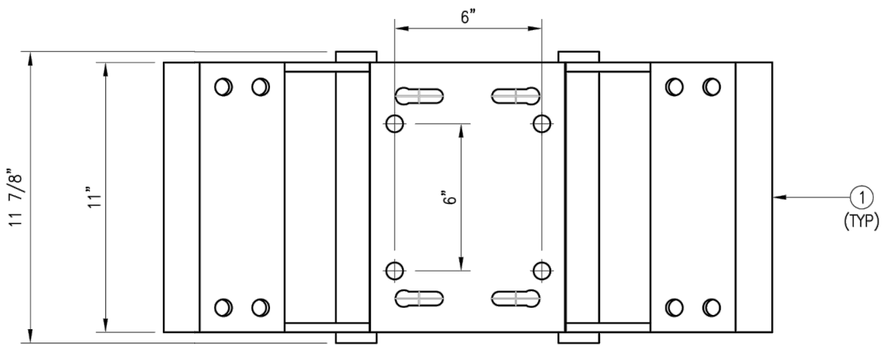
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE : MOUNT PHOTOS

SHEET NUMBER : S-7



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

VzW
SMART Tool©
Vendor

verizon

DRAWN BY: BT | CHECKED BY: HMA/KW

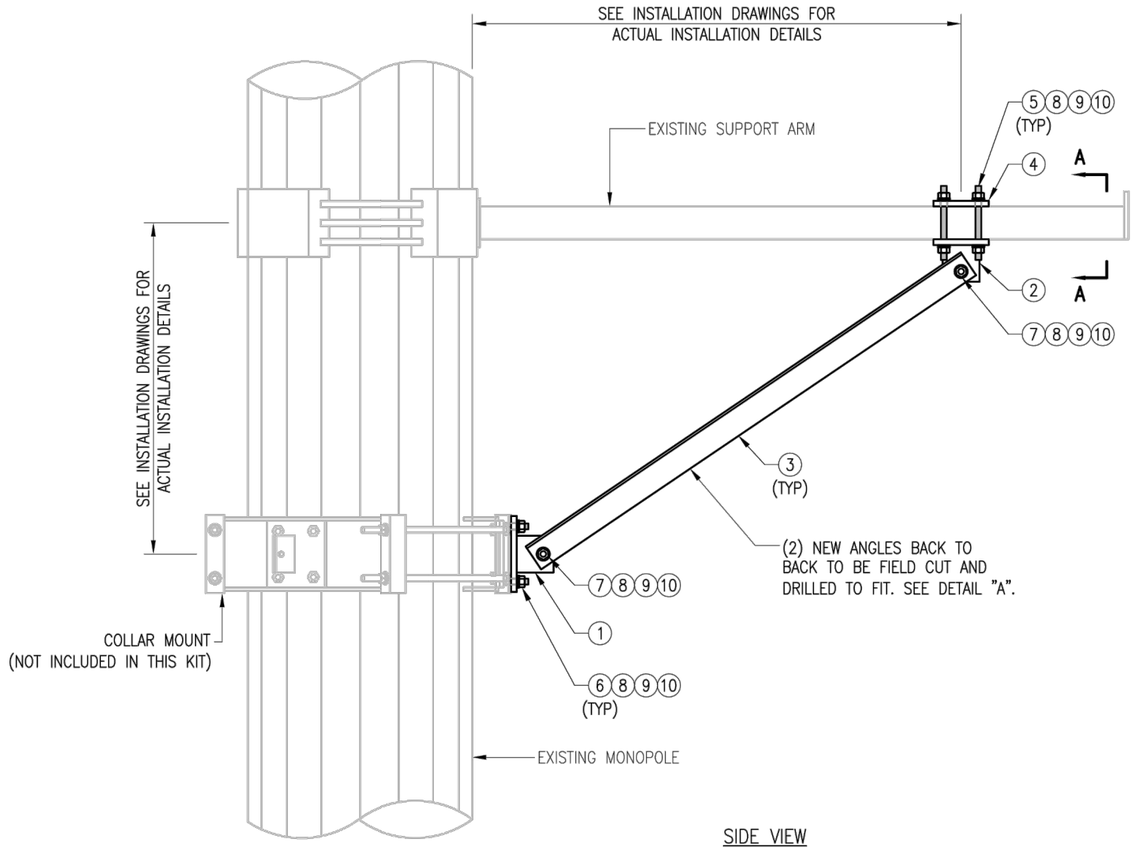
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

