Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

August 20, 2021

Via Electronic Mail

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

Re: **Notice of Exempt Modification – Facility Modification**
92 (a/k/a 90) Knowlton Hill Road, Ashford, 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 Siting Council in October 2004 (Docket No. 291). Cellco's shared use of the tower was approved by the Council in November 2006 (EM-VER-003-061012). A copy of the Docket No. 291 Decision and Order and Cellco's 2006 approval are included in Attachment 1.

Cellco now intends to modify its facility by replacing nine (9) of its existing antennas with three (3) Samsung MT6407-77A antennas; and six (6) MX06FRO660-03 antennas. Cellco will also install six (6) remote radio heads ("RRHs") on its existing antenna platform. A set of project plans showing Cellco's proposed facility modifications and the new antennas and RRHs specifications are included in Attachment 2.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Ashford'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. The replacement antennas and RRHs 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. A cumulative general power density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.

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

6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna platform, with certain structural modifications, can support Cellco's proposed modifications. Copies of the SA and MA with Mount Modification Drawings are included in Attachment 4.

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

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

Sincerely,

Kenneth C. Baldwin

Enclosures
Copy to:

Cathryn Silver-Smith, First Selectman for the Town of Ashford
Michael D'Amato, Ashford Zoning Officer
Thomas E. Knowlton, Property Owner
Karla Hanna, Verizon Wireless

ATTACHMENT 1

Connecticut Siting Council(/CSC)

Decisions (/CSC/Decisions/Decisions) >

Meetings and Minutes (/CSC/Common-Elements/v4-template/Council-Activity) >

Pending Matters (/CSC/1_Applications-and-Other-Pending-Matters/Pending-Matters) >

About Us (/CSC/Common-Elements/Common-Elements/Connecticut-Siting-Council---Description) >

Contact Us (/CSC/Common-Elements/Common-Elements/Contact-Us) >

Search Connecticut Siting Council

DOCKET NO. 291 - National Grid Communications, Inc. application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a wireless telecommunications facility at one of two sites located on Knowlton Hill Road, Ashford, Connecticut	}	Connecticut
	}	Siting
	}	Council
		October 26, 2004

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Tower Ventures II, LLC, hereinafter reffered to as the Certificate Holder, at Site A-1, located on parcel 43/E/4, Knowlton Hill Road, Ashford, Connecticut. The Council denies certification of Site A-2, located on parcel 43/E/4, Knowlton Hill Road, Ashford, Connecticut.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Omnipoint Communications and other entities, both public and private, but such tower shall not exceed a height of 150 feet above ground level, including appurtenances. The tower and foundation shall be designed and constructed with the ability to be extended to 180 feet above ground level, with such extension subject to Council approval by petition for a declaratory ruling, pursuant to Sections 16-50j-38 through 16-50j-40 of the Regulations of Connecticut State Agencies.

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

a. a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment building, access road, utility line, and landscaping; and
b. construction plans for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case

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

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. The Certificate Holder shall provide reasonable space on the tower for no compensation for any municipal antennas, provided such antennas are compatible with the structural integrity of the tower.
7. If the facility does not initially provide wireless services within one year of completion of construction or ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and cease to function.
9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved. Any request for extension of this period shall be filed with the Council not later than sixty days prior to the expiration date of this Certificate and shall be served on all parties and intervenors and the Town of Ashford, as listed in the service list. Any proposed modifications to this Decision and Order shall likewise be so served.

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

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

The parties and intervenors to this proceeding are:

Applicant	**Its Representative**
Tower Ventures II, LLC	David Vivian Senior Vice President Tower Ventures II, LLC 733 Chapin Street, Suite 200F Ludlow, MA 01056 Benjamin Proto, Esq. 2090 Cutspring Road Stratford, CT 06614 Kenneth Ira Spigle, Esq. 170 Westminster Street, Suite 701 Providence, RI 02903
Intervenor	**Its Representative**
Omnipoint Communications, Inc.	Stephen J. Humes, Esq. McCarter & English, LLP CityPlace I 185 Asylum Street Hartford, CT 06103

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

November 4, 2006

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

RE: **EM-VER-003-061012** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 99 Knowlton Hill Road, Ashford, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on October 31, 2006, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated October 12, 2006, 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 Ralph H. Fletcher, First Selectman, Town of Ashford
Richard Dziadus, Zoning Enforcement Officer, Town of Ashford
David Vivian, Site Development Manager, Gridcom
Christine Farrell, T-Mobile
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Michele G. Briggs, New Cingular Wireless PCS, LLC

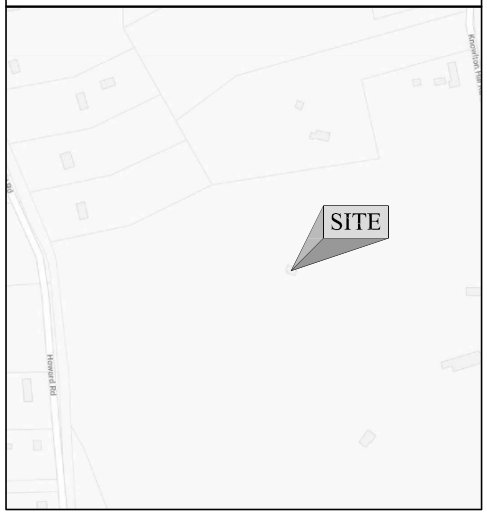
ATTACHMENT 2

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 150'-0"± MONOPOLE

Digitally signed by Jiazhu Hu, Ph.D., P.E.
DN: cn=Jiazhu Hu, Ph.D., P.E., o=Nexius, ou=Engineering, email=Jiazhu.Hu@Nexius.com, c=US
Date: 2021.08.09 16:03:28 -04'00'

SITE NAME
ASHFORD WEST 2 CT

LOCATION CODE
469295

SITE OWNER
SBA

SITE NUMBER
CT13614

ADDRESS
90 KNOWLTON HILL ROAD
ASHFORD, CT 06278

COORDINATES
41° 50' 26.80" N
72° 12' 27.10" 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	03/24/21	PER CONSTRUCTION	MLB
1	05/10/21	PER MOUNT MODIFICATION	MLB
2	05/28/21	PER UPDATED RFDS	MLB
3	08/09/21	PER UPDATED MOD & MA	MLB

SITE INFORMATION:
SITE NAME:
ASHFORD WEST 2 CT
LOCATION CODE:
469295
SITE ADDRESS:
90 KNOWLTON HILL ROAD
ASHFORD, CT 06278

DRAWN BY:	DATE:
MLB	05/28/21
CHECKED BY:	DATE:
KB	05/28/21

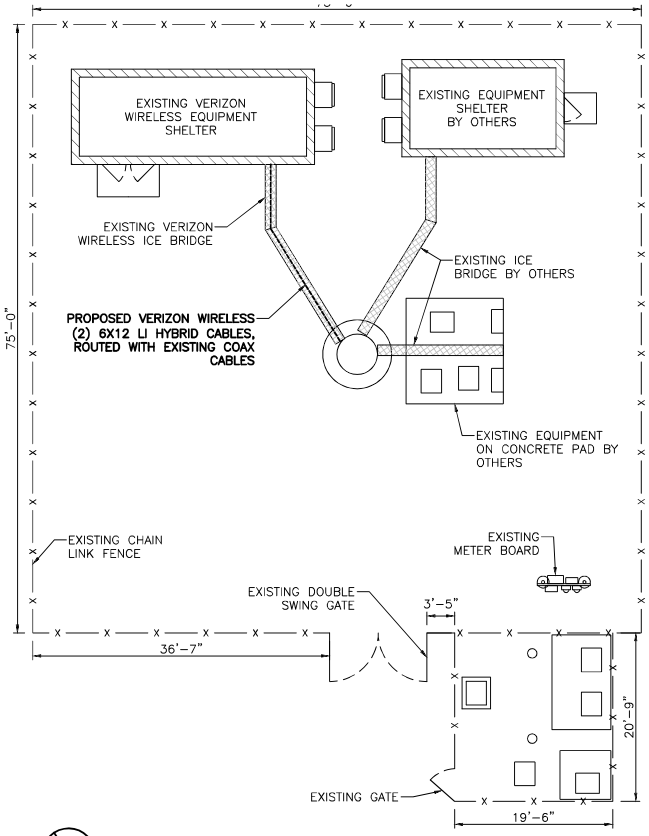
NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T-1

NOTE:
PROJECT OWNER IS RESPONSIBLE FOR PROVIDING A TOWER STRUCTURAL ANALYSIS FOR THE TOWER STRUCTURE TO DETERMINE CAPACITY AND SUITABILITY OF THE TOWER STRUCTURE TO ADEQUATELY CARRY ALL LOADS IMPOSED BY BOTH EXISTING AND PROPOSED EQUIPMENT AS SHOWN HEREIN.

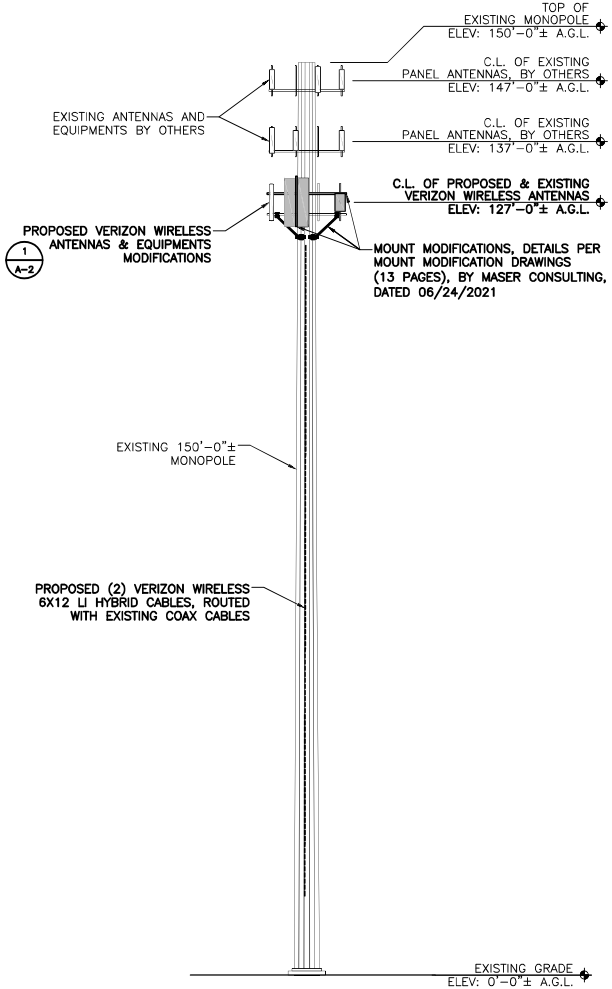
MOUNT STRUCTURAL ANALYSIS PREPARED BY MASER CONSULTING
MOUNT STRUCTURAL MODIFICATION DESIGN AND ANALYSIS PREPARED BY MASER CONSULTING, ENTITLED POST-MOD ANTENNA MOUNT ANALYSIS REPORT AND PMI REQUIREMENTS, DATED JUNE 25, 2021, STATES THAT THE EXISTING MOUNTS ARE ADEQUATE FOR THE EXISTING AND PROPOSED LOADING AFTER INSTALLING THE PROPOSED MODIFICATIONS.



APPROX. NORTH

1 COMPOUND PLAN
SCALE: 1/8" = 1'-0"

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



2 STRUCTURE ELEVATION
SCALE: 3/32" = 1'-0"

GRAPHIC SCALE: 3/32"=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

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	03/24/21	PER CONSTRUCTION	MLB
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2	05/28/21	PER UPDATED RFDS	MLB
3	08/09/21	PER UPDATED MOD & MA	MLB

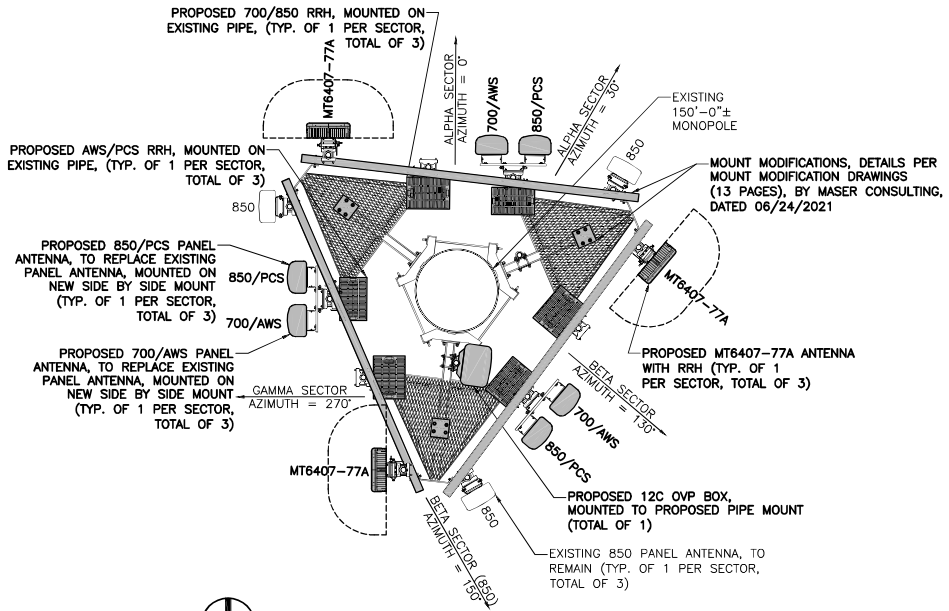
SITE INFORMATION:
SITE NAME:
ASHFORD WEST 2 CT
LOCATION CODE:
469295
SITE ADDRESS:
90 KNOWLTON HILL ROAD
ASHFORD, CT 06278

DRAWN BY:	DATE:
MLB	05/28/21
CHECKED BY:	DATE:
KB	05/28/21

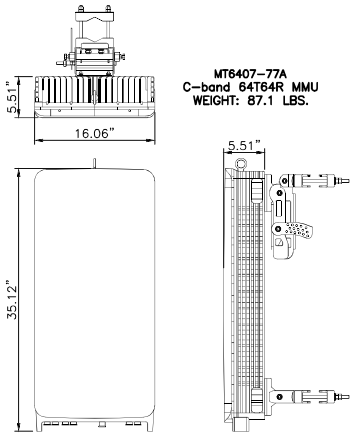
NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
COMPOUND PLAN & STRUCTURE ELEVATION

SHEET NUMBER:
A-1



1 ANTENNA PLAN
SCALE: 1/2" = 1'-0"



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

SCOPE OF WORK:

INSTALL MOUNT MODIFICATIONS FOR ALL SECTORS.

ALPHA SECTOR:
- REMOVE (3) EXISTING PANEL ANTENNAS (700, 850 & SPARE).
- INSTALL (1) NEW JMA WIRELESS 91900314-02 SIDE-BY-SIDE MOUNT.
- INSTALL (2) NEW JMA WIRELESS MX06FRO660-03 PANEL ANTENNAS ON NEW SIDE-BY-SIDE MOUNT.
- INSTALL (1) NEW MT6407-77A ANTENNA W/ RRH AS SHOWN ON PLANS.
- 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 MT6407-77A ANTENNA W/ RRH.
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

BETA SECTOR:
- REMOVE (3) EXISTING PANEL ANTENNAS (700, 850 & SPARE).
- INSTALL (1) NEW JMA WIRELESS 91900314-02 SIDE-BY-SIDE MOUNT.
- INSTALL (2) NEW JMA WIRELESS MX06FRO660-03 PANEL ANTENNAS ON NEW SIDE-BY-SIDE MOUNT.
- INSTALL (1) NEW MT6407-77A ANTENNA W/ RRH AS SHOWN ON PLANS.
- 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 MT6407-77A ANTENNA W/ RRH.
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

GAMMA SECTOR:
- REMOVE (3) EXISTING PANEL ANTENNAS (700, 850 & SPARE).
- INSTALL (1) NEW JMA WIRELESS 91900314-02 SIDE-BY-SIDE MOUNT.
- INSTALL (2) NEW JMA WIRELESS MX06FRO660-03 PANEL ANTENNAS ON NEW SIDE-BY-SIDE MOUNT.
- INSTALL (1) NEW MT6407-77A ANTENNA W/ RRH AS SHOWN ON PLANS.
- INSTALL (1) NEW BRO4C B5/B13 700/850 RRH AT ANTENNAS, AS SHOWN ON PLANS.
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- 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 MT6407-77A ANTENNA W/ RRH.
- INSTALL 1/2" ANTENNA JUMPERS, AS REQUIRED.

TOWER:
- REMOVE (2) EXISTING COAX CABLES
- INSTALL (1) NEW 12C OVP BOX.
- INSTALL (2) NEW 6X12 LI HYBRID CABLES.

DESIGN SHOWN HEREIN IS BASED OFF A RFDS PROVIDED BY VERIZON WIRELESS DATED 05/26/2021.

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 · JAZHU 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	03/24/21	PER CONSTRUCTION	MLB
1	05/10/21	PER MOUNT MODIFICATION	MLB
2	05/28/21	PER UPDATED RFDS	MLB
3	08/09/21	PER UPDATED MOD & MA	MLB

SITE INFORMATION:
SITE NAME:
ASHFORD WEST 2 CT
LOCATION CODE:
469295
SITE ADDRESS:
90 KNOWLTON HILL ROAD
ASHFORD, CT 06278

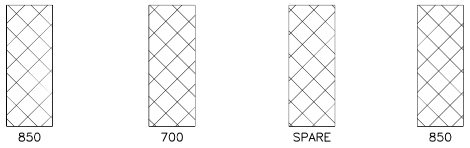
DRAWN BY:	DATE:
MLB	05/28/21
CHECKED BY:	DATE:
KB	05/28/21

NEXIUS PROJECT NO.:
VZ11509

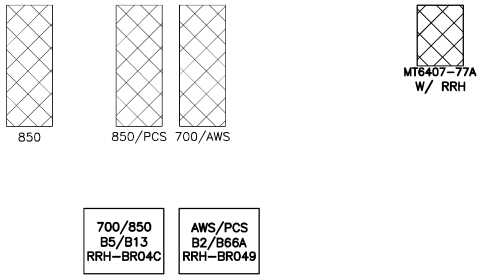
SHEET TITLE:
ANTENNA PLAN, DETAILS & NOTES

SHEET NUMBER:
A-2

NOTE: ALL ANTENNAS ARE VIEWED FROM FRONT

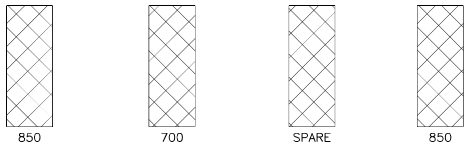


EXISTING CONFIGURATION

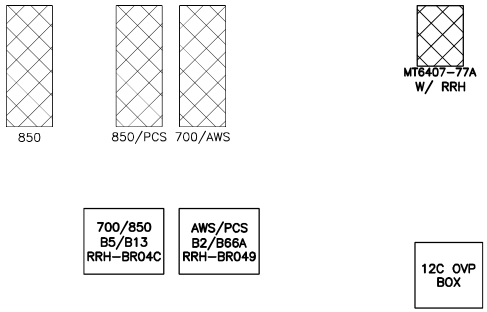


PROPOSED CONFIGURATION

ALPHA SECTOR ANTENNA CONFIGURATION

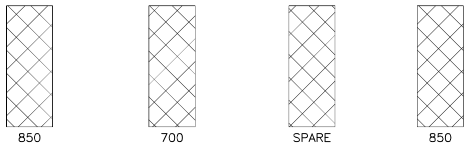


EXISTING CONFIGURATION

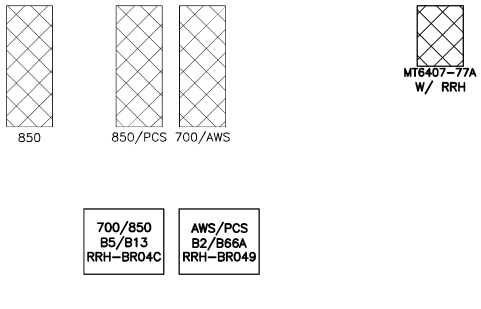


PROPOSED CONFIGURATION

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

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ASHFORD, CT 06278

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KB	05/28/21

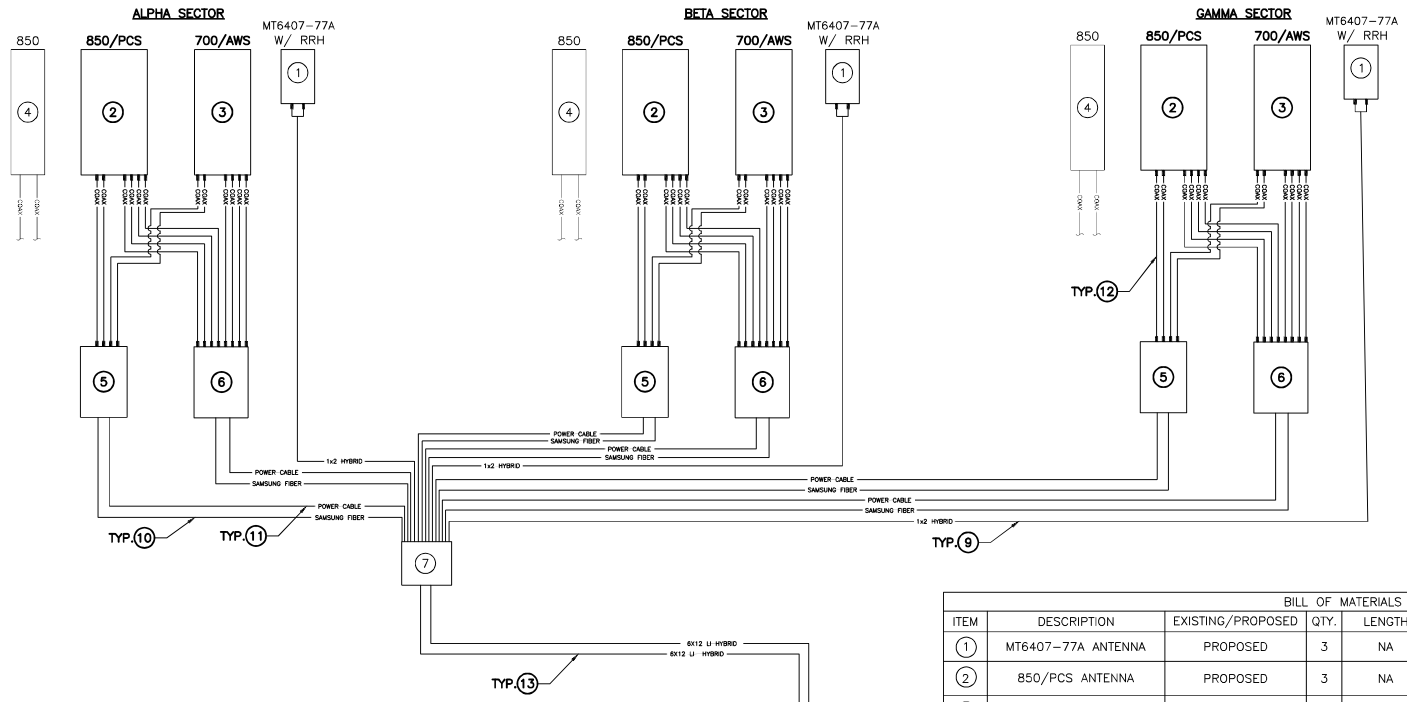
NEXIUS PROJECT NO.:
VZ11509

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	MT6407-77A ANTENNA	PROPOSED	3	NA	INSTALL NEW MT6407-77A ANTENNA W/ RRH
2	850/PCS ANTENNA	PROPOSED	3	NA	INSTALL NEW JMA WIRELESS MX06FRO660-03 700/850/AWS/PCS PANEL ANTENNA
3	700/AWS ANTENNA	PROPOSED	3	NA	INSTALL NEW JMA WIRELESS MX06FRO660-03 700/850/AWS/PCS PANEL ANTENNA
4	850 ANTENNA	EXISTING	3	NA	RETAIN EXISTING 850 PANEL ANTENNA
5	700/850 RRH	PROPOSED	3	NA	INSTALL NEW RRH: 700/850 SAMSUNG B5/B13 RRH BRO4C AT ANTENNAS
6	AWS/PCS RRH	PROPOSED	3	NA	INSTALL NEW RHH: AWS/PCS SAMSUNG B2/B66A RRH BRO49 AT ANTENNAS
7	UPPER OVP BOX	PROPOSED	1	NA	INSTALL NEW 12C OVP BOX AT ANTENNAS
8	LOWER OVP RACK MOUNT	PROPOSED	1	NA	INSTALL NEW MATCHING RAYCAP WITHIN SHELTER
9	1x2 HYBRID	PROPOSED	3	15'	INSTALL AT NEW MT6407-77A ANTENNA W/ RRH
10	SAMSUNG FIBER	PROPOSED	6	15'	INSTALL NEW AT 700/850 & AWS/PCS RRH
11	POWER CABLES	PROPOSED	6	15'	INSTALL NEW AT 700/850 & AWS/PCS RRH
12	1/2" COAX CABLES	PROPOSED	60	15' EA	ROUTED AS SHOWN ON SCHEMATIC
13	6X12 LI HYBRID CABLE	PROPOSED	2	160'	INSTALL NEW FROM SHELTER TO TOWER
14	SIDE-BY-SIDE MOUNT	PROPOSED	3	NA	INSTALL NEW JMA 91900314-02 SIDE-BY-SIDE MOUNT

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

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CHECKED BY:	DATE:
KB	05/28/21

NEXIUS PROJECT NO.:
VZ11509

SHEET TITLE:
RET SYSTEM WIRING SCHEMATIC

SHEET NUMBER:
A-4

SAMSUNG

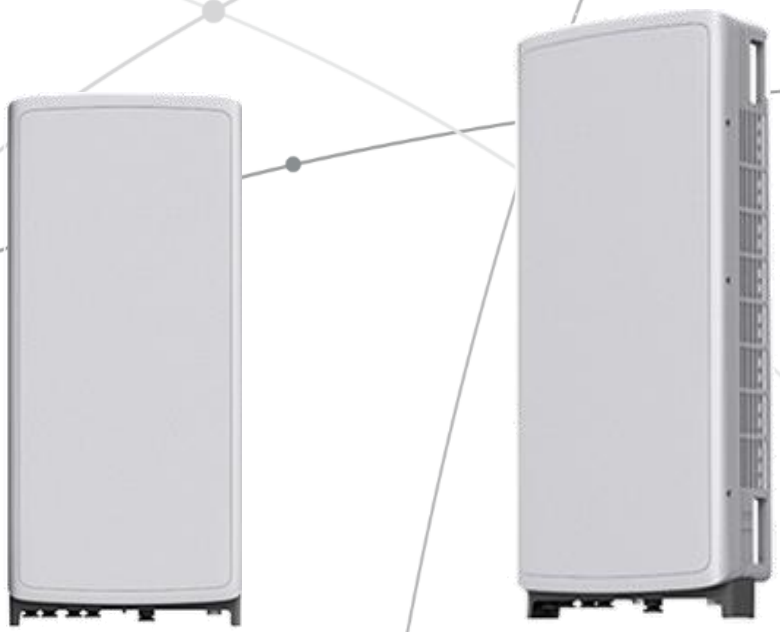
SAMSUNG

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

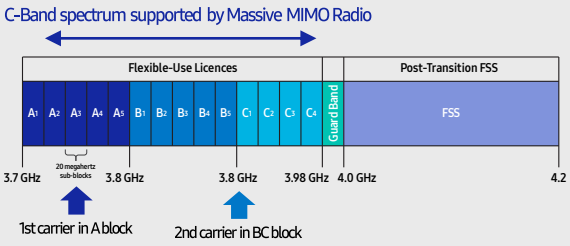


Points of Differentiation

Wide Bandwidth

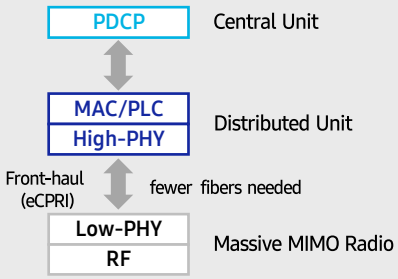
With capability to support up to 2 CC carrier configuration, Samsung C-Band massive MIMO Radio supports 200 MHz bandwidth in the C-Band spectrum.

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.

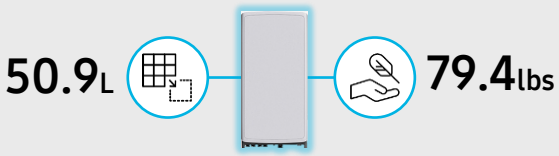
This helps operators reduce their CAPEX as they now need less products to cover the same area than before.

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

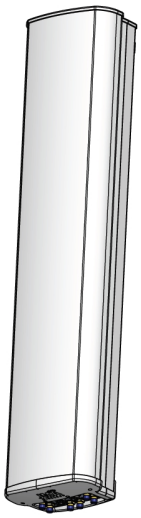
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

X-Pol Hex-Port 6 ft 60° Fast Roll Off antenna with independent tilt on 700 & 850 MHz:

2 ports 698-798, 824-894 MHz and 4 ports 1695-2180 MHz

- Fast Roll Off (FRO™) azimuth beam pattern improves Intra- and Inter-cell SINR
- Compatible with dual band 700/850 MHz radios with independent low band EDT without external diplexers
- Fully integrated (iRETs) with independent RET control for low and high bands for ease of network optimization
- SON-Ready array spacing supports beamforming capabilities
- Suitable for LTE/CDMA/PCS/UMTS/GSM air interface technologies
- Integrated Smart Bias-Ts reduce leasing costs

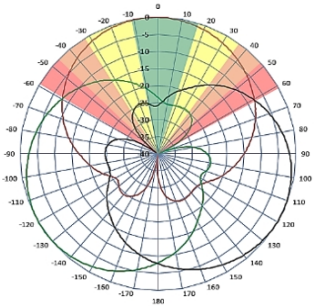


nwav

Fast Roll-Off antennas increase data throughput without compromising coverage

The horizontal beam produced by Fast Roll-Off (FRO) technology increases the Signal to Interference & Noise Ratio (SINR) by eliminating overlap between sectors .

Non-FRO antenna



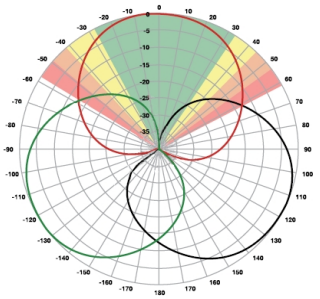
Large traditional antenna pattern overlap creates harmful interference.

JMA's FRO antenna pattern minimizes overlap, thereby minimizing interference.

LTE throughput	SINR	Speed (bps/Hz)	Speed increase	CQI
Excellent	>18	>4.5	333+%	8-10
Good	15-18	3.3-4.5	277%	6-7
Fair	10-15	2-3.3	160%	4-6
Poor	<10	<2	0%	1-3

The LTE radio automatically selects the best throughput based on measured SINR.

JMA FRO antenna



Electrical specification (minimum/maximum)	Ports 1, 2		Ports 3, 4, 5, 6		
Frequency bands, MHz	698-798	824-894	1695-1880	1850-1990	1920-2180
Polarization	± 45°		± 45°		
Average gain over all tilts, dBi	14.4	14.0	17.6	18.0	18.2
Horizontal beamwidth (HBW), degrees	60.5	53.0	55.0	55.0	55.5
Front-to-back ratio, co-polar power @180°± 30°, dB	>24	>24.0	>25.0	>25.0	>25.0
X-Pol discrimination (CPR) at boresight, dB	>15.0	>14.2	>18	>18	>15
Sector power ratio, percent	<3.5	<3.0	<3.7	<3.8	<3.6
Vertical beamwidth (VBW), degrees[1]	13.1	11.8	6.0	5.5	5.5
Electrical downtilt (EDT) range, degrees	2-14	2-14	0-9		
First upper side lobe (USLS) suppression, dB[1]	≤-15.0	≤-16.5	≤-16.0	≤-16.0	≤-16.0
Cross-polar isolation, port-to-port, dB[1]	25	25	25	25	25
Max VSWR / return loss, dB	1.5:1 / -14.0		1.5:1 / -14.0		
Max passive intermodulation (PIM), 2x20W carrier, dBc	-153		-153		
Max input power per any port, watts	300		250		
Total composite power all ports, watts	1500				

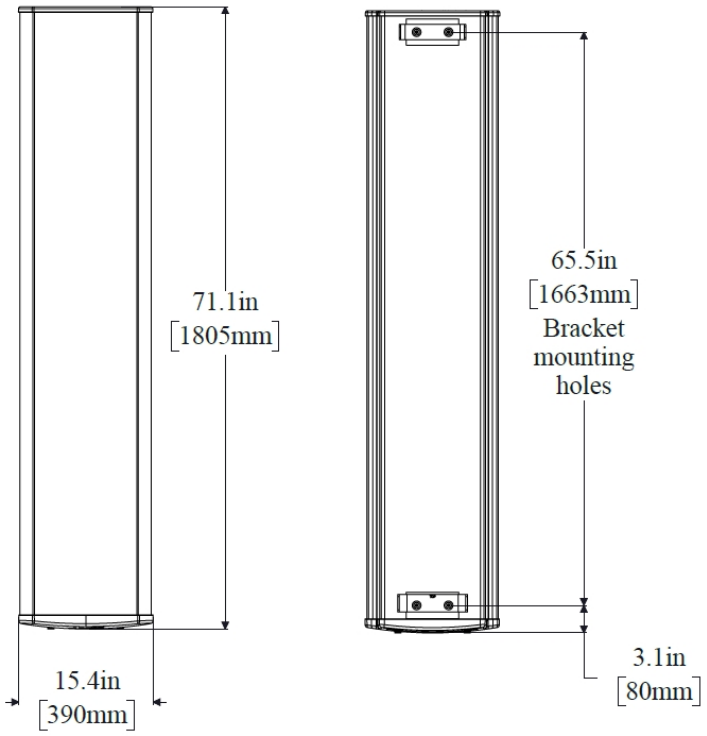
[1] Typical value over frequency and tilt

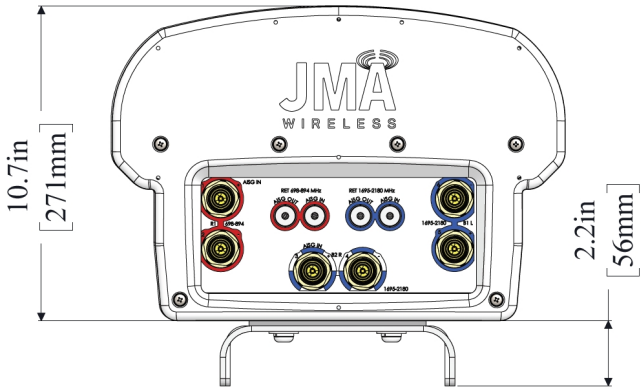
MX06FRO660-03

NWAV™ X-Pol Hex-Port Antenna

Mechanical specifications	
Dimensions height/width/depth, inches (mm)	71.3/ 15.4/ 10.7 (1811/ 392/ 273)
Shipping dimensions length/width/height, inches (mm)	82/ 20/ 15 (2083/ 508/ 381)
No. of RF input ports, connector type, and location	6 x 4.3-10 female, bottom
RF connector torque	96 lbf·in (10.85 N·m or 8 lbf·ft)
Net antenna weight, lb (kg)	60 (27.0)
Shipping weight, lb (kg)	90 (41.0)
Antenna mounting and downtilt kit included with antenna	91900318
Net weight of the mounting and downtilt kit, lb (kg)	18 (8.18)
Range of mechanical up/down tilt	-2° to 14°
Rated wind survival speed, mph (km/h)	150 (241)
Frontal, lateral, and rear wind loading @ 150 km/h, lbf (N)	154 (685), 73 (325), 158 (703)
Equivalent flat plate @ 100 mph and Cd=2, sq ft	2.6

Front view | **Back view** | **Bottom view**





Ordering information	
Antenna model	**Description**
MX06FRO660-03	6F X-Pol HEX FRO 60° independent tilt 700/850 RET, 4.3-10 & SBT
Optional accessories	
AISG cables	M/F cables for AISG connections
PCU-1000 RET controller	Stand-alone controller for RET control and configurations

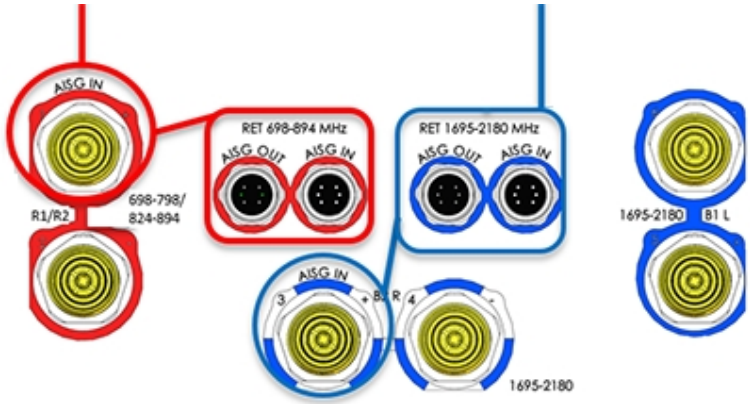
Remote electrical tilt (RET 1000) information	
RET location	Integrated into antenna
RET interface connector type	8-pin AISG connector per IEC 60130-9
RET connector torque	Min 0.5 N·m to max 1.0 N·m (hand pressure & finger tight)
RET interface connector quantity	2 pairs of AISG male/female connectors
RET interface connector location	Bottom of the antenna
Total no. of internal RETs (low bands)	2
Total no. of internal RETs (high bands)	1
RET input operating voltage, vdc	10-30
RET max power consumption, idle state, W	≤ 2.0
RET max power consumption, normal operating conditions, W	≤ 13.0
RET communication protocol	AISG 2.0 / 3GPP

RET and RF connector topology

Each RET device can be controlled either via the designated external AISG connector or RF port as shown below:

RET device	Band	RF port
R1	698-798	1-2
R2	824-894	1-2

RET device	Band	RF port
B1/B2	1695-2180	3-6

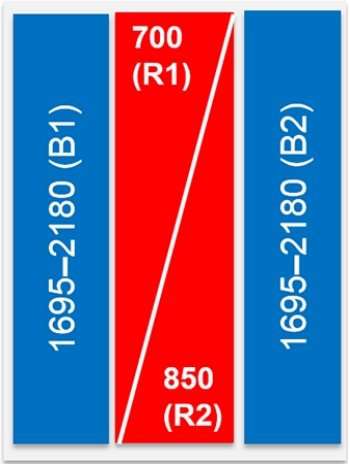


Array topology

3 sets of radiating arrays

R1/R2: 698-894 MHz
B1: 1695-2180 MHz
B2: 1695-2180 MHz

Band	RF port
1695-2180	3-4
698-894	1-2
1695-2180	5-6



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

BXA-70063-6CF-EDIN-X

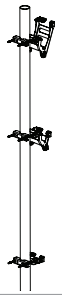
Single Band | Panel Antenna | X-Pol | 63° | 16.6 dBi | Fixed Tilt

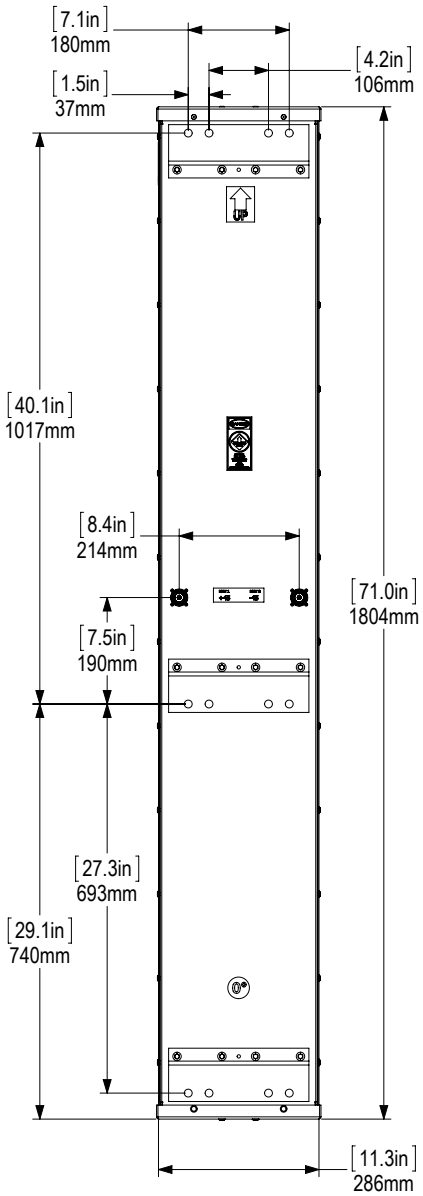
- Single band, panel antenna with fixed electrical tilt

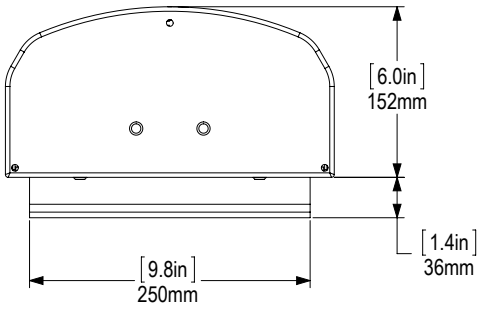
Ordering Options					
When ordering, replace the "X" in the model number with the electrical downtilt. Select from the options listed in the Electrical Downtilt section below.					
Electrical Characteristics		**696-900 MHz**			
Frequency Bands		696-806 MHz		806-900 MHz	
Polarization		±45°			
Horizontal Beamwidth		65°		63°	
Vertical Beamwidth		13°		11°	
Gain		16.1 dBi		16.6 dBi	
Electrical Downtilt		(X) 0, 2, 5			
Impedance		50Ω			
IM3 (2x20W carrier)		-147 dBc			
Upper Sidelobe Suppression (0°)		-18.3 dB		-18.2 dB	
Front-to-Back Ratio (±30°)		-33.4 dB		-36.3 dB	
VSWR		1.5:1			
Null Fill		5% (-26.02 dB)			
Isolation Between Ports		20 dB			
Input Power		500 W			
Total Number of Connectors		Antenna has 2 connectors located on the center (back) of the antenna			
Connectors Per Band	696-900 MHz	2 Connectors, Elongated 7/16-DIN Female (EDIN)			
Lightning Protection		Direct Ground			
Mechanical Characteristics					
Dimensions (Length x Width x Depth)		1804 x 286 x 152	mm	71.0 x 11.3 x 6.0	in
Depth with z-brackets		188	mm	7.4	in
Weight without Mounting Brackets		7.9	kg	17	lbs
Wind Area	Front	0.52	m²	5.6	ft²
	Side	0.45	m²	4.8	ft²
Survival Wind Speed		> 201	km/hr	> 125	mph
Wind Load (161 km/hr or 100 mph)	Front	741	N	167	lbf
	Side	526	N	118	lbf

BXA-70063-6CF-EDIN-X

Single Band | Panel Antenna | X-Pol | 63° | 16.6 dBi | Fixed Tilt

Mounting Options	Part Number	Image	Fits Pipe Diameter	Weight
All mounting bracket kits are ordered separately unless otherwise indicated. Select from the options listed below.				
3-Point Mounting and Downtilt Bracket Kit	36210008		40-115 mm 1.57-4.5 in	6.9 kg 15.2 lbs



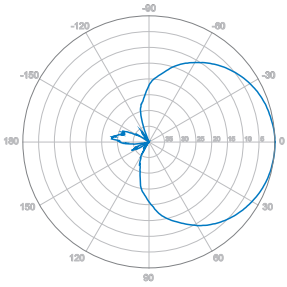


Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

BXA-70063-6CF-EDIN-X

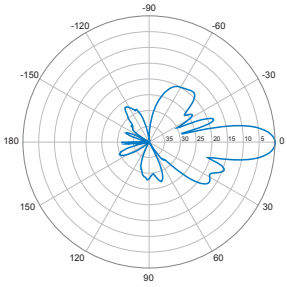
Single Band | Panel Antenna | X-Pol | 63° | 16.6 dBi | Fixed Tilt

BXA-70063-6CF-EDIN-X



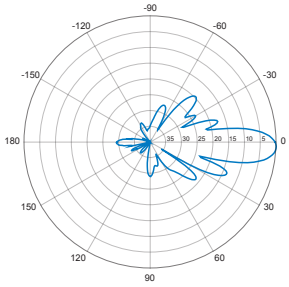
Horizontal | 750 MHz

BXA-70063-6CF-EDIN-0



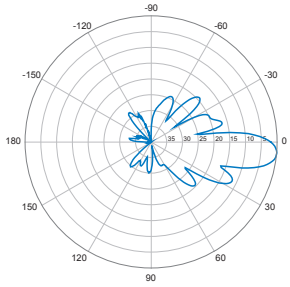
0° | Vertical | 750 MHz

BXA-70063-6CF-EDIN-2

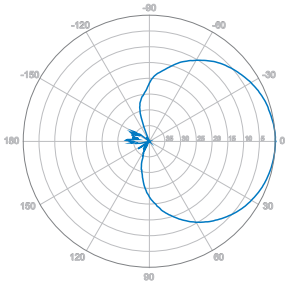


2° | Vertical | 750 MHz

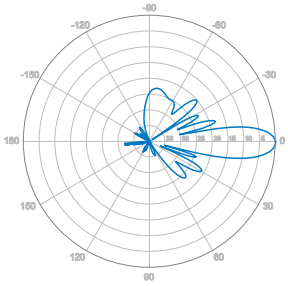
BXA-70063-6CF-EDIN-5



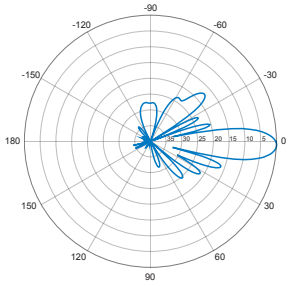
5° | Vertical | 750 MHz



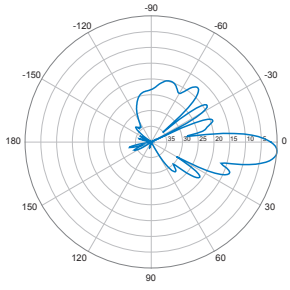
Horizontal | 850 MHz



0° | Vertical | 850 MHz



2° | Vertical | 850 MHz



5° | Vertical | 850 MHz

ATTACHMENT 3

	General	Power	Density					
Site Name: Ashford W 2								
Tower Height: Verizon @ 127ft								
CARRIER	**# OF CHAN.**	**WATTS ERP**	**HEIGHT**	**FREQ.**	**CALC. POWER DENS**	**MAX. PERMISS. EXP.**	**FRACTION MPE**	**Total**
*AT&T	2	565	137	880	0.0237	0.5867	0.40%	
*AT&T	2	875	137	1900	0.0367	1.0000	0.37%	
*AT&T	4	525	137	1900	0.0440	1.0000	0.44%	
*AT&T	1	283	137	880	0.0059	0.5867	0.10%	
*AT&T	1	1771	137	734	0.0371	0.4893	0.76%	
*T-Mobile	4	678	147	1900	0.0491	1.0000	0.49%	
*T-Mobile	1	254	147	1900	0.0046	1.0000	0.05%	
*T-Mobile	2	789	147	600	0.0285	0.4000	0.71%	
*T-Mobile	2	433	147	700	0.0157	0.4667	0.34%	
VZW 700	**4**	**623**	**127**	**751**	**0.0056**	**0.5007**	1.11%	
VZW CDMA	**2**	**498**	**127**	**877.26**	**0.0022**	**0.5832**	**0.38%**	
VZW Cellular	**4**	**623**	**127**	**874**	**0.0056**	**0.5827**	**0.95%**	
VZW PCS	**4**	**1428**	**127**	**1975**	**0.0127**	**1.0000**	**1.27%**	
VZW AWS	**4**	**1496**	**127**	**2120**	**0.0133**	**1.0000**	**1.33%**	
VZW CBAND	**4**	**6531**	**127**	**3730.08**	**0.0583**	**1.0000**	**5.83%**	
								14.53%
* Source: Siting Council								

ATTACHMENT 4

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

Structural Analysis Report

Existing 149 ft Monopole

Customer Name: SBA Communications Corp

Customer Site Number: CT13614-A

Customer Site Name: Knowlton

Carrier Name: Verizon (App#: 160540, V2)

Carrier Site ID / Name: 172402 / ASHFORD_WEST_2_CT

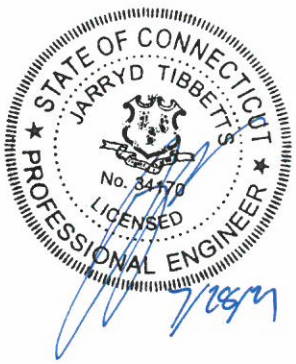
Site Location: 99 Knowlton Hill Rd

Ashford, Connecticut

Windham County

Latitude: 41.840777

Longitude: -72.207528



Analysis Result:

Max Structural Usage: 54.4% [Pass]

Max Foundation Usage: 51.0% [Pass]

Additional Usage Caused by Mount Modification: +2.3%

Report Prepared By: Morteza Shakeri

Tower Engineering Solutions
Phone (972) 483-0607, Fax (972) 975-9615
1320 Greenway Drive, Suite 600, Irving, Texas 75038

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Additional Usage Caused by Mount Modification:

Report Prepared By: Morteza Shakeri

Introduction

The purpose of this report is to summarize the analysis results on the 149 ft Monopole to support the proposed antennas and transmission lines in addition to those currently installed. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

Sources of Information

Tower Drawings	Sabre Job#06-06307 dated 6/29/05. FDH TIA Inspection Report.
Foundation Drawing	Sabre Job#06-06307 dated 6/29/19.
Geotechnical Report	JGI Project#05360G dated 6/28/05.
Modification Drawings	
Mount Analysis	Post-Mod Antenna Mount Analysis by Maser Consulting Connecticut, Project # 20777637A, dated 06/25/2021

Analysis Criteria

The rigorous analysis was performed in accordance with the requirements and stipulations of the TIA-

In accordance with this standard, the structure was analyzed using **TESPoles,** a proprietary analysis software. The program considers the structure as an elastic 3-D model with second-order effects and temperature effects incorporated in the analysis. The analysis was performed using multiple wind directions.

Wind Speed Used in the Analysis:	Ultimate Design Wind Speed V_{ult} = 130.0 mph (3-Sec. Gust)/ Nominal Design Wind Speed V_{asd} = 101.0 mph (3-Sec. Gust)
Wind Speed with Ice:	50 mph (3-Sec. Gust) with 1" radial ice concurrent
Operational Wind Speed:	60 mph + 0" Radial ice
Standard/Codes:	TIA-222-G-2 / 2015 IBC / 2018 Connecticut State Building Code
Exposure Category:	
Structure Class:	
Topographic Category:	
Crest Height:	0 ft
Seismic Parameters:	

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

Existing Antennas, Mounts and Transmission Lines

The table below summarizes the antennas, mounts and transmission lines that were considered in the analysis as existing on the tower.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			RFS APXV18-209014-C-A20 - Panel	12' Low Profile Platform (1) Sitepro PRK-1245L (1) Sitepro HRK12-U	(1) 1 5/8" Fiber	T-Mobile
			RFS APXVAARR24_43-U-NA20 - Panel			
			Ericsson KRY 112 489/2 TMA			
			Ericsson Radio 4449 B71+B12 RRU			
			Kathrein 782 11056 Bias Ts			
			Powerwave 7770 - Panel	14' Low Profile Platform	(1) 7/16" Fiber	
			KMW AM-X-CD-17-65-00T - Panel			
			Powerwave LGP21401			
			Powerwave LGP21903			
			Ericsson RRUS11			
			Raycap DC2-48-60-18-8F			
			Antel LPA-80080/4CF - Panel	10' Low Profile Platform		Verizon
			Antel LPA 185080-8CF - Panel			

Proposed Carrier's Final Configuration of Antennas, Mounts and Transmission Lines

Information pertaining to the proposed carrier's final configuration of antennas and transmission lines was provided by SBA Communications Corp. The proposed antennas and lines are listed below.

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
			Antel BXA-70063/6CF __ 2° - Panel	12.5' Platform w/ Handrails and Kickers (1) P2.0 STD mount pipe (1) Site Pro 1 crossover plate	Hybrid	Verizon
		6	JMA Wireless MX06FRO660-03 - Panel			
			Samsung MT6407-77A - Panel			
			Samsung B2/B66A - RRU			
			Samsung B5/B13 - RRU			
			Raycap RVZDC-3315-PF-48 - OVP			

See the attached coax layout for the line placement considered in the analysis.

Analysis Results

The results of the structural analysis, performed for the wind and ice loading and antenna equipment as defined above, are summarized as the following:

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

Foundations

	Moment (Kip-Ft)	Shear (Kips)	Axial (Kips)
Analysis Reactions			

The foundation has been investigated using the supplied documents and soils report and was found **adequate**. Therefore, no modification to the foundation will be required.

Operational Condition (Rigidity):

Operational characteristics of the tower are found to be within the limits prescribed by ANSI/TIA-222-G for the installed antennas. The maximum twist/sway at the elevation of the proposed equipment is 0.7499 degrees under the operational wind speed as specified in the Analysis Criteria.

Conclusions

Based on the analysis results, the existing structure and its foundation were found to be **adequate** to safely support the existing and proposed equipment and meet the minimum requirements per the ANSI/TIA-222-G Standard under the design basic wind speed as specified in the Analysis Criteria.

Standard Conditions

This analysis was performed based on the information supplied to **Tower Engineering Solutions,** Verification of the information provided was not included in the Scope of Work for . The accuracy of the analysis is dependent on the accuracy of the information provided.

The structural analysis was performance based upon the evidence available at the time of this report. All information provided by the client is considered to be accurate.

The analyses will be performed based on the codes as specified by the client or based on the best knowledge of the engineering staff of . In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/TIA-222. If wind speed and/or ice loads are different from the minimum values recommended by the ANSI/TIA-222 standard or other codes, should be notified in writing and the applicable minimum values provided by the client.

The configuration of the existing mounts, antennas, coax and other appurtenances were supplied by the customer for the current structural analysis. has not visited the tower site to verify the adequacy of the information provided. If there is any discrepancy found in the report regarding the existing conditions, should be notified immediately to evaluate the effect of the discrepancy on the analysis results.

The client will assume responsibility for rework associated with the differences in initially provided information, including tower and foundation information, existing and/or proposed equipment and transmission lines.

If a feasibility analysis was performed, final acceptance of changed conditions shall be based upon a rigorous structural analysis.

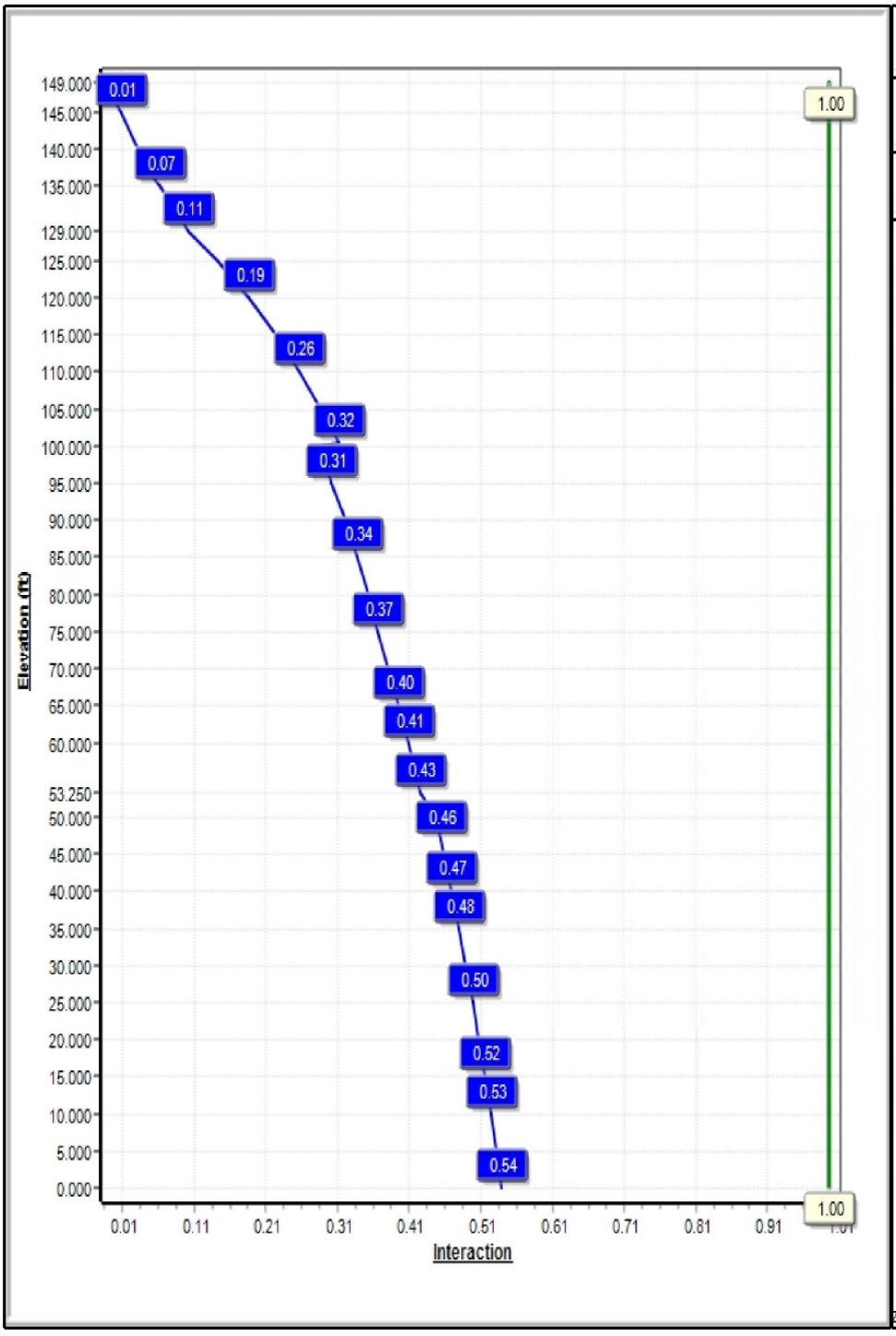
Usage Diagram - Max Ratio 54.40% at 0.0ft

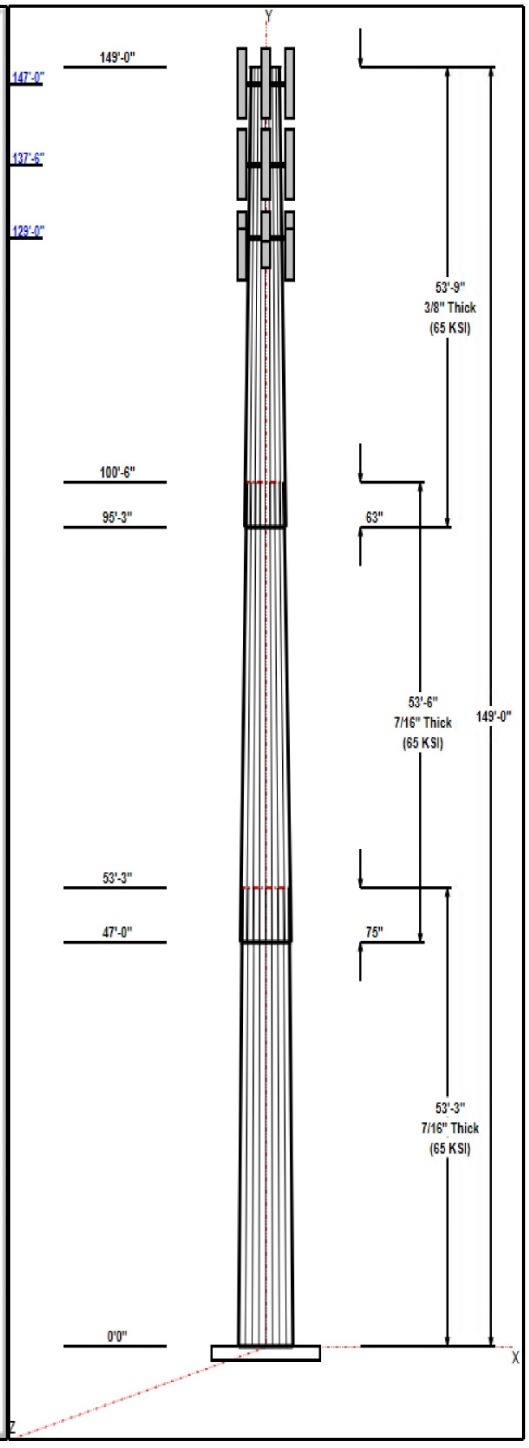
Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton	**Exposure:**	C	
Height:	149.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Tower Engineering Solutions

Dead Load Factor:	1.20	**Iterations:**	21
Wind Load Factor:	1.60		

Load Case : 1.2D + 1.6W 101 mph Wind





Structure: CT13614-A-SBA

Type: Tapered
Site Name: Knowlton
Height: 149.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.24419

7/28/2021

Tower Engineering Solutions

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	53.25	47.46	60.46	0.438		0.24419	65
2	53.50	36.79	49.86	0.438	Slip	0.24419	65
3	53.75	25.70	38.83	0.375	Slip	0.24419	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
147.00	147.00	6	APXV18-209014-C-A20	T-Mobile
147.00	147.00	3	APXVAARR24_43-U-NA20	T-Mobile
147.00	147.00	1	Low Profile	T-Mobile
147.00	147.00	1	PRK-1245 (kicker kit)	T-Mobile
147.00	147.00	1	HRK12-HD	T-Mobile
147.00	147.00	6	KRY 112 89/4	T-Mobile
147.00	147.00	3	4449	T-Mobile
147.00	147.00	3	782 10662	T-Mobile
137.50	137.50	6	7770.00	AT&T
137.50	137.50	3	AM-X-CD-17-65-00T-RET	AT&T
137.50	137.50	6	LGP21401	AT&T
137.50	137.50	6	LGP21903	AT&T
137.50	137.50	6	RRUS-11	AT&T
137.50	137.50	1	DC2-48-60-8-18F-02	AT&T
137.50	137.50	1	Low Profile Platform-flat	AT&T
129.00	129.00	3	BXA-70063/6CF __ 2°	Verizon
129.00	127.00	6	MX06FRO660-03	Verizon
129.00	127.00	3	MT6407-77A	Verizon
129.00	127.00	3	B2/B66A RRH-BR049	Verizon
129.00	127.00	3	B5/B13 RRH-BR04C	Verizon
129.00	127.00	1	Raycap	Verizon
129.00	129.00	1	Low Profile	Verizon
129.00	129.00	1	MS-H1242 (Heavy Collar	Verizon
129.00	129.00	1	MS-KI22-5 (Kickers w/o	Verizon
129.00	129.00	1	MS-HRECP	Verizon

Linear Appurtenances

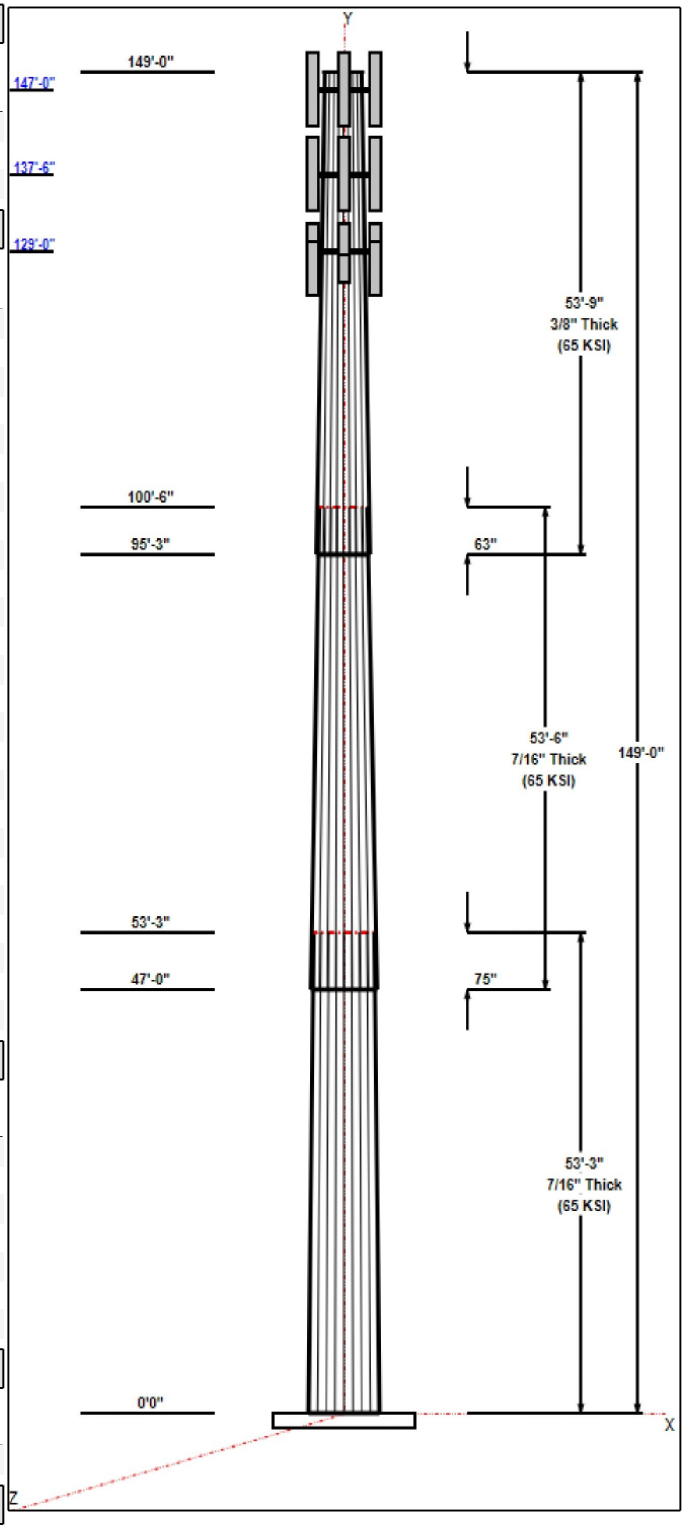
Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	147.00	Inside	1 5/8" Coax	T-Mobile
0.00	147.00	Inside	1 5/8" Fiber	T-Mobile
0.00	137.50	Inside	1 5/8" Coax	AT&T
0.00	137.50	Inside	3/4" DC	AT&T
0.00	137.50	Inside	7/16" Fiber	AT&T
0.00	129.00	Inside	1 5/8" Coax	Verizon
0.00	129.00	Inside	1 5/8" Hybrid	Verizon

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
20	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
3.0000	68.0	60.0	Clipped



Reactions

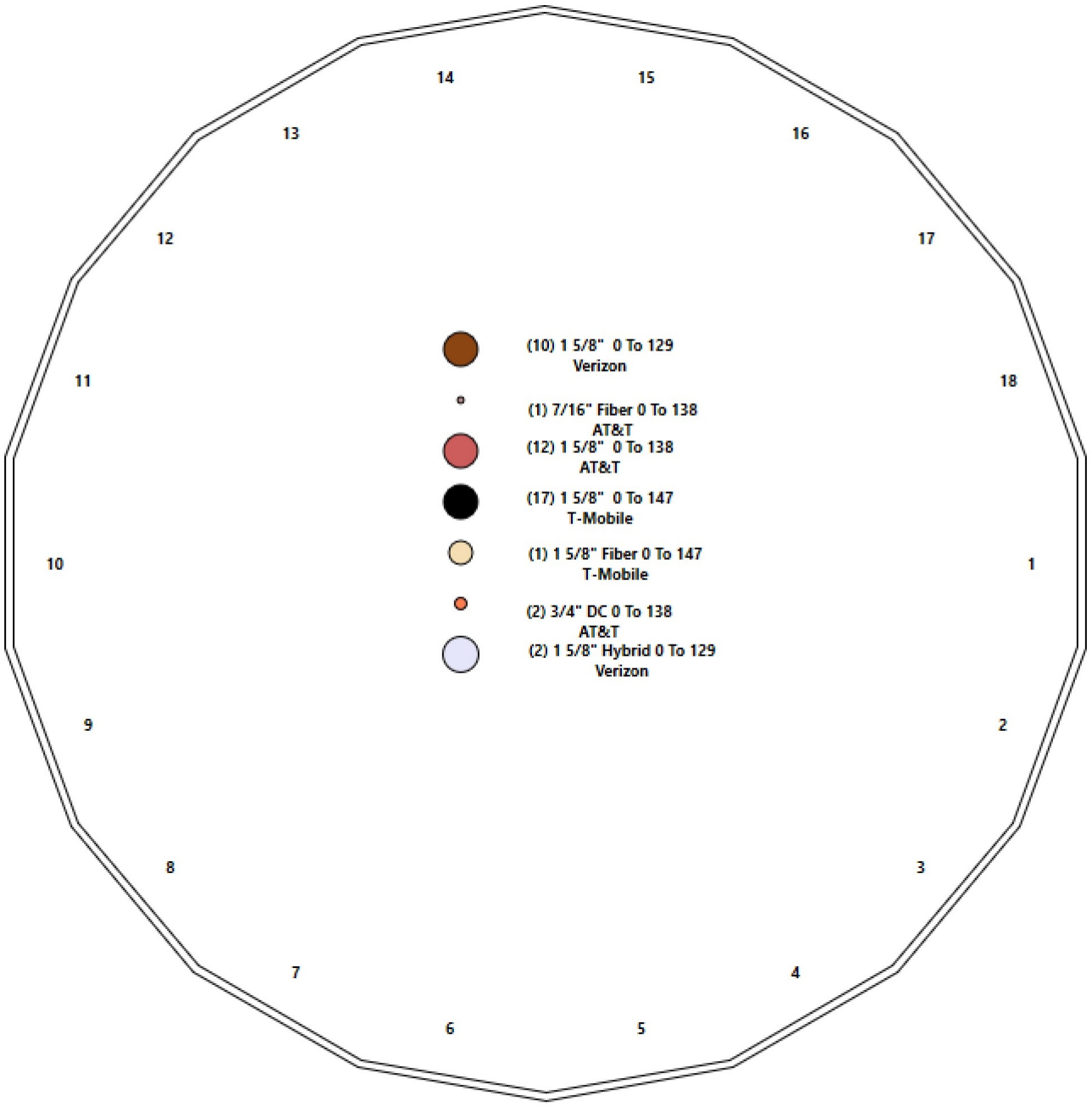
Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W 101 mph Wind	3682.5	34.2	55.2
0.9D + 1.6W 101 mph Wind	3653.2	34.2	41.4
1.2D + 1.0Di + 1.0Wi 50 mph Wind	1043.3	9.7	89.2
1.2D + 1.0E	256.0	2.1	55.3
0.9D + 1.0E	253.9	2.1	41.5
1.0D + 1.0W 60 mph Wind	808.3	7.5	46.1

Structure: CT13614-A-SBA - Coax Line Placement

Type: Monopole
Site Name: Knowlton
Height: 149.00 (ft)

7/28/2021

Tower Engineering Solutions



Shaft Properties

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Tower Engineering Solutions

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	53.250	0.4375	65		0.00	13,466
2	18	53.500	0.4375	65	Slip	75.00	10,842
3	18	53.750	0.3750	65	Slip	63.00	6,942
					Total Shaft Weight:		**31,249**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	60.46	0.00	83.35	37937.15	22.96	138.19	47.46	53.25	65.29	18236.7	17.72	108.4	0.244195
2	49.86	47.00	68.62	21175.81	18.68	113.96	36.79	100.50	50.48	8430.41	13.42	84.10	0.244195
3	38.83	95.25	45.76	8548.31	16.85	103.53	25.70	149.00	30.14	2442.44	10.67	68.53	0.244195

Load Summary

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 6

Tower Engineering Solutions

Discrete Appurtenances

				No Ice			Ice				
No.	**Elev (ft)**	**Description**	**Qty**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Weight (lb)**	**CaAa (sf)**	**CaAa Factor**	**Hor. Ecc. (ft)**	**Vert Ecc (ft)**
1	147.00	APXV18-209014-C-A20	6	18.70	3.53	0.96	109.79	5.943	0.96	0.00	0.00
2	147.00	APXVAARR24_43-U-NA20	3	128.00	20.24	0.70	707.71	22.800	0.70	0.00	0.00
3	147.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	3241.69	45.501	1.00	0.00	0.00
4	147.00	PRK-1245 (kicker kit)	1	464.91	9.50	1.00	896.77	22.737	1.00	0.00	0.00
5	147.00	HRK12-HD	1	406.61	9.75	1.00	1048.70	22.430	1.00	0.00	0.00
6	147.00	KRY 112 89/4	6	15.40	0.65	0.67	38.85	1.464	0.67	0.00	0.00
7	147.00	4449	3	70.00	1.65	0.67	168.74	2.392	0.67	0.00	0.00
8	147.00	782 10662	3	2.60	0.28	0.67	11.29	0.814	0.67	0.00	0.00
9	137.50	7770.00	6	35.00	5.50	0.73	226.95	6.938	0.73	0.00	0.00
10	137.50	AM-X-CD-17-65-00T-RET (96")	3	59.50	11.31	0.80	407.26	13.521	0.80	0.00	0.00
11	137.50	LGP21401	6	14.10	1.29	0.67	47.15	2.395	0.67	0.00	0.00
12	137.50	LGP21903	6	5.50	0.27	0.67	16.64	0.796	0.67	0.00	0.00
13	137.50	RRUS-11	6	51.00	2.52	0.67	146.53	3.357	0.67	0.00	0.00
14	137.50	DC2-48-60-8-18F-02	1	14.50	2.92	1.00	98.08	4.526	1.00	0.00	0.00
15	137.50	Low Profile Platform-flat	1	1200.00	25.00	1.00	2584.08	52.681	1.00	0.00	0.00
16	129.00	BXA-70063/6CF __ 2°	3	17.00	7.57	0.70	203.12	11.200	0.70	0.00	0.00
17	129.00	MX06FRO660-03	6	60.00	9.87	0.87	430.40	11.708	0.87	0.00	-2.00
18	129.00	MT6407-77A	3	87.10	4.69	0.70	254.63	5.952	0.70	0.00	-2.00
19	129.00	B2/B66A RRH-BR049	3	84.40	1.87	0.67	192.76	2.646	0.67	0.00	-2.00
20	129.00	B5/B13 RRH-BR04C (RFV01U-D2A)	3	70.30	1.87	0.67	178.66	2.646	0.67	0.00	-2.00
21	129.00	Raycap RVZDC-3315-PF-48	1	21.00	4.06	1.00	117.27	5.139	1.00	0.00	-2.00
22	129.00	Low Profile Platform-Round	1	1500.00	22.00	1.00	3219.09	45.196	1.00	0.00	0.00
23	129.00	MS-H1242 (Heavy Collar Mount)	1	150.60	2.50	1.00	426.75	5.938	1.00	0.00	0.00
24	129.00	MS-KI22-5 (Kickers w/o Collar)	1	146.00	5.33	1.00	413.72	12.660	1.00	0.00	0.00
25	129.00	MS-HRECP	1	514.00	12.25	1.00	1315.14	27.974	1.00	0.00	0.00
		Totals:	**76**	**8,672.52**			**25,831.65**				

Linear Appurtenances

Bottom Elev. (ft)	**Top Elev. (ft)**	**Description**	**Exposed Width**	**Exposed**
0.00	147.00	(17) 1 5/8" Coax	0.00	Inside
0.00	147.00	(1) 1 5/8" Fiber	0.00	Inside
0.00	137.50	(12) 1 5/8" Coax	0.00	Inside
0.00	137.50	(2) 3/4" DC	0.00	Inside
0.00	137.50	(1) 7/16" Fiber	0.00	Inside
0.00	129.00	(10) 1 5/8" Coax	0.00	Inside
0.00	129.00	(2) 1 5/8" Hybrid	0.00	Inside

Shaft Section Properties

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 7	

Tower Engineering Solutions

Increment Length: **5 (ft)**

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.4375	60.460	83.346	37937.1	22.96	138.19	74.4	1235.	0.0
5.00		0.4375	59.239	81.650	35668.8	22.46	135.40	75.0	1185.	1403.6
10.00		0.4375	58.018	79.955	33492.7	21.97	132.61	75.6	1137.	1374.8
15.00		0.4375	56.797	78.260	31406.9	21.48	129.82	76.1	1089.	1345.9
20.00		0.4375	55.576	76.564	29409.6	20.99	127.03	76.7	1042.	1317.1
25.00		0.4375	54.355	74.869	27498.9	20.50	124.24	77.3	996.5	1288.2
30.00		0.4375	53.134	73.173	25672.7	20.00	121.45	77.9	951.7	1259.4
35.00		0.4375	51.913	71.478	23929.2	19.51	118.66	78.5	907.9	1230.5
40.00		0.4375	50.692	69.782	22266.5	19.02	115.87	79.0	865.2	1201.7
45.00		0.4375	49.471	68.087	20682.7	18.53	113.08	79.6	823.4	1172.8
47.00	Bot - Section 2	0.4375	48.983	67.409	20070.8	18.33	111.96	79.8	807.1	461.1
50.00		0.4375	48.250	66.392	19175.8	18.04	110.29	80.2	782.8	1378.3
53.25	Top - Section 1	0.4375	48.332	66.505	19273.9	18.07	110.47	0.0	0.0	1469.7
55.00		0.4375	47.904	65.911	18762.6	17.90	109.50	80.4	771.4	394.3
60.00		0.4375	46.683	64.216	17351.6	17.40	106.70	80.9	732.1	1107.0
65.00		0.4375	45.462	62.520	16013.2	16.91	103.91	81.5	693.8	1078.1
70.00		0.4375	44.241	60.825	14745.5	16.42	101.12	82.1	656.5	1049.3
75.00		0.4375	43.020	59.130	13546.5	15.93	98.33	82.5	620.2	1020.4
80.00		0.4375	41.799	57.434	12414.4	15.44	95.54	82.5	585.0	991.6
85.00		0.4375	40.578	55.739	11347.1	14.94	92.75	82.5	550.8	962.8
90.00		0.4375	39.357	54.043	10342.9	14.45	89.96	82.5	517.6	933.9
95.00		0.4375	38.137	52.348	9399.7	13.96	87.17	82.5	485.5	905.1
95.25	Bot - Section 3	0.4375	38.075	52.263	9354.1	13.94	87.03	82.5	483.9	44.5
100.00		0.4375	36.916	50.652	8515.6	13.47	84.38	82.5	454.3	1560.3
100.50	Top - Section 2	0.3750	37.543	44.238	7721.4	16.24	100.12	0.0	0.0	161.4
105.00		0.3750	36.445	42.930	7056.6	15.73	97.19	82.5	381.4	667.4
110.00		0.3750	35.224	41.477	6364.0	15.15	93.93	82.5	355.9	718.0
115.00		0.3750	34.003	40.024	5718.3	14.58	90.67	82.5	331.2	693.3
120.00		0.3750	32.782	38.571	5117.7	14.00	87.42	82.5	307.5	668.6
125.00		0.3750	31.561	37.117	4560.8	13.43	84.16	82.5	284.6	643.9
129.00		0.3750	30.584	35.955	4145.5	12.97	81.56	82.5	267.0	497.3
130.00		0.3750	30.340	35.664	4045.8	12.86	80.91	82.5	262.6	121.9
135.00		0.3750	29.119	34.211	3571.1	12.28	77.65	82.5	241.6	594.4
137.50		0.3750	28.508	33.484	3348.4	11.99	76.02	82.5	231.3	287.9
140.00		0.3750	27.898	32.758	3135.1	11.71	74.39	82.5	221.3	281.8
145.00		0.3750	26.677	31.305	2736.1	11.13	71.14	82.5	202.0	545.0
147.00		0.3750	26.188	30.723	2586.5	10.90	69.84	82.5	194.5	211.1
149.00		0.3750	25.700	30.142	2442.4	10.67	68.53	82.5	187.2	207.1
										31249.4

Wind Loading - Shaft

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	21.088	23.20	476.39	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	21.088	23.20	466.77	0.650	0.000	5.00	25.322	16.46	610.9	0.0	1684.3
10.00		1.00	0.85	21.088	23.20	457.15	0.650	0.000	5.00	24.805	16.12	598.4	0.0	1649.7
15.00		1.00	0.85	21.088	23.20	447.53	0.650	0.000	5.00	24.289	15.79	585.9	0.0	1615.1
20.00		1.00	0.90	22.375	24.61	451.08	0.650	0.000	5.00	23.772	15.45	608.5	0.0	1580.5
25.00		1.00	0.95	23.451	25.80	451.65	0.650	0.000	5.00	23.256	15.12	623.9	0.0	1545.9
30.00		1.00	0.98	24.369	26.81	450.06	0.650	0.000	5.00	22.739	14.78	633.9	0.0	1511.3
35.00		1.00	1.01	25.172	27.69	446.92	0.650	0.000	5.00	22.222	14.44	639.9	0.0	1476.6
40.00		1.00	1.04	25.890	28.48	442.58	0.650	0.000	5.00	21.706	14.11	642.9	0.0	1442.0
45.00		1.00	1.07	26.540	29.19	437.31	0.650	0.000	5.00	21.189	13.77	643.3	0.0	1407.4
47.00	Bot - Section 2	1.00	1.08	26.784	29.46	434.98	0.650	0.000	2.00	8.331	5.42	255.3	0.0	553.3
50.00		1.00	1.09	27.135	29.85	431.27	0.650	0.000	3.00	12.564	8.17	390.0	0.0	1653.9
53.25	Top - Section 1	1.00	1.11	27.497	30.25	427.00	0.650	0.000	3.25	13.401	8.71	421.6	0.0	1763.6
55.00		1.00	1.12	27.685	30.45	432.50	0.650	0.000	1.75	7.125	4.63	225.7	0.0	473.1
60.00		1.00	1.14	28.197	31.02	425.35	0.650	0.000	5.00	20.010	13.01	645.5	0.0	1328.4
65.00		1.00	1.16	28.676	31.54	417.73	0.650	0.000	5.00	19.493	12.67	639.5	0.0	1293.8
70.00		1.00	1.17	29.127	32.04	409.70	0.650	0.000	5.00	18.977	12.33	632.3	0.0	1259.2
75.00		1.00	1.19	29.553	32.51	401.29	0.650	0.000	5.00	18.460	12.00	624.1	0.0	1224.5
80.00		1.00	1.21	29.958	32.95	392.56	0.650	0.000	5.00	17.943	11.66	614.9	0.0	1189.9
85.00		1.00	1.22	30.342	33.38	383.54	0.650	0.000	5.00	17.427	11.33	604.9	0.0	1155.3
90.00		1.00	1.24	30.710	33.78	374.24	0.650	0.000	5.00	16.910	10.99	594.1	0.0	1120.7
95.00		1.00	1.25	31.061	34.17	364.70	0.650	0.000	5.00	16.394	10.66	582.5	0.0	1086.1
95.25	Bot - Section 3	1.00	1.25	31.078	34.19	364.22	0.650	0.000	0.25	0.806	0.52	28.7	0.0	53.4
100.00		1.00	1.27	31.399	34.54	354.94	0.650	0.000	4.75	15.372	9.99	552.2	0.0	1872.3
100.50	Top - Section 2	1.00	1.27	31.432	34.57	353.95	0.650	0.000	0.50	1.591	1.03	57.2	0.0	193.7
105.00		1.00	1.28	31.723	34.89	352.21	0.650	0.000	4.50	14.087	9.16	511.2	0.0	800.9
110.00		1.00	1.29	32.035	35.24	342.08	0.650	0.000	5.00	15.161	9.85	555.6	0.0	861.7
115.00		1.00	1.30	32.336	35.57	331.77	0.650	0.000	5.00	14.645	9.52	541.7	0.0	832.0
120.00		1.00	1.32	32.627	35.89	321.30	0.650	0.000	5.00	14.128	9.18	527.3	0.0	802.3
125.00		1.00	1.33	32.909	36.20	310.66	0.650	0.000	5.00	13.611	8.85	512.4	0.0	772.6
129.00	Appurtenance(s)	1.00	1.34	33.128	36.44	302.05	0.650	0.000	4.00	10.517	6.84	398.6	0.0	596.8
130.00		1.00	1.34	33.182	36.50	299.88	0.650	0.000	1.00	2.578	1.68	97.8	0.0	146.2
135.00		1.00	1.35	33.446	36.79	288.96	0.650	0.000	5.00	12.578	8.18	481.3	0.0	713.3
137.50	Appurtenance(s)	1.00	1.35	33.576	36.93	283.44	0.650	0.000	2.50	6.095	3.96	234.1	0.0	345.5
140.00		1.00	1.36	33.703	37.07	277.90	0.650	0.000	2.50	5.966	3.88	230.0	0.0	338.1
145.00		1.00	1.37	33.953	37.35	266.72	0.650	0.000	5.00	11.545	7.50	448.4	0.0	654.0
147.00	Appurtenance(s)	1.00	1.37	34.051	37.46	262.22	0.650	0.000	2.00	4.473	2.91	174.3	0.0	253.3
149.00		1.00	1.38	34.148	37.56	257.69	0.650	0.000	2.00	4.391	2.85	171.5	0.0	248.5
								Totals:	**149.00**			**17,340.6**		**37,499.3**

Discrete Appurtenance Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 21

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	147.00	PRK-1245 (kicker kit)	1	34.051	37.456	1.00	1.00	9.50	557.89	0.000	0.000	569.34	0.00	0.00
2	147.00	APXV18-209014-C-A20	6	34.051	37.456	0.72	0.75	15.25	134.64	0.000	0.000	913.91	0.00	0.00
3	147.00	APXVAARR24_43-U-NA2	3	34.051	37.456	0.52	0.75	31.88	460.80	0.000	0.000	1910.46	0.00	0.00
4	147.00	Low Profile	1	34.051	37.456	1.00	1.00	22.00	1800.00	0.000	0.000	1318.47	0.00	0.00
5	147.00	782 10662	3	34.051	37.456	0.50	0.75	0.42	9.36	0.000	0.000	25.30	0.00	0.00
6	147.00	HRK12-HD	1	34.051	37.456	1.00	1.00	9.75	487.93	0.000	0.000	584.32	0.00	0.00
7	147.00	KRY 112 89/4	6	34.051	37.456	0.50	0.75	1.96	110.88	0.000	0.000	117.45	0.00	0.00
8	147.00	4449	3	34.051	37.456	0.50	0.75	2.49	252.00	0.000	0.000	149.07	0.00	0.00
9	137.50	Low Profile Platform-flat	1	33.576	36.933	1.00	1.00	25.00	1440.00	0.000	0.000	1477.33	0.00	0.00
10	137.50	DC2-48-60-8-18F-02	1	33.576	36.933	1.00	1.00	2.92	17.40	0.000	0.000	172.55	0.00	0.00
11	137.50	RRUS-11	6	33.576	36.933	0.54	0.80	8.10	367.20	0.000	0.000	478.91	0.00	0.00
12	137.50	LGP21903	6	33.576	36.933	0.54	0.80	0.87	39.60	0.000	0.000	51.31	0.00	0.00
13	137.50	LGP21401	6	33.576	36.933	0.54	0.80	4.15	101.52	0.000	0.000	245.16	0.00	0.00
14	137.50	7770.00	6	33.576	36.933	0.58	0.80	19.27	252.00	0.000	0.000	1138.85	0.00	0.00
15	137.50	AM-X-CD-17-65-00T-RET	3	33.576	36.933	0.64	0.80	21.72	214.20	0.000	0.000	1283.22	0.00	0.00
16	129.00	B5/B13 RRH-BR04C	3	33.019	36.321	0.50	0.75	2.82	253.08	0.000	-2.000	163.82	0.00	-327.65
17	129.00	BXA-70063/6CF __ 2°	3	33.128	36.440	0.52	0.75	11.92	61.20	0.000	0.000	695.15	0.00	0.00
18	129.00	MX06FRO660-03	6	33.019	36.321	0.65	0.75	38.64	432.00	0.000	-2.000	2245.56	0.00	-4491.12
19	129.00	MT6407-77A	3	33.019	36.321	0.52	0.75	7.39	313.56	0.000	-2.000	429.27	0.00	-858.54
20	129.00	B2/B66A RRH-BR049	3	33.019	36.321	0.50	0.75	2.82	303.84	0.000	-2.000	163.82	0.00	-327.65
21	129.00	Low Profile	1	33.128	36.440	1.00	1.00	22.00	1800.00	0.000	0.000	1282.70	0.00	0.00
22	129.00	Raycap	1	33.019	36.321	0.75	0.75	3.04	25.20	0.000	-2.000	176.95	0.00	-353.91
23	129.00	MS-H1242 (Heavy Collar	1	33.128	36.440	1.00	1.00	2.50	180.72	0.000	0.000	145.76	0.00	0.00
24	129.00	MS-KI22-5 (Kickers w/o	1	33.128	36.440	1.00	1.00	5.33	175.20	0.000	0.000	310.76	0.00	0.00
25	129.00	MS-HRECP	1	33.128	36.440	1.00	1.00	12.25	616.80	0.000	0.000	714.23	0.00	0.00
							Totals:		**10,407.02**			**16,763.69**		

Total Applied Force Summary

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 10

Tower Engineering Solutions

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60

Iterations 21

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		610.87	1949.89	0.00	0.00
10.00		598.41	1915.28	0.00	0.00
15.00		585.95	1880.67	0.00	0.00
20.00		608.49	1846.05	0.00	0.00
25.00		623.90	1811.44	0.00	0.00
30.00		633.91	1776.82	0.00	0.00
35.00		639.94	1742.21	0.00	0.00
40.00		642.89	1707.59	0.00	0.00
45.00		643.35	1672.98	0.00	0.00
47.00		255.27	659.50	0.00	0.00
50.00		390.01	1813.28	0.00	0.00
53.25		421.55	1936.26	0.00	0.00
55.00		225.68	566.06	0.00	0.00
60.00		645.46	1593.94	0.00	0.00
65.00		639.49	1559.33	0.00	0.00
70.00		632.33	1524.71	0.00	0.00
75.00		624.11	1490.10	0.00	0.00
80.00		614.95	1455.48	0.00	0.00
85.00		604.91	1420.87	0.00	0.00
90.00		594.09	1386.25	0.00	0.00
95.00		582.53	1351.64	0.00	0.00
95.25		28.66	66.67	0.00	0.00
100.00		552.17	2124.59	0.00	0.00
100.50		57.21	220.27	0.00	0.00
105.00		511.22	1039.86	0.00	0.00
110.00		555.63	1127.22	0.00	0.00
115.00		541.74	1097.55	0.00	0.00
120.00		527.33	1067.88	0.00	0.00
125.00		512.44	1038.21	0.00	0.00
129.00	(23) attachments	6726.63	4970.80	0.00	-6358.85
130.00		97.85	184.21	0.00	0.00
135.00		481.28	903.27	0.00	0.00
137.50	(29) attachments	5081.46	2872.43	0.00	0.00
140.00		230.04	392.65	0.00	0.00
145.00		448.44	763.05	0.00	0.00
147.00	(24) attachments	5762.57	4110.42	0.00	0.00
149.00		171.53	248.53	0.00	0.00
	Totals:	**34,104.29**	**55,287.94**	**0.00**	**-6,358.85**

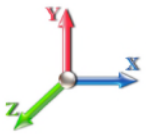
Calculated Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 11	

Load Case: 1.2D + 1.6W 101 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.60



Iterations 21

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-55.25	-34.17	0.00	-3682.5	0.00	3682.51	5580.79	2790.40	13771.9	6896.19	0.00	0.000	0.000	0.544
5.00	-53.22	-33.68	0.00	-3511.6	0.00	3511.66	5509.80	2754.90	13318.1	6668.96	0.07	-0.135	0.000	0.536
10.00	-51.22	-33.20	0.00	-3343.2	0.00	3343.25	5437.04	2718.52	12867.3	6443.24	0.29	-0.272	0.000	0.528
15.00	-49.27	-32.72	0.00	-3177.2	0.00	3177.25	5362.51	2681.26	12419.8	6219.15	0.65	-0.410	0.000	0.520
20.00	-47.35	-32.22	0.00	-3013.6	0.00	3013.64	5286.22	2643.11	11975.8	5996.84	1.15	-0.550	0.000	0.512
25.00	-45.46	-31.69	0.00	-2852.5	0.00	2852.56	5208.16	2604.08	11535.7	5776.42	1.81	-0.692	0.000	0.503
30.00	-43.62	-31.14	0.00	-2694.1	0.00	2694.13	5128.34	2564.17	11099.6	5558.05	2.61	-0.836	0.000	0.493
35.00	-41.81	-30.58	0.00	-2538.4	0.00	2538.44	5046.75	2523.38	10667.8	5341.85	3.56	-0.981	0.000	0.484
40.00	-40.04	-30.01	0.00	-2385.5	0.00	2385.56	4963.39	2481.70	10240.6	5127.96	4.67	-1.127	0.000	0.473
45.00	-38.32	-29.40	0.00	-2235.5	0.00	2235.53	4878.27	2439.14	9818.41	4916.50	5.93	-1.275	0.000	0.463
47.00	-37.63	-29.18	0.00	-2176.7	0.00	2176.74	4843.73	2421.86	9650.93	4832.64	6.47	-1.335	0.000	0.458
50.00	-35.78	-28.80	0.00	-2089.2	0.00	2089.21	4791.38	2395.69	9401.28	4707.63	7.34	-1.426	0.000	0.451
53.25	-33.82	-28.38	0.00	-1995.6	0.00	1995.60	4797.23	2398.61	9428.91	4721.46	8.35	-1.524	0.000	0.430
55.00	-33.21	-28.19	0.00	-1945.9	0.00	1945.95	4766.44	2383.22	9284.05	4648.93	8.92	-1.578	0.000	0.426
60.00	-31.57	-27.58	0.00	-1804.9	0.00	1804.99	4677.28	2338.64	8873.91	4443.55	10.65	-1.720	0.000	0.413
65.00	-29.96	-26.97	0.00	-1667.1	0.00	1667.10	4586.36	2293.18	8469.53	4241.06	12.53	-1.863	0.000	0.400
70.00	-28.39	-26.35	0.00	-1532.2	0.00	1532.27	4493.67	2246.84	8071.16	4041.58	14.55	-2.005	0.000	0.386
75.00	-26.87	-25.74	0.00	-1400.5	0.00	1400.51	4393.03	2196.52	7668.29	3839.84	16.73	-2.146	0.000	0.371
80.00	-25.37	-25.13	0.00	-1271.8	0.00	1271.81	4267.07	2133.53	7232.68	3621.71	19.05	-2.287	0.000	0.357
85.00	-23.92	-24.53	0.00	-1146.1	0.00	1146.15	4141.11	2070.55	6809.81	3409.96	21.52	-2.425	0.000	0.342
90.00	-22.50	-23.93	0.00	-1023.5	0.00	1023.51	4015.15	2007.57	6399.67	3204.59	24.13	-2.561	0.000	0.325
95.00	-21.15	-23.31	0.00	-903.89	0.00	903.89	3889.19	1944.59	6002.28	3005.60	26.89	-2.694	0.000	0.306
95.25	-21.06	-23.30	0.00	-898.06	0.00	898.06	3882.89	1941.44	5982.74	2995.82	27.03	-2.700	0.000	0.305
100.00	-18.94	-22.67	0.00	-787.39	0.00	787.39	3763.23	1881.61	5617.62	2812.98	29.78	-2.822	0.000	0.285
100.50	-18.70	-22.62	0.00	-776.06	0.00	776.06	3276.58	1638.29	4993.13	2500.28	30.07	-2.835	0.000	0.316
105.00	-17.64	-22.09	0.00	-674.27	0.00	674.27	3189.50	1594.75	4715.31	2361.16	32.80	-2.945	0.000	0.291
110.00	-16.50	-21.51	0.00	-563.80	0.00	563.80	3081.54	1540.77	4399.90	2203.22	35.95	-3.070	0.000	0.261
115.00	-15.39	-20.94	0.00	-456.23	0.00	456.23	2973.57	1486.79	4095.40	2050.74	39.23	-3.184	0.000	0.228
120.00	-14.32	-20.38	0.00	-351.53	0.00	351.53	2865.60	1432.80	3801.82	1903.74	42.62	-3.285	0.000	0.190
125.00	-13.29	-19.82	0.00	-249.64	0.00	249.64	2757.64	1378.82	3519.16	1762.20	46.11	-3.368	0.000	0.147
129.00	-8.72	-12.82	0.00	-170.35	0.00	170.35	2671.26	1335.63	3300.90	1652.90	48.95	-3.421	0.000	0.106
130.00	-8.54	-12.71	0.00	-157.53	0.00	157.53	2649.67	1324.84	3247.42	1626.12	49.67	-3.432	0.000	0.100
135.00	-7.66	-12.18	0.00	-93.97	0.00	93.97	2541.71	1270.85	2986.60	1495.52	53.29	-3.476	0.000	0.066
137.50	-5.10	-6.94	0.00	-63.51	0.00	63.51	2487.72	1243.86	2860.28	1432.27	55.11	-3.492	0.000	0.046
140.00	-4.72	-6.68	0.00	-46.17	0.00	46.17	2433.74	1216.87	2736.70	1370.38	56.94	-3.503	0.000	0.036
145.00	-3.99	-6.19	0.00	-12.75	0.00	12.75	2325.77	1162.89	2497.71	1250.71	60.62	-3.517	0.000	0.012
147.00	-0.24	-0.19	0.00	-0.37	0.00	0.37	2282.59	1141.29	2405.17	1204.38	62.09	-3.518	0.000	0.000
149.00	0.00	-0.17	0.00	0.00	0.00	0.00	2239.40	1119.70	2314.38	1158.91	63.56	-3.518	0.000	0.000