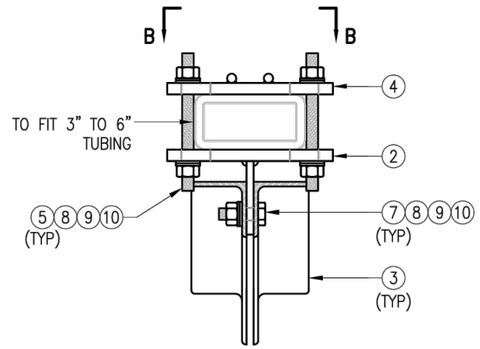
SHEET NUMBER: VZWSMART-PLK7

REV #: 0

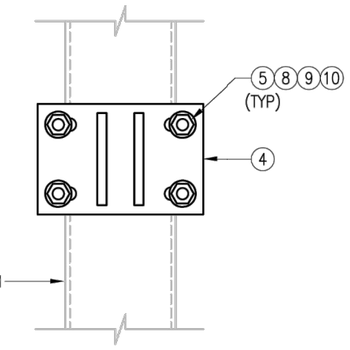
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



SIDE VIEW
KICKER KIT

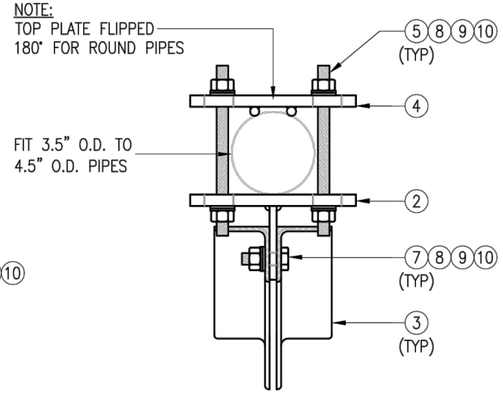


SECTION "A–A"
RECT. HSS MOUNTING

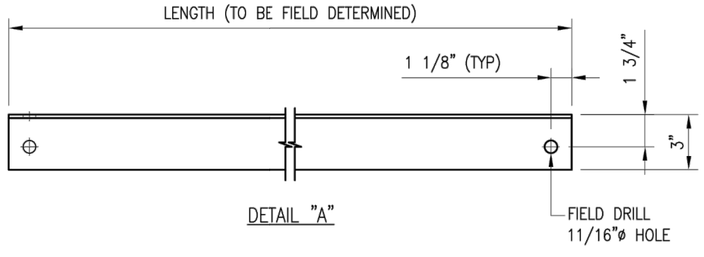


SECTION "B–B"

NOTE:
TOP PLATE FLIPPED 180° FOR ROUND PIPES



SECTION "A–A"
ROUND PIPE MOUNTING



DETAIL "A"

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

VZWSMART–PLK5 (KICKER KIT)