Wind Loading - Shaft

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Tower Engineering Solutions

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	21.088	23.20	476.39	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	21.088	23.20	466.77	0.650	0.000	5.00	25.322	16.46	610.9	0.0	1263.3
10.00		1.00	0.85	21.088	23.20	457.15	0.650	0.000	5.00	24.805	16.12	598.4	0.0	1237.3
15.00		1.00	0.85	21.088	23.20	447.53	0.650	0.000	5.00	24.289	15.79	585.9	0.0	1211.3
20.00		1.00	0.90	22.375	24.61	451.08	0.650	0.000	5.00	23.772	15.45	608.5	0.0	1185.4
25.00		1.00	0.95	23.451	25.80	451.65	0.650	0.000	5.00	23.256	15.12	623.9	0.0	1159.4
30.00		1.00	0.98	24.369	26.81	450.06	0.650	0.000	5.00	22.739	14.78	633.9	0.0	1133.4
35.00		1.00	1.01	25.172	27.69	446.92	0.650	0.000	5.00	22.222	14.44	639.9	0.0	1107.5
40.00		1.00	1.04	25.890	28.48	442.58	0.650	0.000	5.00	21.706	14.11	642.9	0.0	1081.5
45.00		1.00	1.07	26.540	29.19	437.31	0.650	0.000	5.00	21.189	13.77	643.3	0.0	1055.6
47.00	Bot - Section 2	1.00	1.08	26.784	29.46	434.98	0.650	0.000	2.00	8.331	5.42	255.3	0.0	415.0
50.00		1.00	1.09	27.135	29.85	431.27	0.650	0.000	3.00	12.564	8.17	390.0	0.0	1240.5
53.25	Top - Section 1	1.00	1.11	27.497	30.25	427.00	0.650	0.000	3.25	13.401	8.71	421.6	0.0	1322.7
55.00		1.00	1.12	27.685	30.45	432.50	0.650	0.000	1.75	7.125	4.63	225.7	0.0	354.8
60.00		1.00	1.14	28.197	31.02	425.35	0.650	0.000	5.00	20.010	13.01	645.5	0.0	996.3
65.00		1.00	1.16	28.676	31.54	417.73	0.650	0.000	5.00	19.493	12.67	639.5	0.0	970.3
70.00		1.00	1.17	29.127	32.04	409.70	0.650	0.000	5.00	18.977	12.33	632.3	0.0	944.4
75.00		1.00	1.19	29.553	32.51	401.29	0.650	0.000	5.00	18.460	12.00	624.1	0.0	918.4
80.00		1.00	1.21	29.958	32.95	392.56	0.650	0.000	5.00	17.943	11.66	614.9	0.0	892.4
85.00		1.00	1.22	30.342	33.38	383.54	0.650	0.000	5.00	17.427	11.33	604.9	0.0	866.5
90.00		1.00	1.24	30.710	33.78	374.24	0.650	0.000	5.00	16.910	10.99	594.1	0.0	840.5
95.00		1.00	1.25	31.061	34.17	364.70	0.650	0.000	5.00	16.394	10.66	582.5	0.0	814.6
95.25	Bot - Section 3	1.00	1.25	31.078	34.19	364.22	0.650	0.000	0.25	0.806	0.52	28.7	0.0	40.0
100.00		1.00	1.27	31.399	34.54	354.94	0.650	0.000	4.75	15.372	9.99	552.2	0.0	1404.2
100.50	Top - Section 2	1.00	1.27	31.432	34.57	353.95	0.650	0.000	0.50	1.591	1.03	57.2	0.0	145.3
105.00		1.00	1.28	31.723	34.89	352.21	0.650	0.000	4.50	14.087	9.16	511.2	0.0	600.6
110.00		1.00	1.29	32.035	35.24	342.08	0.650	0.000	5.00	15.161	9.85	555.6	0.0	646.2
115.00		1.00	1.30	32.336	35.57	331.77	0.650	0.000	5.00	14.645	9.52	541.7	0.0	624.0
120.00		1.00	1.32	32.627	35.89	321.30	0.650	0.000	5.00	14.128	9.18	527.3	0.0	601.7
125.00		1.00	1.33	32.909	36.20	310.66	0.650	0.000	5.00	13.611	8.85	512.4	0.0	579.5
129.00	Appurtenance(s)	1.00	1.34	33.128	36.44	302.05	0.650	0.000	4.00	10.517	6.84	398.6	0.0	447.6
130.00		1.00	1.34	33.182	36.50	299.88	0.650	0.000	1.00	2.578	1.68	97.8	0.0	109.7
135.00		1.00	1.35	33.446	36.79	288.96	0.650	0.000	5.00	12.578	8.18	481.3	0.0	535.0
137.50	Appurtenance(s)	1.00	1.35	33.576	36.93	283.44	0.650	0.000	2.50	6.095	3.96	234.1	0.0	259.1
140.00		1.00	1.36	33.703	37.07	277.90	0.650	0.000	2.50	5.966	3.88	230.0	0.0	253.6
145.00		1.00	1.37	33.953	37.35	266.72	0.650	0.000	5.00	11.545	7.50	448.4	0.0	490.5
147.00	Appurtenance(s)	1.00	1.37	34.051	37.46	262.22	0.650	0.000	2.00	4.473	2.91	174.3	0.0	190.0
149.00		1.00	1.38	34.148	37.56	257.69	0.650	0.000	2.00	4.391	2.85	171.5	0.0	186.4
								Totals:	**149.00**			**17,340.6**		**28,124.5**

Discrete Appurtenance Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 21

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	147.00	PRK-1245 (kicker kit)	1	34.051	37.456	1.00	1.00	9.50	418.42	0.000	0.000	569.34	0.00	0.00
2	147.00	APXV18-209014-C-A20	6	34.051	37.456	0.72	0.75	15.25	100.98	0.000	0.000	913.91	0.00	0.00
3	147.00	APXVAARR24_43-U-NA2	3	34.051	37.456	0.52	0.75	31.88	345.60	0.000	0.000	1910.46	0.00	0.00
4	147.00	Low Profile	1	34.051	37.456	1.00	1.00	22.00	1350.00	0.000	0.000	1318.47	0.00	0.00
5	147.00	782 10662	3	34.051	37.456	0.50	0.75	0.42	7.02	0.000	0.000	25.30	0.00	0.00
6	147.00	HRK12-HD	1	34.051	37.456	1.00	1.00	9.75	365.95	0.000	0.000	584.32	0.00	0.00
7	147.00	KRY 112 89/4	6	34.051	37.456	0.50	0.75	1.96	83.16	0.000	0.000	117.45	0.00	0.00
8	147.00	4449	3	34.051	37.456	0.50	0.75	2.49	189.00	0.000	0.000	149.07	0.00	0.00
9	137.50	Low Profile Platform-flat	1	33.576	36.933	1.00	1.00	25.00	1080.00	0.000	0.000	1477.33	0.00	0.00
10	137.50	DC2-48-60-8-18F-02	1	33.576	36.933	1.00	1.00	2.92	13.05	0.000	0.000	172.55	0.00	0.00
11	137.50	RRUS-11	6	33.576	36.933	0.54	0.80	8.10	275.40	0.000	0.000	478.91	0.00	0.00
12	137.50	LGP21903	6	33.576	36.933	0.54	0.80	0.87	29.70	0.000	0.000	51.31	0.00	0.00
13	137.50	LGP21401	6	33.576	36.933	0.54	0.80	4.15	76.14	0.000	0.000	245.16	0.00	0.00
14	137.50	7770.00	6	33.576	36.933	0.58	0.80	19.27	189.00	0.000	0.000	1138.85	0.00	0.00
15	137.50	AM-X-CD-17-65-00T-RET	3	33.576	36.933	0.64	0.80	21.72	160.65	0.000	0.000	1283.22	0.00	0.00
16	129.00	B5/B13 RRH-BR04C	3	33.019	36.321	0.50	0.75	2.82	189.81	0.000	-2.000	163.82	0.00	-327.65
17	129.00	BXA-70063/6CF __ 2°	3	33.128	36.440	0.52	0.75	11.92	45.90	0.000	0.000	695.15	0.00	0.00
18	129.00	MX06FRO660-03	6	33.019	36.321	0.65	0.75	38.64	324.00	0.000	-2.000	2245.56	0.00	-4491.12
19	129.00	MT6407-77A	3	33.019	36.321	0.52	0.75	7.39	235.17	0.000	-2.000	429.27	0.00	-858.54
20	129.00	B2/B66A RRH-BR049	3	33.019	36.321	0.50	0.75	2.82	227.88	0.000	-2.000	163.82	0.00	-327.65
21	129.00	Low Profile	1	33.128	36.440	1.00	1.00	22.00	1350.00	0.000	0.000	1282.70	0.00	0.00
22	129.00	Raycap	1	33.019	36.321	0.75	0.75	3.04	18.90	0.000	-2.000	176.95	0.00	-353.91
23	129.00	MS-H1242 (Heavy Collar	1	33.128	36.440	1.00	1.00	2.50	135.54	0.000	0.000	145.76	0.00	0.00
24	129.00	MS-KI22-5 (Kickers w/o	1	33.128	36.440	1.00	1.00	5.33	131.40	0.000	0.000	310.76	0.00	0.00
25	129.00	MS-HRECP	1	33.128	36.440	1.00	1.00	12.25	462.60	0.000	0.000	714.23	0.00	0.00
							Totals:		**7,805.27**			**16,763.69**		

Total Applied Force Summary

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 14

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60

Iterations 21

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		610.87	1462.42	0.00	0.00
10.00		598.41	1436.46	0.00	0.00
15.00		585.95	1410.50	0.00	0.00
20.00		608.49	1384.54	0.00	0.00
25.00		623.90	1358.58	0.00	0.00
30.00		633.91	1332.62	0.00	0.00
35.00		639.94	1306.66	0.00	0.00
40.00		642.89	1280.69	0.00	0.00
45.00		643.35	1254.73	0.00	0.00
47.00		255.27	494.62	0.00	0.00
50.00		390.01	1359.96	0.00	0.00
53.25		421.55	1452.19	0.00	0.00
55.00		225.68	424.54	0.00	0.00
60.00		645.46	1195.45	0.00	0.00
65.00		639.49	1169.49	0.00	0.00
70.00		632.33	1143.53	0.00	0.00
75.00		624.11	1117.57	0.00	0.00
80.00		614.95	1091.61	0.00	0.00
85.00		604.91	1065.65	0.00	0.00
90.00		594.09	1039.69	0.00	0.00
95.00		582.53	1013.73	0.00	0.00
95.25		28.66	50.00	0.00	0.00
100.00		552.17	1593.44	0.00	0.00
100.50		57.21	165.20	0.00	0.00
105.00		511.22	779.90	0.00	0.00
110.00		555.63	845.41	0.00	0.00
115.00		541.74	823.16	0.00	0.00
120.00		527.33	800.91	0.00	0.00
125.00		512.44	778.66	0.00	0.00
129.00	(23) attachments	6726.63	3728.10	0.00	-6358.85
130.00		97.85	138.16	0.00	0.00
135.00		481.28	677.45	0.00	0.00
137.50	(29) attachments	5081.46	2154.32	0.00	0.00
140.00		230.04	294.49	0.00	0.00
145.00		448.44	572.29	0.00	0.00
147.00	(24) attachments	5762.57	3082.81	0.00	0.00
149.00		171.53	186.40	0.00	0.00
	Totals:	**34,104.29**	**41,465.95**	**0.00**	**-6,358.85**

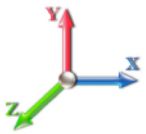
Calculated Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.6W 101 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.60



Iterations 21

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-41.42	-34.15	0.00	-3653.2	0.00	3653.24	5580.79	2790.40	13771.9	6896.19	0.00	0.000	0.000	0.537
5.00	-39.88	-33.63	0.00	-3482.4	0.00	3482.47	5509.80	2754.90	13318.1	6668.96	0.07	-0.134	0.000	0.530
10.00	-38.37	-33.12	0.00	-3314.3	0.00	3314.31	5437.04	2718.52	12867.3	6443.24	0.29	-0.269	0.000	0.522
15.00	-36.89	-32.62	0.00	-3148.7	0.00	3148.70	5362.51	2681.26	12419.8	6219.15	0.64	-0.407	0.000	0.513
20.00	-35.43	-32.08	0.00	-2985.6	0.00	2985.62	5286.22	2643.11	11975.8	5996.84	1.14	-0.545	0.000	0.505
25.00	-34.00	-31.53	0.00	-2825.2	0.00	2825.20	5208.16	2604.08	11535.7	5776.42	1.79	-0.686	0.000	0.496
30.00	-32.60	-30.96	0.00	-2667.5	0.00	2667.56	5128.34	2564.17	11099.6	5558.05	2.59	-0.828	0.000	0.486
35.00	-31.22	-30.38	0.00	-2512.7	0.00	2512.77	5046.75	2523.38	10667.8	5341.85	3.53	-0.972	0.000	0.477
40.00	-29.88	-29.79	0.00	-2360.8	0.00	2360.89	4963.39	2481.70	10240.6	5127.96	4.63	-1.116	0.000	0.467
45.00	-28.59	-29.17	0.00	-2211.9	0.00	2211.95	4878.27	2439.14	9818.41	4916.50	5.87	-1.263	0.000	0.456
47.00	-28.06	-28.94	0.00	-2153.6	0.00	2153.62	4843.73	2421.86	9650.93	4832.64	6.42	-1.323	0.000	0.452
50.00	-26.66	-28.56	0.00	-2066.8	0.00	2066.80	4791.38	2395.69	9401.28	4707.63	7.28	-1.412	0.000	0.445
53.25	-25.19	-28.13	0.00	-1973.9	0.00	1973.98	4797.23	2398.61	9428.91	4721.46	8.27	-1.510	0.000	0.423
55.00	-24.72	-27.94	0.00	-1924.7	0.00	1924.75	4766.44	2383.22	9284.05	4648.93	8.84	-1.563	0.000	0.419
60.00	-23.48	-27.32	0.00	-1785.0	0.00	1785.05	4677.28	2338.64	8873.91	4443.55	10.55	-1.704	0.000	0.407
65.00	-22.26	-26.70	0.00	-1648.4	0.00	1648.46	4586.36	2293.18	8469.53	4241.06	12.41	-1.844	0.000	0.394
70.00	-21.08	-26.08	0.00	-1514.9	0.00	1514.97	4493.67	2246.84	8071.16	4041.58	14.42	-1.985	0.000	0.380
75.00	-19.92	-25.46	0.00	-1384.5	0.00	1384.58	4393.03	2196.52	7668.29	3839.84	16.57	-2.125	0.000	0.365
80.00	-18.79	-24.85	0.00	-1257.2	0.00	1257.26	4267.07	2133.53	7232.68	3621.71	18.87	-2.263	0.000	0.352
85.00	-17.70	-24.25	0.00	-1133.0	0.00	1133.00	4141.11	2070.55	6809.81	3409.96	21.31	-2.400	0.000	0.337
90.00	-16.63	-23.65	0.00	-1011.7	0.00	1011.76	4015.15	2007.57	6399.67	3204.59	23.90	-2.535	0.000	0.320
95.00	-15.61	-23.04	0.00	-893.53	0.00	893.53	3889.19	1944.59	6002.28	3005.60	26.63	-2.666	0.000	0.301
95.25	-15.54	-23.02	0.00	-887.77	0.00	887.77	3882.89	1941.44	5982.74	2995.82	26.77	-2.673	0.000	0.300
100.00	-13.95	-22.41	0.00	-778.40	0.00	778.40	3763.23	1881.61	5617.62	2812.98	29.49	-2.793	0.000	0.281
100.50	-13.76	-22.36	0.00	-767.20	0.00	767.20	3276.58	1638.29	4993.13	2500.28	29.78	-2.806	0.000	0.311
105.00	-12.96	-21.84	0.00	-666.57	0.00	666.57	3189.50	1594.75	4715.31	2361.16	32.48	-2.915	0.000	0.287
110.00	-12.11	-21.27	0.00	-557.37	0.00	557.37	3081.54	1540.77	4399.90	2203.22	35.60	-3.038	0.000	0.257
115.00	-11.27	-20.70	0.00	-451.04	0.00	451.04	2973.57	1486.79	4095.40	2050.74	38.84	-3.151	0.000	0.224
120.00	-10.47	-20.15	0.00	-347.53	0.00	347.53	2865.60	1432.80	3801.82	1903.74	42.19	-3.250	0.000	0.186
125.00	-9.70	-19.60	0.00	-246.80	0.00	246.80	2757.64	1378.82	3519.16	1762.20	45.64	-3.333	0.000	0.144
129.00	-6.37	-12.67	0.00	-168.39	0.00	168.39	2671.26	1335.63	3300.90	1652.90	48.46	-3.384	0.000	0.104
130.00	-6.23	-12.57	0.00	-155.72	0.00	155.72	2649.67	1324.84	3247.42	1626.12	49.17	-3.396	0.000	0.098
135.00	-5.58	-12.05	0.00	-92.88	0.00	92.88	2541.71	1270.85	2986.60	1495.52	52.75	-3.439	0.000	0.064
137.50	-3.73	-6.85	0.00	-62.75	0.00	62.75	2487.72	1243.86	2860.28	1432.27	54.55	-3.455	0.000	0.045
140.00	-3.45	-6.60	0.00	-45.62	0.00	45.62	2433.74	1216.87	2736.70	1370.38	56.36	-3.466	0.000	0.035
145.00	-2.90	-6.12	0.00	-12.61	0.00	12.61	2325.77	1162.89	2497.71	1250.71	60.00	-3.480	0.000	0.011
147.00	-0.18	-0.18	0.00	-0.36	0.00	0.36	2282.59	1141.29	2405.17	1204.38	61.46	-3.481	0.000	0.000
149.00	0.00	-0.17	0.00	0.00	0.00	0.00	2239.40	1119.70	2314.38	1158.91	62.92	-3.481	0.000	0.000

Wind Loading - Shaft

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	1.656	5.00	26.702	32.04	182.2	631.7	2316.0
10.00		1.00	0.85	5.168	5.68	0.00	1.200	1.775	5.00	26.285	31.54	179.3	664.8	2314.5
15.00		1.00	0.85	5.168	5.68	0.00	1.200	1.848	5.00	25.829	30.99	176.2	679.0	2294.1
20.00		1.00	0.90	5.483	6.03	0.00	1.200	1.902	5.00	25.357	30.43	183.5	684.9	2265.4
25.00		1.00	0.95	5.747	6.32	0.00	1.200	1.945	5.00	24.877	29.85	188.7	685.9	2231.8
30.00		1.00	0.98	5.972	6.57	0.00	1.200	1.981	5.00	24.390	29.27	192.3	683.8	2195.1
35.00		1.00	1.01	6.169	6.79	0.00	1.200	2.012	5.00	23.899	28.68	194.6	679.5	2156.1
40.00		1.00	1.04	6.345	6.98	0.00	1.200	2.039	5.00	23.405	28.09	196.0	673.3	2115.4
45.00		1.00	1.07	6.504	7.15	0.00	1.200	2.063	5.00	22.908	27.49	196.7	665.8	2073.3
47.00	Bot - Section 2	1.00	1.08	6.564	7.22	0.00	1.200	2.072	2.00	9.022	10.83	78.2	265.0	818.3
50.00		1.00	1.09	6.650	7.32	0.00	1.200	2.085	3.00	13.606	16.33	119.4	401.2	2055.1
53.25	Top - Section 1	1.00	1.11	6.739	7.41	0.00	1.200	2.098	3.25	14.537	17.44	129.3	430.7	2194.3
55.00		1.00	1.12	6.785	7.46	0.00	1.200	2.105	1.75	7.739	9.29	69.3	230.7	703.8
60.00		1.00	1.14	6.910	7.60	0.00	1.200	2.123	5.00	21.779	26.13	198.7	649.0	1977.3
65.00		1.00	1.16	7.028	7.73	0.00	1.200	2.140	5.00	21.277	25.53	197.4	638.0	1931.8
70.00		1.00	1.17	7.138	7.85	0.00	1.200	2.156	5.00	20.773	24.93	195.7	626.5	1885.6
75.00		1.00	1.19	7.243	7.97	0.00	1.200	2.171	5.00	20.269	24.32	193.8	614.4	1838.9
80.00		1.00	1.21	7.342	8.08	0.00	1.200	2.185	5.00	19.764	23.72	191.5	601.9	1791.8
85.00		1.00	1.22	7.436	8.18	0.00	1.200	2.198	5.00	19.259	23.11	189.0	588.9	1744.2
90.00		1.00	1.24	7.526	8.28	0.00	1.200	2.211	5.00	18.753	22.50	186.3	575.5	1696.2
95.00		1.00	1.25	7.612	8.37	0.00	1.200	2.223	5.00	18.246	21.90	183.3	561.8	1647.9
95.25	Bot - Section 3	1.00	1.25	7.617	8.38	0.00	1.200	2.224	0.25	0.899	1.08	9.0	28.1	81.4
100.00		1.00	1.27	7.695	8.46	0.00	1.200	2.234	4.75	17.141	20.57	174.1	530.3	2402.6
100.50	Top - Section 2	1.00	1.27	7.703	8.47	0.00	1.200	2.236	0.50	1.777	2.13	18.1	55.7	249.4
105.00		1.00	1.28	7.774	8.55	0.00	1.200	2.245	4.50	15.771	18.92	161.8	489.5	1290.4
110.00		1.00	1.29	7.851	8.64	0.00	1.200	2.256	5.00	17.041	20.45	176.6	529.4	1391.0
115.00		1.00	1.30	7.925	8.72	0.00	1.200	2.266	5.00	16.533	19.84	172.9	514.5	1346.5
120.00		1.00	1.32	7.996	8.80	0.00	1.200	2.276	5.00	16.024	19.23	169.1	499.4	1301.8
125.00		1.00	1.33	8.065	8.87	0.00	1.200	2.285	5.00	15.516	18.62	165.2	484.1	1256.8
129.00	Appurtenance(s)	1.00	1.34	8.119	8.93	0.00	1.200	2.292	4.00	12.045	14.45	129.1	377.4	974.1
130.00		1.00	1.34	8.132	8.95	0.00	1.200	2.294	1.00	2.960	3.55	31.8	93.7	239.9
135.00		1.00	1.35	8.197	9.02	0.00	1.200	2.303	5.00	14.497	17.40	156.9	452.9	1166.2
137.50	Appurtenance(s)	1.00	1.35	8.229	9.05	0.00	1.200	2.307	2.50	7.057	8.47	76.6	222.5	568.0
140.00		1.00	1.36	8.260	9.09	0.00	1.200	2.311	2.50	6.929	8.31	75.5	218.5	556.6
145.00		1.00	1.37	8.321	9.15	0.00	1.200	2.319	5.00	13.478	16.17	148.0	420.9	1074.9
147.00	Appurtenance(s)	1.00	1.37	8.345	9.18	0.00	1.200	2.322	2.00	5.247	6.30	57.8	165.8	419.0
149.00		1.00	1.38	8.369	9.21	0.00	1.200	2.325	2.00	5.166	6.20	57.1	163.2	411.7
								Totals:	**149.00**			**5,401.3**		**54,977.3**

Discrete Appurtenance Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 21

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	147.00	PRK-1245 (kicker kit)	1	8.345	9.180	1.00	1.00	22.74	894.66	0.000	0.000	208.72	0.00	0.00
2	147.00	APXV18-209014-C-A20	6	8.345	9.180	0.72	0.75	25.68	563.58	0.000	0.000	235.69	0.00	0.00
3	147.00	APXVAARR24_43-U-NA2	3	8.345	9.180	0.52	0.75	35.91	2199.94	0.000	0.000	329.63	0.00	0.00
4	147.00	Low Profile	1	8.345	9.180	1.00	1.00	45.50	3241.69	0.000	0.000	417.68	0.00	0.00
5	147.00	782 10662	3	8.345	9.180	0.50	0.75	1.23	29.74	0.000	0.000	11.26	0.00	0.00
6	147.00	HRK12-HD	1	8.345	9.180	1.00	1.00	22.43	1536.63	0.000	0.000	205.89	0.00	0.00
7	147.00	KRY 112 89/4	6	8.345	9.180	0.50	0.75	4.42	221.56	0.000	0.000	40.53	0.00	0.00
8	147.00	4449	3	8.345	9.180	0.50	0.75	3.61	548.22	0.000	0.000	33.09	0.00	0.00
9	137.50	Low Profile Platform-flat	1	8.229	9.051	1.00	1.00	52.68	2524.08	0.000	0.000	476.84	0.00	0.00
10	137.50	DC2-48-60-8-18F-02	1	8.229	9.051	1.00	1.00	4.53	82.88	0.000	0.000	40.97	0.00	0.00
11	137.50	RRUS-11	6	8.229	9.051	0.54	0.80	10.80	844.37	0.000	0.000	97.72	0.00	0.00
12	137.50	LGP21903	6	8.229	9.051	0.54	0.80	2.56	92.04	0.000	0.000	23.16	0.00	0.00
13	137.50	LGP21401	6	8.229	9.051	0.54	0.80	7.70	257.20	0.000	0.000	69.71	0.00	0.00
14	137.50	7770.00	6	8.229	9.051	0.58	0.80	24.31	1403.72	0.000	0.000	220.04	0.00	0.00
15	137.50	AM-X-CD-17-65-00T-RET	3	8.229	9.051	0.64	0.80	25.96	1257.47	0.000	0.000	234.97	0.00	0.00
16	129.00	B5/B13 RRH-BR04C	3	8.092	8.901	0.50	0.75	3.99	578.16	0.000	-2.000	35.50	0.00	-71.00
17	129.00	BXA-70063/6CF __ 2°	3	8.119	8.931	0.52	0.75	17.64	497.75	0.000	0.000	157.53	0.00	0.00
18	129.00	MX06FRO660-03	6	8.092	8.901	0.65	0.75	45.84	2654.42	0.000	-2.000	408.00	0.00	-816.00
19	129.00	MT6407-77A	3	8.092	8.901	0.52	0.75	9.37	816.14	0.000	-2.000	83.45	0.00	-166.90
20	129.00	B2/B66A RRH-BR049	3	8.092	8.901	0.50	0.75	3.99	628.92	0.000	-2.000	35.50	0.00	-71.00
21	129.00	Low Profile	1	8.119	8.931	1.00	1.00	45.20	3219.09	0.000	0.000	403.63	0.00	0.00
22	129.00	Raycap	1	8.092	8.901	0.75	0.75	3.85	90.57	0.000	-2.000	34.31	0.00	-68.62
23	129.00	MS-H1242 (Heavy Collar	1	8.119	8.931	1.00	1.00	5.94	390.57	0.000	0.000	53.03	0.00	0.00
24	129.00	MS-KI22-5 (Kickers w/o	1	8.119	8.931	1.00	1.00	12.66	378.92	0.000	0.000	113.06	0.00	0.00
25	129.00	MS-HRECP	1	8.119	8.931	1.00	1.00	27.97	1931.94	0.000	0.000	249.82	0.00	0.00
							Totals:		**26,884.27**			**4,219.76**		

Total Applied Force Summary

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 18

Tower Engineering Solutions

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

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 21

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		182.15	2581.60	0.00	0.00
10.00		179.31	2580.05	0.00	0.00
15.00		176.20	2559.63	0.00	0.00
20.00		183.54	2530.91	0.00	0.00
25.00		188.72	2497.38	0.00	0.00
30.00		192.27	2460.67	0.00	0.00
35.00		194.61	2421.67	0.00	0.00
40.00		196.02	2380.93	0.00	0.00
45.00		196.68	2338.81	0.00	0.00
47.00		78.17	924.50	0.00	0.00
50.00		119.44	2214.46	0.00	0.00
53.25		129.31	2366.95	0.00	0.00
55.00		69.31	796.78	0.00	0.00
60.00		198.66	2242.90	0.00	0.00
65.00		197.38	2197.35	0.00	0.00
70.00		195.74	2151.20	0.00	0.00
75.00		193.78	2104.51	0.00	0.00
80.00		191.54	2057.34	0.00	0.00
85.00		189.04	2009.75	0.00	0.00
90.00		186.30	1961.76	0.00	0.00
95.00		183.34	1913.42	0.00	0.00
95.25		9.04	94.73	0.00	0.00
100.00		174.11	2654.92	0.00	0.00
100.50		18.07	275.95	0.00	0.00
105.00		161.84	1529.41	0.00	0.00
110.00		176.60	1656.58	0.00	0.00
115.00		172.94	1612.07	0.00	0.00
120.00		169.13	1567.32	0.00	0.00
125.00		165.18	1522.34	0.00	0.00
129.00	(23) attachments	1702.93	12373.08	0.00	-1193.53
130.00		31.77	277.94	0.00	0.00
135.00		156.86	1356.15	0.00	0.00
137.50	(29) attachments	1240.05	7124.75	0.00	0.00
140.00		75.55	611.14	0.00	0.00
145.00		148.04	1183.93	0.00	0.00
147.00	(24) attachments	1540.31	9698.69	0.00	0.00
149.00		57.07	411.69	0.00	0.00
	Totals:	**9,621.03**	**89,243.24**	**0.00**	**-1,193.53**

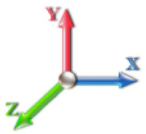
Calculated Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 21

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-89.24	-9.65	0.00	-1043.3	0.00	1043.31	5580.79	2790.40	13771.9	6896.19	0.00	0.000	0.000	0.167
5.00	-86.65	-9.53	0.00	-995.06	0.00	995.06	5509.80	2754.90	13318.1	6668.96	0.02	-0.038	0.000	0.165
10.00	-84.07	-9.40	0.00	-947.43	0.00	947.43	5437.04	2718.52	12867.3	6443.24	0.08	-0.077	0.000	0.163
15.00	-81.50	-9.28	0.00	-900.42	0.00	900.42	5362.51	2681.26	12419.8	6219.15	0.18	-0.116	0.000	0.160
20.00	-78.96	-9.14	0.00	-854.03	0.00	854.03	5286.22	2643.11	11975.8	5996.84	0.33	-0.156	0.000	0.157
25.00	-76.46	-9.00	0.00	-808.32	0.00	808.32	5208.16	2604.08	11535.7	5776.42	0.51	-0.196	0.000	0.155
30.00	-73.99	-8.85	0.00	-763.32	0.00	763.32	5128.34	2564.17	11099.6	5558.05	0.74	-0.237	0.000	0.152
35.00	-71.57	-8.70	0.00	-719.06	0.00	719.06	5046.75	2523.38	10667.8	5341.85	1.01	-0.278	0.000	0.149
40.00	-69.18	-8.54	0.00	-675.58	0.00	675.58	4963.39	2481.70	10240.6	5127.96	1.32	-0.319	0.000	0.146
45.00	-66.84	-8.36	0.00	-632.88	0.00	632.88	4878.27	2439.14	9818.41	4916.50	1.68	-0.361	0.000	0.142
47.00	-65.91	-8.30	0.00	-616.15	0.00	616.15	4843.73	2421.86	9650.93	4832.64	1.83	-0.378	0.000	0.141
50.00	-63.69	-8.20	0.00	-591.24	0.00	591.24	4791.38	2395.69	9401.28	4707.63	2.08	-0.404	0.000	0.139
53.25	-61.33	-8.08	0.00	-564.60	0.00	564.60	4797.23	2398.61	9428.91	4721.46	2.37	-0.432	0.000	0.132
55.00	-60.53	-8.03	0.00	-550.47	0.00	550.47	4766.44	2383.22	9284.05	4648.93	2.53	-0.447	0.000	0.131
60.00	-58.28	-7.85	0.00	-510.32	0.00	510.32	4677.28	2338.64	8873.91	4443.55	3.02	-0.487	0.000	0.127
65.00	-56.08	-7.68	0.00	-471.06	0.00	471.06	4586.36	2293.18	8469.53	4241.06	3.55	-0.527	0.000	0.123
70.00	-53.92	-7.50	0.00	-432.68	0.00	432.68	4493.67	2246.84	8071.16	4041.58	4.12	-0.568	0.000	0.119
75.00	-51.82	-7.32	0.00	-395.19	0.00	395.19	4393.03	2196.52	7668.29	3839.84	4.74	-0.608	0.000	0.115
80.00	-49.76	-7.14	0.00	-358.61	0.00	358.61	4267.07	2133.53	7232.68	3621.71	5.40	-0.647	0.000	0.111
85.00	-47.74	-6.96	0.00	-322.92	0.00	322.92	4141.11	2070.55	6809.81	3409.96	6.10	-0.686	0.000	0.106
90.00	-45.78	-6.78	0.00	-288.13	0.00	288.13	4015.15	2007.57	6399.67	3204.59	6.84	-0.724	0.000	0.101
95.00	-43.87	-6.58	0.00	-254.24	0.00	254.24	3889.19	1944.59	6002.28	3005.60	7.61	-0.762	0.000	0.096
95.25	-43.77	-6.59	0.00	-252.60	0.00	252.60	3882.89	1941.44	5982.74	2995.82	7.65	-0.764	0.000	0.096
100.00	-41.12	-6.39	0.00	-221.31	0.00	221.31	3763.23	1881.61	5617.62	2812.98	8.43	-0.798	0.000	0.090
100.50	-40.84	-6.38	0.00	-218.11	0.00	218.11	3276.58	1638.29	4993.13	2500.28	8.52	-0.802	0.000	0.100
105.00	-39.31	-6.22	0.00	-189.39	0.00	189.39	3189.50	1594.75	4715.31	2361.16	9.29	-0.833	0.000	0.093
110.00	-37.65	-6.04	0.00	-158.29	0.00	158.29	3081.54	1540.77	4399.90	2203.22	10.18	-0.868	0.000	0.084
115.00	-36.04	-5.86	0.00	-128.08	0.00	128.08	2973.57	1486.79	4095.40	2050.74	11.10	-0.900	0.000	0.075
120.00	-34.47	-5.68	0.00	-98.77	0.00	98.77	2865.60	1432.80	3801.82	1903.74	12.06	-0.928	0.000	0.064
125.00	-32.95	-5.51	0.00	-70.35	0.00	70.35	2757.64	1378.82	3519.16	1762.20	13.05	-0.951	0.000	0.052
129.00	-20.61	-3.60	0.00	-48.33	0.00	48.33	2671.26	1335.63	3300.90	1652.90	13.85	-0.966	0.000	0.037
130.00	-20.33	-3.56	0.00	-44.73	0.00	44.73	2649.67	1324.84	3247.42	1626.12	14.05	-0.969	0.000	0.035
135.00	-18.97	-3.39	0.00	-26.91	0.00	26.91	2541.71	1270.85	2986.60	1495.52	15.08	-0.982	0.000	0.025
137.50	-11.87	-2.03	0.00	-18.44	0.00	18.44	2487.72	1243.86	2860.28	1432.27	15.59	-0.986	0.000	0.018
140.00	-11.26	-1.94	0.00	-13.38	0.00	13.38	2433.74	1216.87	2736.70	1370.38	16.11	-0.990	0.000	0.014
145.00	-10.08	-1.77	0.00	-3.67	0.00	3.67	2325.77	1162.89	2497.71	1250.71	17.15	-0.994	0.000	0.007
147.00	-0.41	-0.06	0.00	-0.13	0.00	0.13	2282.59	1141.29	2405.17	1204.38	17.57	-0.994	0.000	0.000
149.00	0.00	-0.06	0.00	0.00	0.00	0.00	2239.40	1119.70	2314.38	1158.91	17.98	-0.994	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 20

Tower Engineering Solutions

Load Case:	1.2D + 1.0E							**Iterations**	19
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.43		**SA**	0.04	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1403.6	0.00	0.03	0.02	21.12	
10.00		1374.7	0.01	0.05	0.03	30.88	
15.00		1345.9	0.02	0.06	0.04	35.39	
20.00		1317.0	0.03	0.07	0.04	37.32	
25.00		1288.2	0.05	0.07	0.04	38.08	
30.00		1259.3	0.08	0.07	0.04	38.37	
35.00		1230.5	0.10	0.07	0.04	38.50	
40.00		1201.6	0.14	0.07	0.03	38.51	
45.00		1172.8	0.17	0.07	0.03	38.21	
47.00	Bot - Section 2	461.06	0.19	0.06	0.02	15.06	
50.00		1378.2	0.21	0.06	0.02	44.89	
53.25	Top - Section 1	1469.7	0.24	0.06	0.02	47.12	
55.00		394.26	0.26	0.05	0.02	12.45	
60.00		1106.9	0.31	0.04	0.01	32.18	
65.00		1078.1	0.36	0.03	0.01	26.49	
70.00		1049.2	0.42	0.01	0.01	18.67	
75.00		1020.4	0.48	-0.01	0.01	9.07	
80.00		991.60	0.54	-0.03	0.01	-1.30	
85.00		962.76	0.62	-0.06	0.02	-10.98	
90.00		933.91	0.69	-0.08	0.03	-18.38	
95.00		905.06	0.77	-0.11	0.05	-22.33	
95.25	Bot - Section 3	44.50	0.77	-0.11	0.05	-1.10	
100.00		1560.2	0.85	-0.12	0.07	-39.63	
100.50	Top - Section 2	161.43	0.86	-0.12	0.07	-4.07	
105.00		667.38	0.94	-0.12	0.10	-14.24	
110.00		718.05	1.03	-0.10	0.15	-8.81	
115.00		693.32	1.13	-0.05	0.20	1.29	
120.00		668.60	1.23	0.03	0.27	14.10	
125.00		643.87	1.33	0.16	0.36	29.26	
129.00	Appurtenance(s)	3965.3	1.42	0.32	0.45	272.25	
130.00		121.85	1.44	0.36	0.47	9.14	
135.00		594.42	1.55	0.64	0.61	65.25	
137.50	Appurtenance(s)	2314.5	1.61	0.81	0.68	298.92	
140.00		281.76	1.67	1.01	0.77	42.23	
145.00		544.97	1.79	1.49	0.96	106.51	
147.00	Appurtenance(s)	3388.9	1.84	1.72	1.05	729.34	
149.00		207.11	1.89	1.98	1.14	48.85	
	Totals:	**39,921.9**				**2,018.6**	**Total Wind:** **34,104.3**

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

Calculated Forces

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 21

Load Case:	1.2D + 1.0E							**Iterations**	19
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.17
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.43		**SA**	0.04	**Seismic Importance Factor**		1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-55.29	-2.14	0.00	-256.02	0.00	256.02	5580.79	2790.40	13771.9	6896.19		0.00	0.00	0.047
5.00	-53.34	-2.13	0.00	-245.31	0.00	245.31	5509.80	2754.90	13318.1	6668.96		0.01	-0.01	0.046
10.00	-51.42	-2.11	0.00	-234.66	0.00	234.66	5437.04	2718.52	12867.3	6443.24		0.02	-0.02	0.046
15.00	-49.54	-2.08	0.00	-224.12	0.00	224.12	5362.51	2681.26	12419.8	6219.15		0.05	-0.03	0.045
20.00	-47.69	-2.05	0.00	-213.72	0.00	213.72	5286.22	2643.11	11975.8	5996.84		0.08	-0.04	0.045
25.00	-45.88	-2.02	0.00	-203.47	0.00	203.47	5208.16	2604.08	11535.7	5776.42		0.13	-0.05	0.044
30.00	-44.11	-1.99	0.00	-193.38	0.00	193.38	5128.34	2564.17	11099.6	5558.05		0.18	-0.06	0.043
35.00	-42.36	-1.95	0.00	-183.45	0.00	183.45	5046.75	2523.38	10667.8	5341.85		0.25	-0.07	0.043
40.00	-40.66	-1.92	0.00	-173.68	0.00	173.68	4963.39	2481.70	10240.6	5127.96		0.33	-0.08	0.042
45.00	-38.98	-1.89	0.00	-164.08	0.00	164.08	4878.27	2439.14	9818.41	4916.50		0.42	-0.09	0.041
47.00	-38.32	-1.87	0.00	-160.31	0.00	160.31	4843.73	2421.86	9650.93	4832.64		0.46	-0.10	0.041
50.00	-36.51	-1.83	0.00	-154.69	0.00	154.69	4791.38	2395.69	9401.28	4707.63		0.52	-0.10	0.040
53.25	-34.57	-1.78	0.00	-148.74	0.00	148.74	4797.23	2398.61	9428.91	4721.46		0.59	-0.11	0.039
55.00	-34.01	-1.77	0.00	-145.63	0.00	145.63	4766.44	2383.22	9284.05	4648.93		0.63	-0.11	0.038
60.00	-32.41	-1.74	0.00	-136.76	0.00	136.76	4677.28	2338.64	8873.91	4443.55		0.76	-0.12	0.038
65.00	-30.85	-1.72	0.00	-128.04	0.00	128.04	4586.36	2293.18	8469.53	4241.06		0.89	-0.13	0.037
70.00	-29.33	-1.70	0.00	-119.45	0.00	119.45	4493.67	2246.84	8071.16	4041.58		1.04	-0.15	0.036
75.00	-27.84	-1.70	0.00	-110.94	0.00	110.94	4393.03	2196.52	7668.29	3839.84		1.20	-0.16	0.035
80.00	-26.38	-1.70	0.00	-102.46	0.00	102.46	4267.07	2133.53	7232.68	3621.71		1.37	-0.17	0.034
85.00	-24.96	-1.70	0.00	-93.98	0.00	93.98	4141.11	2070.55	6809.81	3409.96		1.55	-0.18	0.034
90.00	-23.57	-1.70	0.00	-85.50	0.00	85.50	4015.15	2007.57	6399.67	3204.59		1.75	-0.19	0.033
95.00	-22.22	-1.69	0.00	-77.01	0.00	77.01	3889.19	1944.59	6002.28	3005.60		1.95	-0.20	0.031
95.25	-22.15	-1.70	0.00	-76.59	0.00	76.59	3882.89	1941.44	5982.74	2995.82		1.96	-0.20	0.031
100.00	-20.03	-1.69	0.00	-68.53	0.00	68.53	3763.23	1881.61	5617.62	2812.98		2.17	-0.21	0.030
100.50	-19.81	-1.69	0.00	-67.69	0.00	67.69	3276.58	1638.29	4993.13	2500.28		2.19	-0.21	0.033
105.00	-18.77	-1.69	0.00	-60.07	0.00	60.07	3189.50	1594.75	4715.31	2361.16		2.40	-0.22	0.031
110.00	-17.64	-1.69	0.00	-51.62	0.00	51.62	3081.54	1540.77	4399.90	2203.22		2.64	-0.24	0.029
115.00	-16.54	-1.69	0.00	-43.16	0.00	43.16	2973.57	1486.79	4095.40	2050.74		2.89	-0.25	0.027
120.00	-15.48	-1.67	0.00	-34.73	0.00	34.73	2865.60	1432.80	3801.82	1903.74		3.15	-0.26	0.024
125.00	-14.44	-1.64	0.00	-26.37	0.00	26.37	2757.64	1378.82	3519.16	1762.20		3.42	-0.26	0.020
129.00	-9.47	-1.34	0.00	-19.81	0.00	19.81	2671.26	1335.63	3300.90	1652.90		3.65	-0.27	0.016
130.00	-9.28	-1.33	0.00	-18.47	0.00	18.47	2649.67	1324.84	3247.42	1626.12		3.70	-0.27	0.015
135.00	-8.38	-1.27	0.00	-11.79	0.00	11.79	2541.71	1270.85	2986.60	1495.52		3.99	-0.28	0.011
137.50	-5.51	-0.95	0.00	-8.63	0.00	8.63	2487.72	1243.86	2860.28	1432.27		4.14	-0.28	0.008
140.00	-5.12	-0.91	0.00	-6.25	0.00	6.25	2433.74	1216.87	2736.70	1370.38		4.28	-0.28	0.007
145.00	-4.36	-0.80	0.00	-1.70	0.00	1.70	2325.77	1162.89	2497.71	1250.71		4.58	-0.28	0.003
147.00	-0.25	-0.05	0.00	-0.10	0.00	0.10	2282.59	1141.29	2405.17	1204.38		4.70	-0.28	0.000
149.00	0.00	-0.05	0.00	0.00	0.00	0.00	2239.40	1119.70	2314.38	1158.91		4.81	-0.28	0.000

Seismic Segment Forces (Factored)

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 22

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Load Case:	0.9D + 1.0E							**Iterations**	19
Gust Response Factor	1.10				**Sds**	0.19		**Ss**	0.17
Dead Load Factor	0.90	**Seismic Load Factor**	1.00		**Sd1**	0.10		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.43		**SA**	0.04	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		1403.6	0.00	0.03	0.02	21.12	
10.00		1374.7	0.01	0.05	0.03	30.88	
15.00		1345.9	0.02	0.06	0.04	35.39	
20.00		1317.0	0.03	0.07	0.04	37.32	
25.00		1288.2	0.05	0.07	0.04	38.08	
30.00		1259.3	0.08	0.07	0.04	38.37	
35.00		1230.5	0.10	0.07	0.04	38.50	
40.00		1201.6	0.14	0.07	0.03	38.51	
45.00		1172.8	0.17	0.07	0.03	38.21	
47.00	Bot - Section 2	461.06	0.19	0.06	0.02	15.06	
50.00		1378.2	0.21	0.06	0.02	44.89	
53.25	Top - Section 1	1469.7	0.24	0.06	0.02	47.12	
55.00		394.26	0.26	0.05	0.02	12.45	
60.00		1106.9	0.31	0.04	0.01	32.18	
65.00		1078.1	0.36	0.03	0.01	26.49	
70.00		1049.2	0.42	0.01	0.01	18.67	
75.00		1020.4	0.48	-0.01	0.01	9.07	
80.00		991.60	0.54	-0.03	0.01	-1.30	
85.00		962.76	0.62	-0.06	0.02	-10.98	
90.00		933.91	0.69	-0.08	0.03	-18.38	
95.00		905.06	0.77	-0.11	0.05	-22.33	
95.25	Bot - Section 3	44.50	0.77	-0.11	0.05	-1.10	
100.00		1560.2	0.85	-0.12	0.07	-39.63	
100.50	Top - Section 2	161.43	0.86	-0.12	0.07	-4.07	
105.00		667.38	0.94	-0.12	0.10	-14.24	
110.00		718.05	1.03	-0.10	0.15	-8.81	
115.00		693.32	1.13	-0.05	0.20	1.29	
120.00		668.60	1.23	0.03	0.27	14.10	
125.00		643.87	1.33	0.16	0.36	29.26	
129.00	Appurtenance(s)	3965.3	1.42	0.32	0.45	272.25	
130.00		121.85	1.44	0.36	0.47	9.14	
135.00		594.42	1.55	0.64	0.61	65.25	
137.50	Appurtenance(s)	2314.5	1.61	0.81	0.68	298.92	
140.00		281.76	1.67	1.01	0.77	42.23	
145.00		544.97	1.79	1.49	0.96	106.51	
147.00	Appurtenance(s)	3388.9	1.84	1.72	1.05	729.34	
149.00		207.11	1.89	1.98	1.14	48.85	
	Totals:	**39,921.9**				**2,018.6**	**Total Wind:** **34,104.3**

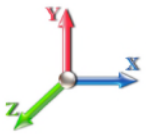
Seismic Base Shear is Less Than 50% of Wind Force - An Analysis is NOT Required

Calculated Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Tower Engineering Solutions

Load Case: 0.9D + 1.0E



Gust Response Factor	1.10			**Sds**	0.19			**Iterations**	19
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.10			**Ss**	0.17
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.43	**SA**	0.04			**S1**	0.06
								Seismic Importance Factor	1.00

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-41.47	-2.14	0.00	-253.86	0.00	253.86	5580.79	2790.40	13771.9	6896.19		0.00	0.00	0.044
5.00	-40.00	-2.13	0.00	-243.15	0.00	243.15	5509.80	2754.90	13318.1	6668.96		0.01	-0.01	0.044
10.00	-38.57	-2.10	0.00	-232.52	0.00	232.52	5437.04	2718.52	12867.3	6443.24		0.02	-0.02	0.043
15.00	-37.16	-2.07	0.00	-222.01	0.00	222.01	5362.51	2681.26	12419.8	6219.15		0.04	-0.03	0.043
20.00	-35.77	-2.04	0.00	-211.64	0.00	211.64	5286.22	2643.11	11975.8	5996.84		0.08	-0.04	0.042
25.00	-34.41	-2.01	0.00	-201.44	0.00	201.44	5208.16	2604.08	11535.7	5776.42		0.13	-0.05	0.041
30.00	-33.08	-1.97	0.00	-191.40	0.00	191.40	5128.34	2564.17	11099.6	5558.05		0.18	-0.06	0.041
35.00	-31.77	-1.94	0.00	-181.54	0.00	181.54	5046.75	2523.38	10667.8	5341.85		0.25	-0.07	0.040
40.00	-30.49	-1.91	0.00	-171.84	0.00	171.84	4963.39	2481.70	10240.6	5127.96		0.33	-0.08	0.040
45.00	-29.24	-1.87	0.00	-162.31	0.00	162.31	4878.27	2439.14	9818.41	4916.50		0.41	-0.09	0.039
47.00	-28.74	-1.86	0.00	-158.58	0.00	158.58	4843.73	2421.86	9650.93	4832.64		0.45	-0.09	0.039
50.00	-27.38	-1.81	0.00	-153.01	0.00	153.01	4791.38	2395.69	9401.28	4707.63		0.51	-0.10	0.038
53.25	-25.93	-1.76	0.00	-147.12	0.00	147.12	4797.23	2398.61	9428.91	4721.46		0.59	-0.11	0.037
55.00	-25.50	-1.75	0.00	-144.03	0.00	144.03	4766.44	2383.22	9284.05	4648.93		0.63	-0.11	0.036
60.00	-24.31	-1.72	0.00	-135.26	0.00	135.26	4677.28	2338.64	8873.91	4443.55		0.75	-0.12	0.036
65.00	-23.14	-1.70	0.00	-126.64	0.00	126.64	4586.36	2293.18	8469.53	4241.06		0.88	-0.13	0.035
70.00	-21.99	-1.68	0.00	-118.14	0.00	118.14	4493.67	2246.84	8071.16	4041.58		1.03	-0.14	0.034
75.00	-20.88	-1.67	0.00	-109.72	0.00	109.72	4393.03	2196.52	7668.29	3839.84		1.19	-0.16	0.033
80.00	-19.78	-1.68	0.00	-101.35	0.00	101.35	4267.07	2133.53	7232.68	3621.71		1.36	-0.17	0.033
85.00	-18.72	-1.68	0.00	-92.97	0.00	92.97	4141.11	2070.55	6809.81	3409.96		1.54	-0.18	0.032
90.00	-17.68	-1.68	0.00	-84.59	0.00	84.59	4015.15	2007.57	6399.67	3204.59		1.73	-0.19	0.031
95.00	-16.66	-1.67	0.00	-76.21	0.00	76.21	3889.19	1944.59	6002.28	3005.60		1.93	-0.20	0.030
95.25	-16.61	-1.68	0.00	-75.79	0.00	75.79	3882.89	1941.44	5982.74	2995.82		1.94	-0.20	0.030
100.00	-15.02	-1.67	0.00	-67.83	0.00	67.83	3763.23	1881.61	5617.62	2812.98		2.15	-0.21	0.028
100.50	-14.86	-1.67	0.00	-67.00	0.00	67.00	3276.58	1638.29	4993.13	2500.28		2.17	-0.21	0.031
105.00	-14.08	-1.67	0.00	-59.47	0.00	59.47	3189.50	1594.75	4715.31	2361.16		2.37	-0.22	0.030
110.00	-13.23	-1.67	0.00	-51.11	0.00	51.11	3081.54	1540.77	4399.90	2203.22		2.61	-0.23	0.027
115.00	-12.41	-1.67	0.00	-42.76	0.00	42.76	2973.57	1486.79	4095.40	2050.74		2.86	-0.24	0.025
120.00	-11.61	-1.65	0.00	-34.41	0.00	34.41	2865.60	1432.80	3801.82	1903.74		3.12	-0.25	0.022
125.00	-10.83	-1.62	0.00	-26.15	0.00	26.15	2757.64	1378.82	3519.16	1762.20		3.39	-0.26	0.019
129.00	-7.10	-1.33	0.00	-19.66	0.00	19.66	2671.26	1335.63	3300.90	1652.90		3.61	-0.27	0.015
130.00	-6.96	-1.32	0.00	-18.33	0.00	18.33	2649.67	1324.84	3247.42	1626.12		3.67	-0.27	0.014
135.00	-6.28	-1.26	0.00	-11.71	0.00	11.71	2541.71	1270.85	2986.60	1495.52		3.95	-0.27	0.010
137.50	-4.13	-0.95	0.00	-8.57	0.00	8.57	2487.72	1243.86	2860.28	1432.27		4.10	-0.28	0.008
140.00	-3.84	-0.90	0.00	-6.20	0.00	6.20	2433.74	1216.87	2736.70	1370.38		4.24	-0.28	0.006
145.00	-3.27	-0.79	0.00	-1.69	0.00	1.69	2325.77	1162.89	2497.71	1250.71		4.53	-0.28	0.003
147.00	-0.19	-0.05	0.00	-0.10	0.00	0.10	2282.59	1141.29	2405.17	1204.38		4.65	-0.28	0.000
149.00	0.00	-0.05	0.00	0.00	0.00	0.00	2239.40	1119.70	2314.38	1158.91		4.76	-0.28	0.000

Wind Loading - Shaft

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 20

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	7.442	8.19	283.01	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	7.442	8.19	277.29	0.650	0.000	5.00	25.322	16.46	134.7	0.0	1403.6
10.00		1.00	0.85	7.442	8.19	271.58	0.650	0.000	5.00	24.805	16.12	132.0	0.0	1374.8
15.00		1.00	0.85	7.442	8.19	265.86	0.650	0.000	5.00	24.289	15.79	129.2	0.0	1345.9
20.00		1.00	0.90	7.896	8.69	267.97	0.650	0.000	5.00	23.772	15.45	134.2	0.0	1317.1
25.00		1.00	0.95	8.276	9.10	268.31	0.650	0.000	5.00	23.256	15.12	137.6	0.0	1288.2
30.00		1.00	0.98	8.600	9.46	267.36	0.650	0.000	5.00	22.739	14.78	139.8	0.0	1259.4
35.00		1.00	1.01	8.883	9.77	265.49	0.650	0.000	5.00	22.222	14.44	141.2	0.0	1230.5
40.00		1.00	1.04	9.137	10.05	262.92	0.650	0.000	5.00	21.706	14.11	141.8	0.0	1201.7
45.00		1.00	1.07	9.366	10.30	259.79	0.650	0.000	5.00	21.189	13.77	141.9	0.0	1172.8
47.00	Bot - Section 2	1.00	1.08	9.452	10.40	258.40	0.650	0.000	2.00	8.331	5.42	56.3	0.0	461.1
50.00		1.00	1.09	9.576	10.53	256.20	0.650	0.000	3.00	12.564	8.17	86.0	0.0	1378.3
53.25	Top - Section 1	1.00	1.11	9.704	10.67	253.66	0.650	0.000	3.25	13.401	8.71	93.0	0.0	1469.7
55.00		1.00	1.12	9.770	10.75	256.93	0.650	0.000	1.75	7.125	4.63	49.8	0.0	394.3
60.00		1.00	1.14	9.951	10.95	252.68	0.650	0.000	5.00	20.010	13.01	142.4	0.0	1107.0
65.00		1.00	1.16	10.120	11.13	248.16	0.650	0.000	5.00	19.493	12.67	141.0	0.0	1078.1
70.00		1.00	1.17	10.279	11.31	243.38	0.650	0.000	5.00	18.977	12.33	139.5	0.0	1049.3
75.00		1.00	1.19	10.430	11.47	238.39	0.650	0.000	5.00	18.460	12.00	137.7	0.0	1020.4
80.00		1.00	1.21	10.572	11.63	233.21	0.650	0.000	5.00	17.943	11.66	135.6	0.0	991.6
85.00		1.00	1.22	10.708	11.78	227.84	0.650	0.000	5.00	17.427	11.33	133.4	0.0	962.8
90.00		1.00	1.24	10.838	11.92	222.32	0.650	0.000	5.00	16.910	10.99	131.0	0.0	933.9
95.00		1.00	1.25	10.962	12.06	216.65	0.650	0.000	5.00	16.394	10.66	128.5	0.0	905.1
95.25	Bot - Section 3	1.00	1.25	10.968	12.06	216.37	0.650	0.000	0.25	0.806	0.52	6.3	0.0	44.5
100.00		1.00	1.27	11.081	12.19	210.85	0.650	0.000	4.75	15.372	9.99	121.8	0.0	1560.3
100.50	Top - Section 2	1.00	1.27	11.092	12.20	210.27	0.650	0.000	0.50	1.591	1.03	12.6	0.0	161.4
105.00		1.00	1.28	11.195	12.31	209.23	0.650	0.000	4.50	14.087	9.16	112.8	0.0	667.4
110.00		1.00	1.29	11.305	12.44	203.22	0.650	0.000	5.00	15.161	9.85	122.6	0.0	718.0
115.00		1.00	1.30	11.412	12.55	197.09	0.650	0.000	5.00	14.645	9.52	119.5	0.0	693.3
120.00		1.00	1.32	11.514	12.67	190.87	0.650	0.000	5.00	14.128	9.18	116.3	0.0	668.6
125.00		1.00	1.33	11.614	12.78	184.55	0.650	0.000	5.00	13.611	8.85	113.0	0.0	643.9
129.00	Appurtenance(s)	1.00	1.34	11.691	12.86	179.43	0.650	0.000	4.00	10.517	6.84	87.9	0.0	497.3
130.00		1.00	1.34	11.710	12.88	178.15	0.650	0.000	1.00	2.578	1.68	21.6	0.0	121.9
135.00		1.00	1.35	11.803	12.98	171.66	0.650	0.000	5.00	12.578	8.18	106.2	0.0	594.4
137.50	Appurtenance(s)	1.00	1.35	11.849	13.03	168.38	0.650	0.000	2.50	6.095	3.96	51.6	0.0	287.9
140.00		1.00	1.36	11.894	13.08	165.09	0.650	0.000	2.50	5.966	3.88	50.7	0.0	281.8
145.00		1.00	1.37	11.982	13.18	158.45	0.650	0.000	5.00	11.545	7.50	98.9	0.0	545.0
147.00	Appurtenance(s)	1.00	1.37	12.017	13.22	155.77	0.650	0.000	2.00	4.473	2.91	38.4	0.0	211.1
149.00		1.00	1.38	12.051	13.26	153.09	0.650	0.000	2.00	4.391	2.85	37.8	0.0	207.1
								Totals:	**149.00**			**3,824.8**		**31,249.4**

Discrete Appurtenance Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 20

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	147.00	PRK-1245 (kicker kit)	1	12.017	13.219	1.00	1.00	9.50	464.91	0.000	0.000	125.58	0.00	0.00
2	147.00	APXV18-209014-C-A20	6	12.017	13.219	0.72	0.75	15.25	112.20	0.000	0.000	201.58	0.00	0.00
3	147.00	APXVAARR24_43-U-NA2	3	12.017	13.219	0.52	0.75	31.88	384.00	0.000	0.000	421.38	0.00	0.00
4	147.00	Low Profile	1	12.017	13.219	1.00	1.00	22.00	1500.00	0.000	0.000	290.81	0.00	0.00
5	147.00	782 10662	3	12.017	13.219	0.50	0.75	0.42	7.80	0.000	0.000	5.58	0.00	0.00
6	147.00	HRK12-HD	1	12.017	13.219	1.00	1.00	9.75	406.61	0.000	0.000	128.88	0.00	0.00
7	147.00	KRY 112 89/4	6	12.017	13.219	0.50	0.75	1.96	92.40	0.000	0.000	25.91	0.00	0.00
8	147.00	4449	3	12.017	13.219	0.50	0.75	2.49	210.00	0.000	0.000	32.88	0.00	0.00
9	137.50	Low Profile Platform-flat	1	11.849	13.034	1.00	1.00	25.00	1200.00	0.000	0.000	325.85	0.00	0.00
10	137.50	DC2-48-60-8-18F-02	1	11.849	13.034	1.00	1.00	2.92	14.50	0.000	0.000	38.06	0.00	0.00
11	137.50	RRUS-11	6	11.849	13.034	0.54	0.80	8.10	306.00	0.000	0.000	105.63	0.00	0.00
12	137.50	LGP21903	6	11.849	13.034	0.54	0.80	0.87	33.00	0.000	0.000	11.32	0.00	0.00
13	137.50	LGP21401	6	11.849	13.034	0.54	0.80	4.15	84.60	0.000	0.000	54.07	0.00	0.00
14	137.50	7770.00	6	11.849	13.034	0.58	0.80	19.27	210.00	0.000	0.000	251.19	0.00	0.00
15	137.50	AM-X-CD-17-65-00T-RET	3	11.849	13.034	0.64	0.80	21.72	178.50	0.000	0.000	283.04	0.00	0.00
16	129.00	B5/B13 RRH-BR04C	3	11.653	12.818	0.50	0.75	2.82	210.90	0.000	-2.000	36.13	0.00	-72.27
17	129.00	BXA-70063/6CF __ 2°	3	11.691	12.860	0.52	0.75	11.92	51.00	0.000	0.000	153.33	0.00	0.00
18	129.00	MX06FRO660-03	6	11.653	12.818	0.65	0.75	38.64	360.00	0.000	-2.000	495.30	0.00	-990.59
19	129.00	MT6407-77A	3	11.653	12.818	0.52	0.75	7.39	261.30	0.000	-2.000	94.68	0.00	-189.36
20	129.00	B2/B66A RRH-BR049	3	11.653	12.818	0.50	0.75	2.82	253.20	0.000	-2.000	36.13	0.00	-72.27
21	129.00	Low Profile	1	11.691	12.860	1.00	1.00	22.00	1500.00	0.000	0.000	282.92	0.00	0.00
22	129.00	Raycap	1	11.653	12.818	0.75	0.75	3.04	21.00	0.000	-2.000	39.03	0.00	-78.06
23	129.00	MS-H1242 (Heavy Collar	1	11.691	12.860	1.00	1.00	2.50	150.60	0.000	0.000	32.15	0.00	0.00
24	129.00	MS-KI22-5 (Kickers w/o	1	11.691	12.860	1.00	1.00	5.33	146.00	0.000	0.000	68.54	0.00	0.00
25	129.00	MS-HRECP	1	11.691	12.860	1.00	1.00	12.25	514.00	0.000	0.000	157.54	0.00	0.00
							Totals:		**8,672.52**			**3,697.51**		

Total Applied Force Summary

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 26

Tower Engineering Solutions

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 20

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
5.00		134.74	1624.91	0.00	0.00
10.00		131.99	1596.07	0.00	0.00
15.00		129.24	1567.22	0.00	0.00
20.00		134.21	1538.38	0.00	0.00
25.00		137.61	1509.53	0.00	0.00
30.00		139.82	1480.68	0.00	0.00
35.00		141.15	1451.84	0.00	0.00
40.00		141.80	1422.99	0.00	0.00
45.00		141.90	1394.15	0.00	0.00
47.00		56.30	549.58	0.00	0.00
50.00		86.02	1511.06	0.00	0.00
53.25		92.98	1613.55	0.00	0.00
55.00		49.78	471.71	0.00	0.00
60.00		142.37	1328.28	0.00	0.00
65.00		141.05	1299.44	0.00	0.00
70.00		139.47	1270.59	0.00	0.00
75.00		137.66	1241.75	0.00	0.00
80.00		135.64	1212.90	0.00	0.00
85.00		133.42	1184.06	0.00	0.00
90.00		131.04	1155.21	0.00	0.00
95.00		128.49	1126.36	0.00	0.00
95.25		6.32	55.56	0.00	0.00
100.00		121.79	1770.49	0.00	0.00
100.50		12.62	183.56	0.00	0.00
105.00		112.76	866.55	0.00	0.00
110.00		122.55	939.35	0.00	0.00
115.00		119.49	914.62	0.00	0.00
120.00		116.31	889.90	0.00	0.00
125.00		113.03	865.17	0.00	0.00
129.00	(23) attachments	1483.67	4142.34	0.00	-1402.55
130.00		21.58	153.51	0.00	0.00
135.00		106.15	752.72	0.00	0.00
137.50	(29) attachments	1120.80	2393.69	0.00	0.00
140.00		50.74	327.21	0.00	0.00
145.00		98.91	635.87	0.00	0.00
147.00	(24) attachments	1271.03	3425.35	0.00	0.00
149.00		37.83	207.11	0.00	0.00
	Totals:	**7,522.27**	**46,073.28**	**0.00**	**-1,402.55**

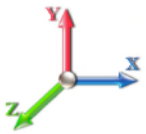
Calculated Forces

Structure:	CT13614-A-SBA	**Code:**	EIA/TIA-222-G	7/28/2021	
Site Name:	Knowlton	**Exposure:**	C		
Height:	149.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 20

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-46.07	-7.53	0.00	-808.31	0.00	808.31	5580.79	2790.40	13771.9	6896.19	0.00	0.000	0.000	0.125
5.00	-44.44	-7.42	0.00	-770.64	0.00	770.64	5509.80	2754.90	13318.1	6668.96	0.02	-0.030	0.000	0.124
10.00	-42.84	-7.31	0.00	-733.53	0.00	733.53	5437.04	2718.52	12867.3	6443.24	0.06	-0.060	0.000	0.122
15.00	-41.27	-7.20	0.00	-696.98	0.00	696.98	5362.51	2681.26	12419.8	6219.15	0.14	-0.090	0.000	0.120
20.00	-39.73	-7.09	0.00	-660.97	0.00	660.97	5286.22	2643.11	11975.8	5996.84	0.25	-0.121	0.000	0.118
25.00	-38.22	-6.97	0.00	-625.55	0.00	625.55	5208.16	2604.08	11535.7	5776.42	0.40	-0.152	0.000	0.116
30.00	-36.73	-6.84	0.00	-590.72	0.00	590.72	5128.34	2564.17	11099.6	5558.05	0.57	-0.183	0.000	0.113
35.00	-35.28	-6.72	0.00	-556.51	0.00	556.51	5046.75	2523.38	10667.8	5341.85	0.78	-0.215	0.000	0.111
40.00	-33.85	-6.59	0.00	-522.94	0.00	522.94	4963.39	2481.70	10240.6	5127.96	1.02	-0.247	0.000	0.109
45.00	-32.46	-6.45	0.00	-490.00	0.00	490.00	4878.27	2439.14	9818.41	4916.50	1.30	-0.280	0.000	0.106
47.00	-31.90	-6.40	0.00	-477.10	0.00	477.10	4843.73	2421.86	9650.93	4832.64	1.42	-0.293	0.000	0.105
50.00	-30.39	-6.32	0.00	-457.90	0.00	457.90	4791.38	2395.69	9401.28	4707.63	1.61	-0.313	0.000	0.104
53.25	-28.78	-6.22	0.00	-437.36	0.00	437.36	4797.23	2398.61	9428.91	4721.46	1.83	-0.334	0.000	0.099
55.00	-28.30	-6.18	0.00	-426.47	0.00	426.47	4766.44	2383.22	9284.05	4648.93	1.96	-0.346	0.000	0.098
60.00	-26.97	-6.05	0.00	-395.56	0.00	395.56	4677.28	2338.64	8873.91	4443.55	2.34	-0.377	0.000	0.095
65.00	-25.67	-5.91	0.00	-365.32	0.00	365.32	4586.36	2293.18	8469.53	4241.06	2.75	-0.408	0.000	0.092
70.00	-24.40	-5.78	0.00	-335.77	0.00	335.77	4493.67	2246.84	8071.16	4041.58	3.19	-0.440	0.000	0.089
75.00	-23.15	-5.64	0.00	-306.90	0.00	306.90	4393.03	2196.52	7668.29	3839.84	3.67	-0.471	0.000	0.085
80.00	-21.94	-5.51	0.00	-278.70	0.00	278.70	4267.07	2133.53	7232.68	3621.71	4.18	-0.501	0.000	0.082
85.00	-20.75	-5.37	0.00	-251.17	0.00	251.17	4141.11	2070.55	6809.81	3409.96	4.72	-0.532	0.000	0.079
90.00	-19.60	-5.24	0.00	-224.30	0.00	224.30	4015.15	2007.57	6399.67	3204.59	5.29	-0.561	0.000	0.075
95.00	-18.47	-5.11	0.00	-198.10	0.00	198.10	3889.19	1944.59	6002.28	3005.60	5.90	-0.591	0.000	0.071
95.25	-18.41	-5.10	0.00	-196.82	0.00	196.82	3882.89	1941.44	5982.74	2995.82	5.93	-0.592	0.000	0.070
100.00	-16.64	-4.97	0.00	-172.58	0.00	172.58	3763.23	1881.61	5617.62	2812.98	6.53	-0.619	0.000	0.066
100.50	-16.46	-4.96	0.00	-170.10	0.00	170.10	3276.58	1638.29	4993.13	2500.28	6.60	-0.622	0.000	0.073
105.00	-15.59	-4.84	0.00	-147.80	0.00	147.80	3189.50	1594.75	4715.31	2361.16	7.19	-0.646	0.000	0.067
110.00	-14.65	-4.71	0.00	-123.59	0.00	123.59	3081.54	1540.77	4399.90	2203.22	7.89	-0.673	0.000	0.061
115.00	-13.74	-4.59	0.00	-100.02	0.00	100.02	2973.57	1486.79	4095.40	2050.74	8.60	-0.698	0.000	0.053
120.00	-12.85	-4.47	0.00	-77.07	0.00	77.07	2865.60	1432.80	3801.82	1903.74	9.35	-0.720	0.000	0.045
125.00	-11.98	-4.35	0.00	-54.73	0.00	54.73	2757.64	1378.82	3519.16	1762.20	10.11	-0.738	0.000	0.035
129.00	-7.86	-2.81	0.00	-37.34	0.00	37.34	2671.26	1335.63	3300.90	1652.90	10.74	-0.750	0.000	0.026
130.00	-7.71	-2.79	0.00	-34.53	0.00	34.53	2649.67	1324.84	3247.42	1626.12	10.89	-0.752	0.000	0.024
135.00	-6.95	-2.67	0.00	-20.60	0.00	20.60	2541.71	1270.85	2986.60	1495.52	11.69	-0.762	0.000	0.017
137.50	-4.58	-1.52	0.00	-13.92	0.00	13.92	2487.72	1243.86	2860.28	1432.27	12.09	-0.765	0.000	0.012
140.00	-4.25	-1.46	0.00	-10.12	0.00	10.12	2433.74	1216.87	2736.70	1370.38	12.49	-0.768	0.000	0.009
145.00	-3.61	-1.36	0.00	-2.80	0.00	2.80	2325.77	1162.89	2497.71	1250.71	13.30	-0.771	0.000	0.004
147.00	-0.21	-0.04	0.00	-0.08	0.00	0.08	2282.59	1141.29	2405.17	1204.38	13.62	-0.771	0.000	0.000
149.00	0.00	-0.04	0.00	0.00	0.00	0.00	2239.40	1119.70	2314.38	1158.91	13.94	-0.771	0.000	0.000

Final Analysis Summary

Structure:	CT13614-A-SBA		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 28

Tower Engineering Solutions

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.6W 101 mph Wind	34.2	0.00	55.25	0.00	0.00	3682.51
0.9D + 1.6W 101 mph Wind	34.2	0.00	41.42	0.00	0.00	3653.24
1.2D + 1.0Di + 1.0Wi 50 mph Wind	9.7	0.00	89.24	0.00	0.00	1043.31
1.2D + 1.0E	2.1	0.00	55.29	0.00	0.00	256.02
0.9D + 1.0E	2.1	0.00	41.47	0.00	0.00	253.86
1.0D + 1.0W 60 mph Wind	7.5	0.00	46.07	0.00	0.00	808.31

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.6W 101 mph Wind	-55.25	-34.17	0.00	-3682.5	0.00	-3682.5	5580.79	2790.4	13771.9	6896.19	0.00	0.544
0.9D + 1.6W 101 mph Wind	-41.42	-34.15	0.00	-3653.2	0.00	-3653.2	5580.79	2790.4	13771.9	6896.19	0.00	0.537
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-89.24	-9.65	0.00	-1043.3	0.00	-1043.3	5580.79	2790.4	13771.9	6896.19	0.00	0.167
1.2D + 1.0E	-55.29	-2.14	0.00	-256.02	0.00	-256.02	5580.79	2790.4	13771.9	6896.19	0.00	0.047
0.9D + 1.0E	-41.47	-2.14	0.00	-253.86	0.00	-253.86	5580.79	2790.4	13771.9	6896.19	0.00	0.044
1.0D + 1.0W 60 mph Wind	-46.07	-7.53	0.00	-808.31	0.00	-808.31	5580.79	2790.4	13771.9	6896.19	0.00	0.125

Base Plate Summary

Structure:	CT13614-A-SB		**Code:**	EIA/TIA-222-G	7/28/2021
Site Name:	Knowlton		**Exposure:**	C	
Height:	149.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 29

Tower Engineering Solutions

Reactions	
Original Design	
Moment (kip-ft):	3739.40
Axial (kip):	55.50
Shear (kip):	28.20
Analysis (1.2D + 1.6W)	
Moment (kip-ft):	3682.51
Axial (kip):	55.25
Shear (kip):	34.17

Base Plate	
Yield (ksi):	60.00
Width (in):	68.00
Style:	Clipped
Polygon Sides:	4.00
Clip Length (in):	14.00
Effective Len (in):	9.47
Moment (kip-in):	506.81
Allow Stress (ksi):	81.00
Applied Stress (ksi):	35.64
Stress Ratio:	0.44

Anchor Bolts	
Bolt Circle:	68.00
Number Bolts:	20.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Clustered
Cluster Dist (in):	6.00
Start Angle (deg):	45.00
Compression	
Force (kip):	134.43
Allowable (kip):	260.00
Ratio:	0.53
Tension	
Force (kip):	125.51
Allowable (kip):	260.00
Ratio:	0.50

Monopole Mat Foundation Design

			Date: 7/28/2021
Customer Name:	Verizon	**EIA/TIA Standard:**	EIA-222-G
Site Name:		**Structure Height (Ft.):**	149
Site Number:	CT13614-A-SBA	**Engineer Name:**	J. Tibbetts
Engr. Number:	111818	**Engineer Login ID:**	

Foundation Info Obtained from: Mapping Operation

Structure Type: Monopole

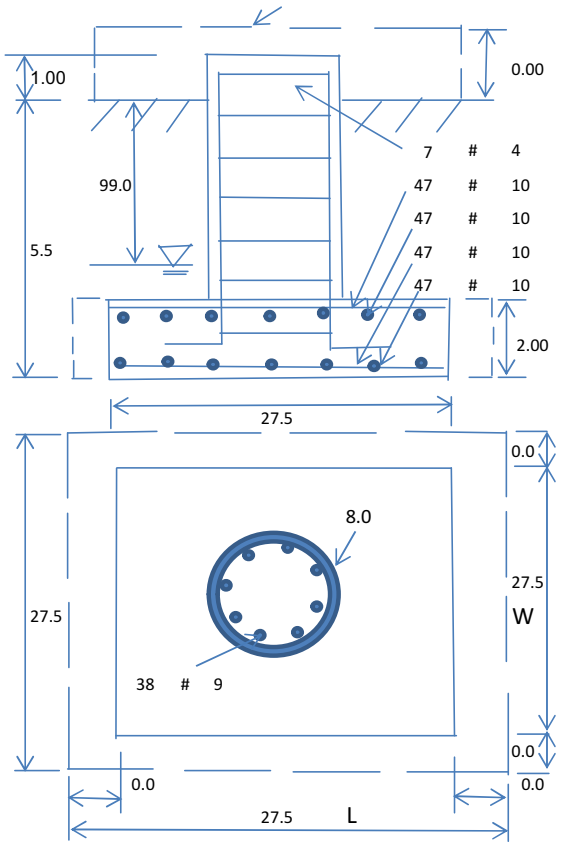
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	55.2	Shear Force (Kips):	34.2
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3682.5
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required- Yes/No ?:	No
Diameter of Pier (ft.):	8.0	Depth of Base BG (ft.):	5.5
Pier Height A. G. (ft.):	1.00	Thickness of Pad (ft):	2.00
Length of Pad (ft.):	27.5	Width of Pad (ft.):	27.5
Final Length of pad (ft)	27.5	Final width of pad (ft):	27.5



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	38	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	10	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	47	Qty. of Rebar in Pad (W):	47	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	47	Qty. of Rebar in Pad (W):	47	
Apply 1.35 factor for e/w Per G:	1.35			

Soil Design Parameters:

Soil Unit Weight (pcf):	120.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	21000	Ultimate Skin Friction:	425	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	Yes		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	Yes	Reduction factor on the maximum soil bearing pressure:			1.00	

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

Total Dry Soil Volume (cu. Ft.):	2470.95	Total Dry Soil Weight (Kips):	296.51
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	296.51	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1738.69	Total Dry Concrete Weight (Kips):	260.80
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	260.80	Total Vertical Load on Base (Kips):	612.52

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	1756	<	Allowable Factored Soil Bearing (psf):	15750	0.11	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	7655.8	>	Design Factored Momont (kips-ft):	3803	0.50	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	2.01	OK!				

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	0.75			
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:	1.00			
					Load/ Capacity Ratio	
(1) Concrete Pier:						
Vertical Steel Rebar Area (sq. in./each):	1.00		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	7455.7	>	Design Factored Moment (Mu, Kips-F	3836.4	0.51	OK!
Calculated Shear Capacity (Kips):	840.3	>	Design Factored Shear (Kips):	34.2	0.04	OK!
Calculated Tension Capacity (Tn, Kips):	2052.0	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	12730.0	>	Design Factored Axial Load (Pu Kips):	55.2	0.00	OK!
Moment & Axial Strength Combination:	0.51	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.005		Reinforcement Ratio is satisfied per ACI			
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	637.9	>	One-Way Factored Shear (L-D. Kips):	240.9	0.38	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	637.9	>	One-Way Factored Shear (W-D., Kips)	240.9	0.38	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	637.8	>	One-Way Factored Shear (C-C, Kips):	235.4	0.37	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0089	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0089		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	5044.1	>	Moment at Bottom (L-Dir. K-Ft):	1304.2	0.26	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	5044.1	>	Moment at Bottom (W-Dir. K-Ft):	1304.2	0.26	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	6976.5	>	Moment at Bottom (C-C Dir. K-Ft):	1844.4	0.26	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0089	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0089		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	5044.1	>	Moment at the top (L-Dir K-Ft):	561.0	0.11	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	5044.1	>	Moment at the top (W-Dir K-Ft):	561.0	0.11	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	6976.5	>	Moment at the top (C-C Dir. K-Ft):	527.1	0.08	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	1473.0	k-ft.	Max. factored shear stress v_{u_CD}:		1.1	Psi
Max. factored shear stress v_{u_AB}:	13.7	Psi	Factored shear Strengthϕv_n:		189.7	Psi
Max. factored shear stress v_u:	13.7	Psi	Check Usage of Punching Shear Capacity:		0.07	OK!

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Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10081961
Maser Consulting Connecticut Project #: 20777637A

June 25, 2021

Site Information	*Site ID:*	*469295-VZW / Ashford West 2 CT*
	Site Name:	*Ashford West 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*90 Knowlton Hill Road* *Ashford, Connecticut 06278* *Windham County*
	Latitude:	*41.840778°*
	Longitude:	*-72.207528°*
Structure Information	*Tower Type:*	*150.00-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 16272111

Analysis Results

Platform: **48.0% Pass**

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

Report Prepared By: Zachary Bandilla

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: 674832, dated May 26, 2021*
Mount Mapping Report	*Hudson Design Group LLC, Site ID: 469295, dated February 1, 2021*
Previous Mount Analysis	*Maser Consulting, Project #: 20777367A, Dated June 23, 2021*
Mount Modification Drawings	*Maser Consulting, Project #: 20777367A, Dated June 25, 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:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.976
Seismic Parameters:	S_S:	0.183
	S_1:	0.055
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
125.20	127.00	6	JMA Wireless	MX06FRO660-03	Added
		3	Samsung	MT6407-77A	
		3	Amphenol Antel	BXA-70063-6CF-4	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	

The recent mount mapping did not report existing OVP units. However, it is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required.

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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
Face Horizontal	*17.9 %*	*Pass*
Standoff Horizontal	*17.7 %*	*Pass*
Platform Crossmember	*15.4 %*	*Pass*
Mount Pipe	*48.0 %*	*Pass*
Corner Plate	*31.9 %*	*Pass*
Grating Support	*25.7 %*	*Pass*
Cross Arm Plate	*32.9 %*	*Pass*
MOD Dual Mount Pipe	*32.4 %*	*Pass*
MOD Support Rail	*25.1 %*	*Pass*
MOD Corner Plate	*33.2 %*	*Pass*
MOD Kicker	*8.4 %*	*Pass*
Connection Check	*23.2 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**48.0%**

Recommendation:

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

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

Attachments:

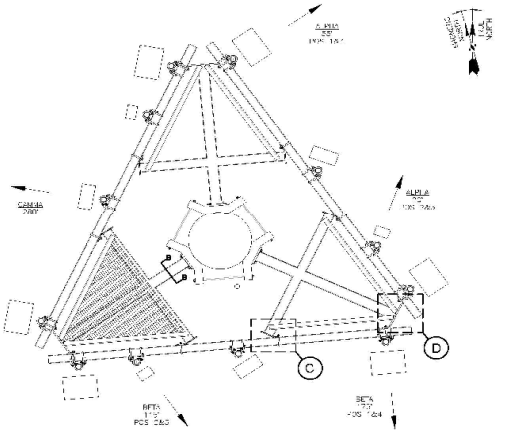
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter

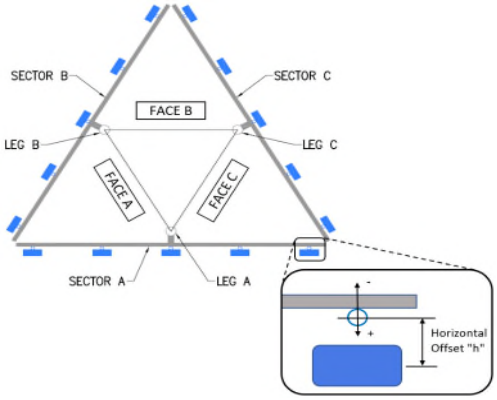
V3.0 Updated on 8-31-2020

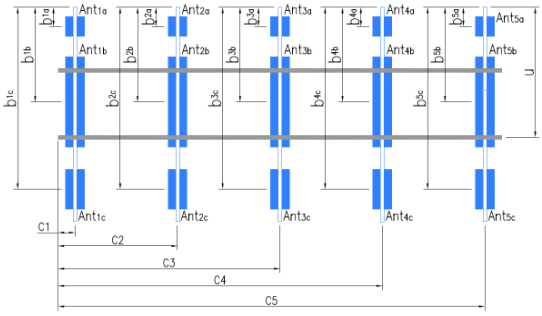
Antenna Mount Mapping Form (PATENT PENDING)

FCC # UNLISTED

Tower Owner:	SBA	**Mapping Date:**	2/1/2021
Site Name:	Ashford West 2 CT	**Tower Type:**	Monopole
Site Number or ID:	469295	**Tower Height (Ft.):**	150'
Mapping Contractor:	Hudson Design Group LLC	**Mount Elevation (Ft.):**	128.1







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" STD. x 6'	55.00	11.00	C1	PIPE 2" STD. x 6'	53.00	11.00
A2	PIPE 2" STD. x 6'	55.00	72.00	C2	PIPE 2" STD. x 6'	53.00	72.00
A3	PIPE 2" STD. x 6'	55.00	114.00	C3	PIPE 2" STD. x 6'	53.00	114.00
A4	PIPE 2" STD. x 6'	55.00	138.00	C4	PIPE 2" STD. x 6'	53.00	138.00
A5				C5			
A6				C6			
B1	PIPE 2" STD. x 6'	55.00	11.00	D1			
B2	PIPE 2" STD. x 6'	55.00	72.00	D2			
B3	PIPE 2" STD. x 6'	55.00	114.00	D3			
B4	PIPE 2" STD. x 6'	55.00	138.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
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.

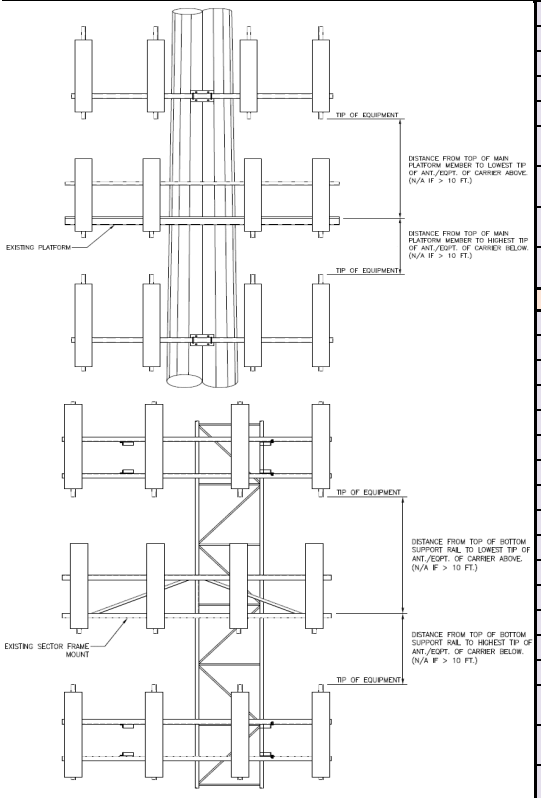
VZW IS BOTTOM MOST CARRIER

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	29

	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-80063-6CF-EDIN	14.00	15.00	71.00		128.1	55.00	15.00	55.00	126
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		128.1	55.00	8.00	20.00	127
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085-12CF-ED	6.00	4.00	71.00		128.1	55.00	7.50	20.00	128
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF-EDIN	14.00	15.00	71.00		128.1	55.00	15.00	55.00	128
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector		
Sector A:	55.00	Deg	Leg A:		Deg
Sector B:	175.00	Deg	Leg B:		Deg
Sector C:	295.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	175 magN	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.



Sector B										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF-EDIN	14.00	15.00	71.00		128.1	55.00	15.00	175.00	126
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		128.1	55.00	8.00	145.00	127
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085-12CF-ED	6.00	4.00	71.00		128.1	55.00	7.50	145.00	128
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF-EDIN	14.00	15.00	71.00		128.1	55.00	15.00	175.00	128
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	LPA-80063-6CF-EDIN	14.00	15.00	71.00		127.933	55.00	15.00	280.00	126
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN-	11.20	5.20	71.00		127.933	55.00	8.00	280.00	127
Ant_{2c}										
Ant_{3a}										
Ant_{3b}	BXA-171085-12CF-ED	6.00	4.00	71.00		127.933	55.00	7.50	280.00	128
Ant_{3c}										
Ant_{4a}										
Ant_{4b}	LPA-80063-6CF-EDIN	14.00	15.00	71.00		127.933	55.00	15.00	280.00	128
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	(12) 1-5/8"Ø COAX	15
2	SABRE MODEL#: 06-06307, TOWER HEIGHT: 150/180 FT MONO, LOCATION: ASHFORD CT, WALL THICKNESS: .367, .349, .364	17, 137
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.

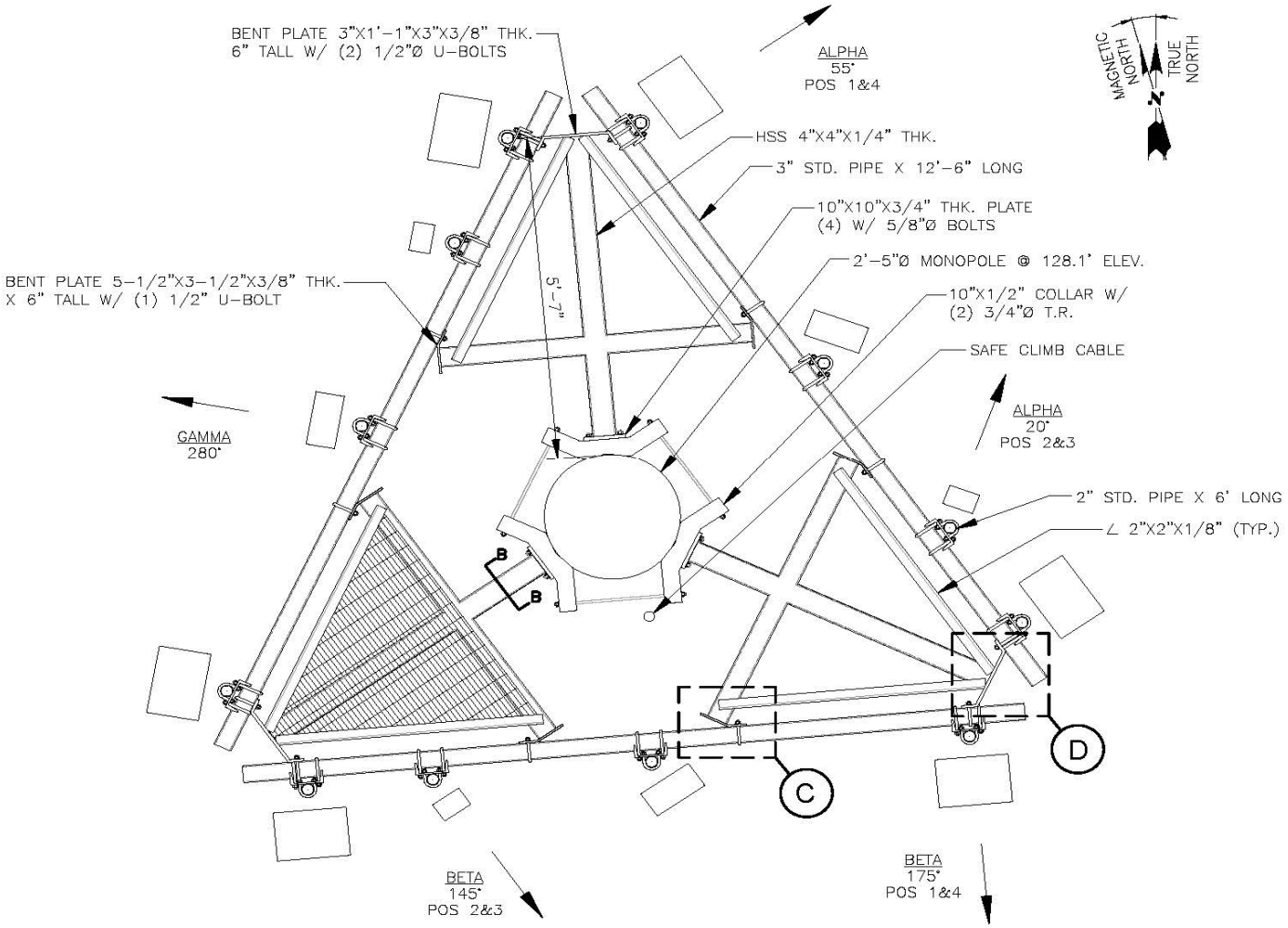
Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

Antenna Mount Mapping Form (PATENT PENDING)

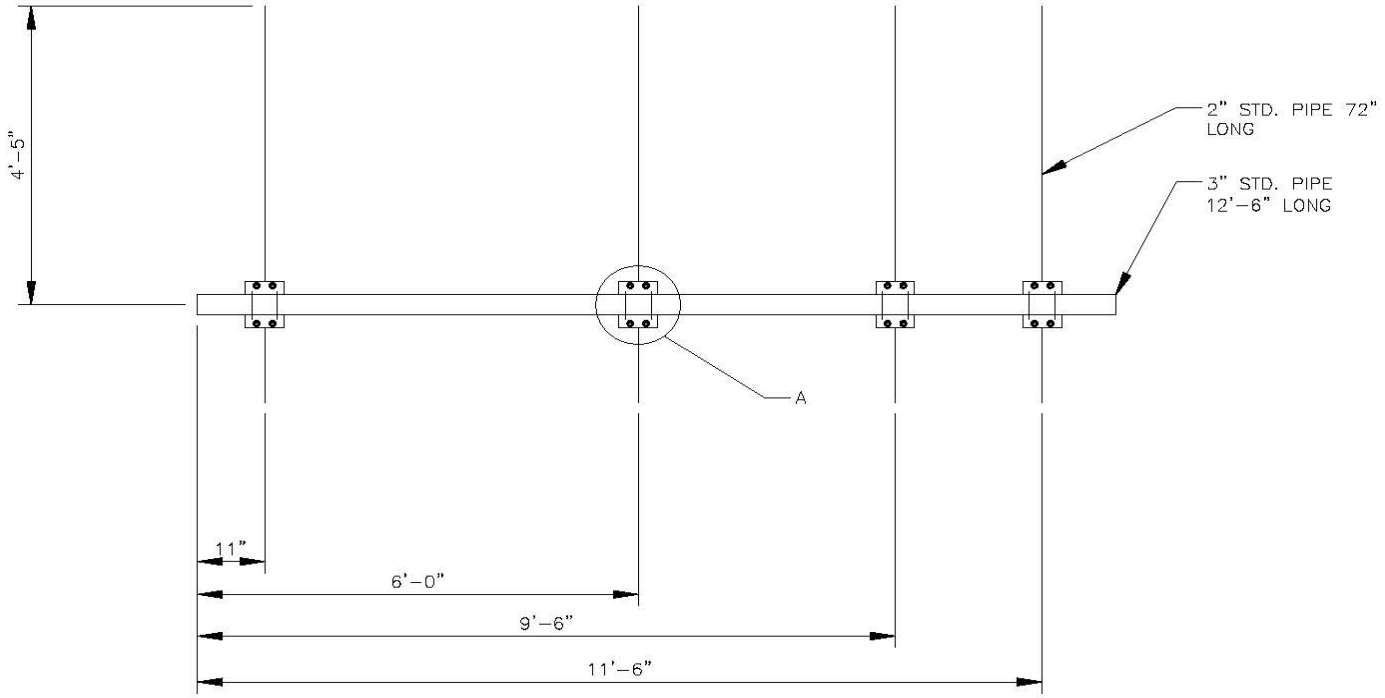
FCC # UNLISTED

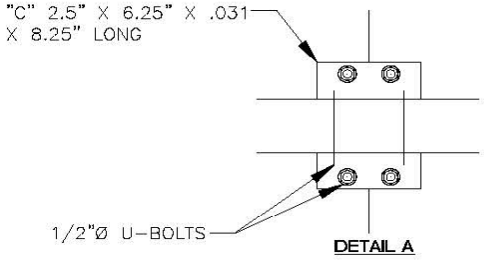
Tower Owner:	SBA	**Mapping Date:**	2/1/2021
Site Name:	Ashford West 2 CT	**Tower Type:**	Monopole
Site Number or ID:	469295	**Tower Height (Ft.):**	150'
Mapping Contractor:	Hudson Design Group LLC	**Mount Elevation (Ft.):**	128.1