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

VzW
SMART Tool©
Vendor

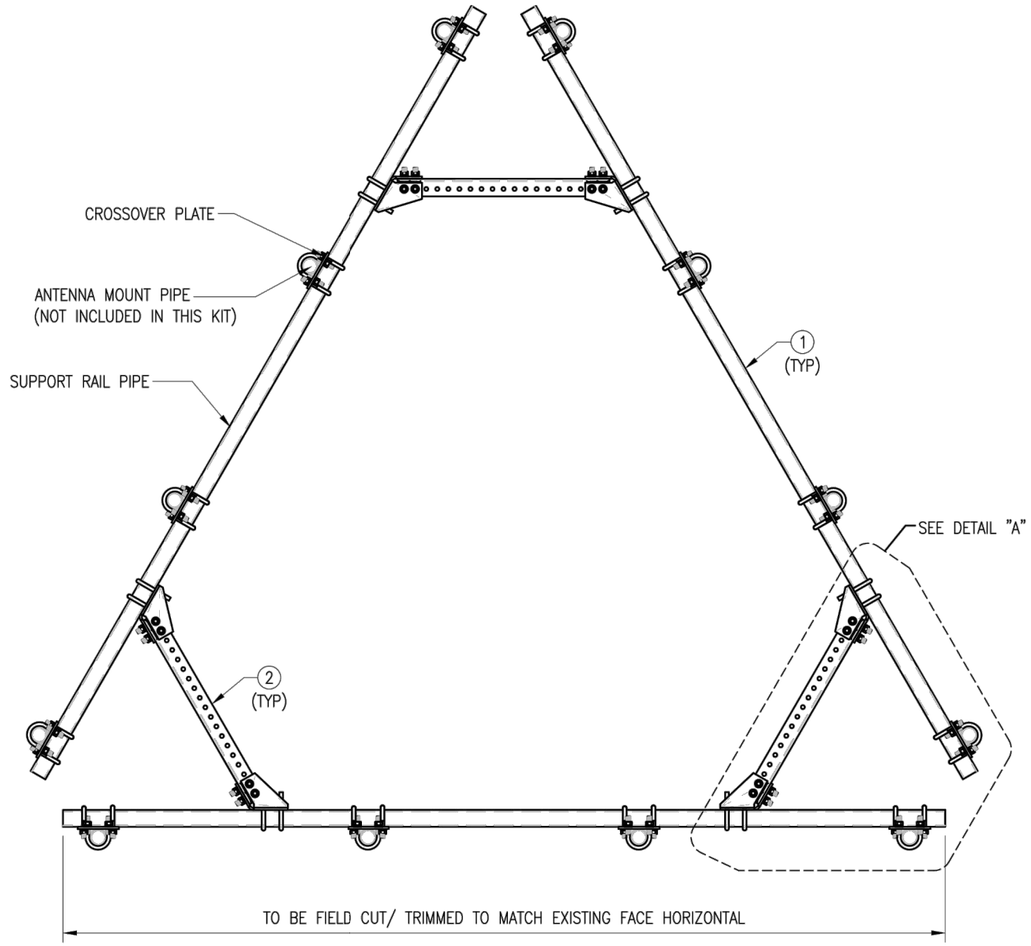
verizon

DRAWN BY: MN | CHECKED BY: HMA/KW

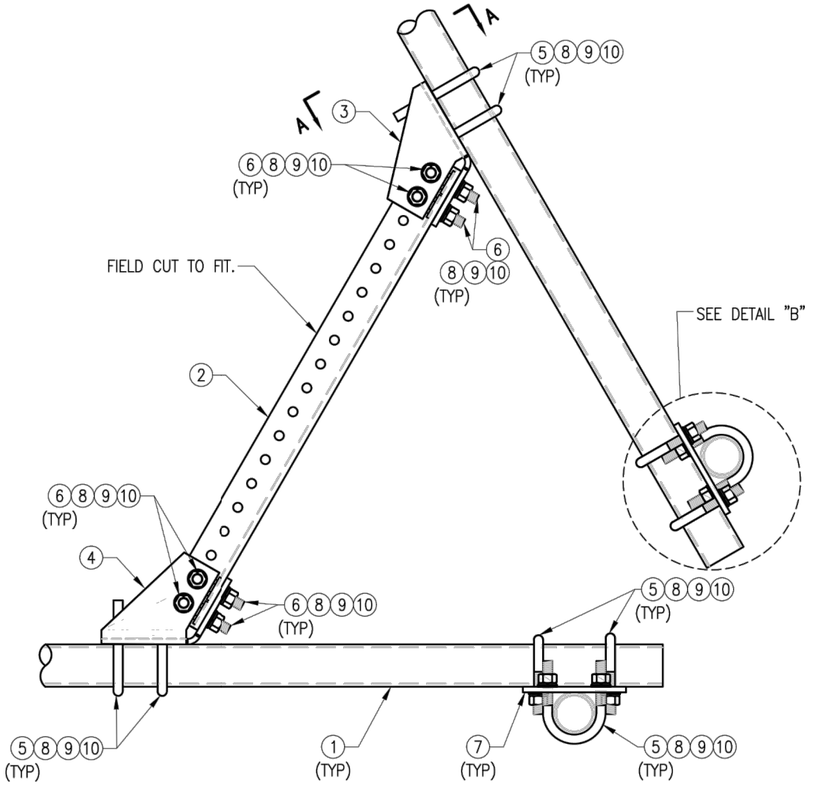
REV.	DESCRIPTION	BY	DATE
1	FIRST ISSUE	MN	05/08/20

SHEET TITLE:
VZWSMART–PLK5
KICKER KIT

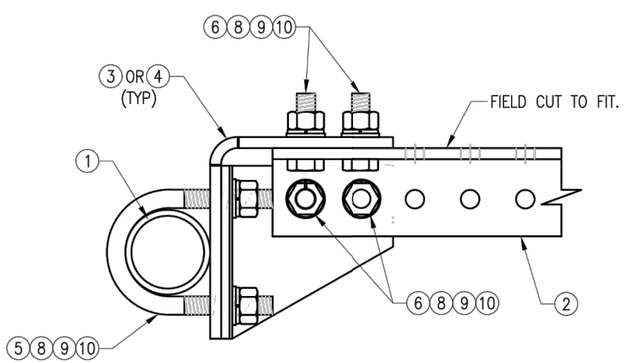
SHEET NUMBER: VZWSMART–PLK5
REV #: 0



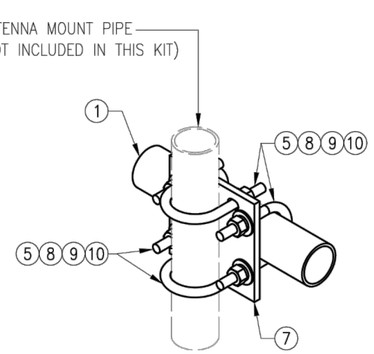
PLAN VIEW



DETAIL "A"



SECTION "A–A"



DETAIL "B"

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

VZW SMART–PLK1 (SUPPORT RAIL KIT)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	3	PST2875–12.5	2.5" PST (2.875" O.D. X 0.203" THK.) X 12'–6" A53 GR–B	PLK1–F1	292
2	3	L33375–3	L 3" X 3" X 3/8" X 3'–0" A36	PLK1–F1	66
3	3	CBP–L	CORNER BENT PLATE BRACKET	PLK1–F2	28
4	3	CBP–R	CORNER BENT PLATE BRACKET	PLK1–F2	28
5	60	MS02–625–300–500	RU–BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC–1	82
6	24	---	BOLT 5/8" X 2" A325	---	9
7	12	PL375–857	PL 3/8" X 8 1/2" X 7'–0" A36	PLK1–F3	77
8	144	FW–625	5/8" HDG USS FLAT WASHER	---	12
9	144	LW–625	5/8" HDG LOCK WASHER	---	3
10	144	NUT–625	5/8" HDG HEX NUT	---	17
				GALVANIZED WT	504

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

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

SHEET TITLE:

VZWSMART–PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART–PLK1

REV #: 0

ATTACHMENT 5


Search
Selection
Themes
Markup
131
Quinebaug Rd
1
0 AC
7
0.28 AC
8
0.17 AC
7 A
0.29 AC
9
0.52 AC
5
2.4 AC
10A
1.05 AC
10
1.41 AC
305.43
226.10
84.16
310.00
401.99
150.43
325.33
90.50
59.50
133.92
11.33
312.28
244.79
229.56
124.87
116.6
104
100
82.5
80
85
42.02284,-71.950853

THOMPSON,CT

720 QUINEBAUG RD

Location
720 QUINEBAUG RD
Mblu
3/ 81/ 1/ /
Acct#
004936
Owner
QUINEBAUG VOLUNTEER FIRE DEPT
Assessment
$727,600
Appraisal
$1,039,500
PID
144
Building Count
1

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2019	$904,800	$134,700	$1,039,500

Assessment

Valuation Year	Improvements	Land	Total
2019	$633,400	$94,200	$727,600

Owner of Record

Owner QUINEBAUG VOLUNTEER FIRE DEPT
Co-Owner
Address P O BOX 144
QUINEBAUG, CT 06262
Sale Price $0
Certificate
Book & Page 0368/0336
Sale Date 12/19/1997