Please Insert Sketches of the Antenna Mount

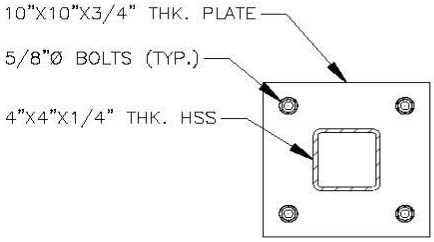


Please Insert Sketches of the Antenna Mount, cont'd

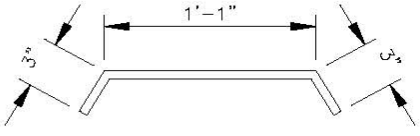




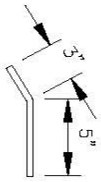
DETAIL A



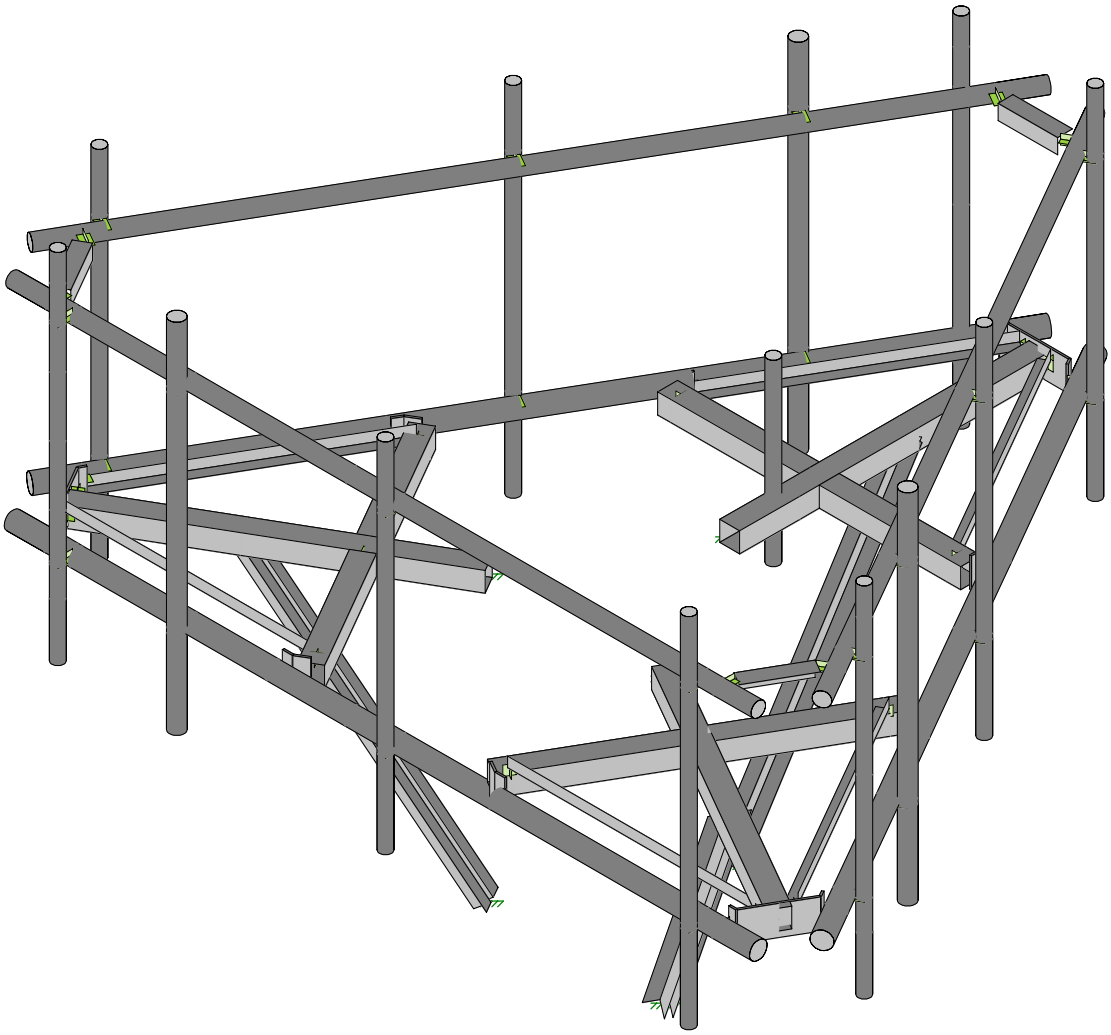
DETAIL B-B



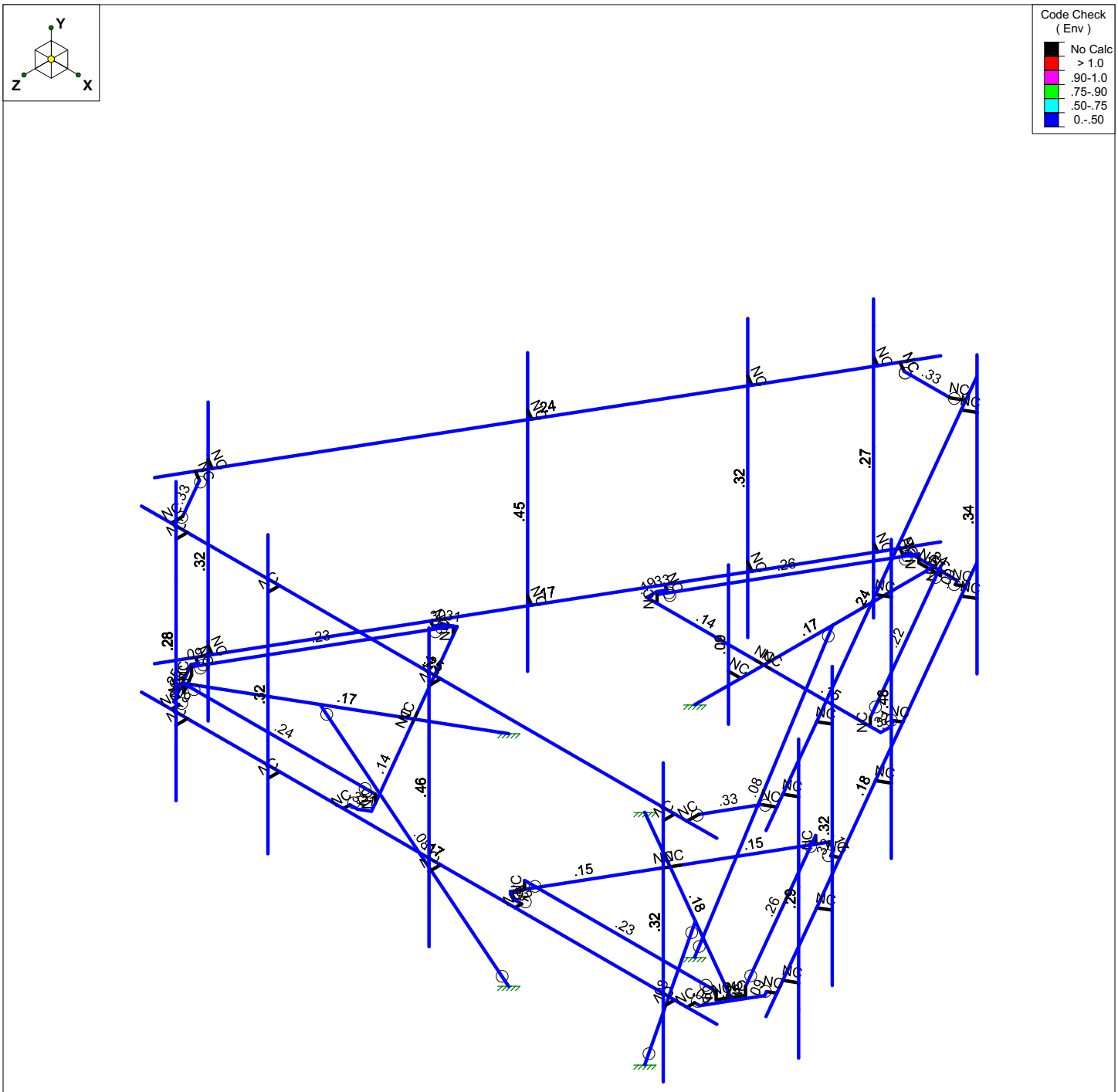
DETAIL C



DETAIL D

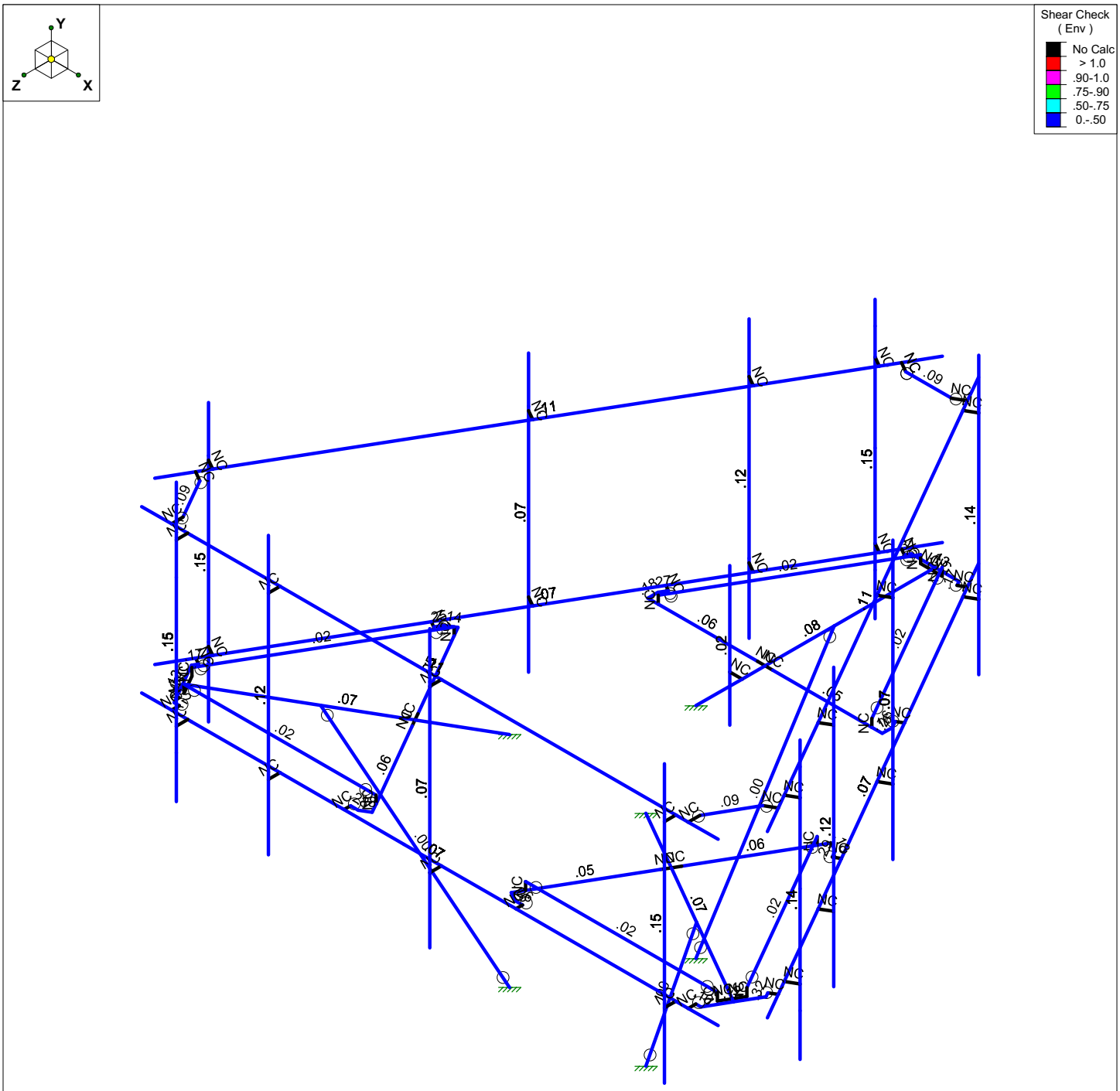


Maser Consulting	469295-VZW_MT_LO_H	SK - 1
AE		June 25, 2021 at 4:47 PM
Project No. 10081961		469295-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469295-VZW_MT_LO_H	SK - 2
AE		June 25, 2021 at 4:47 PM
Project No. 10081961		469295-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	469295-VZW_MT_LO_H	SK - 3
AE		June 25, 2021 at 4:48 PM
Project No. 10081961		469295-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					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 Deg)	None					93			
32	Antenna Wm (150 Deg)	None					93			
33	Antenna Wm (180 Deg)	None					93			
34	Antenna Wm (210 Deg)	None					93			
35	Antenna Wm (240 Deg)	None					93			
36	Antenna Wm (270 Deg)	None					93			
37	Antenna Wm (300 Deg)	None					93			
38	Antenna Wm (330 Deg)	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 D...	None						122		
46	Structure Wo (150 D...	None						122		
47	Structure Wo (180 D...	None						122		
48	Structure Wo (210 D...	None						122		
49	Structure Wo (240 D...	None						122		
50	Structure Wo (270 D...	None						122		
51	Structure Wo (300 D...	None						122		
52	Structure Wo (330 D...	None						122		
53	Structure Wi (0 Deg)	None						122		
54	Structure Wi (30 Deg)	None						122		
55	Structure Wi (60 Deg)	None						122		
56	Structure Wi (90 Deg)	None						122		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
57	Structure Wi (120 De...	None						122		
58	Structure Wi (150 De...	None						122		
59	Structure Wi (180 De...	None						122		
60	Structure Wi (210 De...	None						122		
61	Structure Wi (240 De...	None						122		
62	Structure Wi (270 De...	None						122		
63	Structure Wi (300 De...	None						122		
64	Structure Wi (330 De...	None						122		
65	Structure Wm (0 Deg)	None						122		
66	Structure Wm (30 De...	None						122		
67	Structure Wm (60 De...	None						122		
68	Structure Wm (90 De...	None						122		
69	Structure Wm (120 D...	None						122		
70	Structure Wm (150 D...	None						122		
71	Structure Wm (180 D...	None						122		
72	Structure Wm (210 D...	None						122		
73	Structure Wm (240 D...	None						122		
74	Structure Wm (270 D...	None						122		
75	Structure Wm (300 D...	None						122		
76	Structure Wm (330 D...	None						122		
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	P...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
1	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	3	1	41	1												
2	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	4	1	42	1												
3	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	5	1	43	1												
4	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	6	1	44	1												
5	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	7	1	45	1												
6	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	8	1	46	1												
7	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	9	1	47	1												
8	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	10	1	48	1												
9	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	11	1	49	1												
10	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	12	1	50	1												
11	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	13	1	51	1												
12	1.2D+1.0...	Yes	Y		1	1.2	39	1.2	14	1	52	1												
13	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1								
14	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1								
15	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										

Load Combinations (Continued)

	Description	Solve	P...	SR...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...	BLC	Fact...
27	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5...	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	Seismic M...		Y		1	1	39	1																
53	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	-1										
54	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	-.866										
55	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	-.5										
56	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	1	SY	1	SZ											
57	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.866	SY	1	SZ	.5										
58	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	.5	SY	1	SZ	.866										
59	1.2D + 1.0...		Y		1	1.2	39	1.2	SX		SY	1	SZ	1										
60	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	.866										
61	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	.5										
62	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-1	SY	1	SZ											
63	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.866	SY	1	SZ	-.5										
64	1.2D + 1.0...		Y		1	1.2	39	1.2	SX	-.5	SY	1	SZ	-.866										

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	4.060523	0	
2	N2	-6.25	0	4.060523	0	
3	N3	0	0	-1.708333	0	
4	N5	-2.541667	0	-3.208333	0	
5	N6	2.315104	0.166667	-3.208333	0	
6	N7	-2.315104	0.166667	-3.208333	0	
7	N8	5.333333	0	4.060523	0	
8	N9	5.333333	0	4.310523	0	
9	N22	5.333333	-1.416667	4.310523	0	
10	N23	5.333333	4.583333	4.310523	0	
11	N24	0	0	-3.208333	0	
12	N27	0	0	-6.895833	0	
13	CP	0	0	0	0	
14	N29	2.315104	0	-3.208333	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
15	N30	-2.315104	0	-3.208333	0	
16	N101	2.541667	0	-3.208333	0	
17	N102	-0.166667	0	-3.208333	0	
18	N103A	0.166667	0	-3.208333	0	
19	N104A	-2.541667	0	-3.427083	0	
20	N105	2.541667	0	-3.427083	0	
21	N131	2.458333	0	-3.571421	0	
22	N135	0.571615	0	-6.798857	0	
23	N144	-2.458333	0	-3.571421	0	
24	N148	-0.571615	0	-6.798857	0	
25	N86A	2.584629	0	-3.644338	0	
26	N86B	-2.584629	0	-3.644338	0	
27	N86C	-0.515625	0	-6.895833	0	
28	N87A	0.515625	0	-6.895833	0	
29	N86D	0.715429	0	-6.881888	0	
30	N86E	-0.715429	0	-6.881888	0	
31	N88A	0	0	-6.8125	0	
32	N87C	0.234238	0.166667	-6.8125	0	
33	N86G	0.234238	0	-6.8125	0	
34	N87B	-0.234238	0.166667	-6.8125	0	
35	N88C	-0.234238	0	-6.8125	0	
36	N109	-5.169162	0	4.060523	0	
37	N136	5.169162	0	4.060523	0	
38	N141A	5.333333	0.083333	4.310523	0	
39	N54	-1.47946	0	0.854167	0	
40	N55	-1.507665	0	3.805315	0	
41	N56	-3.93605	0.166667	-0.400772	0	
42	N57	-1.620946	0.166667	3.609106	0	
43	N58	-2.778498	0	1.604167	0	
44	N59	-5.971967	0	3.447917	0	
45	N61	-3.93605	0	-0.400772	0	
46	N62	-1.620946	0	3.609106	0	
47	N63	-4.049332	0	-0.596981	0	
48	N64	-2.695165	0	1.748504	0	
49	N65	-2.861832	0	1.459829	0	
50	N66	-1.697108	0	3.91469	0	
51	N67	-4.238775	0	-0.487606	0	
52	N68	-4.322108	0	-0.343269	0	
53	N69	-6.17379	0	2.904396	0	
54	N70	-1.863775	0	3.91469	0	
55	N71	-5.602175	0	3.894461	0	
56	N72	-4.448404	0	-0.416185	0	
57	N74	-5.714154	0	3.894461	0	
58	N75	-6.229779	0	3.001372	0	
59	N76	-6.317604	0	2.821364	0	
60	N77	-5.602175	0	4.060523	0	
61	N78	-5.899798	0	3.40625	0	
62	N79	-6.016917	0.166667	3.203394	0	
63	N80	-6.016917	0	3.203394	0	
64	N81	-5.782679	0.166667	3.609106	0	
65	N82	-5.782679	0	3.609106	0	
66	N83	1.47946	0	0.854167	0	
67	N84	4.049332	0	-0.596981	0	
68	N85	1.620946	0.166667	3.609106	0	
69	N86	3.93605	0.166667	-0.400772	0	
70	N87	2.778498	0	1.604167	0	
71	N88	5.971967	0	3.447917	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
72	N90	1.620946	0	3.609106	0	
73	N91	3.93605	0	-0.400772	0	
74	N92	1.507665	0	3.805315	0	
75	N93	2.861832	0	1.459829	0	
76	N94	2.695165	0	1.748504	0	
77	N95	4.238775	0	-0.487606	0	
78	N96	1.697108	0	3.91469	0	
79	N97	1.863775	0	3.91469	0	
80	N98	5.602175	0	3.894461	0	
81	N99	4.322108	0	-0.343269	0	
82	N100	6.17379	0	2.904396	0	
83	N101A	1.863775	0	4.060523	0	
84	N102A	4.448404	0	-0.416186	0	
85	N103	6.229779	0	3.001372	0	
86	N104	5.714154	0	3.894461	0	
87	N105A	5.602175	0	4.060523	0	
88	N106	6.317604	0	2.821364	0	
89	N107	5.899798	0	3.40625	0	
90	N108	5.782679	0.166667	3.609106	0	
91	N109A	5.782679	0	3.609106	0	
92	N110	6.016917	0.166667	3.203394	0	
93	N111	6.016917	0	3.203394	0	
94	N94A	0.25	0	4.060523	0	
95	N95A	0.25	0	4.310523	0	
96	N96A	0.25	-1.416667	4.310523	0	
97	N97A	0.25	4.583333	4.310523	0	
98	N98A	0.25	0.083333	4.310523	0	
99	N99A	-3.25	0	4.060523	0	
100	N100A	-3.25	0	4.310523	0	
101	N101B	-3.25	-1.416667	4.310523	0	
102	N102B	-3.25	4.583333	4.310523	0	
103	N103B	-3.25	0.083333	4.310523	0	
104	N104B	-5.25	0	4.060523	0	
105	N105B	-5.25	0	4.310523	0	
106	N106A	-5.25	-1.416667	4.310523	0	
107	N107A	-5.25	4.583333	4.310523	0	
108	N109B	-5.25	4.083333	4.310523	0	
109	N110A	-5.25	-.5	4.310523	0	
110	N110B	-5.25	1.791667	4.310523	0	
111	N111A	0.391516	0	-7.44292	0	
112	N112	6.641516	0	3.382397	0	
113	N113	0.84985	0	-6.649064	0	
114	N114	1.066356	0	-6.774064	0	
115	N115	1.066356	-1.416667	-6.774064	0	
116	N116	1.066356	4.583333	-6.774064	0	
117	N118	1.066356	0.083333	-6.774064	0	
118	N119	3.391516	0	-2.246768	0	
119	N120	3.608023	0	-2.371768	0	
120	N121	3.608023	-1.416667	-2.371768	0	
121	N122	3.608023	4.583333	-2.371768	0	
122	N123	3.608023	0.083333	-2.371768	0	
123	N124	5.141516	0	0.784321	0	
124	N125	5.358023	0	0.659321	0	
125	N126	5.358023	-1.416667	0.659321	0	
126	N127	5.358023	4.583333	0.659321	0	
127	N128	5.358023	0.083333	0.659321	0	
128	N129	6.141516	0	2.516372	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
129	N130	6.358023	0	2.391372	0	
130	N131A	6.358023	-1.416667	2.391372	0	
131	N132	6.358023	4.583333	2.391372	0	
132	N133	6.358023	4.083333	2.391372	0	
133	N134	6.358023	-.5	2.391372	0	
134	N135A	6.358023	1.791667	2.391372	0	
135	N136A	-6.641516	0	3.382397	0	
136	N137	-0.391516	0	-7.44292	0	
137	N138	-6.183183	0	2.588541	0	
138	N139	-6.399689	0	2.463541	0	
139	N140	-6.399689	-1.416667	2.463541	0	
140	N141	-6.399689	4.583333	2.463541	0	
141	N143	-6.399689	0.083333	2.463541	0	
142	N144A	-3.641516	0	-1.813755	0	
143	N145	-3.858023	0	-1.938755	0	
144	N146	-3.858023	-1.416667	-1.938755	0	
145	N147	-3.858023	4.583333	-1.938755	0	
146	N148A	-3.858023	0.083333	-1.938755	0	
147	N149	-1.891516	0	-4.844844	0	
148	N150	-2.108023	0	-4.969844	0	
149	N151	-2.108023	-1.416667	-4.969844	0	
150	N152	-2.108023	4.583333	-4.969844	0	
151	N153	-2.108023	0.083333	-4.969844	0	
152	N154	-0.891516	0	-6.576895	0	
153	N155	-1.108023	0	-6.701895	0	
154	N156	-1.108023	-1.416667	-6.701895	0	
155	N157	-1.108023	4.583333	-6.701895	0	
156	N158	-1.108023	4.083333	-6.701895	0	
157	N159	-1.108023	-.5	-6.701895	0	
158	N160	-1.108023	1.791667	-6.701895	0	
159	N159A	0	0	-2.708333	0	
160	N160A	-0.266667	0	-2.708333	0	
161	N161	-0.266667	-1	-2.708333	0	
162	N162	-0.266667	2	-2.708333	0	
163	N164	-1.863775	0	4.060523	0	
164	N164A	-5.25	3.541667	4.310523	0	
165	N165	-5.25	0.041667	4.310523	0	
166	N166	-5.25	2.791667	4.310523	0	
167	N167	-5.25	0.791667	4.310523	0	
168	N168	-0.558333	0	4.060523	0	
169	N169	-1.891667	0	4.060523	0	
170	N170	6.25	3.5	4.060523	0	
171	N171	-6.25	3.5	4.060523	0	
172	N172	5.333333	3.5	4.060523	0	
173	N173	5.333333	3.5	4.310523	0	
174	N174	-0.571615	3.5	-6.798857	0	
175	N175	0.715429	3.5	-6.881888	0	
176	N176	-5.169162	3.5	4.060523	0	
177	N177	5.333333	3.583333	4.310523	0	
178	N178	-6.317604	3.5	2.821364	0	
179	N179	5.602175	3.5	4.060523	0	
180	N180	6.317604	3.5	2.821364	0	
181	N181	0.25	3.5	4.060523	0	
182	N182	0.25	3.5	4.310523	0	
183	N183	0.25	3.583333	4.310523	0	
184	N184	-3.25	3.5	4.060523	0	
185	N185	-3.25	3.5	4.310523	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
186	N186	-3.25	3.583333	4.310523	0	
187	N187	-5.25	3.5	4.060523	0	
188	N188	-5.25	3.5	4.310523	0	
189	N189	0.391516	3.5	-7.44292	0	
190	N190	6.641516	3.5	3.382397	0	
191	N191	0.84985	3.5	-6.649064	0	
192	N192	1.066356	3.5	-6.774064	0	
193	N193	1.066356	3.583333	-6.774064	0	
194	N194	3.391516	3.5	-2.246768	0	
195	N195	3.608023	3.5	-2.371768	0	
196	N196	3.608023	3.583333	-2.371768	0	
197	N197	5.141516	3.5	0.784321	0	
198	N198	5.358023	3.5	0.659321	0	
199	N199	5.358023	3.583333	0.659321	0	
200	N200	6.141516	3.5	2.516372	0	
201	N201	6.358023	3.5	2.391372	0	
202	N202	-6.641516	3.5	3.382397	0	
203	N203	-0.391516	3.5	-7.44292	0	
204	N204	-6.183183	3.5	2.588541	0	
205	N205	-6.399689	3.5	2.463541	0	
206	N206	-6.399689	3.583333	2.463541	0	
207	N207	-3.641516	3.5	-1.813755	0	
208	N208	-3.858023	3.5	-1.938755	0	
209	N209	-3.858023	3.583333	-1.938755	0	
210	N210	-1.891516	3.5	-4.844844	0	
211	N211	-2.108023	3.5	-4.969844	0	
212	N212	-2.108023	3.583333	-4.969844	0	
213	N213	-0.891516	3.5	-6.576895	0	
214	N214	-1.108023	3.5	-6.701895	0	
215	N216	-0.558333	3.5	4.060523	0	
216	N216A	-5.602175	3.5	4.060523	0	
217	N217	5.602175	3.5	3.810523	0	
218	N220	-5.602158	3.5	3.810523	0	
219	N222	0.498922	3.5	-6.756888	0	
220	N223	6.101089	3.5	2.94635	0	
221	N226	-0.715429	3.5	-6.881888	0	
222	N227	-6.101098	3.5	2.946364	0	
223	N228	-0.498931	3.5	-6.756873	0	
224	N224	0	-4.75	-1.708333	0	
225	N225	-1.47946	-4.75	0.854167	0	
226	N226A	1.47946	-4.75	0.854167	0	
227	N227A	0	0	-4.708333	0	
228	N230	-4.077536	0	2.354167	0	
229	N233	4.077536	0	2.354167	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	MOD_Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
3	Standoff Horizontal	HSS4X4X4	Beam	SquareT...	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Corner Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
5	Platform Crossmember	HSS4X4X4	Beam	SquareT...	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
6	Grating Support	L2x2x2	Beam	Single A...	A36 Gr.36	Typical	.491	.189	.189	.003
7	MOD_Kicker	LL3x3x3x3	Beam	Single A...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
8	MOD_Corner Plate	L3X3X4	Beam	Single A...	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Section Sets (Continued)

	Label	Shape	Type	Design L...	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
9	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
10	MOD_Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	12.5			Lbyy						Lateral
2	M4	Standoff Ho...	5.188			Lbyy						Lateral
3	M10	Platform Cr...	2.375			Lbyy						Lateral
4	MP1A	Mount Pipe	6			Lbyy						Lateral
5	M43	Platform Cr...	2.375			Lbyy						Lateral
6	M46	Corner Plate	1.031			Lbyy						Lateral
7	M51B	Grating Sup...	4.162			Lbyy						Lateral
8	M52B	Grating Sup...	4.162			Lbyy						Lateral
9	M76	Cross Arm ...	.219									Lateral
10	M77	Cross Arm ...	.167									Lateral
11	M80	Corner Plate	.112			Lbyy						Lateral
12	M84	Cross Arm ...	.219									Lateral
13	M85	Cross Arm ...	.167									Lateral
14	M91	Corner Plate	.112			Lbyy						Lateral
15	M34	Standoff Ho...	5.188			Lbyy						Lateral
16	M35	Platform Cr...	2.375			Lbyy						Lateral
17	M36	Platform Cr...	2.375			Lbyy						Lateral
18	M37	Corner Plate	1.031			Lbyy						Lateral
19	M40	Grating Sup...	4.162			Lbyy						Lateral
20	M41	Grating Sup...	4.162			Lbyy						Lateral
21	M45	Cross Arm ...	.219									Lateral
22	M46A	Cross Arm ...	.167									Lateral
23	M48	Corner Plate	.112			Lbyy						Lateral
24	M50A	Cross Arm ...	.219									Lateral
25	M51C	Cross Arm ...	.167									Lateral
26	M53	Corner Plate	.112			Lbyy						Lateral
27	M58A	Standoff Ho...	5.187			Lbyy						Lateral
28	M59A	Platform Cr...	2.375			Lbyy						Lateral
29	M60	Platform Cr...	2.375			Lbyy						Lateral
30	M61	Corner Plate	1.031			Lbyy						Lateral
31	M64	Grating Sup...	4.162			Lbyy						Lateral
32	M65	Grating Sup...	4.162			Lbyy						Lateral
33	M69	Cross Arm ...	.219									Lateral
34	M70	Cross Arm ...	.167									Lateral
35	M72	Corner Plate	.112			Lbyy						Lateral
36	M74	Cross Arm ...	.219									Lateral
37	M75	Cross Arm ...	.167									Lateral
38	M77A	Corner Plate	.112			Lbyy						Lateral
39	MP2A	Mount Pipe	6			Lbyy						Lateral
40	MP3A	MOD_Dual ...	6			Lbyy						Lateral
41	MP4A	Mount Pipe	6			Lbyy						Lateral
42	M81A	Face Horizo...	12.5			Lbyy						Lateral
43	MP1C	Mount Pipe	6			Lbyy						Lateral
44	MP2C	Mount Pipe	6			Lbyy						Lateral
45	MP3C	MOD_Dual ...	6			Lbyy						Lateral
46	MP4C	Mount Pipe	6			Lbyy						Lateral
47	M90	Face Horizo...	12.5			Lbyy						Lateral
48	MP1B	Mount Pipe	6			Lbyy						Lateral
49	MP2B	Mount Pipe	6			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
50	MP3B	MOD_Dual ...	6			Lbyy						Lateral
51	MP4B	Mount Pipe	6			Lbyy						Lateral
52	M100	Mount Pipe	3									Lateral
53	M102	MOD_Supp...	12.5			Lbyy						Lateral
54	M107	MOD_Supp...	12.5			Lbyy						Lateral
55	M112	MOD_Supp...	12.5			Lbyy						Lateral
56	M123	MOD_Corn...	.998			Lbyy						Lateral
57	M124	MOD_Corn...	.998			Lbyy						Lateral
58	M125	MOD_Corn...	.998			Lbyy						Lateral
59	M126	MOD_Kicker	5.618			Lbyy						Lateral
60	M127	MOD_Kicker	5.618			Lbyy						Lateral
61	M128	MOD_Kicker	5.618			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N2	N1			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	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
6	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
7	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
8	M35A	N7	N30			RIGID	None	None	RIGID	Typical
9	M36A	N6	N29			RIGID	None	None	RIGID	Typical
10	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
11	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
12	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
13	M58	N102	N24			RIGID	None	None	RIGID	Typical
14	M59	N24	N103A			RIGID	None	None	RIGID	Typical
15	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
16	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
17	M79	N131	N86A			RIGID	None	None	RIGID	Typical
18	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
19	M83	N135	N86D			RIGID	None	None	RIGID	Typical
20	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M88	N144	N86B			RIGID	None	None	RIGID	Typical
23	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
24	M92	N148	N86E			RIGID	None	None	RIGID	Typical
25	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
26	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
27	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
28	M34	N54	N59			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
29	M35	N63	N65			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
30	M36	N64	N55			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
31	M37	N74	N75			Corner Plate	Beam	BAR	A36 Gr.36	Typical
32	M38	N57	N62		240	RIGID	None	None	RIGID	Typical
33	M39	N56	N61		240	RIGID	None	None	RIGID	Typical
34	M40	N79	N56			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
35	M41	N57	N81			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
36	M42	N81	N82		240	RIGID	None	None	RIGID	Typical
37	M43A	N64	N58			RIGID	None	None	RIGID	Typical
38	M44	N58	N65			RIGID	None	None	RIGID	Typical
39	M45	N63	N67			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
40	M46A	N67	N68			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
41	M47	N68	N72			RIGID	None	None	RIGID	Typical
42	M48	N75	N69			Corner Plate	Beam	BAR	A36 Gr.36	Typical
43	M49	N69	N76			RIGID	None	None	RIGID	Typical
44	M50A	N55	N66			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M51C	N66	N70			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M53	N74	N71			Corner Plate	Beam	BAR	A36 Gr.36	Typical
47	M54	N71	N77			RIGID	None	None	RIGID	Typical
48	M55	N82	N78			RIGID	None	None	RIGID	Typical
49	M56	N78	N80			RIGID	None	None	RIGID	Typical
50	M57	N79	N80		240	RIGID	None	None	RIGID	Typical
51	M58A	N83	N88			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
52	M59A	N92	N94			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
53	M60	N93	N84			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
54	M61	N103	N104			Corner Plate	Beam	BAR	A36 Gr.36	Typical
55	M62	N86	N91		120	RIGID	None	None	RIGID	Typical
56	M63	N85	N90		120	RIGID	None	None	RIGID	Typical
57	M64	N108	N85			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
58	M65	N86	N110			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
59	M66	N110	N111		120	RIGID	None	None	RIGID	Typical
60	M67	N93	N87			RIGID	None	None	RIGID	Typical
61	M68	N87	N94			RIGID	None	None	RIGID	Typical
62	M69	N92	N96			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
63	M70	N96	N97			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
64	M71	N97	N101A			RIGID	None	None	RIGID	Typical
65	M72	N104	N98			Corner Plate	Beam	BAR	A36 Gr.36	Typical
66	M73	N98	N105A			RIGID	None	None	RIGID	Typical
67	M74	N84	N95			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M75	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
69	M76A	N99	N102A			RIGID	None	None	RIGID	Typical
70	M77A	N103	N100			Corner Plate	Beam	BAR	A36 Gr.36	Typical
71	M78	N100	N106			RIGID	None	None	RIGID	Typical
72	M79A	N111	N107			RIGID	None	None	RIGID	Typical
73	M80A	N107	N109A			RIGID	None	None	RIGID	Typical
74	M81	N108	N109A		120	RIGID	None	None	RIGID	Typical
75	M75A	N94A	N95A			RIGID	None	None	RIGID	Typical
76	MP2A	N97A	N96A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
77	M77B	N99A	N100A			RIGID	None	None	RIGID	Typical
78	MP3A	N102B	N101B			MOD_Dual Mo...	Column	Pipe	A53 Gr.B	Typical
79	M79B	N104B	N105B			RIGID	None	None	RIGID	Typical
80	MP4A	N107A	N106A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	M81A	N111A	N112			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
82	M82	N113	N114			RIGID	None	None	RIGID	Typical
83	MP1C	N116	N115		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M84A	N119	N120			RIGID	None	None	RIGID	Typical
85	MP2C	N122	N121		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M86	N124	N125			RIGID	None	None	RIGID	Typical
87	MP3C	N127	N126		240	MOD_Dual Mo...	Column	Pipe	A53 Gr.B	Typical
88	M88A	N129	N130			RIGID	None	None	RIGID	Typical
89	MP4C	N132	N131A		240	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M90	N136A	N137			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
91	M91A	N138	N139			RIGID	None	None	RIGID	Typical
92	MP1B	N141	N140		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
93	M93	N144A	N145			RIGID	None	None	RIGID	Typical
94	MP2B	N147	N146		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	M95	N149	N150			RIGID	None	None	RIGID	Typical
96	MP3B	N152	N151		120	MOD_Dual Mo...	Column	Pipe	A53 Gr.B	Typical
97	M97	N154	N155			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
98	MP4B	N157	N156		120	Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	M99	N159A	N160A			RIGID	None	None	RIGID	Typical
100	M100	N162	N161			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
101	M101	N70	N164			RIGID	None	None	RIGID	Typical
102	M102	N171	N170			MOD_Support ...	Beam	Pipe	A53 Gr.B	Typical
103	M103	N172	N173			RIGID	None	None	RIGID	Typical
104	M104	N181	N182			RIGID	None	None	RIGID	Typical
105	M105	N184	N185			RIGID	None	None	RIGID	Typical
106	M106	N187	N188			RIGID	None	None	RIGID	Typical
107	M107	N189	N190			MOD_Support ...	Beam	Pipe	A53 Gr.B	Typical
108	M108	N191	N192			RIGID	None	None	RIGID	Typical
109	M109	N194	N195			RIGID	None	None	RIGID	Typical
110	M110	N197	N198			RIGID	None	None	RIGID	Typical
111	M111	N200	N201			RIGID	None	None	RIGID	Typical
112	M112	N202	N203			MOD_Support ...	Beam	Pipe	A53 Gr.B	Typical
113	M113	N204	N205			RIGID	None	None	RIGID	Typical
114	M114	N207	N208			RIGID	None	None	RIGID	Typical
115	M115	N210	N211			RIGID	None	None	RIGID	Typical
116	M116	N213	N214			RIGID	None	None	RIGID	Typical
117	M117	N179	N217			RIGID	None	None	RIGID	Typical
118	M118	N216A	N220			RIGID	None	None	RIGID	Typical
119	M119	N175	N222			RIGID	None	None	RIGID	Typical
120	M120	N180	N223			RIGID	None	None	RIGID	Typical
121	M121	N178	N227			RIGID	None	None	RIGID	Typical
122	M122	N226	N228			RIGID	None	None	RIGID	Typical
123	M123	N220	N227		180	MOD_Corner ...	Beam	Single Angle	A36 Gr.36	Typical
124	M124	N223	N217		180	MOD_Corner ...	Beam	Single Angle	A36 Gr.36	Typical
125	M125	N228	N222		180	MOD_Corner ...	Beam	Single Angle	A36 Gr.36	Typical
126	M126	N227A	N224			MOD_Kicker	Beam	Single Angle	A36 Gr.36	Typical
127	M127	N230	N225			MOD_Kicker	Beam	Single Angle	A36 Gr.36	Typical
128	M128	N233	N226A			MOD_Kicker	Beam	Single Angle	A36 Gr.36	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	MP1A						Yes	** NA **			None
6	M43						Yes	Default			None
7	M46						Yes	Default			None
8	M35A						Yes	** NA **			None
9	M36A						Yes	** NA **			None
10	M51B	OOOOOX	OOOOOX				Yes	Default			None
11	M52B	OOOOOX	OOOOOX				Yes	Default			None
12	M52						Yes	** NA **			None
13	M58						Yes	** NA **			None
14	M59						Yes	** NA **			None
15	M76						Yes	** NA **			None
16	M77						Yes	** NA **			None
17	M79		BenPIN				Yes	** NA **			None
18	M80						Yes				None
19	M83		BenPIN				Yes	** NA **			None
20	M84						Yes	** NA **			None
21	M85						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...
22	M88		BenPIN				Yes	** NA **			None
23	M91						Yes				None
24	M92		BenPIN				Yes	** NA **			None
25	M50						Yes	** NA **			None
26	M51						Yes	** NA **			None
27	M51A						Yes	** NA **			None
28	M34						Yes				None
29	M35						Yes	Default			None
30	M36						Yes	Default			None
31	M37						Yes	Default			None
32	M38						Yes	** NA **			None
33	M39						Yes	** NA **			None
34	M40	OOOOOX	OOOOOX				Yes	Default			None
35	M41	OOOOOX	OOOOOX				Yes	Default			None
36	M42						Yes	** NA **			None
37	M43A						Yes	** NA **			None
38	M44						Yes	** NA **			None
39	M45						Yes	** NA **			None
40	M46A						Yes	** NA **			None
41	M47		BenPIN				Yes	** NA **			None
42	M48						Yes				None
43	M49		BenPIN				Yes	** NA **			None
44	M50A						Yes	** NA **			None
45	M51C						Yes	** NA **			None
46	M53						Yes				None
47	M54		BenPIN				Yes	** NA **			None
48	M55						Yes	** NA **			None
49	M56						Yes	** NA **			None
50	M57						Yes	** NA **			None
51	M58A						Yes				None
52	M59A						Yes	Default			None
53	M60						Yes	Default			None
54	M61						Yes	Default			None
55	M62						Yes	** NA **			None
56	M63						Yes	** NA **			None
57	M64	OOOOOX	OOOOOX				Yes	Default			None
58	M65	OOOOOX	OOOOOX				Yes	Default			None
59	M66						Yes	** NA **			None
60	M67						Yes	** NA **			None
61	M68						Yes	** NA **			None
62	M69						Yes	** NA **			None
63	M70						Yes	** NA **			None
64	M71		BenPIN				Yes	** NA **			None
65	M72						Yes				None
66	M73		BenPIN				Yes	** NA **			None
67	M74						Yes	** NA **			None
68	M75						Yes	** NA **			None
69	M76A		BenPIN				Yes	** NA **			None
70	M77A						Yes				None
71	M78		BenPIN				Yes	** NA **			None
72	M79A						Yes	** NA **			None
73	M80A						Yes	** NA **			None
74	M81						Yes	** NA **			None
75	M75A						Yes	** NA **			None
76	MP2A						Yes	** NA **			None
77	M77B						Yes	** NA **			None
78	MP3A						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...
79	M79B						Yes	** NA **			None
80	MP4A						Yes	** NA **			None
81	M81A						Yes	Default			None
82	M82						Yes	** NA **			None
83	MP1C						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	MP2C						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	MP3C						Yes	** NA **			None
88	M88A						Yes	** NA **			None
89	MP4C						Yes	** NA **			None
90	M90						Yes	Default			None
91	M91A						Yes	** NA **			None
92	MP1B						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	MP2B						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP3B						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	MP4B						Yes	** NA **			None
99	M99						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101		BenPIN				Yes	** NA **			None
102	M102						Yes	Default			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	Default			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	Default			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117	OOOOOX					Yes	** NA **			None
118	M118	OOOOOX					Yes	** NA **			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						Yes				None
124	M124						Yes				None
125	M125						Yes				None
126	M126	BenPIN	BenPIN				Yes				None
127	M127	BenPIN	BenPIN				Yes				None
128	M128	BenPIN	BenPIN				Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-23	.5
2	MP3A	My	-.021	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mz	.016	.5
4	MP3A	Y	-23	5.08
5	MP3A	My	-.021	5.08
6	MP3A	Mz	.016	5.08
7	MP3B	Y	-23	.5
8	MP3B	My	.000338	.5
9	MP3B	Mz	-.027	.5
10	MP3B	Y	-23	5.08
11	MP3B	My	.000338	5.08
12	MP3B	Mz	-.027	5.08
13	MP3C	Y	-23	.5
14	MP3C	My	.017	.5
15	MP3C	Mz	.021	.5
16	MP3C	Y	-23	5.08
17	MP3C	My	.017	5.08
18	MP3C	Mz	.021	5.08
19	MP3A	Y	-23	.5
20	MP3A	My	-.021	.5
21	MP3A	Mz	-.016	.5
22	MP3A	Y	-23	5.08
23	MP3A	My	-.021	5.08
24	MP3A	Mz	-.016	5.08
25	MP3B	Y	-23	.5
26	MP3B	My	.027	.5
27	MP3B	Mz	-.005	.5
28	MP3B	Y	-23	5.08
29	MP3B	My	.027	5.08
30	MP3B	Mz	-.005	5.08
31	MP3C	Y	-23	.5
32	MP3C	My	-.017	.5
33	MP3C	Mz	.021	.5
34	MP3C	Y	-23	5.08
35	MP3C	My	-.017	5.08
36	MP3C	Mz	.021	5.08
37	MP1A	Y	-43.55	1.79
38	MP1A	My	-.022	1.79
39	MP1A	Mz	0	1.79
40	MP1A	Y	-43.55	3.79
41	MP1A	My	-.022	3.79
42	MP1A	Mz	0	3.79
43	MP1B	Y	-43.55	1.79
44	MP1B	My	.014	1.79
45	MP1B	Mz	-.017	1.79
46	MP1B	Y	-43.55	3.79
47	MP1B	My	.014	3.79
48	MP1B	Mz	-.017	3.79
49	MP1C	Y	-43.55	1.79
50	MP1C	My	0	1.79
51	MP1C	Mz	.022	1.79
52	MP1C	Y	-43.55	3.79
53	MP1C	My	0	3.79
54	MP1C	Mz	.022	3.79
55	MP2A	Y	-84.4	2.79
56	MP2A	My	.042	2.79
57	MP2A	Mz	0	2.79
58	MP2B	Y	-84.4	2.79
59	MP2B	My	-.027	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mz	.032	2.79
61	MP2C	Y	-84.4	2.79
62	MP2C	My	0	2.79
63	MP2C	Mz	-.042	2.79
64	MP3A	Y	-70.3	2.79
65	MP3A	My	.035	2.79
66	MP3A	Mz	0	2.79
67	MP3B	Y	-70.3	2.79
68	MP3B	My	.035	2.79
69	MP3B	Mz	0	2.79
70	MP3C	Y	-70.3	2.79
71	MP3C	My	.035	2.79
72	MP3C	Mz	0	2.79
73	M100	Y	-32	1
74	M100	My	0	1
75	M100	Mz	0	1
76	MP4A	Y	-8.5	.5
77	MP4A	My	-.004	.5
78	MP4A	Mz	-.002	.5
79	MP4A	Y	-8.5	5.08
80	MP4A	My	-.004	5.08
81	MP4A	Mz	-.002	5.08
82	MP4B	Y	-8.5	.5
83	MP4B	My	.004	.5
84	MP4B	Mz	-.002	.5
85	MP4B	Y	-8.5	5.08
86	MP4B	My	.004	5.08
87	MP4B	Mz	-.002	5.08
88	MP4C	Y	-8.5	.5
89	MP4C	My	0	.5
90	MP4C	Mz	.004	.5
91	MP4C	Y	-8.5	5.08
92	MP4C	My	0	5.08
93	MP4C	Mz	.004	5.08