Ownership History

Ownership History

Owner	Sale Price	Certificate	Book & Page	Sale Date
QUINEBAUG VOLUNTEER FIRE DEPT	$0		0368/0336	12/19/1997

Building Information
Building 1 : Section 1

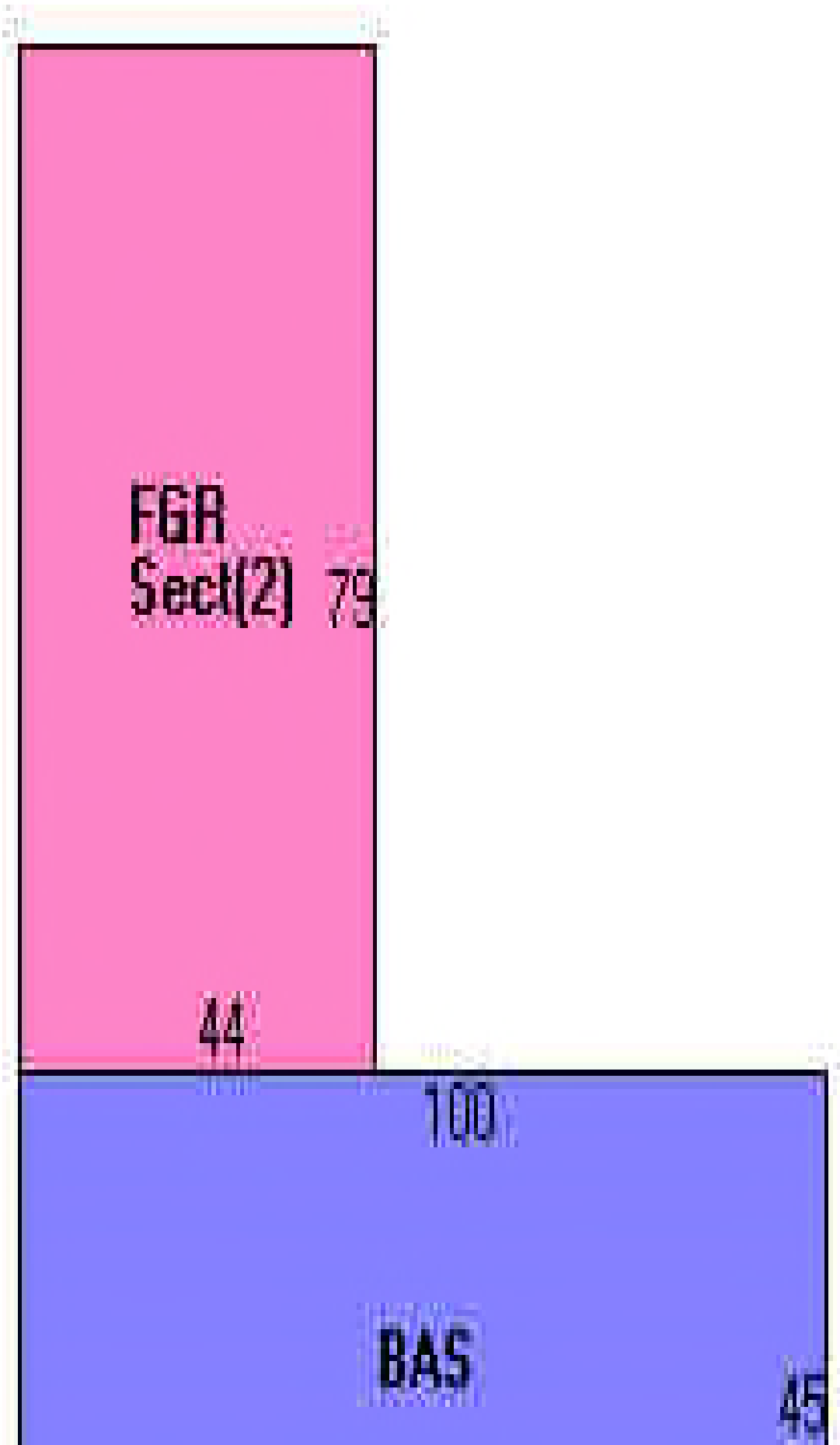
Year Built: 2005
Living Area: 4,500
Replacement Cost: $844,388
Building Percent Good: 80
Replacement Cost Less Depreciation: $675,500