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-127.425	.5
2	MP3A	My	-.117	.5
3	MP3A	Mz	.09	.5
4	MP3A	Y	-127.425	5.08
5	MP3A	My	-.117	5.08
6	MP3A	Mz	.09	5.08
7	MP3B	Y	-127.425	.5
8	MP3B	My	.002	.5
9	MP3B	Mz	-.151	.5
10	MP3B	Y	-127.425	5.08
11	MP3B	My	.002	5.08
12	MP3B	Mz	-.151	5.08
13	MP3C	Y	-127.425	.5
14	MP3C	My	.096	.5
15	MP3C	Mz	.117	.5
16	MP3C	Y	-127.425	5.08
17	MP3C	My	.096	5.08
18	MP3C	Mz	.117	5.08
19	MP3A	Y	-127.425	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A	My	-.117	.5
21	MP3A	Mz	-.09	.5
22	MP3A	Y	-127.425	5.08
23	MP3A	My	-.117	5.08
24	MP3A	Mz	-.09	5.08
25	MP3B	Y	-127.425	.5
26	MP3B	My	.148	.5
27	MP3B	Mz	-.028	.5
28	MP3B	Y	-127.425	5.08
29	MP3B	My	.148	5.08
30	MP3B	Mz	-.028	5.08
31	MP3C	Y	-127.425	.5
32	MP3C	My	-.096	.5
33	MP3C	Mz	.117	.5
34	MP3C	Y	-127.425	5.08
35	MP3C	My	-.096	5.08
36	MP3C	Mz	.117	5.08
37	MP1A	Y	-55.851	1.79
38	MP1A	My	-.028	1.79
39	MP1A	Mz	0	1.79
40	MP1A	Y	-55.851	3.79
41	MP1A	My	-.028	3.79
42	MP1A	Mz	0	3.79
43	MP1B	Y	-55.851	1.79
44	MP1B	My	.018	1.79
45	MP1B	Mz	-.021	1.79
46	MP1B	Y	-55.851	3.79
47	MP1B	My	.018	3.79
48	MP1B	Mz	-.021	3.79
49	MP1C	Y	-55.851	1.79
50	MP1C	My	0	1.79
51	MP1C	Mz	.028	1.79
52	MP1C	Y	-55.851	3.79
53	MP1C	My	0	3.79
54	MP1C	Mz	.028	3.79
55	MP2A	Y	-70.969	2.79
56	MP2A	My	.035	2.79
57	MP2A	Mz	0	2.79
58	MP2B	Y	-70.969	2.79
59	MP2B	My	-.023	2.79
60	MP2B	Mz	.027	2.79
61	MP2C	Y	-70.969	2.79
62	MP2C	My	0	2.79
63	MP2C	Mz	-.035	2.79
64	MP3A	Y	-64.069	2.79
65	MP3A	My	.032	2.79
66	MP3A	Mz	0	2.79
67	MP3B	Y	-64.069	2.79
68	MP3B	My	.032	2.79
69	MP3B	Mz	0	2.79
70	MP3C	Y	-64.069	2.79
71	MP3C	My	.032	2.79
72	MP3C	Mz	0	2.79
73	M100	Y	-118.541	1
74	M100	My	0	1
75	M100	Mz	0	1
76	MP4A	Y	-81.323	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP4A	My	-.035	.5
78	MP4A	Mz	-.02	.5
79	MP4A	Y	-81.323	5.08
80	MP4A	My	-.035	5.08
81	MP4A	Mz	-.02	5.08
82	MP4B	Y	-81.323	.5
83	MP4B	My	.035	.5
84	MP4B	Mz	-.02	.5
85	MP4B	Y	-81.323	5.08
86	MP4B	My	.035	5.08
87	MP4B	Mz	-.02	5.08
88	MP4C	Y	-81.323	.5
89	MP4C	My	0	.5
90	MP4C	Mz	.041	.5
91	MP4C	Y	-81.323	5.08
92	MP4C	My	0	5.08
93	MP4C	Mz	.041	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-202.67	.5
3	MP3A	Mx	-.144	.5
4	MP3A	X	0	5.08
5	MP3A	Z	-202.67	5.08
6	MP3A	Mx	-.144	5.08
7	MP3B	X	0	.5
8	MP3B	Z	-172.16	.5
9	MP3B	Mx	.204	.5
10	MP3B	X	0	5.08
11	MP3B	Z	-172.16	5.08
12	MP3B	Mx	.204	5.08
13	MP3C	X	0	.5
14	MP3C	Z	-150.677	.5
15	MP3C	Mx	-.138	.5
16	MP3C	X	0	5.08
17	MP3C	Z	-150.677	5.08
18	MP3C	Mx	-.138	5.08
19	MP3A	X	0	.5
20	MP3A	Z	-202.67	.5
21	MP3A	Mx	.144	.5
22	MP3A	X	0	5.08
23	MP3A	Z	-202.67	5.08
24	MP3A	Mx	.144	5.08
25	MP3B	X	0	.5
26	MP3B	Z	-172.16	.5
27	MP3B	Mx	.038	.5
28	MP3B	X	0	5.08
29	MP3B	Z	-172.16	5.08
30	MP3B	Mx	.038	5.08
31	MP3C	X	0	.5
32	MP3C	Z	-150.677	.5
33	MP3C	Mx	-.138	.5
34	MP3C	X	0	5.08
35	MP3C	Z	-150.677	5.08
36	MP3C	Mx	-.138	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP1A	X	0	1.79
38	MP1A	Z	-96.51	1.79
39	MP1A	Mx	0	1.79
40	MP1A	X	0	3.79
41	MP1A	Z	-96.51	3.79
42	MP1A	Mx	0	3.79
43	MP1B	X	0	1.79
44	MP1B	Z	-62.048	1.79
45	MP1B	Mx	.024	1.79
46	MP1B	X	0	3.79
47	MP1B	Z	-62.048	3.79
48	MP1B	Mx	.024	3.79
49	MP1C	X	0	1.79
50	MP1C	Z	-37.783	1.79
51	MP1C	Mx	-.019	1.79
52	MP1C	X	0	3.79
53	MP1C	Z	-37.783	3.79
54	MP1C	Mx	-.019	3.79
55	MP2A	X	0	2.79
56	MP2A	Z	-76.797	2.79
57	MP2A	Mx	0	2.79
58	MP2B	X	0	2.79
59	MP2B	Z	-61.855	2.79
60	MP2B	Mx	-.024	2.79
61	MP2C	X	0	2.79
62	MP2C	Z	-51.335	2.79
63	MP2C	Mx	.026	2.79
64	MP3A	X	0	2.79
65	MP3A	Z	-76.797	2.79
66	MP3A	Mx	0	2.79
67	MP3B	X	0	2.79
68	MP3B	Z	-76.797	2.79
69	MP3B	Mx	0	2.79
70	MP3C	X	0	2.79
71	MP3C	Z	-76.797	2.79
72	MP3C	Mx	0	2.79
73	M100	X	0	1
74	M100	Z	-155.648	1
75	M100	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	-137.927	.5
78	MP4A	Mx	.034	.5
79	MP4A	X	0	5.08
80	MP4A	Z	-137.927	5.08
81	MP4A	Mx	.034	5.08
82	MP4B	X	0	.5
83	MP4B	Z	-137.927	.5
84	MP4B	Mx	.034	.5
85	MP4B	X	0	5.08
86	MP4B	Z	-137.927	5.08
87	MP4B	Mx	.034	5.08
88	MP4C	X	0	.5
89	MP4C	Z	-85.382	.5
90	MP4C	Mx	-.043	.5
91	MP4C	X	0	5.08
92	MP4C	Z	-85.382	5.08
93	MP4C	Mx	-.043	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	94.836	.5
2	MP3A	Z	-164.261	.5
3	MP3A	Mx	-.203	.5
4	MP3A	X	94.836	5.08
5	MP3A	Z	-164.261	5.08
6	MP3A	Mx	-.203	5.08
7	MP3B	X	76.123	.5
8	MP3B	Z	-131.848	.5
9	MP3B	Mx	.157	.5
10	MP3B	X	76.123	5.08
11	MP3B	Z	-131.848	5.08
12	MP3B	Mx	.157	5.08
13	MP3C	X	81.838	.5
14	MP3C	Z	-141.747	.5
15	MP3C	Mx	-.069	.5
16	MP3C	X	81.838	5.08
17	MP3C	Z	-141.747	5.08
18	MP3C	Mx	-.069	5.08
19	MP3A	X	94.836	.5
20	MP3A	Z	-164.261	.5
21	MP3A	Mx	.029	.5
22	MP3A	X	94.836	5.08
23	MP3A	Z	-164.261	5.08
24	MP3A	Mx	.029	5.08
25	MP3B	X	76.123	.5
26	MP3B	Z	-131.848	.5
27	MP3B	Mx	.118	.5
28	MP3B	X	76.123	5.08
29	MP3B	Z	-131.848	5.08
30	MP3B	Mx	.118	5.08
31	MP3C	X	81.838	.5
32	MP3C	Z	-141.747	.5
33	MP3C	Mx	-.191	.5
34	MP3C	X	81.838	5.08
35	MP3C	Z	-141.747	5.08
36	MP3C	Mx	-.191	5.08
37	MP1A	X	40.914	1.79
38	MP1A	Z	-70.865	1.79
39	MP1A	Mx	-.02	1.79
40	MP1A	X	40.914	3.79
41	MP1A	Z	-70.865	3.79
42	MP1A	Mx	-.02	3.79
43	MP1B	X	19.777	1.79
44	MP1B	Z	-34.255	1.79
45	MP1B	Mx	.019	1.79
46	MP1B	X	19.777	3.79
47	MP1B	Z	-34.255	3.79
48	MP1B	Mx	.019	3.79
49	MP1C	X	26.232	1.79
50	MP1C	Z	-45.436	1.79
51	MP1C	Mx	-.023	1.79
52	MP1C	X	26.232	3.79
53	MP1C	Z	-45.436	3.79
54	MP1C	Mx	-.023	3.79
55	MP2A	X	35.216	2.79
56	MP2A	Z	-60.995	2.79
57	MP2A	Mx	.018	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	26.051	2.79
59	MP2B	Z	-45.122	2.79
60	MP2B	Mx	-.026	2.79
61	MP2C	X	28.85	2.79
62	MP2C	Z	-49.97	2.79
63	MP2C	Mx	.025	2.79
64	MP3A	X	33.997	2.79
65	MP3A	Z	-58.884	2.79
66	MP3A	Mx	.017	2.79
67	MP3B	X	33.997	2.79
68	MP3B	Z	-58.884	2.79
69	MP3B	Mx	.017	2.79
70	MP3C	X	33.997	2.79
71	MP3C	Z	-58.884	2.79
72	MP3C	Mx	.017	2.79
73	M100	X	71.246	1
74	M100	Z	-123.402	1
75	M100	Mx	0	1
76	MP4A	X	77.721	.5
77	MP4A	Z	-134.617	.5
78	MP4A	Mx	0	.5
79	MP4A	X	77.721	5.08
80	MP4A	Z	-134.617	5.08
81	MP4A	Mx	0	5.08
82	MP4B	X	51.449	.5
83	MP4B	Z	-89.112	.5
84	MP4B	Mx	.045	.5
85	MP4B	X	51.449	5.08
86	MP4B	Z	-89.112	5.08
87	MP4B	Mx	.045	5.08
88	MP4C	X	51.449	.5
89	MP4C	Z	-89.112	.5
90	MP4C	Mx	-.045	.5
91	MP4C	X	51.449	5.08
92	MP4C	Z	-89.112	5.08
93	MP4C	Mx	-.045	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	141.747	.5
2	MP3A	Z	-81.838	.5
3	MP3A	Mx	-.188	.5
4	MP3A	X	141.747	5.08
5	MP3A	Z	-81.838	5.08
6	MP3A	Mx	-.188	5.08
7	MP3B	X	135.758	.5
8	MP3B	Z	-78.38	.5
9	MP3B	Mx	.095	.5
10	MP3B	X	135.758	5.08
11	MP3B	Z	-78.38	5.08
12	MP3B	Mx	.095	5.08
13	MP3C	X	164.261	.5
14	MP3C	Z	-94.836	.5
15	MP3C	Mx	.036	.5
16	MP3C	X	164.261	5.08
17	MP3C	Z	-94.836	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	.036	5.08
19	MP3A	X	141.747	.5
20	MP3A	Z	-81.838	.5
21	MP3A	Mx	-.072	.5
22	MP3A	X	141.747	5.08
23	MP3A	Z	-81.838	5.08
24	MP3A	Mx	-.072	5.08
25	MP3B	X	135.758	.5
26	MP3B	Z	-78.38	.5
27	MP3B	Mx	.175	.5
28	MP3B	X	135.758	5.08
29	MP3B	Z	-78.38	5.08
30	MP3B	Mx	.175	5.08
31	MP3C	X	164.261	.5
32	MP3C	Z	-94.836	.5
33	MP3C	Mx	-.21	.5
34	MP3C	X	164.261	5.08
35	MP3C	Z	-94.836	5.08
36	MP3C	Mx	-.21	5.08
37	MP1A	X	45.436	1.79
38	MP1A	Z	-26.232	1.79
39	MP1A	Mx	-.023	1.79
40	MP1A	X	45.436	3.79
41	MP1A	Z	-26.232	3.79
42	MP1A	Mx	-.023	3.79
43	MP1B	X	38.671	1.79
44	MP1B	Z	-22.327	1.79
45	MP1B	Mx	.021	1.79
46	MP1B	X	38.671	3.79
47	MP1B	Z	-22.327	3.79
48	MP1B	Mx	.021	3.79
49	MP1C	X	70.865	1.79
50	MP1C	Z	-40.914	1.79
51	MP1C	Mx	-.02	1.79
52	MP1C	X	70.865	3.79
53	MP1C	Z	-40.914	3.79
54	MP1C	Mx	-.02	3.79
55	MP2A	X	49.97	2.79
56	MP2A	Z	-28.85	2.79
57	MP2A	Mx	.025	2.79
58	MP2B	X	47.037	2.79
59	MP2B	Z	-27.157	2.79
60	MP2B	Mx	-.026	2.79
61	MP2C	X	60.995	2.79
62	MP2C	Z	-35.216	2.79
63	MP2C	Mx	.018	2.79
64	MP3A	X	43.635	2.79
65	MP3A	Z	-25.193	2.79
66	MP3A	Mx	.022	2.79
67	MP3B	X	43.635	2.79
68	MP3B	Z	-25.193	2.79
69	MP3B	Mx	.022	2.79
70	MP3C	X	43.635	2.79
71	MP3C	Z	-25.193	2.79
72	MP3C	Mx	.022	2.79
73	M100	X	100.616	1
74	M100	Z	-58.091	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	M100	Mx	0	1
76	MP4A	X	119.448	.5
77	MP4A	Z	-68.964	.5
78	MP4A	Mx	-.034	.5
79	MP4A	X	119.448	5.08
80	MP4A	Z	-68.964	5.08
81	MP4A	Mx	-.034	5.08
82	MP4B	X	73.943	.5
83	MP4B	Z	-42.691	.5
84	MP4B	Mx	.043	.5
85	MP4B	X	73.943	5.08
86	MP4B	Z	-42.691	5.08
87	MP4B	Mx	.043	5.08
88	MP4C	X	119.448	.5
89	MP4C	Z	-68.964	.5
90	MP4C	Mx	-.034	.5
91	MP4C	X	119.448	5.08
92	MP4C	Z	-68.964	5.08
93	MP4C	Mx	-.034	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	150.677	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.138	.5
4	MP3A	X	150.677	5.08
5	MP3A	Z	0	5.08
6	MP3A	Mx	-.138	5.08
7	MP3B	X	181.188	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.003	.5
10	MP3B	X	181.188	5.08
11	MP3B	Z	0	5.08
12	MP3B	Mx	.003	5.08
13	MP3C	X	202.67	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.152	.5
16	MP3C	X	202.67	5.08
17	MP3C	Z	0	5.08
18	MP3C	Mx	.152	5.08
19	MP3A	X	150.677	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.138	.5
22	MP3A	X	150.677	5.08
23	MP3A	Z	0	5.08
24	MP3A	Mx	-.138	5.08
25	MP3B	X	181.188	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.211	.5
28	MP3B	X	181.188	5.08
29	MP3B	Z	0	5.08
30	MP3B	Mx	.211	5.08
31	MP3C	X	202.67	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.152	.5
34	MP3C	X	202.67	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	0	5.08
36	MP3C	Mx	-.152	5.08
37	MP1A	X	37.783	1.79
38	MP1A	Z	0	1.79
39	MP1A	Mx	-.019	1.79
40	MP1A	X	37.783	3.79
41	MP1A	Z	0	3.79
42	MP1A	Mx	-.019	3.79
43	MP1B	X	72.245	1.79
44	MP1B	Z	0	1.79
45	MP1B	Mx	.023	1.79
46	MP1B	X	72.245	3.79
47	MP1B	Z	0	3.79
48	MP1B	Mx	.023	3.79
49	MP1C	X	96.51	1.79
50	MP1C	Z	0	1.79
51	MP1C	Mx	0	1.79
52	MP1C	X	96.51	3.79
53	MP1C	Z	0	3.79
54	MP1C	Mx	0	3.79
55	MP2A	X	51.335	2.79
56	MP2A	Z	0	2.79
57	MP2A	Mx	.026	2.79
58	MP2B	X	66.277	2.79
59	MP2B	Z	0	2.79
60	MP2B	Mx	-.021	2.79
61	MP2C	X	76.797	2.79
62	MP2C	Z	0	2.79
63	MP2C	Mx	0	2.79
64	MP3A	X	41.581	2.79
65	MP3A	Z	0	2.79
66	MP3A	Mx	.021	2.79
67	MP3B	X	41.581	2.79
68	MP3B	Z	0	2.79
69	MP3B	Mx	.021	2.79
70	MP3C	X	41.581	2.79
71	MP3C	Z	0	2.79
72	MP3C	Mx	.021	2.79
73	M100	X	103.026	1
74	M100	Z	0	1
75	M100	Mx	0	1
76	MP4A	X	102.897	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.045	.5
79	MP4A	X	102.897	5.08
80	MP4A	Z	0	5.08
81	MP4A	Mx	-.045	5.08
82	MP4B	X	102.897	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	.045	.5
85	MP4B	X	102.897	5.08
86	MP4B	Z	0	5.08
87	MP4B	Mx	.045	5.08
88	MP4C	X	155.442	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	0	.5
91	MP4C	X	155.442	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4C	Z	0	5.08
93	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	141.747	.5
2	MP3A	Z	81.838	.5
3	MP3A	Mx	-.072	.5
4	MP3A	X	141.747	5.08
5	MP3A	Z	81.838	5.08
6	MP3A	Mx	-.072	5.08
7	MP3B	X	174.16	.5
8	MP3B	Z	100.551	.5
9	MP3B	Mx	-.117	.5
10	MP3B	X	174.16	5.08
11	MP3B	Z	100.551	5.08
12	MP3B	Mx	-.117	5.08
13	MP3C	X	164.261	.5
14	MP3C	Z	94.836	.5
15	MP3C	Mx	.21	.5
16	MP3C	X	164.261	5.08
17	MP3C	Z	94.836	5.08
18	MP3C	Mx	.21	5.08
19	MP3A	X	141.747	.5
20	MP3A	Z	81.838	.5
21	MP3A	Mx	-.188	.5
22	MP3A	X	141.747	5.08
23	MP3A	Z	81.838	5.08
24	MP3A	Mx	-.188	5.08
25	MP3B	X	174.16	.5
26	MP3B	Z	100.551	.5
27	MP3B	Mx	.181	.5
28	MP3B	X	174.16	5.08
29	MP3B	Z	100.551	5.08
30	MP3B	Mx	.181	5.08
31	MP3C	X	164.261	.5
32	MP3C	Z	94.836	.5
33	MP3C	Mx	-.036	.5
34	MP3C	X	164.261	5.08
35	MP3C	Z	94.836	5.08
36	MP3C	Mx	-.036	5.08
37	MP1A	X	45.436	1.79
38	MP1A	Z	26.232	1.79
39	MP1A	Mx	-.023	1.79
40	MP1A	X	45.436	3.79
41	MP1A	Z	26.232	3.79
42	MP1A	Mx	-.023	3.79
43	MP1B	X	82.046	1.79
44	MP1B	Z	47.369	1.79
45	MP1B	Mx	.008	1.79
46	MP1B	X	82.046	3.79
47	MP1B	Z	47.369	3.79
48	MP1B	Mx	.008	3.79
49	MP1C	X	70.865	1.79
50	MP1C	Z	40.914	1.79
51	MP1C	Mx	.02	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	X	70.865	3.79
53	MP1C	Z	40.914	3.79
54	MP1C	Mx	.02	3.79
55	MP2A	X	49.97	2.79
56	MP2A	Z	28.85	2.79
57	MP2A	Mx	.025	2.79
58	MP2B	X	65.843	2.79
59	MP2B	Z	38.015	2.79
60	MP2B	Mx	-.007	2.79
61	MP2C	X	60.995	2.79
62	MP2C	Z	35.216	2.79
63	MP2C	Mx	-.018	2.79
64	MP3A	X	43.635	2.79
65	MP3A	Z	25.193	2.79
66	MP3A	Mx	.022	2.79
67	MP3B	X	43.635	2.79
68	MP3B	Z	25.193	2.79
69	MP3B	Mx	.022	2.79
70	MP3C	X	43.635	2.79
71	MP3C	Z	25.193	2.79
72	MP3C	Mx	.022	2.79
73	M100	X	100.616	1
74	M100	Z	58.091	1
75	M100	Mx	0	1
76	MP4A	X	73.943	.5
77	MP4A	Z	42.691	.5
78	MP4A	Mx	-.043	.5
79	MP4A	X	73.943	5.08
80	MP4A	Z	42.691	5.08
81	MP4A	Mx	-.043	5.08
82	MP4B	X	119.448	.5
83	MP4B	Z	68.964	.5
84	MP4B	Mx	.034	.5
85	MP4B	X	119.448	5.08
86	MP4B	Z	68.964	5.08
87	MP4B	Mx	.034	5.08
88	MP4C	X	119.448	.5
89	MP4C	Z	68.964	.5
90	MP4C	Mx	.034	.5
91	MP4C	X	119.448	5.08
92	MP4C	Z	68.964	5.08
93	MP4C	Mx	.034	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	94.836	.5
2	MP3A	Z	164.261	.5
3	MP3A	Mx	.029	.5
4	MP3A	X	94.836	5.08
5	MP3A	Z	164.261	5.08
6	MP3A	Mx	.029	5.08
7	MP3B	X	98.294	.5
8	MP3B	Z	170.25	.5
9	MP3B	Mx	-.2	.5
10	MP3B	X	98.294	5.08
11	MP3B	Z	170.25	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	-.2	5.08
13	MP3C	X	81.838	.5
14	MP3C	Z	141.747	.5
15	MP3C	Mx	.191	.5
16	MP3C	X	81.838	5.08
17	MP3C	Z	141.747	5.08
18	MP3C	Mx	.191	5.08
19	MP3A	X	94.836	.5
20	MP3A	Z	164.261	.5
21	MP3A	Mx	-.203	.5
22	MP3A	X	94.836	5.08
23	MP3A	Z	164.261	5.08
24	MP3A	Mx	-.203	5.08
25	MP3B	X	98.294	.5
26	MP3B	Z	170.25	.5
27	MP3B	Mx	.077	.5
28	MP3B	X	98.294	5.08
29	MP3B	Z	170.25	5.08
30	MP3B	Mx	.077	5.08
31	MP3C	X	81.838	.5
32	MP3C	Z	141.747	.5
33	MP3C	Mx	.069	.5
34	MP3C	X	81.838	5.08
35	MP3C	Z	141.747	5.08
36	MP3C	Mx	.069	5.08
37	MP1A	X	40.914	1.79
38	MP1A	Z	70.865	1.79
39	MP1A	Mx	-.02	1.79
40	MP1A	X	40.914	3.79
41	MP1A	Z	70.865	3.79
42	MP1A	Mx	-.02	3.79
43	MP1B	X	44.82	1.79
44	MP1B	Z	77.631	1.79
45	MP1B	Mx	-.015	1.79
46	MP1B	X	44.82	3.79
47	MP1B	Z	77.631	3.79
48	MP1B	Mx	-.015	3.79
49	MP1C	X	26.232	1.79
50	MP1C	Z	45.436	1.79
51	MP1C	Mx	.023	1.79
52	MP1C	X	26.232	3.79
53	MP1C	Z	45.436	3.79
54	MP1C	Mx	.023	3.79
55	MP2A	X	35.216	2.79
56	MP2A	Z	60.995	2.79
57	MP2A	Mx	.018	2.79
58	MP2B	X	36.909	2.79
59	MP2B	Z	63.929	2.79
60	MP2B	Mx	.013	2.79
61	MP2C	X	28.85	2.79
62	MP2C	Z	49.97	2.79
63	MP2C	Mx	-.025	2.79
64	MP3A	X	33.997	2.79
65	MP3A	Z	58.884	2.79
66	MP3A	Mx	.017	2.79
67	MP3B	X	33.997	2.79
68	MP3B	Z	58.884	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	.017	2.79
70	MP3C	X	33.997	2.79
71	MP3C	Z	58.884	2.79
72	MP3C	Mx	.017	2.79
73	M100	X	71.246	1
74	M100	Z	123.402	1
75	M100	Mx	0	1
76	MP4A	X	51.449	.5
77	MP4A	Z	89.112	.5
78	MP4A	Mx	-.045	.5
79	MP4A	X	51.449	5.08
80	MP4A	Z	89.112	5.08
81	MP4A	Mx	-.045	5.08
82	MP4B	X	77.721	.5
83	MP4B	Z	134.617	.5
84	MP4B	Mx	0	.5
85	MP4B	X	77.721	5.08
86	MP4B	Z	134.617	5.08
87	MP4B	Mx	0	5.08
88	MP4C	X	51.449	.5
89	MP4C	Z	89.112	.5
90	MP4C	Mx	.045	.5
91	MP4C	X	51.449	5.08
92	MP4C	Z	89.112	5.08
93	MP4C	Mx	.045	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	202.67	.5
3	MP3A	Mx	.144	.5
4	MP3A	X	0	5.08
5	MP3A	Z	202.67	5.08
6	MP3A	Mx	.144	5.08
7	MP3B	X	0	.5
8	MP3B	Z	172.16	.5
9	MP3B	Mx	-.204	.5
10	MP3B	X	0	5.08
11	MP3B	Z	172.16	5.08
12	MP3B	Mx	-.204	5.08
13	MP3C	X	0	.5
14	MP3C	Z	150.677	.5
15	MP3C	Mx	.138	.5
16	MP3C	X	0	5.08
17	MP3C	Z	150.677	5.08
18	MP3C	Mx	.138	5.08
19	MP3A	X	0	.5
20	MP3A	Z	202.67	.5
21	MP3A	Mx	-.144	.5
22	MP3A	X	0	5.08
23	MP3A	Z	202.67	5.08
24	MP3A	Mx	-.144	5.08
25	MP3B	X	0	.5
26	MP3B	Z	172.16	.5
27	MP3B	Mx	-.038	.5
28	MP3B	X	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	172.16	5.08
30	MP3B	Mx	-.038	5.08
31	MP3C	X	0	.5
32	MP3C	Z	150.677	.5
33	MP3C	Mx	.138	.5
34	MP3C	X	0	5.08
35	MP3C	Z	150.677	5.08
36	MP3C	Mx	.138	5.08
37	MP1A	X	0	1.79
38	MP1A	Z	96.51	1.79
39	MP1A	Mx	0	1.79
40	MP1A	X	0	3.79
41	MP1A	Z	96.51	3.79
42	MP1A	Mx	0	3.79
43	MP1B	X	0	1.79
44	MP1B	Z	62.048	1.79
45	MP1B	Mx	-.024	1.79
46	MP1B	X	0	3.79
47	MP1B	Z	62.048	3.79
48	MP1B	Mx	-.024	3.79
49	MP1C	X	0	1.79
50	MP1C	Z	37.783	1.79
51	MP1C	Mx	.019	1.79
52	MP1C	X	0	3.79
53	MP1C	Z	37.783	3.79
54	MP1C	Mx	.019	3.79
55	MP2A	X	0	2.79
56	MP2A	Z	76.797	2.79
57	MP2A	Mx	0	2.79
58	MP2B	X	0	2.79
59	MP2B	Z	61.855	2.79
60	MP2B	Mx	.024	2.79
61	MP2C	X	0	2.79
62	MP2C	Z	51.335	2.79
63	MP2C	Mx	-.026	2.79
64	MP3A	X	0	2.79
65	MP3A	Z	76.797	2.79
66	MP3A	Mx	0	2.79
67	MP3B	X	0	2.79
68	MP3B	Z	76.797	2.79
69	MP3B	Mx	0	2.79
70	MP3C	X	0	2.79
71	MP3C	Z	76.797	2.79
72	MP3C	Mx	0	2.79
73	M100	X	0	1
74	M100	Z	155.648	1
75	M100	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	137.927	.5
78	MP4A	Mx	-.034	.5
79	MP4A	X	0	5.08
80	MP4A	Z	137.927	5.08
81	MP4A	Mx	-.034	5.08
82	MP4B	X	0	.5
83	MP4B	Z	137.927	.5
84	MP4B	Mx	-.034	.5
85	MP4B	X	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	137.927	5.08
87	MP4B	Mx	-.034	5.08
88	MP4C	X	0	.5
89	MP4C	Z	85.382	.5
90	MP4C	Mx	.043	.5
91	MP4C	X	0	5.08
92	MP4C	Z	85.382	5.08
93	MP4C	Mx	.043	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-94.836	.5
2	MP3A	Z	164.261	.5
3	MP3A	Mx	.203	.5
4	MP3A	X	-94.836	5.08
5	MP3A	Z	164.261	5.08
6	MP3A	Mx	.203	5.08
7	MP3B	X	-76.123	.5
8	MP3B	Z	131.848	.5
9	MP3B	Mx	-.157	.5
10	MP3B	X	-76.123	5.08
11	MP3B	Z	131.848	5.08
12	MP3B	Mx	-.157	5.08
13	MP3C	X	-81.838	.5
14	MP3C	Z	141.747	.5
15	MP3C	Mx	.069	.5
16	MP3C	X	-81.838	5.08
17	MP3C	Z	141.747	5.08
18	MP3C	Mx	.069	5.08
19	MP3A	X	-94.836	.5
20	MP3A	Z	164.261	.5
21	MP3A	Mx	-.029	.5
22	MP3A	X	-94.836	5.08
23	MP3A	Z	164.261	5.08
24	MP3A	Mx	-.029	5.08
25	MP3B	X	-76.123	.5
26	MP3B	Z	131.848	.5
27	MP3B	Mx	-.118	.5
28	MP3B	X	-76.123	5.08
29	MP3B	Z	131.848	5.08
30	MP3B	Mx	-.118	5.08
31	MP3C	X	-81.838	.5
32	MP3C	Z	141.747	.5
33	MP3C	Mx	.191	.5
34	MP3C	X	-81.838	5.08
35	MP3C	Z	141.747	5.08
36	MP3C	Mx	.191	5.08
37	MP1A	X	-40.914	1.79
38	MP1A	Z	70.865	1.79
39	MP1A	Mx	.02	1.79
40	MP1A	X	-40.914	3.79
41	MP1A	Z	70.865	3.79
42	MP1A	Mx	.02	3.79
43	MP1B	X	-19.777	1.79
44	MP1B	Z	34.255	1.79
45	MP1B	Mx	-.019	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1B	X	-19.777	3.79
47	MP1B	Z	34.255	3.79
48	MP1B	Mx	-.019	3.79
49	MP1C	X	-26.232	1.79
50	MP1C	Z	45.436	1.79
51	MP1C	Mx	.023	1.79
52	MP1C	X	-26.232	3.79
53	MP1C	Z	45.436	3.79
54	MP1C	Mx	.023	3.79
55	MP2A	X	-35.216	2.79
56	MP2A	Z	60.995	2.79
57	MP2A	Mx	-.018	2.79
58	MP2B	X	-26.051	2.79
59	MP2B	Z	45.122	2.79
60	MP2B	Mx	.026	2.79
61	MP2C	X	-28.85	2.79
62	MP2C	Z	49.97	2.79
63	MP2C	Mx	-.025	2.79
64	MP3A	X	-33.997	2.79
65	MP3A	Z	58.884	2.79
66	MP3A	Mx	-.017	2.79
67	MP3B	X	-33.997	2.79
68	MP3B	Z	58.884	2.79
69	MP3B	Mx	-.017	2.79
70	MP3C	X	-33.997	2.79
71	MP3C	Z	58.884	2.79
72	MP3C	Mx	-.017	2.79
73	M100	X	-71.246	1
74	M100	Z	123.402	1
75	M100	Mx	0	1
76	MP4A	X	-77.721	.5
77	MP4A	Z	134.617	.5
78	MP4A	Mx	0	.5
79	MP4A	X	-77.721	5.08
80	MP4A	Z	134.617	5.08
81	MP4A	Mx	0	5.08
82	MP4B	X	-51.449	.5
83	MP4B	Z	89.112	.5
84	MP4B	Mx	-.045	.5
85	MP4B	X	-51.449	5.08
86	MP4B	Z	89.112	5.08
87	MP4B	Mx	-.045	5.08
88	MP4C	X	-51.449	.5
89	MP4C	Z	89.112	.5
90	MP4C	Mx	.045	.5
91	MP4C	X	-51.449	5.08
92	MP4C	Z	89.112	5.08
93	MP4C	Mx	.045	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-141.747	.5
2	MP3A	Z	81.838	.5
3	MP3A	Mx	.188	.5
4	MP3A	X	-141.747	5.08
5	MP3A	Z	81.838	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	.188	5.08
7	MP3B	X	-135.758	.5
8	MP3B	Z	78.38	.5
9	MP3B	Mx	-.095	.5
10	MP3B	X	-135.758	5.08
11	MP3B	Z	78.38	5.08
12	MP3B	Mx	-.095	5.08
13	MP3C	X	-164.261	.5
14	MP3C	Z	94.836	.5
15	MP3C	Mx	-.036	.5
16	MP3C	X	-164.261	5.08
17	MP3C	Z	94.836	5.08
18	MP3C	Mx	-.036	5.08
19	MP3A	X	-141.747	.5
20	MP3A	Z	81.838	.5
21	MP3A	Mx	.072	.5
22	MP3A	X	-141.747	5.08
23	MP3A	Z	81.838	5.08
24	MP3A	Mx	.072	5.08
25	MP3B	X	-135.758	.5
26	MP3B	Z	78.38	.5
27	MP3B	Mx	-.175	.5
28	MP3B	X	-135.758	5.08
29	MP3B	Z	78.38	5.08
30	MP3B	Mx	-.175	5.08
31	MP3C	X	-164.261	.5
32	MP3C	Z	94.836	.5
33	MP3C	Mx	.21	.5
34	MP3C	X	-164.261	5.08
35	MP3C	Z	94.836	5.08
36	MP3C	Mx	.21	5.08
37	MP1A	X	-45.436	1.79
38	MP1A	Z	26.232	1.79
39	MP1A	Mx	.023	1.79
40	MP1A	X	-45.436	3.79
41	MP1A	Z	26.232	3.79
42	MP1A	Mx	.023	3.79
43	MP1B	X	-38.671	1.79
44	MP1B	Z	22.327	1.79
45	MP1B	Mx	-.021	1.79
46	MP1B	X	-38.671	3.79
47	MP1B	Z	22.327	3.79
48	MP1B	Mx	-.021	3.79
49	MP1C	X	-70.865	1.79
50	MP1C	Z	40.914	1.79
51	MP1C	Mx	.02	1.79
52	MP1C	X	-70.865	3.79
53	MP1C	Z	40.914	3.79
54	MP1C	Mx	.02	3.79
55	MP2A	X	-49.97	2.79
56	MP2A	Z	28.85	2.79
57	MP2A	Mx	-.025	2.79
58	MP2B	X	-47.037	2.79
59	MP2B	Z	27.157	2.79
60	MP2B	Mx	.026	2.79
61	MP2C	X	-60.995	2.79
62	MP2C	Z	35.216	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	-.018	2.79
64	MP3A	X	-43.635	2.79
65	MP3A	Z	25.193	2.79
66	MP3A	Mx	-.022	2.79
67	MP3B	X	-43.635	2.79
68	MP3B	Z	25.193	2.79
69	MP3B	Mx	-.022	2.79
70	MP3C	X	-43.635	2.79
71	MP3C	Z	25.193	2.79
72	MP3C	Mx	-.022	2.79
73	M100	X	-100.616	1
74	M100	Z	58.091	1
75	M100	Mx	0	1
76	MP4A	X	-119.448	.5
77	MP4A	Z	68.964	.5
78	MP4A	Mx	.034	.5
79	MP4A	X	-119.448	5.08
80	MP4A	Z	68.964	5.08
81	MP4A	Mx	.034	5.08
82	MP4B	X	-73.943	.5
83	MP4B	Z	42.691	.5
84	MP4B	Mx	-.043	.5
85	MP4B	X	-73.943	5.08
86	MP4B	Z	42.691	5.08
87	MP4B	Mx	-.043	5.08
88	MP4C	X	-119.448	.5
89	MP4C	Z	68.964	.5
90	MP4C	Mx	.034	.5
91	MP4C	X	-119.448	5.08
92	MP4C	Z	68.964	5.08
93	MP4C	Mx	.034	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-150.677	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.138	.5
4	MP3A	X	-150.677	5.08
5	MP3A	Z	0	5.08
6	MP3A	Mx	.138	5.08
7	MP3B	X	-181.188	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.003	.5
10	MP3B	X	-181.188	5.08
11	MP3B	Z	0	5.08
12	MP3B	Mx	-.003	5.08
13	MP3C	X	-202.67	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.152	.5
16	MP3C	X	-202.67	5.08
17	MP3C	Z	0	5.08
18	MP3C	Mx	-.152	5.08
19	MP3A	X	-150.677	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.138	.5
22	MP3A	X	-150.677	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	0	5.08
24	MP3A	Mx	.138	5.08
25	MP3B	X	-181.188	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.211	.5
28	MP3B	X	-181.188	5.08
29	MP3B	Z	0	5.08
30	MP3B	Mx	-.211	5.08
31	MP3C	X	-202.67	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.152	.5
34	MP3C	X	-202.67	5.08
35	MP3C	Z	0	5.08
36	MP3C	Mx	.152	5.08
37	MP1A	X	-37.783	1.79
38	MP1A	Z	0	1.79
39	MP1A	Mx	.019	1.79
40	MP1A	X	-37.783	3.79
41	MP1A	Z	0	3.79
42	MP1A	Mx	.019	3.79
43	MP1B	X	-72.245	1.79
44	MP1B	Z	0	1.79
45	MP1B	Mx	-.023	1.79
46	MP1B	X	-72.245	3.79
47	MP1B	Z	0	3.79
48	MP1B	Mx	-.023	3.79
49	MP1C	X	-96.51	1.79
50	MP1C	Z	0	1.79
51	MP1C	Mx	0	1.79
52	MP1C	X	-96.51	3.79
53	MP1C	Z	0	3.79
54	MP1C	Mx	0	3.79
55	MP2A	X	-51.335	2.79
56	MP2A	Z	0	2.79
57	MP2A	Mx	-.026	2.79
58	MP2B	X	-66.277	2.79
59	MP2B	Z	0	2.79
60	MP2B	Mx	.021	2.79
61	MP2C	X	-76.797	2.79
62	MP2C	Z	0	2.79
63	MP2C	Mx	0	2.79
64	MP3A	X	-41.581	2.79
65	MP3A	Z	0	2.79
66	MP3A	Mx	-.021	2.79
67	MP3B	X	-41.581	2.79
68	MP3B	Z	0	2.79
69	MP3B	Mx	-.021	2.79
70	MP3C	X	-41.581	2.79
71	MP3C	Z	0	2.79
72	MP3C	Mx	-.021	2.79
73	M100	X	-103.026	1
74	M100	Z	0	1
75	M100	Mx	0	1
76	MP4A	X	-102.897	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.045	.5
79	MP4A	X	-102.897	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	0	5.08
81	MP4A	Mx	.045	5.08
82	MP4B	X	-102.897	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	-.045	.5
85	MP4B	X	-102.897	5.08
86	MP4B	Z	0	5.08
87	MP4B	Mx	-.045	5.08
88	MP4C	X	-155.442	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	0	.5
91	MP4C	X	-155.442	5.08
92	MP4C	Z	0	5.08
93	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-141.747	.5
2	MP3A	Z	-81.838	.5
3	MP3A	Mx	.072	.5
4	MP3A	X	-141.747	5.08
5	MP3A	Z	-81.838	5.08
6	MP3A	Mx	.072	5.08
7	MP3B	X	-174.16	.5
8	MP3B	Z	-100.551	.5
9	MP3B	Mx	.117	.5
10	MP3B	X	-174.16	5.08
11	MP3B	Z	-100.551	5.08
12	MP3B	Mx	.117	5.08
13	MP3C	X	-164.261	.5
14	MP3C	Z	-94.836	.5
15	MP3C	Mx	-.21	.5
16	MP3C	X	-164.261	5.08
17	MP3C	Z	-94.836	5.08
18	MP3C	Mx	-.21	5.08
19	MP3A	X	-141.747	.5
20	MP3A	Z	-81.838	.5
21	MP3A	Mx	.188	.5
22	MP3A	X	-141.747	5.08
23	MP3A	Z	-81.838	5.08
24	MP3A	Mx	.188	5.08
25	MP3B	X	-174.16	.5
26	MP3B	Z	-100.551	.5
27	MP3B	Mx	-.181	.5
28	MP3B	X	-174.16	5.08
29	MP3B	Z	-100.551	5.08
30	MP3B	Mx	-.181	5.08
31	MP3C	X	-164.261	.5
32	MP3C	Z	-94.836	.5
33	MP3C	Mx	.036	.5
34	MP3C	X	-164.261	5.08
35	MP3C	Z	-94.836	5.08
36	MP3C	Mx	.036	5.08
37	MP1A	X	-45.436	1.79
38	MP1A	Z	-26.232	1.79
39	MP1A	Mx	.023	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	-45.436	3.79
41	MP1A	Z	-26.232	3.79
42	MP1A	Mx	.023	3.79
43	MP1B	X	-82.046	1.79
44	MP1B	Z	-47.369	1.79
45	MP1B	Mx	-.008	1.79
46	MP1B	X	-82.046	3.79
47	MP1B	Z	-47.369	3.79
48	MP1B	Mx	-.008	3.79
49	MP1C	X	-70.865	1.79
50	MP1C	Z	-40.914	1.79
51	MP1C	Mx	-.02	1.79
52	MP1C	X	-70.865	3.79
53	MP1C	Z	-40.914	3.79
54	MP1C	Mx	-.02	3.79
55	MP2A	X	-49.97	2.79
56	MP2A	Z	-28.85	2.79
57	MP2A	Mx	-.025	2.79
58	MP2B	X	-65.843	2.79
59	MP2B	Z	-38.015	2.79
60	MP2B	Mx	.007	2.79
61	MP2C	X	-60.995	2.79
62	MP2C	Z	-35.216	2.79
63	MP2C	Mx	.018	2.79
64	MP3A	X	-43.635	2.79
65	MP3A	Z	-25.193	2.79
66	MP3A	Mx	-.022	2.79
67	MP3B	X	-43.635	2.79
68	MP3B	Z	-25.193	2.79
69	MP3B	Mx	-.022	2.79
70	MP3C	X	-43.635	2.79
71	MP3C	Z	-25.193	2.79
72	MP3C	Mx	-.022	2.79
73	M100	X	-100.616	1
74	M100	Z	-58.091	1
75	M100	Mx	0	1
76	MP4A	X	-73.943	.5
77	MP4A	Z	-42.691	.5
78	MP4A	Mx	.043	.5
79	MP4A	X	-73.943	5.08
80	MP4A	Z	-42.691	5.08
81	MP4A	Mx	.043	5.08
82	MP4B	X	-119.448	.5
83	MP4B	Z	-68.964	.5
84	MP4B	Mx	-.034	.5
85	MP4B	X	-119.448	5.08
86	MP4B	Z	-68.964	5.08
87	MP4B	Mx	-.034	5.08
88	MP4C	X	-119.448	.5
89	MP4C	Z	-68.964	.5
90	MP4C	Mx	-.034	.5
91	MP4C	X	-119.448	5.08
92	MP4C	Z	-68.964	5.08
93	MP4C	Mx	-.034	5.08