Building Attributes

Field	Description
STYLE	Fire Station
MODEL	Ind/Comm
Grade	Good +10

Stories:	1
Occupancy	1
Exterior Wall 1	Pre-finsh Metl
Exterior Wall 2	
Roof Structure	Steel Frm/Trus
Roof Cover	Metal/Tin
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Concr Abv Grad
Interior Floor 2	Vinyl/Asphalt
Heating Fuel	Oil
Heating Type	Hydro air
AC Type	Central
Bldg Use	MUN FIRE
Total Rooms	03
Total Bedrms	0
Total Baths	0
1st Floor Use:	
Heat/AC	NONE
Frame Type	STEEL
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	12
% Comn Wall	0

Building Photo 


FGR
Sect(2)
79
44
100
BAS
45

Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area
BAS	First Floor	4,500	4,500
CAN	Canopy	120	0
		4,620	4,500

Building 1 : Section 2

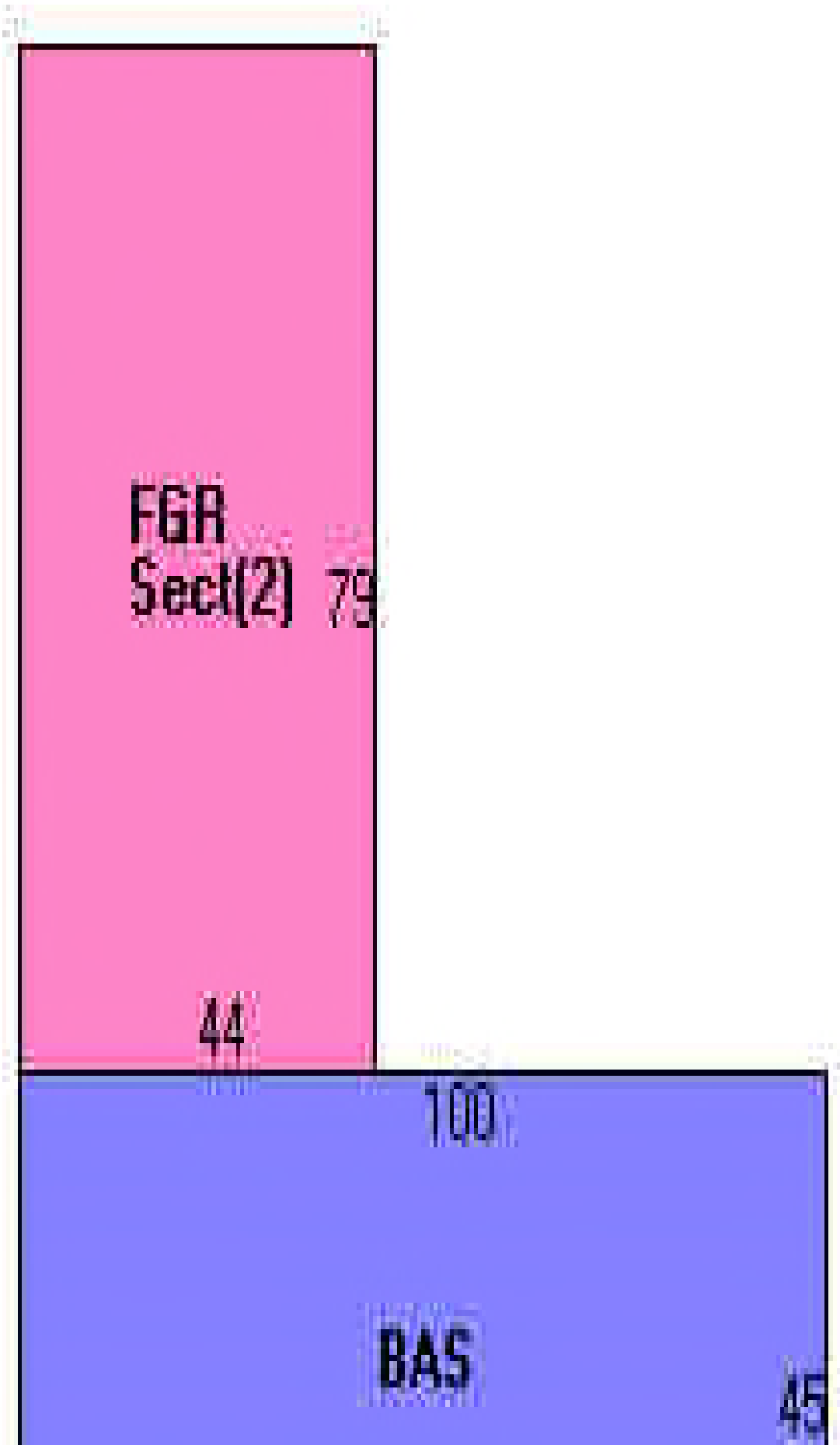
Year Built: 2005
Living Area: 0
Replacement Cost: $264,350
Building Percent Good: 80
Replacement Cost Less Depreciation: $211,500

Building Attributes : Section 2 of 2

Field	Description
STYLE	Fire Station
MODEL	Ind/Comm
Grade	Good +10
Stories:	1
Occupancy	1
Exterior Wall 1	Pre-finsh Metl
Exterior Wall 2	
Roof Structure	Steel Frm/Trus
Roof Cover	Metal/Tin
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Floor 1	Concr Abv Grad
Interior Floor 2	Dirt/None
Heating Fuel	Oil

Heating Type	Hydro air
AC Type	Central
Bldg Use	MUN FIRE
Total Rooms	03
Total Bedrms	0
Total Baths	0
1st Floor Use:	
Heat/AC	NONE
Frame Type	STEEL
Baths/Plumbing	AVERAGE
Ceiling/Wall	CEIL & WALLS
Rooms/Prtns	AVERAGE
Wall Height	20
% Comn Wall	0

Building Photo


FGR
Sect(2)
79
44
100
BAS
45

Building Sub-Areas (sq ft) Legend

Code	Description	Gross Area	Living Area
FGR	Garage	3,476	0
		3,476	0

Extra Features

Extra Features Legend

No Data for Extra Features

Land

Land Use

Use Code	9032
Description	MUN FIRE
Zone	R40
Neighborhood	
Alt Land Appr	No
Category	

Land Line Valuation

Size (Acres)	2.4
Frontage	305
Depth	0
Assessed Value	$94,200
Appraised Value	$134,700

Outbuildings

Outbuildings Legend

Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
PAV1	PAVING-ASPHALT			10000 S.F.	$10,000	1
SHD1	SHED FRAME			392 S.F.	$3,300	1
LT2	W/DOUBLE LIGHT			2 UNITS	$2,000	1

LT3	W/TRIPLE LIGHT			1 UNITS	$1,500	1
LT1	LIGHTS-IN W/PL			1 UNITS	$1,000	1

Valuation History

Appraisal

Valuation Year	Improvements	Land	Total
2018	$949,200	$138,000	$1,087,200
2017	$949,200	$138,000	$1,087,200
2016	$949,200	$138,000	$1,087,200

Assessment

Valuation Year	Improvements	Land	Total
2018	$664,500	$96,600	$761,100
2017	$664,500	$96,600	$761,100
2016	$664,500	$96,600	$761,100

closecloseclose

ATTACHMENT 6

QUINEBAUG

UNITED STATES POSTAL SERVICE®

Certi□cate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Of ce™	Af□x Stamp Here ***Postmark with Date of Receipt.***
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3		neopost 06/14/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

OLD STATE HOUSE STATION 06103 JUN 14 2021 USPS

USPS® Tracking Number Firm-speci□c Identi□er	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Amy St. Onge, First Selectman Town of Thompson 812 Riverside Drive North Grosvenordale, CT 06255				
2.	Tyra Penn-Gesek, Director Planning & Development Town of Thompson 812 Riverside Drive North Grosvenordale, CT 06255				
3.	Quinebaug Volunteer Fire Department P.O. Box 144 Quinebaug, CT 06262				
4.					
5.					
6.					