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-94.836	.5
2	MP3A	Z	-164.261	.5
3	MP3A	Mx	-.029	.5
4	MP3A	X	-94.836	5.08
5	MP3A	Z	-164.261	5.08
6	MP3A	Mx	-.029	5.08
7	MP3B	X	-98.294	.5
8	MP3B	Z	-170.25	.5
9	MP3B	Mx	.2	.5
10	MP3B	X	-98.294	5.08
11	MP3B	Z	-170.25	5.08
12	MP3B	Mx	.2	5.08
13	MP3C	X	-81.838	.5
14	MP3C	Z	-141.747	.5
15	MP3C	Mx	-.191	.5
16	MP3C	X	-81.838	5.08
17	MP3C	Z	-141.747	5.08
18	MP3C	Mx	-.191	5.08
19	MP3A	X	-94.836	.5
20	MP3A	Z	-164.261	.5
21	MP3A	Mx	.203	.5
22	MP3A	X	-94.836	5.08
23	MP3A	Z	-164.261	5.08
24	MP3A	Mx	.203	5.08
25	MP3B	X	-98.294	.5
26	MP3B	Z	-170.25	.5
27	MP3B	Mx	-.077	.5
28	MP3B	X	-98.294	5.08
29	MP3B	Z	-170.25	5.08
30	MP3B	Mx	-.077	5.08
31	MP3C	X	-81.838	.5
32	MP3C	Z	-141.747	.5
33	MP3C	Mx	-.069	.5
34	MP3C	X	-81.838	5.08
35	MP3C	Z	-141.747	5.08
36	MP3C	Mx	-.069	5.08
37	MP1A	X	-40.914	1.79
38	MP1A	Z	-70.865	1.79
39	MP1A	Mx	.02	1.79
40	MP1A	X	-40.914	3.79
41	MP1A	Z	-70.865	3.79
42	MP1A	Mx	.02	3.79
43	MP1B	X	-44.82	1.79
44	MP1B	Z	-77.631	1.79
45	MP1B	Mx	.015	1.79
46	MP1B	X	-44.82	3.79
47	MP1B	Z	-77.631	3.79
48	MP1B	Mx	.015	3.79
49	MP1C	X	-26.232	1.79
50	MP1C	Z	-45.436	1.79
51	MP1C	Mx	-.023	1.79
52	MP1C	X	-26.232	3.79
53	MP1C	Z	-45.436	3.79
54	MP1C	Mx	-.023	3.79
55	MP2A	X	-35.216	2.79
56	MP2A	Z	-60.995	2.79
57	MP2A	Mx	-.018	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-36.909	2.79
59	MP2B	Z	-63.929	2.79
60	MP2B	Mx	-.013	2.79
61	MP2C	X	-28.85	2.79
62	MP2C	Z	-49.97	2.79
63	MP2C	Mx	.025	2.79
64	MP3A	X	-33.997	2.79
65	MP3A	Z	-58.884	2.79
66	MP3A	Mx	-.017	2.79
67	MP3B	X	-33.997	2.79
68	MP3B	Z	-58.884	2.79
69	MP3B	Mx	-.017	2.79
70	MP3C	X	-33.997	2.79
71	MP3C	Z	-58.884	2.79
72	MP3C	Mx	-.017	2.79
73	M100	X	-71.246	1
74	M100	Z	-123.402	1
75	M100	Mx	0	1
76	MP4A	X	-51.449	.5
77	MP4A	Z	-89.112	.5
78	MP4A	Mx	.045	.5
79	MP4A	X	-51.449	5.08
80	MP4A	Z	-89.112	5.08
81	MP4A	Mx	.045	5.08
82	MP4B	X	-77.721	.5
83	MP4B	Z	-134.617	.5
84	MP4B	Mx	0	.5
85	MP4B	X	-77.721	5.08
86	MP4B	Z	-134.617	5.08
87	MP4B	Mx	0	5.08
88	MP4C	X	-51.449	.5
89	MP4C	Z	-89.112	.5
90	MP4C	Mx	-.045	.5
91	MP4C	X	-51.449	5.08
92	MP4C	Z	-89.112	5.08
93	MP4C	Mx	-.045	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-40.673	.5
3	MP3A	Mx	-.029	.5
4	MP3A	X	0	5.08
5	MP3A	Z	-40.673	5.08
6	MP3A	Mx	-.029	5.08
7	MP3B	X	0	.5
8	MP3B	Z	-35.023	.5
9	MP3B	Mx	.041	.5
10	MP3B	X	0	5.08
11	MP3B	Z	-35.023	5.08
12	MP3B	Mx	.041	5.08
13	MP3C	X	0	.5
14	MP3C	Z	-31.045	.5
15	MP3C	Mx	-.028	.5
16	MP3C	X	0	5.08
17	MP3C	Z	-31.045	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.028	5.08
19	MP3A	X	0	.5
20	MP3A	Z	-40.673	.5
21	MP3A	Mx	.029	.5
22	MP3A	X	0	5.08
23	MP3A	Z	-40.673	5.08
24	MP3A	Mx	.029	5.08
25	MP3B	X	0	.5
26	MP3B	Z	-35.023	.5
27	MP3B	Mx	.008	.5
28	MP3B	X	0	5.08
29	MP3B	Z	-35.023	5.08
30	MP3B	Mx	.008	5.08
31	MP3C	X	0	.5
32	MP3C	Z	-31.045	.5
33	MP3C	Mx	-.028	.5
34	MP3C	X	0	5.08
35	MP3C	Z	-31.045	5.08
36	MP3C	Mx	-.028	5.08
37	MP1A	X	0	1.79
38	MP1A	Z	-20.371	1.79
39	MP1A	Mx	0	1.79
40	MP1A	X	0	3.79
41	MP1A	Z	-20.371	3.79
42	MP1A	Mx	0	3.79
43	MP1B	X	0	1.79
44	MP1B	Z	-13.72	1.79
45	MP1B	Mx	.005	1.79
46	MP1B	X	0	3.79
47	MP1B	Z	-13.72	3.79
48	MP1B	Mx	.005	3.79
49	MP1C	X	0	1.79
50	MP1C	Z	-9.037	1.79
51	MP1C	Mx	-.005	1.79
52	MP1C	X	0	3.79
53	MP1C	Z	-9.037	3.79
54	MP1C	Mx	-.005	3.79
55	MP2A	X	0	2.79
56	MP2A	Z	-17.633	2.79
57	MP2A	Mx	0	2.79
58	MP2B	X	0	2.79
59	MP2B	Z	-14.619	2.79
60	MP2B	Mx	-.006	2.79
61	MP2C	X	0	2.79
62	MP2C	Z	-12.497	2.79
63	MP2C	Mx	.006	2.79
64	MP3A	X	0	2.79
65	MP3A	Z	-17.633	2.79
66	MP3A	Mx	0	2.79
67	MP3B	X	0	2.79
68	MP3B	Z	-17.633	2.79
69	MP3B	Mx	0	2.79
70	MP3C	X	0	2.79
71	MP3C	Z	-17.633	2.79
72	MP3C	Mx	0	2.79
73	M100	X	0	1
74	M100	Z	-33.216	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	M100	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	-28.757	.5
78	MP4A	Mx	.007	.5
79	MP4A	X	0	5.08
80	MP4A	Z	-28.757	5.08
81	MP4A	Mx	.007	5.08
82	MP4B	X	0	.5
83	MP4B	Z	-28.757	.5
84	MP4B	Mx	.007	.5
85	MP4B	X	0	5.08
86	MP4B	Z	-28.757	5.08
87	MP4B	Mx	.007	5.08
88	MP4C	X	0	.5
89	MP4C	Z	-19.262	.5
90	MP4C	Mx	-.01	.5
91	MP4C	X	0	5.08
92	MP4C	Z	-19.262	5.08
93	MP4C	Mx	-.01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	19.133	.5
2	MP3A	Z	-33.139	.5
3	MP3A	Mx	-.041	.5
4	MP3A	X	19.133	5.08
5	MP3A	Z	-33.139	5.08
6	MP3A	Mx	-.041	5.08
7	MP3B	X	15.668	.5
8	MP3B	Z	-27.137	.5
9	MP3B	Mx	.032	.5
10	MP3B	X	15.668	5.08
11	MP3B	Z	-27.137	5.08
12	MP3B	Mx	.032	5.08
13	MP3C	X	16.726	.5
14	MP3C	Z	-28.97	.5
15	MP3C	Mx	-.014	.5
16	MP3C	X	16.726	5.08
17	MP3C	Z	-28.97	5.08
18	MP3C	Mx	-.014	5.08
19	MP3A	X	19.133	.5
20	MP3A	Z	-33.139	.5
21	MP3A	Mx	.006	.5
22	MP3A	X	19.133	5.08
23	MP3A	Z	-33.139	5.08
24	MP3A	Mx	.006	5.08
25	MP3B	X	15.668	.5
26	MP3B	Z	-27.137	.5
27	MP3B	Mx	.024	.5
28	MP3B	X	15.668	5.08
29	MP3B	Z	-27.137	5.08
30	MP3B	Mx	.024	5.08
31	MP3C	X	16.726	.5
32	MP3C	Z	-28.97	.5
33	MP3C	Mx	-.039	.5
34	MP3C	X	16.726	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-28.97	5.08
36	MP3C	Mx	-.039	5.08
37	MP1A	X	8.769	1.79
38	MP1A	Z	-15.188	1.79
39	MP1A	Mx	-.004	1.79
40	MP1A	X	8.769	3.79
41	MP1A	Z	-15.188	3.79
42	MP1A	Mx	-.004	3.79
43	MP1B	X	4.689	1.79
44	MP1B	Z	-8.122	1.79
45	MP1B	Mx	.005	1.79
46	MP1B	X	4.689	3.79
47	MP1B	Z	-8.122	3.79
48	MP1B	Mx	.005	3.79
49	MP1C	X	5.935	1.79
50	MP1C	Z	-10.28	1.79
51	MP1C	Mx	-.005	1.79
52	MP1C	X	5.935	3.79
53	MP1C	Z	-10.28	3.79
54	MP1C	Mx	-.005	3.79
55	MP2A	X	8.174	2.79
56	MP2A	Z	-14.158	2.79
57	MP2A	Mx	.004	2.79
58	MP2B	X	6.326	2.79
59	MP2B	Z	-10.957	2.79
60	MP2B	Mx	-.006	2.79
61	MP2C	X	6.891	2.79
62	MP2C	Z	-11.935	2.79
63	MP2C	Mx	.006	2.79
64	MP3A	X	7.93	2.79
65	MP3A	Z	-13.736	2.79
66	MP3A	Mx	.004	2.79
67	MP3B	X	7.93	2.79
68	MP3B	Z	-13.736	2.79
69	MP3B	Mx	.004	2.79
70	MP3C	X	7.93	2.79
71	MP3C	Z	-13.736	2.79
72	MP3C	Mx	.004	2.79
73	M100	X	15.348	1
74	M100	Z	-26.583	1
75	M100	Mx	0	1
76	MP4A	X	15.961	.5
77	MP4A	Z	-27.646	.5
78	MP4A	Mx	0	.5
79	MP4A	X	15.961	5.08
80	MP4A	Z	-27.646	5.08
81	MP4A	Mx	0	5.08
82	MP4B	X	11.213	.5
83	MP4B	Z	-19.422	.5
84	MP4B	Mx	.01	.5
85	MP4B	X	11.213	5.08
86	MP4B	Z	-19.422	5.08
87	MP4B	Mx	.01	5.08
88	MP4C	X	11.213	.5
89	MP4C	Z	-19.422	.5
90	MP4C	Mx	-.01	.5
91	MP4C	X	11.213	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4C	Z	-19.422	5.08
93	MP4C	Mx	-.01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	28.97	.5
2	MP3A	Z	-16.726	.5
3	MP3A	Mx	-.038	.5
4	MP3A	X	28.97	5.08
5	MP3A	Z	-16.726	5.08
6	MP3A	Mx	-.038	5.08
7	MP3B	X	27.861	.5
8	MP3B	Z	-16.086	.5
9	MP3B	Mx	.019	.5
10	MP3B	X	27.861	5.08
11	MP3B	Z	-16.086	5.08
12	MP3B	Mx	.019	5.08
13	MP3C	X	33.139	.5
14	MP3C	Z	-19.133	.5
15	MP3C	Mx	.007	.5
16	MP3C	X	33.139	5.08
17	MP3C	Z	-19.133	5.08
18	MP3C	Mx	.007	5.08
19	MP3A	X	28.97	.5
20	MP3A	Z	-16.726	.5
21	MP3A	Mx	-.015	.5
22	MP3A	X	28.97	5.08
23	MP3A	Z	-16.726	5.08
24	MP3A	Mx	-.015	5.08
25	MP3B	X	27.861	.5
26	MP3B	Z	-16.086	.5
27	MP3B	Mx	.036	.5
28	MP3B	X	27.861	5.08
29	MP3B	Z	-16.086	5.08
30	MP3B	Mx	.036	5.08
31	MP3C	X	33.139	.5
32	MP3C	Z	-19.133	.5
33	MP3C	Mx	-.042	.5
34	MP3C	X	33.139	5.08
35	MP3C	Z	-19.133	5.08
36	MP3C	Mx	-.042	5.08
37	MP1A	X	10.28	1.79
38	MP1A	Z	-5.935	1.79
39	MP1A	Mx	-.005	1.79
40	MP1A	X	10.28	3.79
41	MP1A	Z	-5.935	3.79
42	MP1A	Mx	-.005	3.79
43	MP1B	X	8.974	1.79
44	MP1B	Z	-5.181	1.79
45	MP1B	Mx	.005	1.79
46	MP1B	X	8.974	3.79
47	MP1B	Z	-5.181	3.79
48	MP1B	Mx	.005	3.79
49	MP1C	X	15.188	1.79
50	MP1C	Z	-8.769	1.79
51	MP1C	Mx	-.004	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	X	15.188	3.79
53	MP1C	Z	-8.769	3.79
54	MP1C	Mx	-.004	3.79
55	MP2A	X	11.935	2.79
56	MP2A	Z	-6.891	2.79
57	MP2A	Mx	.006	2.79
58	MP2B	X	11.343	2.79
59	MP2B	Z	-6.549	2.79
60	MP2B	Mx	-.006	2.79
61	MP2C	X	14.158	2.79
62	MP2C	Z	-8.174	2.79
63	MP2C	Mx	.004	2.79
64	MP3A	X	10.667	2.79
65	MP3A	Z	-6.159	2.79
66	MP3A	Mx	.005	2.79
67	MP3B	X	10.667	2.79
68	MP3B	Z	-6.159	2.79
69	MP3B	Mx	.005	2.79
70	MP3C	X	10.667	2.79
71	MP3C	Z	-6.159	2.79
72	MP3C	Mx	.005	2.79
73	M100	X	22.218	1
74	M100	Z	-12.828	1
75	M100	Mx	0	1
76	MP4A	X	24.904	.5
77	MP4A	Z	-14.379	.5
78	MP4A	Mx	-.007	.5
79	MP4A	X	24.904	5.08
80	MP4A	Z	-14.379	5.08
81	MP4A	Mx	-.007	5.08
82	MP4B	X	16.681	.5
83	MP4B	Z	-9.631	.5
84	MP4B	Mx	.01	.5
85	MP4B	X	16.681	5.08
86	MP4B	Z	-9.631	5.08
87	MP4B	Mx	.01	5.08
88	MP4C	X	24.904	.5
89	MP4C	Z	-14.379	.5
90	MP4C	Mx	-.007	.5
91	MP4C	X	24.904	5.08
92	MP4C	Z	-14.379	5.08
93	MP4C	Mx	-.007	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	31.045	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.028	.5
4	MP3A	X	31.045	5.08
5	MP3A	Z	0	5.08
6	MP3A	Mx	-.028	5.08
7	MP3B	X	36.695	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.000539	.5
10	MP3B	X	36.695	5.08
11	MP3B	Z	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.000539	5.08
13	MP3C	X	40.673	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.031	.5
16	MP3C	X	40.673	5.08
17	MP3C	Z	0	5.08
18	MP3C	Mx	.031	5.08
19	MP3A	X	31.045	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.028	.5
22	MP3A	X	31.045	5.08
23	MP3A	Z	0	5.08
24	MP3A	Mx	-.028	5.08
25	MP3B	X	36.695	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.043	.5
28	MP3B	X	36.695	5.08
29	MP3B	Z	0	5.08
30	MP3B	Mx	.043	5.08
31	MP3C	X	40.673	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.031	.5
34	MP3C	X	40.673	5.08
35	MP3C	Z	0	5.08
36	MP3C	Mx	-.031	5.08
37	MP1A	X	9.037	1.79
38	MP1A	Z	0	1.79
39	MP1A	Mx	-.005	1.79
40	MP1A	X	9.037	3.79
41	MP1A	Z	0	3.79
42	MP1A	Mx	-.005	3.79
43	MP1B	X	15.688	1.79
44	MP1B	Z	0	1.79
45	MP1B	Mx	.005	1.79
46	MP1B	X	15.688	3.79
47	MP1B	Z	0	3.79
48	MP1B	Mx	.005	3.79
49	MP1C	X	20.371	1.79
50	MP1C	Z	0	1.79
51	MP1C	Mx	0	1.79
52	MP1C	X	20.371	3.79
53	MP1C	Z	0	3.79
54	MP1C	Mx	0	3.79
55	MP2A	X	12.497	2.79
56	MP2A	Z	0	2.79
57	MP2A	Mx	.006	2.79
58	MP2B	X	15.511	2.79
59	MP2B	Z	0	2.79
60	MP2B	Mx	-.005	2.79
61	MP2C	X	17.633	2.79
62	MP2C	Z	0	2.79
63	MP2C	Mx	0	2.79
64	MP3A	X	10.546	2.79
65	MP3A	Z	0	2.79
66	MP3A	Mx	.005	2.79
67	MP3B	X	10.546	2.79
68	MP3B	Z	0	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	.005	2.79
70	MP3C	X	10.546	2.79
71	MP3C	Z	0	2.79
72	MP3C	Mx	.005	2.79
73	M100	X	23.135	1
74	M100	Z	0	1
75	M100	Mx	0	1
76	MP4A	X	22.427	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.01	.5
79	MP4A	X	22.427	5.08
80	MP4A	Z	0	5.08
81	MP4A	Mx	-.01	5.08
82	MP4B	X	22.427	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	.01	.5
85	MP4B	X	22.427	5.08
86	MP4B	Z	0	5.08
87	MP4B	Mx	.01	5.08
88	MP4C	X	31.922	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	0	.5
91	MP4C	X	31.922	5.08
92	MP4C	Z	0	5.08
93	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	28.97	.5
2	MP3A	Z	16.726	.5
3	MP3A	Mx	-.015	.5
4	MP3A	X	28.97	5.08
5	MP3A	Z	16.726	5.08
6	MP3A	Mx	-.015	5.08
7	MP3B	X	34.973	.5
8	MP3B	Z	20.191	.5
9	MP3B	Mx	-.023	.5
10	MP3B	X	34.973	5.08
11	MP3B	Z	20.191	5.08
12	MP3B	Mx	-.023	5.08
13	MP3C	X	33.139	.5
14	MP3C	Z	19.133	.5
15	MP3C	Mx	.042	.5
16	MP3C	X	33.139	5.08
17	MP3C	Z	19.133	5.08
18	MP3C	Mx	.042	5.08
19	MP3A	X	28.97	.5
20	MP3A	Z	16.726	.5
21	MP3A	Mx	-.038	.5
22	MP3A	X	28.97	5.08
23	MP3A	Z	16.726	5.08
24	MP3A	Mx	-.038	5.08
25	MP3B	X	34.973	.5
26	MP3B	Z	20.191	.5
27	MP3B	Mx	.036	.5
28	MP3B	X	34.973	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	20.191	5.08
30	MP3B	Mx	.036	5.08
31	MP3C	X	33.139	.5
32	MP3C	Z	19.133	.5
33	MP3C	Mx	-.007	.5
34	MP3C	X	33.139	5.08
35	MP3C	Z	19.133	5.08
36	MP3C	Mx	-.007	5.08
37	MP1A	X	10.28	1.79
38	MP1A	Z	5.935	1.79
39	MP1A	Mx	-.005	1.79
40	MP1A	X	10.28	3.79
41	MP1A	Z	5.935	3.79
42	MP1A	Mx	-.005	3.79
43	MP1B	X	17.346	1.79
44	MP1B	Z	10.015	1.79
45	MP1B	Mx	.002	1.79
46	MP1B	X	17.346	3.79
47	MP1B	Z	10.015	3.79
48	MP1B	Mx	.002	3.79
49	MP1C	X	15.188	1.79
50	MP1C	Z	8.769	1.79
51	MP1C	Mx	.004	1.79
52	MP1C	X	15.188	3.79
53	MP1C	Z	8.769	3.79
54	MP1C	Mx	.004	3.79
55	MP2A	X	11.935	2.79
56	MP2A	Z	6.891	2.79
57	MP2A	Mx	.006	2.79
58	MP2B	X	15.136	2.79
59	MP2B	Z	8.739	2.79
60	MP2B	Mx	-.002	2.79
61	MP2C	X	14.158	2.79
62	MP2C	Z	8.174	2.79
63	MP2C	Mx	-.004	2.79
64	MP3A	X	10.667	2.79
65	MP3A	Z	6.159	2.79
66	MP3A	Mx	.005	2.79
67	MP3B	X	10.667	2.79
68	MP3B	Z	6.159	2.79
69	MP3B	Mx	.005	2.79
70	MP3C	X	10.667	2.79
71	MP3C	Z	6.159	2.79
72	MP3C	Mx	.005	2.79
73	M100	X	22.218	1
74	M100	Z	12.828	1
75	M100	Mx	0	1
76	MP4A	X	16.681	.5
77	MP4A	Z	9.631	.5
78	MP4A	Mx	-.01	.5
79	MP4A	X	16.681	5.08
80	MP4A	Z	9.631	5.08
81	MP4A	Mx	-.01	5.08
82	MP4B	X	24.904	.5
83	MP4B	Z	14.379	.5
84	MP4B	Mx	.007	.5
85	MP4B	X	24.904	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	14.379	5.08
87	MP4B	Mx	.007	5.08
88	MP4C	X	24.904	.5
89	MP4C	Z	14.379	.5
90	MP4C	Mx	.007	.5
91	MP4C	X	24.904	5.08
92	MP4C	Z	14.379	5.08
93	MP4C	Mx	.007	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	19.133	.5
2	MP3A	Z	33.139	.5
3	MP3A	Mx	.006	.5
4	MP3A	X	19.133	5.08
5	MP3A	Z	33.139	5.08
6	MP3A	Mx	.006	5.08
7	MP3B	X	19.773	.5
8	MP3B	Z	34.249	.5
9	MP3B	Mx	-.04	.5
10	MP3B	X	19.773	5.08
11	MP3B	Z	34.249	5.08
12	MP3B	Mx	-.04	5.08
13	MP3C	X	16.726	.5
14	MP3C	Z	28.97	.5
15	MP3C	Mx	.039	.5
16	MP3C	X	16.726	5.08
17	MP3C	Z	28.97	5.08
18	MP3C	Mx	.039	5.08
19	MP3A	X	19.133	.5
20	MP3A	Z	33.139	.5
21	MP3A	Mx	-.041	.5
22	MP3A	X	19.133	5.08
23	MP3A	Z	33.139	5.08
24	MP3A	Mx	-.041	5.08
25	MP3B	X	19.773	.5
26	MP3B	Z	34.249	.5
27	MP3B	Mx	.015	.5
28	MP3B	X	19.773	5.08
29	MP3B	Z	34.249	5.08
30	MP3B	Mx	.015	5.08
31	MP3C	X	16.726	.5
32	MP3C	Z	28.97	.5
33	MP3C	Mx	.014	.5
34	MP3C	X	16.726	5.08
35	MP3C	Z	28.97	5.08
36	MP3C	Mx	.014	5.08
37	MP1A	X	8.769	1.79
38	MP1A	Z	15.188	1.79
39	MP1A	Mx	-.004	1.79
40	MP1A	X	8.769	3.79
41	MP1A	Z	15.188	3.79
42	MP1A	Mx	-.004	3.79
43	MP1B	X	9.523	1.79
44	MP1B	Z	16.494	1.79
45	MP1B	Mx	-.003	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1B	X	9.523	3.79
47	MP1B	Z	16.494	3.79
48	MP1B	Mx	-.003	3.79
49	MP1C	X	5.935	1.79
50	MP1C	Z	10.28	1.79
51	MP1C	Mx	.005	1.79
52	MP1C	X	5.935	3.79
53	MP1C	Z	10.28	3.79
54	MP1C	Mx	.005	3.79
55	MP2A	X	8.174	2.79
56	MP2A	Z	14.158	2.79
57	MP2A	Mx	.004	2.79
58	MP2B	X	8.516	2.79
59	MP2B	Z	14.75	2.79
60	MP2B	Mx	.003	2.79
61	MP2C	X	6.891	2.79
62	MP2C	Z	11.935	2.79
63	MP2C	Mx	-.006	2.79
64	MP3A	X	7.93	2.79
65	MP3A	Z	13.736	2.79
66	MP3A	Mx	.004	2.79
67	MP3B	X	7.93	2.79
68	MP3B	Z	13.736	2.79
69	MP3B	Mx	.004	2.79
70	MP3C	X	7.93	2.79
71	MP3C	Z	13.736	2.79
72	MP3C	Mx	.004	2.79
73	M100	X	15.348	1
74	M100	Z	26.583	1
75	M100	Mx	0	1
76	MP4A	X	11.213	.5
77	MP4A	Z	19.422	.5
78	MP4A	Mx	-.01	.5
79	MP4A	X	11.213	5.08
80	MP4A	Z	19.422	5.08
81	MP4A	Mx	-.01	5.08
82	MP4B	X	15.961	.5
83	MP4B	Z	27.646	.5
84	MP4B	Mx	0	.5
85	MP4B	X	15.961	5.08
86	MP4B	Z	27.646	5.08
87	MP4B	Mx	0	5.08
88	MP4C	X	11.213	.5
89	MP4C	Z	19.422	.5
90	MP4C	Mx	.01	.5
91	MP4C	X	11.213	5.08
92	MP4C	Z	19.422	5.08
93	MP4C	Mx	.01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	40.673	.5
3	MP3A	Mx	.029	.5
4	MP3A	X	0	5.08
5	MP3A	Z	40.673	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	.029	5.08
7	MP3B	X	0	.5
8	MP3B	Z	35.023	.5
9	MP3B	Mx	-.041	.5
10	MP3B	X	0	5.08
11	MP3B	Z	35.023	5.08
12	MP3B	Mx	-.041	5.08
13	MP3C	X	0	.5
14	MP3C	Z	31.045	.5
15	MP3C	Mx	.028	.5
16	MP3C	X	0	5.08
17	MP3C	Z	31.045	5.08
18	MP3C	Mx	.028	5.08
19	MP3A	X	0	.5
20	MP3A	Z	40.673	.5
21	MP3A	Mx	-.029	.5
22	MP3A	X	0	5.08
23	MP3A	Z	40.673	5.08
24	MP3A	Mx	-.029	5.08
25	MP3B	X	0	.5
26	MP3B	Z	35.023	.5
27	MP3B	Mx	-.008	.5
28	MP3B	X	0	5.08
29	MP3B	Z	35.023	5.08
30	MP3B	Mx	-.008	5.08
31	MP3C	X	0	.5
32	MP3C	Z	31.045	.5
33	MP3C	Mx	.028	.5
34	MP3C	X	0	5.08
35	MP3C	Z	31.045	5.08
36	MP3C	Mx	.028	5.08
37	MP1A	X	0	1.79
38	MP1A	Z	20.371	1.79
39	MP1A	Mx	0	1.79
40	MP1A	X	0	3.79
41	MP1A	Z	20.371	3.79
42	MP1A	Mx	0	3.79
43	MP1B	X	0	1.79
44	MP1B	Z	13.72	1.79
45	MP1B	Mx	-.005	1.79
46	MP1B	X	0	3.79
47	MP1B	Z	13.72	3.79
48	MP1B	Mx	-.005	3.79
49	MP1C	X	0	1.79
50	MP1C	Z	9.037	1.79
51	MP1C	Mx	.005	1.79
52	MP1C	X	0	3.79
53	MP1C	Z	9.037	3.79
54	MP1C	Mx	.005	3.79
55	MP2A	X	0	2.79
56	MP2A	Z	17.633	2.79
57	MP2A	Mx	0	2.79
58	MP2B	X	0	2.79
59	MP2B	Z	14.619	2.79
60	MP2B	Mx	.006	2.79
61	MP2C	X	0	2.79
62	MP2C	Z	12.497	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	-.006	2.79
64	MP3A	X	0	2.79
65	MP3A	Z	17.633	2.79
66	MP3A	Mx	0	2.79
67	MP3B	X	0	2.79
68	MP3B	Z	17.633	2.79
69	MP3B	Mx	0	2.79
70	MP3C	X	0	2.79
71	MP3C	Z	17.633	2.79
72	MP3C	Mx	0	2.79
73	M100	X	0	1
74	M100	Z	33.216	1
75	M100	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	28.757	.5
78	MP4A	Mx	-.007	.5
79	MP4A	X	0	5.08
80	MP4A	Z	28.757	5.08
81	MP4A	Mx	-.007	5.08
82	MP4B	X	0	.5
83	MP4B	Z	28.757	.5
84	MP4B	Mx	-.007	.5
85	MP4B	X	0	5.08
86	MP4B	Z	28.757	5.08
87	MP4B	Mx	-.007	5.08
88	MP4C	X	0	.5
89	MP4C	Z	19.262	.5
90	MP4C	Mx	.01	.5
91	MP4C	X	0	5.08
92	MP4C	Z	19.262	5.08
93	MP4C	Mx	.01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-19.133	.5
2	MP3A	Z	33.139	.5
3	MP3A	Mx	.041	.5
4	MP3A	X	-19.133	5.08
5	MP3A	Z	33.139	5.08
6	MP3A	Mx	.041	5.08
7	MP3B	X	-15.668	.5
8	MP3B	Z	27.137	.5
9	MP3B	Mx	-.032	.5
10	MP3B	X	-15.668	5.08
11	MP3B	Z	27.137	5.08
12	MP3B	Mx	-.032	5.08
13	MP3C	X	-16.726	.5
14	MP3C	Z	28.97	.5
15	MP3C	Mx	.014	.5
16	MP3C	X	-16.726	5.08
17	MP3C	Z	28.97	5.08
18	MP3C	Mx	.014	5.08
19	MP3A	X	-19.133	.5
20	MP3A	Z	33.139	.5
21	MP3A	Mx	-.006	.5
22	MP3A	X	-19.133	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	33.139	5.08
24	MP3A	Mx	-.006	5.08
25	MP3B	X	-15.668	.5
26	MP3B	Z	27.137	.5
27	MP3B	Mx	-.024	.5
28	MP3B	X	-15.668	5.08
29	MP3B	Z	27.137	5.08
30	MP3B	Mx	-.024	5.08
31	MP3C	X	-16.726	.5
32	MP3C	Z	28.97	.5
33	MP3C	Mx	.039	.5
34	MP3C	X	-16.726	5.08
35	MP3C	Z	28.97	5.08
36	MP3C	Mx	.039	5.08
37	MP1A	X	-8.769	1.79
38	MP1A	Z	15.188	1.79
39	MP1A	Mx	.004	1.79
40	MP1A	X	-8.769	3.79
41	MP1A	Z	15.188	3.79
42	MP1A	Mx	.004	3.79
43	MP1B	X	-4.689	1.79
44	MP1B	Z	8.122	1.79
45	MP1B	Mx	-.005	1.79
46	MP1B	X	-4.689	3.79
47	MP1B	Z	8.122	3.79
48	MP1B	Mx	-.005	3.79
49	MP1C	X	-5.935	1.79
50	MP1C	Z	10.28	1.79
51	MP1C	Mx	.005	1.79
52	MP1C	X	-5.935	3.79
53	MP1C	Z	10.28	3.79
54	MP1C	Mx	.005	3.79
55	MP2A	X	-8.174	2.79
56	MP2A	Z	14.158	2.79
57	MP2A	Mx	-.004	2.79
58	MP2B	X	-6.326	2.79
59	MP2B	Z	10.957	2.79
60	MP2B	Mx	.006	2.79
61	MP2C	X	-6.891	2.79
62	MP2C	Z	11.935	2.79
63	MP2C	Mx	-.006	2.79
64	MP3A	X	-7.93	2.79
65	MP3A	Z	13.736	2.79
66	MP3A	Mx	-.004	2.79
67	MP3B	X	-7.93	2.79
68	MP3B	Z	13.736	2.79
69	MP3B	Mx	-.004	2.79
70	MP3C	X	-7.93	2.79
71	MP3C	Z	13.736	2.79
72	MP3C	Mx	-.004	2.79
73	M100	X	-15.348	1
74	M100	Z	26.583	1
75	M100	Mx	0	1
76	MP4A	X	-15.961	.5
77	MP4A	Z	27.646	.5
78	MP4A	Mx	0	.5
79	MP4A	X	-15.961	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	27.646	5.08
81	MP4A	Mx	0	5.08
82	MP4B	X	-11.213	.5
83	MP4B	Z	19.422	.5
84	MP4B	Mx	-.01	.5
85	MP4B	X	-11.213	5.08
86	MP4B	Z	19.422	5.08
87	MP4B	Mx	-.01	5.08
88	MP4C	X	-11.213	.5
89	MP4C	Z	19.422	.5
90	MP4C	Mx	.01	.5
91	MP4C	X	-11.213	5.08
92	MP4C	Z	19.422	5.08
93	MP4C	Mx	.01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-28.97	.5
2	MP3A	Z	16.726	.5
3	MP3A	Mx	.038	.5
4	MP3A	X	-28.97	5.08
5	MP3A	Z	16.726	5.08
6	MP3A	Mx	.038	5.08
7	MP3B	X	-27.861	.5
8	MP3B	Z	16.086	.5
9	MP3B	Mx	-.019	.5
10	MP3B	X	-27.861	5.08
11	MP3B	Z	16.086	5.08
12	MP3B	Mx	-.019	5.08
13	MP3C	X	-33.139	.5
14	MP3C	Z	19.133	.5
15	MP3C	Mx	-.007	.5
16	MP3C	X	-33.139	5.08
17	MP3C	Z	19.133	5.08
18	MP3C	Mx	-.007	5.08
19	MP3A	X	-28.97	.5
20	MP3A	Z	16.726	.5
21	MP3A	Mx	.015	.5
22	MP3A	X	-28.97	5.08
23	MP3A	Z	16.726	5.08
24	MP3A	Mx	.015	5.08
25	MP3B	X	-27.861	.5
26	MP3B	Z	16.086	.5
27	MP3B	Mx	-.036	.5
28	MP3B	X	-27.861	5.08
29	MP3B	Z	16.086	5.08
30	MP3B	Mx	-.036	5.08
31	MP3C	X	-33.139	.5
32	MP3C	Z	19.133	.5
33	MP3C	Mx	.042	.5
34	MP3C	X	-33.139	5.08
35	MP3C	Z	19.133	5.08
36	MP3C	Mx	.042	5.08
37	MP1A	X	-10.28	1.79
38	MP1A	Z	5.935	1.79
39	MP1A	Mx	.005	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	-10.28	3.79
41	MP1A	Z	5.935	3.79
42	MP1A	Mx	.005	3.79
43	MP1B	X	-8.974	1.79
44	MP1B	Z	5.181	1.79
45	MP1B	Mx	-.005	1.79
46	MP1B	X	-8.974	3.79
47	MP1B	Z	5.181	3.79
48	MP1B	Mx	-.005	3.79
49	MP1C	X	-15.188	1.79
50	MP1C	Z	8.769	1.79
51	MP1C	Mx	.004	1.79
52	MP1C	X	-15.188	3.79
53	MP1C	Z	8.769	3.79
54	MP1C	Mx	.004	3.79
55	MP2A	X	-11.935	2.79
56	MP2A	Z	6.891	2.79
57	MP2A	Mx	-.006	2.79
58	MP2B	X	-11.343	2.79
59	MP2B	Z	6.549	2.79
60	MP2B	Mx	.006	2.79
61	MP2C	X	-14.158	2.79
62	MP2C	Z	8.174	2.79
63	MP2C	Mx	-.004	2.79
64	MP3A	X	-10.667	2.79
65	MP3A	Z	6.159	2.79
66	MP3A	Mx	-.005	2.79
67	MP3B	X	-10.667	2.79
68	MP3B	Z	6.159	2.79
69	MP3B	Mx	-.005	2.79
70	MP3C	X	-10.667	2.79
71	MP3C	Z	6.159	2.79
72	MP3C	Mx	-.005	2.79
73	M100	X	-22.218	1
74	M100	Z	12.828	1
75	M100	Mx	0	1
76	MP4A	X	-24.904	.5
77	MP4A	Z	14.379	.5
78	MP4A	Mx	.007	.5
79	MP4A	X	-24.904	5.08
80	MP4A	Z	14.379	5.08
81	MP4A	Mx	.007	5.08
82	MP4B	X	-16.681	.5
83	MP4B	Z	9.631	.5
84	MP4B	Mx	-.01	.5
85	MP4B	X	-16.681	5.08
86	MP4B	Z	9.631	5.08
87	MP4B	Mx	-.01	5.08
88	MP4C	X	-24.904	.5
89	MP4C	Z	14.379	.5
90	MP4C	Mx	.007	.5
91	MP4C	X	-24.904	5.08
92	MP4C	Z	14.379	5.08
93	MP4C	Mx	.007	5.08

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-31.045	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.028	.5
4	MP3A	X	-31.045	5.08
5	MP3A	Z	0	5.08
6	MP3A	Mx	.028	5.08
7	MP3B	X	-36.695	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.000539	.5
10	MP3B	X	-36.695	5.08
11	MP3B	Z	0	5.08
12	MP3B	Mx	-.000539	5.08
13	MP3C	X	-40.673	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.031	.5
16	MP3C	X	-40.673	5.08
17	MP3C	Z	0	5.08
18	MP3C	Mx	-.031	5.08
19	MP3A	X	-31.045	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.028	.5
22	MP3A	X	-31.045	5.08
23	MP3A	Z	0	5.08
24	MP3A	Mx	.028	5.08
25	MP3B	X	-36.695	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.043	.5
28	MP3B	X	-36.695	5.08
29	MP3B	Z	0	5.08
30	MP3B	Mx	-.043	5.08
31	MP3C	X	-40.673	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.031	.5
34	MP3C	X	-40.673	5.08
35	MP3C	Z	0	5.08
36	MP3C	Mx	.031	5.08
37	MP1A	X	-9.037	1.79
38	MP1A	Z	0	1.79
39	MP1A	Mx	.005	1.79
40	MP1A	X	-9.037	3.79
41	MP1A	Z	0	3.79
42	MP1A	Mx	.005	3.79
43	MP1B	X	-15.688	1.79
44	MP1B	Z	0	1.79
45	MP1B	Mx	-.005	1.79
46	MP1B	X	-15.688	3.79
47	MP1B	Z	0	3.79
48	MP1B	Mx	-.005	3.79
49	MP1C	X	-20.371	1.79
50	MP1C	Z	0	1.79
51	MP1C	Mx	0	1.79
52	MP1C	X	-20.371	3.79
53	MP1C	Z	0	3.79
54	MP1C	Mx	0	3.79
55	MP2A	X	-12.497	2.79
56	MP2A	Z	0	2.79
57	MP2A	Mx	-.006	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-15.511	2.79
59	MP2B	Z	0	2.79
60	MP2B	Mx	.005	2.79
61	MP2C	X	-17.633	2.79
62	MP2C	Z	0	2.79
63	MP2C	Mx	0	2.79
64	MP3A	X	-10.546	2.79
65	MP3A	Z	0	2.79
66	MP3A	Mx	-.005	2.79
67	MP3B	X	-10.546	2.79
68	MP3B	Z	0	2.79
69	MP3B	Mx	-.005	2.79
70	MP3C	X	-10.546	2.79
71	MP3C	Z	0	2.79
72	MP3C	Mx	-.005	2.79
73	M100	X	-23.135	1
74	M100	Z	0	1
75	M100	Mx	0	1
76	MP4A	X	-22.427	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.01	.5
79	MP4A	X	-22.427	5.08
80	MP4A	Z	0	5.08
81	MP4A	Mx	.01	5.08
82	MP4B	X	-22.427	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	-.01	.5
85	MP4B	X	-22.427	5.08
86	MP4B	Z	0	5.08
87	MP4B	Mx	-.01	5.08
88	MP4C	X	-31.922	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	0	.5
91	MP4C	X	-31.922	5.08
92	MP4C	Z	0	5.08
93	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-28.97	.5
2	MP3A	Z	-16.726	.5
3	MP3A	Mx	.015	.5
4	MP3A	X	-28.97	5.08
5	MP3A	Z	-16.726	5.08
6	MP3A	Mx	.015	5.08
7	MP3B	X	-34.973	.5
8	MP3B	Z	-20.191	.5
9	MP3B	Mx	.023	.5
10	MP3B	X	-34.973	5.08
11	MP3B	Z	-20.191	5.08
12	MP3B	Mx	.023	5.08
13	MP3C	X	-33.139	.5
14	MP3C	Z	-19.133	.5
15	MP3C	Mx	-.042	.5
16	MP3C	X	-33.139	5.08
17	MP3C	Z	-19.133	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.042	5.08
19	MP3A	X	-28.97	.5
20	MP3A	Z	-16.726	.5
21	MP3A	Mx	.038	.5
22	MP3A	X	-28.97	5.08
23	MP3A	Z	-16.726	5.08
24	MP3A	Mx	.038	5.08
25	MP3B	X	-34.973	.5
26	MP3B	Z	-20.191	.5
27	MP3B	Mx	-.036	.5
28	MP3B	X	-34.973	5.08
29	MP3B	Z	-20.191	5.08
30	MP3B	Mx	-.036	5.08
31	MP3C	X	-33.139	.5
32	MP3C	Z	-19.133	.5
33	MP3C	Mx	.007	.5
34	MP3C	X	-33.139	5.08
35	MP3C	Z	-19.133	5.08
36	MP3C	Mx	.007	5.08
37	MP1A	X	-10.28	1.79
38	MP1A	Z	-5.935	1.79
39	MP1A	Mx	.005	1.79
40	MP1A	X	-10.28	3.79
41	MP1A	Z	-5.935	3.79
42	MP1A	Mx	.005	3.79
43	MP1B	X	-17.346	1.79
44	MP1B	Z	-10.015	1.79
45	MP1B	Mx	-.002	1.79
46	MP1B	X	-17.346	3.79
47	MP1B	Z	-10.015	3.79
48	MP1B	Mx	-.002	3.79
49	MP1C	X	-15.188	1.79
50	MP1C	Z	-8.769	1.79
51	MP1C	Mx	-.004	1.79
52	MP1C	X	-15.188	3.79
53	MP1C	Z	-8.769	3.79
54	MP1C	Mx	-.004	3.79
55	MP2A	X	-11.935	2.79
56	MP2A	Z	-6.891	2.79
57	MP2A	Mx	-.006	2.79
58	MP2B	X	-15.136	2.79
59	MP2B	Z	-8.739	2.79
60	MP2B	Mx	.002	2.79
61	MP2C	X	-14.158	2.79
62	MP2C	Z	-8.174	2.79
63	MP2C	Mx	.004	2.79
64	MP3A	X	-10.667	2.79
65	MP3A	Z	-6.159	2.79
66	MP3A	Mx	-.005	2.79
67	MP3B	X	-10.667	2.79
68	MP3B	Z	-6.159	2.79
69	MP3B	Mx	-.005	2.79
70	MP3C	X	-10.667	2.79
71	MP3C	Z	-6.159	2.79
72	MP3C	Mx	-.005	2.79
73	M100	X	-22.218	1
74	M100	Z	-12.828	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	M100	Mx	0	1
76	MP4A	X	-16.681	.5
77	MP4A	Z	-9.631	.5
78	MP4A	Mx	.01	.5
79	MP4A	X	-16.681	5.08
80	MP4A	Z	-9.631	5.08
81	MP4A	Mx	.01	5.08
82	MP4B	X	-24.904	.5
83	MP4B	Z	-14.379	.5
84	MP4B	Mx	-.007	.5
85	MP4B	X	-24.904	5.08
86	MP4B	Z	-14.379	5.08
87	MP4B	Mx	-.007	5.08
88	MP4C	X	-24.904	.5
89	MP4C	Z	-14.379	.5
90	MP4C	Mx	-.007	.5
91	MP4C	X	-24.904	5.08
92	MP4C	Z	-14.379	5.08
93	MP4C	Mx	-.007	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-19.133	.5
2	MP3A	Z	-33.139	.5
3	MP3A	Mx	-.006	.5
4	MP3A	X	-19.133	5.08
5	MP3A	Z	-33.139	5.08
6	MP3A	Mx	-.006	5.08
7	MP3B	X	-19.773	.5
8	MP3B	Z	-34.249	.5
9	MP3B	Mx	.04	.5
10	MP3B	X	-19.773	5.08
11	MP3B	Z	-34.249	5.08
12	MP3B	Mx	.04	5.08
13	MP3C	X	-16.726	.5
14	MP3C	Z	-28.97	.5
15	MP3C	Mx	-.039	.5
16	MP3C	X	-16.726	5.08
17	MP3C	Z	-28.97	5.08
18	MP3C	Mx	-.039	5.08
19	MP3A	X	-19.133	.5
20	MP3A	Z	-33.139	.5
21	MP3A	Mx	.041	.5
22	MP3A	X	-19.133	5.08
23	MP3A	Z	-33.139	5.08
24	MP3A	Mx	.041	5.08
25	MP3B	X	-19.773	.5
26	MP3B	Z	-34.249	.5
27	MP3B	Mx	-.015	.5
28	MP3B	X	-19.773	5.08
29	MP3B	Z	-34.249	5.08
30	MP3B	Mx	-.015	5.08
31	MP3C	X	-16.726	.5
32	MP3C	Z	-28.97	.5
33	MP3C	Mx	-.014	.5
34	MP3C	X	-16.726	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	-28.97	5.08
36	MP3C	Mx	-.014	5.08
37	MP1A	X	-8.769	1.79
38	MP1A	Z	-15.188	1.79
39	MP1A	Mx	.004	1.79
40	MP1A	X	-8.769	3.79
41	MP1A	Z	-15.188	3.79
42	MP1A	Mx	.004	3.79
43	MP1B	X	-9.523	1.79
44	MP1B	Z	-16.494	1.79
45	MP1B	Mx	.003	1.79
46	MP1B	X	-9.523	3.79
47	MP1B	Z	-16.494	3.79
48	MP1B	Mx	.003	3.79
49	MP1C	X	-5.935	1.79
50	MP1C	Z	-10.28	1.79
51	MP1C	Mx	-.005	1.79
52	MP1C	X	-5.935	3.79
53	MP1C	Z	-10.28	3.79
54	MP1C	Mx	-.005	3.79
55	MP2A	X	-8.174	2.79
56	MP2A	Z	-14.158	2.79
57	MP2A	Mx	-.004	2.79
58	MP2B	X	-8.516	2.79
59	MP2B	Z	-14.75	2.79
60	MP2B	Mx	-.003	2.79
61	MP2C	X	-6.891	2.79
62	MP2C	Z	-11.935	2.79
63	MP2C	Mx	.006	2.79
64	MP3A	X	-7.93	2.79
65	MP3A	Z	-13.736	2.79
66	MP3A	Mx	-.004	2.79
67	MP3B	X	-7.93	2.79
68	MP3B	Z	-13.736	2.79
69	MP3B	Mx	-.004	2.79
70	MP3C	X	-7.93	2.79
71	MP3C	Z	-13.736	2.79
72	MP3C	Mx	-.004	2.79
73	M100	X	-15.348	1
74	M100	Z	-26.583	1
75	M100	Mx	0	1
76	MP4A	X	-11.213	.5
77	MP4A	Z	-19.422	.5
78	MP4A	Mx	.01	.5
79	MP4A	X	-11.213	5.08
80	MP4A	Z	-19.422	5.08
81	MP4A	Mx	.01	5.08
82	MP4B	X	-15.961	.5
83	MP4B	Z	-27.646	.5
84	MP4B	Mx	0	.5
85	MP4B	X	-15.961	5.08
86	MP4B	Z	-27.646	5.08
87	MP4B	Mx	0	5.08
88	MP4C	X	-11.213	.5
89	MP4C	Z	-19.422	.5
90	MP4C	Mx	-.01	.5
91	MP4C	X	-11.213	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4C	Z	-19.422	5.08
93	MP4C	Mx	-.01	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	-12.881	.5
3	MP3A	Mx	-.009	.5
4	MP3A	X	0	5.08
5	MP3A	Z	-12.881	5.08
6	MP3A	Mx	-.009	5.08
7	MP3B	X	0	.5
8	MP3B	Z	-10.942	.5
9	MP3B	Mx	.013	.5
10	MP3B	X	0	5.08
11	MP3B	Z	-10.942	5.08
12	MP3B	Mx	.013	5.08
13	MP3C	X	0	.5
14	MP3C	Z	-9.576	.5
15	MP3C	Mx	-.009	.5
16	MP3C	X	0	5.08
17	MP3C	Z	-9.576	5.08
18	MP3C	Mx	-.009	5.08
19	MP3A	X	0	.5
20	MP3A	Z	-12.881	.5
21	MP3A	Mx	.009	.5
22	MP3A	X	0	5.08
23	MP3A	Z	-12.881	5.08
24	MP3A	Mx	.009	5.08
25	MP3B	X	0	.5
26	MP3B	Z	-10.942	.5
27	MP3B	Mx	.002	.5
28	MP3B	X	0	5.08
29	MP3B	Z	-10.942	5.08
30	MP3B	Mx	.002	5.08
31	MP3C	X	0	.5
32	MP3C	Z	-9.576	.5
33	MP3C	Mx	-.009	.5
34	MP3C	X	0	5.08
35	MP3C	Z	-9.576	5.08
36	MP3C	Mx	-.009	5.08
37	MP1A	X	0	1.79
38	MP1A	Z	-6.134	1.79
39	MP1A	Mx	0	1.79
40	MP1A	X	0	3.79
41	MP1A	Z	-6.134	3.79
42	MP1A	Mx	0	3.79
43	MP1B	X	0	1.79
44	MP1B	Z	-3.943	1.79
45	MP1B	Mx	.002	1.79
46	MP1B	X	0	3.79
47	MP1B	Z	-3.943	3.79
48	MP1B	Mx	.002	3.79
49	MP1C	X	0	1.79
50	MP1C	Z	-2.401	1.79
51	MP1C	Mx	-.001	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	X	0	3.79
53	MP1C	Z	-2.401	3.79
54	MP1C	Mx	-.001	3.79
55	MP2A	X	0	2.79
56	MP2A	Z	-4.881	2.79
57	MP2A	Mx	0	2.79
58	MP2B	X	0	2.79
59	MP2B	Z	-3.931	2.79
60	MP2B	Mx	-.002	2.79
61	MP2C	X	0	2.79
62	MP2C	Z	-3.263	2.79
63	MP2C	Mx	.002	2.79
64	MP3A	X	0	2.79
65	MP3A	Z	-4.881	2.79
66	MP3A	Mx	0	2.79
67	MP3B	X	0	2.79
68	MP3B	Z	-4.881	2.79
69	MP3B	Mx	0	2.79
70	MP3C	X	0	2.79
71	MP3C	Z	-4.881	2.79
72	MP3C	Mx	0	2.79
73	M100	X	0	1
74	M100	Z	-9.892	1
75	M100	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	-8.766	.5
78	MP4A	Mx	.002	.5
79	MP4A	X	0	5.08
80	MP4A	Z	-8.766	5.08
81	MP4A	Mx	.002	5.08
82	MP4B	X	0	.5
83	MP4B	Z	-8.766	.5
84	MP4B	Mx	.002	.5
85	MP4B	X	0	5.08
86	MP4B	Z	-8.766	5.08
87	MP4B	Mx	.002	5.08
88	MP4C	X	0	.5
89	MP4C	Z	-5.426	.5
90	MP4C	Mx	-.003	.5
91	MP4C	X	0	5.08
92	MP4C	Z	-5.426	5.08
93	MP4C	Mx	-.003	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.027	.5
2	MP3A	Z	-10.44	.5
3	MP3A	Mx	-.013	.5
4	MP3A	X	6.027	5.08
5	MP3A	Z	-10.44	5.08
6	MP3A	Mx	-.013	5.08
7	MP3B	X	4.838	.5
8	MP3B	Z	-8.38	.5
9	MP3B	Mx	.01	.5
10	MP3B	X	4.838	5.08
11	MP3B	Z	-8.38	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.01	5.08
13	MP3C	X	5.201	.5
14	MP3C	Z	-9.009	.5
15	MP3C	Mx	-.004	.5
16	MP3C	X	5.201	5.08
17	MP3C	Z	-9.009	5.08
18	MP3C	Mx	-.004	5.08
19	MP3A	X	6.027	.5
20	MP3A	Z	-10.44	.5
21	MP3A	Mx	.002	.5
22	MP3A	X	6.027	5.08
23	MP3A	Z	-10.44	5.08
24	MP3A	Mx	.002	5.08
25	MP3B	X	4.838	.5
26	MP3B	Z	-8.38	.5
27	MP3B	Mx	.007	.5
28	MP3B	X	4.838	5.08
29	MP3B	Z	-8.38	5.08
30	MP3B	Mx	.007	5.08
31	MP3C	X	5.201	.5
32	MP3C	Z	-9.009	.5
33	MP3C	Mx	-.012	.5
34	MP3C	X	5.201	5.08
35	MP3C	Z	-9.009	5.08
36	MP3C	Mx	-.012	5.08
37	MP1A	X	2.6	1.79
38	MP1A	Z	-4.504	1.79
39	MP1A	Mx	-.001	1.79
40	MP1A	X	2.6	3.79
41	MP1A	Z	-4.504	3.79
42	MP1A	Mx	-.001	3.79
43	MP1B	X	1.257	1.79
44	MP1B	Z	-2.177	1.79
45	MP1B	Mx	.001	1.79
46	MP1B	X	1.257	3.79
47	MP1B	Z	-2.177	3.79
48	MP1B	Mx	.001	3.79
49	MP1C	X	1.667	1.79
50	MP1C	Z	-2.888	1.79
51	MP1C	Mx	-.001	1.79
52	MP1C	X	1.667	3.79
53	MP1C	Z	-2.888	3.79
54	MP1C	Mx	-.001	3.79
55	MP2A	X	2.238	2.79
56	MP2A	Z	-3.877	2.79
57	MP2A	Mx	.001	2.79
58	MP2B	X	1.656	2.79
59	MP2B	Z	-2.868	2.79
60	MP2B	Mx	-.002	2.79
61	MP2C	X	1.834	2.79
62	MP2C	Z	-3.176	2.79
63	MP2C	Mx	.002	2.79
64	MP3A	X	2.161	2.79
65	MP3A	Z	-3.742	2.79
66	MP3A	Mx	.001	2.79
67	MP3B	X	2.161	2.79
68	MP3B	Z	-3.742	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	.001	2.79
70	MP3C	X	2.161	2.79
71	MP3C	Z	-3.742	2.79
72	MP3C	Mx	.001	2.79
73	M100	X	4.528	1
74	M100	Z	-7.843	1
75	M100	Mx	0	1
76	MP4A	X	4.94	.5
77	MP4A	Z	-8.556	.5
78	MP4A	Mx	0	.5
79	MP4A	X	4.94	5.08
80	MP4A	Z	-8.556	5.08
81	MP4A	Mx	0	5.08
82	MP4B	X	3.27	.5
83	MP4B	Z	-5.663	.5
84	MP4B	Mx	.003	.5
85	MP4B	X	3.27	5.08
86	MP4B	Z	-5.663	5.08
87	MP4B	Mx	.003	5.08
88	MP4C	X	3.27	.5
89	MP4C	Z	-5.663	.5
90	MP4C	Mx	-.003	.5
91	MP4C	X	3.27	5.08
92	MP4C	Z	-5.663	5.08
93	MP4C	Mx	-.003	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.009	.5
2	MP3A	Z	-5.201	.5
3	MP3A	Mx	-.012	.5
4	MP3A	X	9.009	5.08
5	MP3A	Z	-5.201	5.08
6	MP3A	Mx	-.012	5.08
7	MP3B	X	8.628	.5
8	MP3B	Z	-4.981	.5
9	MP3B	Mx	.006	.5
10	MP3B	X	8.628	5.08
11	MP3B	Z	-4.981	5.08
12	MP3B	Mx	.006	5.08
13	MP3C	X	10.44	.5
14	MP3C	Z	-6.027	.5
15	MP3C	Mx	.002	.5
16	MP3C	X	10.44	5.08
17	MP3C	Z	-6.027	5.08
18	MP3C	Mx	.002	5.08
19	MP3A	X	9.009	.5
20	MP3A	Z	-5.201	.5
21	MP3A	Mx	-.005	.5
22	MP3A	X	9.009	5.08
23	MP3A	Z	-5.201	5.08
24	MP3A	Mx	-.005	5.08
25	MP3B	X	8.628	.5
26	MP3B	Z	-4.981	.5
27	MP3B	Mx	.011	.5
28	MP3B	X	8.628	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP3B	Z	-4.981	5.08
30	MP3B	Mx	.011	5.08
31	MP3C	X	10.44	.5
32	MP3C	Z	-6.027	.5
33	MP3C	Mx	-.013	.5
34	MP3C	X	10.44	5.08
35	MP3C	Z	-6.027	5.08
36	MP3C	Mx	-.013	5.08
37	MP1A	X	2.888	1.79
38	MP1A	Z	-1.667	1.79
39	MP1A	Mx	-.001	1.79
40	MP1A	X	2.888	3.79
41	MP1A	Z	-1.667	3.79
42	MP1A	Mx	-.001	3.79
43	MP1B	X	2.458	1.79
44	MP1B	Z	-1.419	1.79
45	MP1B	Mx	.001	1.79
46	MP1B	X	2.458	3.79
47	MP1B	Z	-1.419	3.79
48	MP1B	Mx	.001	3.79
49	MP1C	X	4.504	1.79
50	MP1C	Z	-2.6	1.79
51	MP1C	Mx	-.001	1.79
52	MP1C	X	4.504	3.79
53	MP1C	Z	-2.6	3.79
54	MP1C	Mx	-.001	3.79
55	MP2A	X	3.176	2.79
56	MP2A	Z	-1.834	2.79
57	MP2A	Mx	.002	2.79
58	MP2B	X	2.989	2.79
59	MP2B	Z	-1.726	2.79
60	MP2B	Mx	-.002	2.79
61	MP2C	X	3.877	2.79
62	MP2C	Z	-2.238	2.79
63	MP2C	Mx	.001	2.79
64	MP3A	X	2.773	2.79
65	MP3A	Z	-1.601	2.79
66	MP3A	Mx	.001	2.79
67	MP3B	X	2.773	2.79
68	MP3B	Z	-1.601	2.79
69	MP3B	Mx	.001	2.79
70	MP3C	X	2.773	2.79
71	MP3C	Z	-1.601	2.79
72	MP3C	Mx	.001	2.79
73	M100	X	6.395	1
74	M100	Z	-3.692	1
75	M100	Mx	0	1
76	MP4A	X	7.592	.5
77	MP4A	Z	-4.383	.5
78	MP4A	Mx	-.002	.5
79	MP4A	X	7.592	5.08
80	MP4A	Z	-4.383	5.08
81	MP4A	Mx	-.002	5.08
82	MP4B	X	4.699	.5
83	MP4B	Z	-2.713	.5
84	MP4B	Mx	.003	.5
85	MP4B	X	4.699	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	-2.713	5.08
87	MP4B	Mx	.003	5.08
88	MP4C	X	7.592	.5
89	MP4C	Z	-4.383	.5
90	MP4C	Mx	-.002	.5
91	MP4C	X	7.592	5.08
92	MP4C	Z	-4.383	5.08
93	MP4C	Mx	-.002	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.576	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	-.009	.5
4	MP3A	X	9.576	5.08
5	MP3A	Z	0	5.08
6	MP3A	Mx	-.009	5.08
7	MP3B	X	11.515	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	.000169	.5
10	MP3B	X	11.515	5.08
11	MP3B	Z	0	5.08
12	MP3B	Mx	.000169	5.08
13	MP3C	X	12.881	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	.01	.5
16	MP3C	X	12.881	5.08
17	MP3C	Z	0	5.08
18	MP3C	Mx	.01	5.08
19	MP3A	X	9.576	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	-.009	.5
22	MP3A	X	9.576	5.08
23	MP3A	Z	0	5.08
24	MP3A	Mx	-.009	5.08
25	MP3B	X	11.515	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	.013	.5
28	MP3B	X	11.515	5.08
29	MP3B	Z	0	5.08
30	MP3B	Mx	.013	5.08
31	MP3C	X	12.881	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	-.01	.5
34	MP3C	X	12.881	5.08
35	MP3C	Z	0	5.08
36	MP3C	Mx	-.01	5.08
37	MP1A	X	2.401	1.79
38	MP1A	Z	0	1.79
39	MP1A	Mx	-.001	1.79
40	MP1A	X	2.401	3.79
41	MP1A	Z	0	3.79
42	MP1A	Mx	-.001	3.79
43	MP1B	X	4.592	1.79
44	MP1B	Z	0	1.79
45	MP1B	Mx	.001	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP1B	X	4.592	3.79
47	MP1B	Z	0	3.79
48	MP1B	Mx	.001	3.79
49	MP1C	X	6.134	1.79
50	MP1C	Z	0	1.79
51	MP1C	Mx	0	1.79
52	MP1C	X	6.134	3.79
53	MP1C	Z	0	3.79
54	MP1C	Mx	0	3.79
55	MP2A	X	3.263	2.79
56	MP2A	Z	0	2.79
57	MP2A	Mx	.002	2.79
58	MP2B	X	4.212	2.79
59	MP2B	Z	0	2.79
60	MP2B	Mx	-.001	2.79
61	MP2C	X	4.881	2.79
62	MP2C	Z	0	2.79
63	MP2C	Mx	0	2.79
64	MP3A	X	2.643	2.79
65	MP3A	Z	0	2.79
66	MP3A	Mx	.001	2.79
67	MP3B	X	2.643	2.79
68	MP3B	Z	0	2.79
69	MP3B	Mx	.001	2.79
70	MP3C	X	2.643	2.79
71	MP3C	Z	0	2.79
72	MP3C	Mx	.001	2.79
73	M100	X	6.548	1
74	M100	Z	0	1
75	M100	Mx	0	1
76	MP4A	X	6.54	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	-.003	.5
79	MP4A	X	6.54	5.08
80	MP4A	Z	0	5.08
81	MP4A	Mx	-.003	5.08
82	MP4B	X	6.54	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	.003	.5
85	MP4B	X	6.54	5.08
86	MP4B	Z	0	5.08
87	MP4B	Mx	.003	5.08
88	MP4C	X	9.879	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	0	.5
91	MP4C	X	9.879	5.08
92	MP4C	Z	0	5.08
93	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	9.009	.5
2	MP3A	Z	5.201	.5
3	MP3A	Mx	-.005	.5
4	MP3A	X	9.009	5.08
5	MP3A	Z	5.201	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP3A	Mx	-.005	5.08
7	MP3B	X	11.069	.5
8	MP3B	Z	6.391	.5
9	MP3B	Mx	-.007	.5
10	MP3B	X	11.069	5.08
11	MP3B	Z	6.391	5.08
12	MP3B	Mx	-.007	5.08
13	MP3C	X	10.44	.5
14	MP3C	Z	6.027	.5
15	MP3C	Mx	.013	.5
16	MP3C	X	10.44	5.08
17	MP3C	Z	6.027	5.08
18	MP3C	Mx	.013	5.08
19	MP3A	X	9.009	.5
20	MP3A	Z	5.201	.5
21	MP3A	Mx	-.012	.5
22	MP3A	X	9.009	5.08
23	MP3A	Z	5.201	5.08
24	MP3A	Mx	-.012	5.08
25	MP3B	X	11.069	.5
26	MP3B	Z	6.391	.5
27	MP3B	Mx	.011	.5
28	MP3B	X	11.069	5.08
29	MP3B	Z	6.391	5.08
30	MP3B	Mx	.011	5.08
31	MP3C	X	10.44	.5
32	MP3C	Z	6.027	.5
33	MP3C	Mx	-.002	.5
34	MP3C	X	10.44	5.08
35	MP3C	Z	6.027	5.08
36	MP3C	Mx	-.002	5.08
37	MP1A	X	2.888	1.79
38	MP1A	Z	1.667	1.79
39	MP1A	Mx	-.001	1.79
40	MP1A	X	2.888	3.79
41	MP1A	Z	1.667	3.79
42	MP1A	Mx	-.001	3.79
43	MP1B	X	5.214	1.79
44	MP1B	Z	3.011	1.79
45	MP1B	Mx	.000522	1.79
46	MP1B	X	5.214	3.79
47	MP1B	Z	3.011	3.79
48	MP1B	Mx	.000522	3.79
49	MP1C	X	4.504	1.79
50	MP1C	Z	2.6	1.79
51	MP1C	Mx	.001	1.79
52	MP1C	X	4.504	3.79
53	MP1C	Z	2.6	3.79
54	MP1C	Mx	.001	3.79
55	MP2A	X	3.176	2.79
56	MP2A	Z	1.834	2.79
57	MP2A	Mx	.002	2.79
58	MP2B	X	4.185	2.79
59	MP2B	Z	2.416	2.79
60	MP2B	Mx	-.00042	2.79
61	MP2C	X	3.877	2.79
62	MP2C	Z	2.238	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	-.001	2.79
64	MP3A	X	2.773	2.79
65	MP3A	Z	1.601	2.79
66	MP3A	Mx	.001	2.79
67	MP3B	X	2.773	2.79
68	MP3B	Z	1.601	2.79
69	MP3B	Mx	.001	2.79
70	MP3C	X	2.773	2.79
71	MP3C	Z	1.601	2.79
72	MP3C	Mx	.001	2.79
73	M100	X	6.395	1
74	M100	Z	3.692	1
75	M100	Mx	0	1
76	MP4A	X	4.699	.5
77	MP4A	Z	2.713	.5
78	MP4A	Mx	-.003	.5
79	MP4A	X	4.699	5.08
80	MP4A	Z	2.713	5.08
81	MP4A	Mx	-.003	5.08
82	MP4B	X	7.592	.5
83	MP4B	Z	4.383	.5
84	MP4B	Mx	.002	.5
85	MP4B	X	7.592	5.08
86	MP4B	Z	4.383	5.08
87	MP4B	Mx	.002	5.08
88	MP4C	X	7.592	.5
89	MP4C	Z	4.383	.5
90	MP4C	Mx	.002	.5
91	MP4C	X	7.592	5.08
92	MP4C	Z	4.383	5.08
93	MP4C	Mx	.002	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	6.027	.5
2	MP3A	Z	10.44	.5
3	MP3A	Mx	.002	.5
4	MP3A	X	6.027	5.08
5	MP3A	Z	10.44	5.08
6	MP3A	Mx	.002	5.08
7	MP3B	X	6.247	.5
8	MP3B	Z	10.82	.5
9	MP3B	Mx	-.013	.5
10	MP3B	X	6.247	5.08
11	MP3B	Z	10.82	5.08
12	MP3B	Mx	-.013	5.08
13	MP3C	X	5.201	.5
14	MP3C	Z	9.009	.5
15	MP3C	Mx	.012	.5
16	MP3C	X	5.201	5.08
17	MP3C	Z	9.009	5.08
18	MP3C	Mx	.012	5.08
19	MP3A	X	6.027	.5
20	MP3A	Z	10.44	.5
21	MP3A	Mx	-.013	.5
22	MP3A	X	6.027	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3A	Z	10.44	5.08
24	MP3A	Mx	-.013	5.08
25	MP3B	X	6.247	.5
26	MP3B	Z	10.82	.5
27	MP3B	Mx	.005	.5
28	MP3B	X	6.247	5.08
29	MP3B	Z	10.82	5.08
30	MP3B	Mx	.005	5.08
31	MP3C	X	5.201	.5
32	MP3C	Z	9.009	.5
33	MP3C	Mx	.004	.5
34	MP3C	X	5.201	5.08
35	MP3C	Z	9.009	5.08
36	MP3C	Mx	.004	5.08
37	MP1A	X	2.6	1.79
38	MP1A	Z	4.504	1.79
39	MP1A	Mx	-.001	1.79
40	MP1A	X	2.6	3.79
41	MP1A	Z	4.504	3.79
42	MP1A	Mx	-.001	3.79
43	MP1B	X	2.849	1.79
44	MP1B	Z	4.934	1.79
45	MP1B	Mx	-.000974	1.79
46	MP1B	X	2.849	3.79
47	MP1B	Z	4.934	3.79
48	MP1B	Mx	-.000974	3.79
49	MP1C	X	1.667	1.79
50	MP1C	Z	2.888	1.79
51	MP1C	Mx	.001	1.79
52	MP1C	X	1.667	3.79
53	MP1C	Z	2.888	3.79
54	MP1C	Mx	.001	3.79
55	MP2A	X	2.238	2.79
56	MP2A	Z	3.877	2.79
57	MP2A	Mx	.001	2.79
58	MP2B	X	2.346	2.79
59	MP2B	Z	4.063	2.79
60	MP2B	Mx	.000802	2.79
61	MP2C	X	1.834	2.79
62	MP2C	Z	3.176	2.79
63	MP2C	Mx	-.002	2.79
64	MP3A	X	2.161	2.79
65	MP3A	Z	3.742	2.79
66	MP3A	Mx	.001	2.79
67	MP3B	X	2.161	2.79
68	MP3B	Z	3.742	2.79
69	MP3B	Mx	.001	2.79
70	MP3C	X	2.161	2.79
71	MP3C	Z	3.742	2.79
72	MP3C	Mx	.001	2.79
73	M100	X	4.528	1
74	M100	Z	7.843	1
75	M100	Mx	0	1
76	MP4A	X	3.27	.5
77	MP4A	Z	5.663	.5
78	MP4A	Mx	-.003	.5
79	MP4A	X	3.27	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	5.663	5.08
81	MP4A	Mx	-.003	5.08
82	MP4B	X	4.94	.5
83	MP4B	Z	8.556	.5
84	MP4B	Mx	0	.5
85	MP4B	X	4.94	5.08
86	MP4B	Z	8.556	5.08
87	MP4B	Mx	0	5.08
88	MP4C	X	3.27	.5
89	MP4C	Z	5.663	.5
90	MP4C	Mx	.003	.5
91	MP4C	X	3.27	5.08
92	MP4C	Z	5.663	5.08
93	MP4C	Mx	.003	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.5
2	MP3A	Z	12.881	.5
3	MP3A	Mx	.009	.5
4	MP3A	X	0	5.08
5	MP3A	Z	12.881	5.08
6	MP3A	Mx	.009	5.08
7	MP3B	X	0	.5
8	MP3B	Z	10.942	.5
9	MP3B	Mx	-.013	.5
10	MP3B	X	0	5.08
11	MP3B	Z	10.942	5.08
12	MP3B	Mx	-.013	5.08
13	MP3C	X	0	.5
14	MP3C	Z	9.576	.5
15	MP3C	Mx	.009	.5
16	MP3C	X	0	5.08
17	MP3C	Z	9.576	5.08
18	MP3C	Mx	.009	5.08
19	MP3A	X	0	.5
20	MP3A	Z	12.881	.5
21	MP3A	Mx	-.009	.5
22	MP3A	X	0	5.08
23	MP3A	Z	12.881	5.08
24	MP3A	Mx	-.009	5.08
25	MP3B	X	0	.5
26	MP3B	Z	10.942	.5
27	MP3B	Mx	-.002	.5
28	MP3B	X	0	5.08
29	MP3B	Z	10.942	5.08
30	MP3B	Mx	-.002	5.08
31	MP3C	X	0	.5
32	MP3C	Z	9.576	.5
33	MP3C	Mx	.009	.5
34	MP3C	X	0	5.08
35	MP3C	Z	9.576	5.08
36	MP3C	Mx	.009	5.08
37	MP1A	X	0	1.79
38	MP1A	Z	6.134	1.79
39	MP1A	Mx	0	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP1A	X	0	3.79
41	MP1A	Z	6.134	3.79
42	MP1A	Mx	0	3.79
43	MP1B	X	0	1.79
44	MP1B	Z	3.943	1.79
45	MP1B	Mx	-.002	1.79
46	MP1B	X	0	3.79
47	MP1B	Z	3.943	3.79
48	MP1B	Mx	-.002	3.79
49	MP1C	X	0	1.79
50	MP1C	Z	2.401	1.79
51	MP1C	Mx	.001	1.79
52	MP1C	X	0	3.79
53	MP1C	Z	2.401	3.79
54	MP1C	Mx	.001	3.79
55	MP2A	X	0	2.79
56	MP2A	Z	4.881	2.79
57	MP2A	Mx	0	2.79
58	MP2B	X	0	2.79
59	MP2B	Z	3.931	2.79
60	MP2B	Mx	.002	2.79
61	MP2C	X	0	2.79
62	MP2C	Z	3.263	2.79
63	MP2C	Mx	-.002	2.79
64	MP3A	X	0	2.79
65	MP3A	Z	4.881	2.79
66	MP3A	Mx	0	2.79
67	MP3B	X	0	2.79
68	MP3B	Z	4.881	2.79
69	MP3B	Mx	0	2.79
70	MP3C	X	0	2.79
71	MP3C	Z	4.881	2.79
72	MP3C	Mx	0	2.79
73	M100	X	0	1
74	M100	Z	9.892	1
75	M100	Mx	0	1
76	MP4A	X	0	.5
77	MP4A	Z	8.766	.5
78	MP4A	Mx	-.002	.5
79	MP4A	X	0	5.08
80	MP4A	Z	8.766	5.08
81	MP4A	Mx	-.002	5.08
82	MP4B	X	0	.5
83	MP4B	Z	8.766	.5
84	MP4B	Mx	-.002	.5
85	MP4B	X	0	5.08
86	MP4B	Z	8.766	5.08
87	MP4B	Mx	-.002	5.08
88	MP4C	X	0	.5
89	MP4C	Z	5.426	.5
90	MP4C	Mx	.003	.5
91	MP4C	X	0	5.08
92	MP4C	Z	5.426	5.08
93	MP4C	Mx	.003	5.08

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.027	.5
2	MP3A	Z	10.44	.5
3	MP3A	Mx	.013	.5
4	MP3A	X	-6.027	5.08
5	MP3A	Z	10.44	5.08
6	MP3A	Mx	.013	5.08
7	MP3B	X	-4.838	.5
8	MP3B	Z	8.38	.5
9	MP3B	Mx	-.01	.5
10	MP3B	X	-4.838	5.08
11	MP3B	Z	8.38	5.08
12	MP3B	Mx	-.01	5.08
13	MP3C	X	-5.201	.5
14	MP3C	Z	9.009	.5
15	MP3C	Mx	.004	.5
16	MP3C	X	-5.201	5.08
17	MP3C	Z	9.009	5.08
18	MP3C	Mx	.004	5.08
19	MP3A	X	-6.027	.5
20	MP3A	Z	10.44	.5
21	MP3A	Mx	-.002	.5
22	MP3A	X	-6.027	5.08
23	MP3A	Z	10.44	5.08
24	MP3A	Mx	-.002	5.08
25	MP3B	X	-4.838	.5
26	MP3B	Z	8.38	.5
27	MP3B	Mx	-.007	.5
28	MP3B	X	-4.838	5.08
29	MP3B	Z	8.38	5.08
30	MP3B	Mx	-.007	5.08
31	MP3C	X	-5.201	.5
32	MP3C	Z	9.009	.5
33	MP3C	Mx	.012	.5
34	MP3C	X	-5.201	5.08
35	MP3C	Z	9.009	5.08
36	MP3C	Mx	.012	5.08
37	MP1A	X	-2.6	1.79
38	MP1A	Z	4.504	1.79
39	MP1A	Mx	.001	1.79
40	MP1A	X	-2.6	3.79
41	MP1A	Z	4.504	3.79
42	MP1A	Mx	.001	3.79
43	MP1B	X	-1.257	1.79
44	MP1B	Z	2.177	1.79
45	MP1B	Mx	-.001	1.79
46	MP1B	X	-1.257	3.79
47	MP1B	Z	2.177	3.79
48	MP1B	Mx	-.001	3.79
49	MP1C	X	-1.667	1.79
50	MP1C	Z	2.888	1.79
51	MP1C	Mx	.001	1.79
52	MP1C	X	-1.667	3.79
53	MP1C	Z	2.888	3.79
54	MP1C	Mx	.001	3.79
55	MP2A	X	-2.238	2.79
56	MP2A	Z	3.877	2.79
57	MP2A	Mx	-.001	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-1.656	2.79
59	MP2B	Z	2.868	2.79
60	MP2B	Mx	.002	2.79
61	MP2C	X	-1.834	2.79
62	MP2C	Z	3.176	2.79
63	MP2C	Mx	-.002	2.79
64	MP3A	X	-2.161	2.79
65	MP3A	Z	3.742	2.79
66	MP3A	Mx	-.001	2.79
67	MP3B	X	-2.161	2.79
68	MP3B	Z	3.742	2.79
69	MP3B	Mx	-.001	2.79
70	MP3C	X	-2.161	2.79
71	MP3C	Z	3.742	2.79
72	MP3C	Mx	-.001	2.79
73	M100	X	-4.528	1
74	M100	Z	7.843	1
75	M100	Mx	0	1
76	MP4A	X	-4.94	.5
77	MP4A	Z	8.556	.5
78	MP4A	Mx	0	.5
79	MP4A	X	-4.94	5.08
80	MP4A	Z	8.556	5.08
81	MP4A	Mx	0	5.08
82	MP4B	X	-3.27	.5
83	MP4B	Z	5.663	.5
84	MP4B	Mx	-.003	.5
85	MP4B	X	-3.27	5.08
86	MP4B	Z	5.663	5.08
87	MP4B	Mx	-.003	5.08
88	MP4C	X	-3.27	.5
89	MP4C	Z	5.663	.5
90	MP4C	Mx	.003	.5
91	MP4C	X	-3.27	5.08
92	MP4C	Z	5.663	5.08
93	MP4C	Mx	.003	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.009	.5
2	MP3A	Z	5.201	.5
3	MP3A	Mx	.012	.5
4	MP3A	X	-9.009	5.08
5	MP3A	Z	5.201	5.08
6	MP3A	Mx	.012	5.08
7	MP3B	X	-8.628	.5
8	MP3B	Z	4.981	.5
9	MP3B	Mx	-.006	.5
10	MP3B	X	-8.628	5.08
11	MP3B	Z	4.981	5.08
12	MP3B	Mx	-.006	5.08
13	MP3C	X	-10.44	.5
14	MP3C	Z	6.027	.5
15	MP3C	Mx	-.002	.5
16	MP3C	X	-10.44	5.08
17	MP3C	Z	6.027	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.002	5.08
19	MP3A	X	-9.009	.5
20	MP3A	Z	5.201	.5
21	MP3A	Mx	.005	.5
22	MP3A	X	-9.009	5.08
23	MP3A	Z	5.201	5.08
24	MP3A	Mx	.005	5.08
25	MP3B	X	-8.628	.5
26	MP3B	Z	4.981	.5
27	MP3B	Mx	-.011	.5
28	MP3B	X	-8.628	5.08
29	MP3B	Z	4.981	5.08
30	MP3B	Mx	-.011	5.08
31	MP3C	X	-10.44	.5
32	MP3C	Z	6.027	.5
33	MP3C	Mx	.013	.5
34	MP3C	X	-10.44	5.08
35	MP3C	Z	6.027	5.08
36	MP3C	Mx	.013	5.08
37	MP1A	X	-2.888	1.79
38	MP1A	Z	1.667	1.79
39	MP1A	Mx	.001	1.79
40	MP1A	X	-2.888	3.79
41	MP1A	Z	1.667	3.79
42	MP1A	Mx	.001	3.79
43	MP1B	X	-2.458	1.79
44	MP1B	Z	1.419	1.79
45	MP1B	Mx	-.001	1.79
46	MP1B	X	-2.458	3.79
47	MP1B	Z	1.419	3.79
48	MP1B	Mx	-.001	3.79
49	MP1C	X	-4.504	1.79
50	MP1C	Z	2.6	1.79
51	MP1C	Mx	.001	1.79
52	MP1C	X	-4.504	3.79
53	MP1C	Z	2.6	3.79
54	MP1C	Mx	.001	3.79
55	MP2A	X	-3.176	2.79
56	MP2A	Z	1.834	2.79
57	MP2A	Mx	-.002	2.79
58	MP2B	X	-2.989	2.79
59	MP2B	Z	1.726	2.79
60	MP2B	Mx	.002	2.79
61	MP2C	X	-3.877	2.79
62	MP2C	Z	2.238	2.79
63	MP2C	Mx	-.001	2.79
64	MP3A	X	-2.773	2.79
65	MP3A	Z	1.601	2.79
66	MP3A	Mx	-.001	2.79
67	MP3B	X	-2.773	2.79
68	MP3B	Z	1.601	2.79
69	MP3B	Mx	-.001	2.79
70	MP3C	X	-2.773	2.79
71	MP3C	Z	1.601	2.79
72	MP3C	Mx	-.001	2.79
73	M100	X	-6.395	1
74	M100	Z	3.692	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	M100	Mx	0	1
76	MP4A	X	-7.592	.5
77	MP4A	Z	4.383	.5
78	MP4A	Mx	.002	.5
79	MP4A	X	-7.592	5.08
80	MP4A	Z	4.383	5.08
81	MP4A	Mx	.002	5.08
82	MP4B	X	-4.699	.5
83	MP4B	Z	2.713	.5
84	MP4B	Mx	-.003	.5
85	MP4B	X	-4.699	5.08
86	MP4B	Z	2.713	5.08
87	MP4B	Mx	-.003	5.08
88	MP4C	X	-7.592	.5
89	MP4C	Z	4.383	.5
90	MP4C	Mx	.002	.5
91	MP4C	X	-7.592	5.08
92	MP4C	Z	4.383	5.08
93	MP4C	Mx	.002	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.576	.5
2	MP3A	Z	0	.5
3	MP3A	Mx	.009	.5
4	MP3A	X	-9.576	5.08
5	MP3A	Z	0	5.08
6	MP3A	Mx	.009	5.08
7	MP3B	X	-11.515	.5
8	MP3B	Z	0	.5
9	MP3B	Mx	-.000169	.5
10	MP3B	X	-11.515	5.08
11	MP3B	Z	0	5.08
12	MP3B	Mx	-.000169	5.08
13	MP3C	X	-12.881	.5
14	MP3C	Z	0	.5
15	MP3C	Mx	-.01	.5
16	MP3C	X	-12.881	5.08
17	MP3C	Z	0	5.08
18	MP3C	Mx	-.01	5.08
19	MP3A	X	-9.576	.5
20	MP3A	Z	0	.5
21	MP3A	Mx	.009	.5
22	MP3A	X	-9.576	5.08
23	MP3A	Z	0	5.08
24	MP3A	Mx	.009	5.08
25	MP3B	X	-11.515	.5
26	MP3B	Z	0	.5
27	MP3B	Mx	-.013	.5
28	MP3B	X	-11.515	5.08
29	MP3B	Z	0	5.08
30	MP3B	Mx	-.013	5.08
31	MP3C	X	-12.881	.5
32	MP3C	Z	0	.5
33	MP3C	Mx	.01	.5
34	MP3C	X	-12.881	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	0	5.08
36	MP3C	Mx	.01	5.08
37	MP1A	X	-2.401	1.79
38	MP1A	Z	0	1.79
39	MP1A	Mx	.001	1.79
40	MP1A	X	-2.401	3.79
41	MP1A	Z	0	3.79
42	MP1A	Mx	.001	3.79
43	MP1B	X	-4.592	1.79
44	MP1B	Z	0	1.79
45	MP1B	Mx	-.001	1.79
46	MP1B	X	-4.592	3.79
47	MP1B	Z	0	3.79
48	MP1B	Mx	-.001	3.79
49	MP1C	X	-6.134	1.79
50	MP1C	Z	0	1.79
51	MP1C	Mx	0	1.79
52	MP1C	X	-6.134	3.79
53	MP1C	Z	0	3.79
54	MP1C	Mx	0	3.79
55	MP2A	X	-3.263	2.79
56	MP2A	Z	0	2.79
57	MP2A	Mx	-.002	2.79
58	MP2B	X	-4.212	2.79
59	MP2B	Z	0	2.79
60	MP2B	Mx	.001	2.79
61	MP2C	X	-4.881	2.79
62	MP2C	Z	0	2.79
63	MP2C	Mx	0	2.79
64	MP3A	X	-2.643	2.79
65	MP3A	Z	0	2.79
66	MP3A	Mx	-.001	2.79
67	MP3B	X	-2.643	2.79
68	MP3B	Z	0	2.79
69	MP3B	Mx	-.001	2.79
70	MP3C	X	-2.643	2.79
71	MP3C	Z	0	2.79
72	MP3C	Mx	-.001	2.79
73	M100	X	-6.548	1
74	M100	Z	0	1
75	M100	Mx	0	1
76	MP4A	X	-6.54	.5
77	MP4A	Z	0	.5
78	MP4A	Mx	.003	.5
79	MP4A	X	-6.54	5.08
80	MP4A	Z	0	5.08
81	MP4A	Mx	.003	5.08
82	MP4B	X	-6.54	.5
83	MP4B	Z	0	.5
84	MP4B	Mx	-.003	.5
85	MP4B	X	-6.54	5.08
86	MP4B	Z	0	5.08
87	MP4B	Mx	-.003	5.08
88	MP4C	X	-9.879	.5
89	MP4C	Z	0	.5
90	MP4C	Mx	0	.5
91	MP4C	X	-9.879	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP4C	Z	0	5.08
93	MP4C	Mx	0	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-9.009	.5
2	MP3A	Z	-5.201	.5
3	MP3A	Mx	.005	.5
4	MP3A	X	-9.009	5.08
5	MP3A	Z	-5.201	5.08
6	MP3A	Mx	.005	5.08
7	MP3B	X	-11.069	.5
8	MP3B	Z	-6.391	.5
9	MP3B	Mx	.007	.5
10	MP3B	X	-11.069	5.08
11	MP3B	Z	-6.391	5.08
12	MP3B	Mx	.007	5.08
13	MP3C	X	-10.44	.5
14	MP3C	Z	-6.027	.5
15	MP3C	Mx	-.013	.5
16	MP3C	X	-10.44	5.08
17	MP3C	Z	-6.027	5.08
18	MP3C	Mx	-.013	5.08
19	MP3A	X	-9.009	.5
20	MP3A	Z	-5.201	.5
21	MP3A	Mx	.012	.5
22	MP3A	X	-9.009	5.08
23	MP3A	Z	-5.201	5.08
24	MP3A	Mx	.012	5.08
25	MP3B	X	-11.069	.5
26	MP3B	Z	-6.391	.5
27	MP3B	Mx	-.011	.5
28	MP3B	X	-11.069	5.08
29	MP3B	Z	-6.391	5.08
30	MP3B	Mx	-.011	5.08
31	MP3C	X	-10.44	.5
32	MP3C	Z	-6.027	.5
33	MP3C	Mx	.002	.5
34	MP3C	X	-10.44	5.08
35	MP3C	Z	-6.027	5.08
36	MP3C	Mx	.002	5.08
37	MP1A	X	-2.888	1.79
38	MP1A	Z	-1.667	1.79
39	MP1A	Mx	.001	1.79
40	MP1A	X	-2.888	3.79
41	MP1A	Z	-1.667	3.79
42	MP1A	Mx	.001	3.79
43	MP1B	X	-5.214	1.79
44	MP1B	Z	-3.011	1.79
45	MP1B	Mx	-.000522	1.79
46	MP1B	X	-5.214	3.79
47	MP1B	Z	-3.011	3.79
48	MP1B	Mx	-.000522	3.79
49	MP1C	X	-4.504	1.79
50	MP1C	Z	-2.6	1.79
51	MP1C	Mx	-.001	1.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP1C	X	-4.504	3.79
53	MP1C	Z	-2.6	3.79
54	MP1C	Mx	-.001	3.79
55	MP2A	X	-3.176	2.79
56	MP2A	Z	-1.834	2.79
57	MP2A	Mx	-.002	2.79
58	MP2B	X	-4.185	2.79
59	MP2B	Z	-2.416	2.79
60	MP2B	Mx	.00042	2.79
61	MP2C	X	-3.877	2.79
62	MP2C	Z	-2.238	2.79
63	MP2C	Mx	.001	2.79
64	MP3A	X	-2.773	2.79
65	MP3A	Z	-1.601	2.79
66	MP3A	Mx	-.001	2.79
67	MP3B	X	-2.773	2.79
68	MP3B	Z	-1.601	2.79
69	MP3B	Mx	-.001	2.79
70	MP3C	X	-2.773	2.79
71	MP3C	Z	-1.601	2.79
72	MP3C	Mx	-.001	2.79
73	M100	X	-6.395	1
74	M100	Z	-3.692	1
75	M100	Mx	0	1
76	MP4A	X	-4.699	.5
77	MP4A	Z	-2.713	.5
78	MP4A	Mx	.003	.5
79	MP4A	X	-4.699	5.08
80	MP4A	Z	-2.713	5.08
81	MP4A	Mx	.003	5.08
82	MP4B	X	-7.592	.5
83	MP4B	Z	-4.383	.5
84	MP4B	Mx	-.002	.5
85	MP4B	X	-7.592	5.08
86	MP4B	Z	-4.383	5.08
87	MP4B	Mx	-.002	5.08
88	MP4C	X	-7.592	.5
89	MP4C	Z	-4.383	.5
90	MP4C	Mx	-.002	.5
91	MP4C	X	-7.592	5.08
92	MP4C	Z	-4.383	5.08
93	MP4C	Mx	-.002	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-6.027	.5
2	MP3A	Z	-10.44	.5
3	MP3A	Mx	-.002	.5
4	MP3A	X	-6.027	5.08
5	MP3A	Z	-10.44	5.08
6	MP3A	Mx	-.002	5.08
7	MP3B	X	-6.247	.5
8	MP3B	Z	-10.82	.5
9	MP3B	Mx	.013	.5
10	MP3B	X	-6.247	5.08
11	MP3B	Z	-10.82	5.08

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mx	.013	5.08
13	MP3C	X	-5.201	.5
14	MP3C	Z	-9.009	.5
15	MP3C	Mx	-.012	.5
16	MP3C	X	-5.201	5.08
17	MP3C	Z	-9.009	5.08
18	MP3C	Mx	-.012	5.08
19	MP3A	X	-6.027	.5
20	MP3A	Z	-10.44	.5
21	MP3A	Mx	.013	.5
22	MP3A	X	-6.027	5.08
23	MP3A	Z	-10.44	5.08
24	MP3A	Mx	.013	5.08
25	MP3B	X	-6.247	.5
26	MP3B	Z	-10.82	.5
27	MP3B	Mx	-.005	.5
28	MP3B	X	-6.247	5.08
29	MP3B	Z	-10.82	5.08
30	MP3B	Mx	-.005	5.08
31	MP3C	X	-5.201	.5
32	MP3C	Z	-9.009	.5
33	MP3C	Mx	-.004	.5
34	MP3C	X	-5.201	5.08
35	MP3C	Z	-9.009	5.08
36	MP3C	Mx	-.004	5.08
37	MP1A	X	-2.6	1.79
38	MP1A	Z	-4.504	1.79
39	MP1A	Mx	.001	1.79
40	MP1A	X	-2.6	3.79
41	MP1A	Z	-4.504	3.79
42	MP1A	Mx	.001	3.79
43	MP1B	X	-2.849	1.79
44	MP1B	Z	-4.934	1.79
45	MP1B	Mx	.000974	1.79
46	MP1B	X	-2.849	3.79
47	MP1B	Z	-4.934	3.79
48	MP1B	Mx	.000974	3.79
49	MP1C	X	-1.667	1.79
50	MP1C	Z	-2.888	1.79
51	MP1C	Mx	-.001	1.79
52	MP1C	X	-1.667	3.79
53	MP1C	Z	-2.888	3.79
54	MP1C	Mx	-.001	3.79
55	MP2A	X	-2.238	2.79
56	MP2A	Z	-3.877	2.79
57	MP2A	Mx	-.001	2.79
58	MP2B	X	-2.346	2.79
59	MP2B	Z	-4.063	2.79
60	MP2B	Mx	-.000802	2.79
61	MP2C	X	-1.834	2.79
62	MP2C	Z	-3.176	2.79
63	MP2C	Mx	.002	2.79
64	MP3A	X	-2.161	2.79
65	MP3A	Z	-3.742	2.79
66	MP3A	Mx	-.001	2.79
67	MP3B	X	-2.161	2.79
68	MP3B	Z	-3.742	2.79

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP3B	Mx	-.001	2.79
70	MP3C	X	-2.161	2.79
71	MP3C	Z	-3.742	2.79
72	MP3C	Mx	-.001	2.79
73	M100	X	-4.528	1
74	M100	Z	-7.843	1
75	M100	Mx	0	1
76	MP4A	X	-3.27	.5
77	MP4A	Z	-5.663	.5
78	MP4A	Mx	.003	.5
79	MP4A	X	-3.27	5.08
80	MP4A	Z	-5.663	5.08
81	MP4A	Mx	.003	5.08
82	MP4B	X	-4.94	.5
83	MP4B	Z	-8.556	.5
84	MP4B	Mx	0	.5
85	MP4B	X	-4.94	5.08
86	MP4B	Z	-8.556	5.08
87	MP4B	Mx	0	5.08
88	MP4C	X	-3.27	.5
89	MP4C	Z	-5.663	.5
90	MP4C	Mx	-.003	.5
91	MP4C	X	-3.27	5.08
92	MP4C	Z	-5.663	5.08
93	MP4C	Mx	-.003	5.08

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%24

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%8

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

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	-10.918	-10.918	0	%100
2	M4	Y	-15.434	-15.434	0	%100
3	M10	Y	-15.434	-15.434	0	%100
4	MP1A	Y	-8.562	-8.562	0	%100
5	M43	Y	-15.434	-15.434	0	%100
6	M46	Y	-16.178	-16.178	0	%100
7	M51B	Y	-9.512	-9.512	0	%100
8	M52B	Y	-9.512	-9.512	0	%100
9	M76	Y	-16.178	-16.178	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,%]
10	M77	Y	-16.178	-16.178	0	%100
11	M80	Y	-16.178	-16.178	0	%100
12	M84	Y	-16.178	-16.178	0	%100
13	M85	Y	-16.178	-16.178	0	%100
14	M91	Y	-16.178	-16.178	0	%100
15	M34	Y	-15.434	-15.434	0	%100
16	M35	Y	-15.434	-15.434	0	%100
17	M36	Y	-15.434	-15.434	0	%100
18	M37	Y	-16.178	-16.178	0	%100
19	M40	Y	-9.512	-9.512	0	%100
20	M41	Y	-9.512	-9.512	0	%100
21	M45	Y	-16.178	-16.178	0	%100
22	M46A	Y	-16.178	-16.178	0	%100
23	M48	Y	-16.178	-16.178	0	%100
24	M50A	Y	-16.178	-16.178	0	%100
25	M51C	Y	-16.178	-16.178	0	%100
26	M53	Y	-16.178	-16.178	0	%100
27	M58A	Y	-15.434	-15.434	0	%100
28	M59A	Y	-15.434	-15.434	0	%100
29	M60	Y	-15.434	-15.434	0	%100
30	M61	Y	-16.178	-16.178	0	%100
31	M64	Y	-9.512	-9.512	0	%100
32	M65	Y	-9.512	-9.512	0	%100
33	M69	Y	-16.178	-16.178	0	%100
34	M70	Y	-16.178	-16.178	0	%100
35	M72	Y	-16.178	-16.178	0	%100
36	M74	Y	-16.178	-16.178	0	%100
37	M75	Y	-16.178	-16.178	0	%100
38	M77A	Y	-16.178	-16.178	0	%100
39	MP2A	Y	-8.562	-8.562	0	%100
40	MP3A	Y	-9.609	-9.609	0	%100
41	MP4A	Y	-8.562	-8.562	0	%100
42	M81A	Y	-10.918	-10.918	0	%100
43	MP1C	Y	-8.562	-8.562	0	%100
44	MP2C	Y	-8.562	-8.562	0	%100
45	MP3C	Y	-9.609	-9.609	0	%100
46	MP4C	Y	-8.562	-8.562	0	%100
47	M90	Y	-10.918	-10.918	0	%100
48	MP1B	Y	-8.562	-8.562	0	%100
49	MP2B	Y	-8.562	-8.562	0	%100
50	MP3B	Y	-9.609	-9.609	0	%100
51	MP4B	Y	-8.562	-8.562	0	%100
52	M100	Y	-8.562	-8.562	0	%100
53	M102	Y	-9.609	-9.609	0	%100
54	M107	Y	-9.609	-9.609	0	%100
55	M112	Y	-9.609	-9.609	0	%100
56	M123	Y	-12.473	-12.473	0	%100
57	M124	Y	-12.473	-12.473	0	%100
58	M125	Y	-12.473	-12.473	0	%100
59	M126	Y	-16.938	-16.938	0	%100
60	M127	Y	-16.938	-16.938	0	%100
61	M128	Y	-16.938	-16.938	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

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,%]
2	M1	Z	-14.031	-14.031	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	-12.354	-12.354	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-9.754	-9.754	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-12.354	-12.354	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-24.641	-24.641	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-3.421	-3.421	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-3.421	-3.421	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-6.274	-6.274	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-6.609	-6.609	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-6.274	-6.274	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-6.609	-6.609	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	-10.95	-10.95	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	-3.088	-3.088	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	-3.088	-3.088	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	-6.16	-6.16	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-3.421	-3.421	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	-13.683	-13.683	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	-18.481	-18.481	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	-6.274	-6.274	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	-6.609	-6.609	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	-18.481	-18.481	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	-25.097	-25.097	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-26.434	-26.434	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	-10.95	-10.95	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	-3.088	-3.088	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	-3.088	-3.088	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,%]
59	M61	X	0	0	0	%100
60	M61	Z	-6.16	-6.16	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-13.683	-13.683	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-3.421	-3.421	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-18.481	-18.481	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	-25.097	-25.097	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-26.434	-26.434	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	-18.481	-18.481	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	-6.274	-6.274	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	-6.609	-6.609	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-9.754	-9.754	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-11.807	-11.807	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-9.754	-9.754	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	-3.508	-3.508	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-9.754	-9.754	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-9.754	-9.754	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-11.807	-11.807	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-9.754	-9.754	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	-3.508	-3.508	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-9.754	-9.754	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-9.754	-9.754	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-11.807	-11.807	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-9.754	-9.754	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-7.976	-7.976	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-11.807	-11.807	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-2.952	-2.952	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-2.952	-2.952	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-3.25	-3.25	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-3.25	-3.25	0	%100
115	M125	X	0	0	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,%]
116	M125	Z	-13.001	-13.001	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-23.693	-23.693	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-20.675	-20.675	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-20.675	-20.675	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	5.262	5.262	0	%100
2	M1	Z	-9.114	-9.114	0	%100
3	M4	X	1.825	1.825	0	%100
4	M4	Z	-3.161	-3.161	0	%100
5	M10	X	4.633	4.633	0	%100
6	M10	Z	-8.024	-8.024	0	%100
7	MP1A	X	4.877	4.877	0	%100
8	MP1A	Z	-8.447	-8.447	0	%100
9	M43	X	4.633	4.633	0	%100
10	M43	Z	-8.024	-8.024	0	%100
11	M46	X	9.24	9.24	0	%100
12	M46	Z	-16.005	-16.005	0	%100
13	M51B	X	5.131	5.131	0	%100
14	M51B	Z	-8.887	-8.887	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	3.08	3.08	0	%100
18	M76	Z	-5.335	-5.335	0	%100
19	M77	X	9.411	9.411	0	%100
20	M77	Z	-16.301	-16.301	0	%100
21	M80	X	9.913	9.913	0	%100
22	M80	Z	-17.169	-17.169	0	%100
23	M84	X	3.08	3.08	0	%100
24	M84	Z	-5.335	-5.335	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	1.825	1.825	0	%100
30	M34	Z	-3.161	-3.161	0	%100
31	M35	X	4.633	4.633	0	%100
32	M35	Z	-8.024	-8.024	0	%100
33	M36	X	4.633	4.633	0	%100
34	M36	Z	-8.024	-8.024	0	%100
35	M37	X	9.24	9.24	0	%100
36	M37	Z	-16.005	-16.005	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	5.131	5.131	0	%100
40	M41	Z	-8.887	-8.887	0	%100
41	M45	X	3.08	3.08	0	%100
42	M45	Z	-5.335	-5.335	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	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,%]
47	M50A	X	3.08	3.08	0	%100
48	M50A	Z	-5.335	-5.335	0	%100
49	M51C	X	9.411	9.411	0	%100
50	M51C	Z	-16.301	-16.301	0	%100
51	M53	X	9.913	9.913	0	%100
52	M53	Z	-17.169	-17.169	0	%100
53	M58A	X	7.3	7.3	0	%100
54	M58A	Z	-12.644	-12.644	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	5.131	5.131	0	%100
62	M64	Z	-8.887	-8.887	0	%100
63	M65	X	5.131	5.131	0	%100
64	M65	Z	-8.887	-8.887	0	%100
65	M69	X	12.32	12.32	0	%100
66	M69	Z	-21.34	-21.34	0	%100
67	M70	X	9.411	9.411	0	%100
68	M70	Z	-16.301	-16.301	0	%100
69	M72	X	9.913	9.913	0	%100
70	M72	Z	-17.169	-17.169	0	%100
71	M74	X	12.32	12.32	0	%100
72	M74	Z	-21.34	-21.34	0	%100
73	M75	X	9.411	9.411	0	%100
74	M75	Z	-16.301	-16.301	0	%100
75	M77A	X	9.913	9.913	0	%100
76	M77A	Z	-17.169	-17.169	0	%100
77	MP2A	X	4.877	4.877	0	%100
78	MP2A	Z	-8.447	-8.447	0	%100
79	MP3A	X	5.904	5.904	0	%100
80	MP3A	Z	-10.225	-10.225	0	%100
81	MP4A	X	4.877	4.877	0	%100
82	MP4A	Z	-8.447	-8.447	0	%100
83	M81A	X	5.262	5.262	0	%100
84	M81A	Z	-9.114	-9.114	0	%100
85	MP1C	X	4.877	4.877	0	%100
86	MP1C	Z	-8.447	-8.447	0	%100
87	MP2C	X	4.877	4.877	0	%100
88	MP2C	Z	-8.447	-8.447	0	%100
89	MP3C	X	5.904	5.904	0	%100
90	MP3C	Z	-10.225	-10.225	0	%100
91	MP4C	X	4.877	4.877	0	%100
92	MP4C	Z	-8.447	-8.447	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	4.877	4.877	0	%100
96	MP1B	Z	-8.447	-8.447	0	%100
97	MP2B	X	4.877	4.877	0	%100
98	MP2B	Z	-8.447	-8.447	0	%100
99	MP3B	X	5.904	5.904	0	%100
100	MP3B	Z	-10.225	-10.225	0	%100
101	MP4B	X	4.877	4.877	0	%100
102	MP4B	Z	-8.447	-8.447	0	%100
103	M100	X	3.988	3.988	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,%]
104	M100	Z	-6.907	-6.907	0	%100
105	M102	X	4.428	4.428	0	%100
106	M102	Z	-7.669	-7.669	0	%100
107	M107	X	4.428	4.428	0	%100
108	M107	Z	-7.669	-7.669	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	4.875	4.875	0	%100
112	M123	Z	-8.444	-8.444	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	4.875	4.875	0	%100
116	M125	Z	-8.444	-8.444	0	%100
117	M126	X	11.344	11.344	0	%100
118	M126	Z	-19.648	-19.648	0	%100
119	M127	X	11.344	11.344	0	%100
120	M127	Z	-19.648	-19.648	0	%100
121	M128	X	9.834	9.834	0	%100
122	M128	Z	-17.034	-17.034	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	3.038	3.038	0	%100
2	M1	Z	-1.754	-1.754	0	%100
3	M4	X	9.483	9.483	0	%100
4	M4	Z	-5.475	-5.475	0	%100
5	M10	X	2.675	2.675	0	%100
6	M10	Z	-1.544	-1.544	0	%100
7	MP1A	X	8.447	8.447	0	%100
8	MP1A	Z	-4.877	-4.877	0	%100
9	M43	X	2.675	2.675	0	%100
10	M43	Z	-1.544	-1.544	0	%100
11	M46	X	5.335	5.335	0	%100
12	M46	Z	-3.08	-3.08	0	%100
13	M51B	X	11.849	11.849	0	%100
14	M51B	Z	-6.841	-6.841	0	%100
15	M52B	X	2.962	2.962	0	%100
16	M52B	Z	-1.71	-1.71	0	%100
17	M76	X	16.005	16.005	0	%100
18	M76	Z	-9.24	-9.24	0	%100
19	M77	X	21.735	21.735	0	%100
20	M77	Z	-12.549	-12.549	0	%100
21	M80	X	22.893	22.893	0	%100
22	M80	Z	-13.217	-13.217	0	%100
23	M84	X	16.005	16.005	0	%100
24	M84	Z	-9.24	-9.24	0	%100
25	M85	X	5.434	5.434	0	%100
26	M85	Z	-3.137	-3.137	0	%100
27	M91	X	5.723	5.723	0	%100
28	M91	Z	-3.304	-3.304	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	10.699	10.699	0	%100
32	M35	Z	-6.177	-6.177	0	%100
33	M36	X	10.699	10.699	0	%100
34	M36	Z	-6.177	-6.177	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,%]
35	M37	X	21.34	21.34	0	%100
36	M37	Z	-12.32	-12.32	0	%100
37	M40	X	2.962	2.962	0	%100
38	M40	Z	-1.71	-1.71	0	%100
39	M41	X	2.962	2.962	0	%100
40	M41	Z	-1.71	-1.71	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	5.434	5.434	0	%100
44	M46A	Z	-3.137	-3.137	0	%100
45	M48	X	5.723	5.723	0	%100
46	M48	Z	-3.304	-3.304	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	5.434	5.434	0	%100
50	M51C	Z	-3.137	-3.137	0	%100
51	M53	X	5.723	5.723	0	%100
52	M53	Z	-3.304	-3.304	0	%100
53	M58A	X	9.483	9.483	0	%100
54	M58A	Z	-5.475	-5.475	0	%100
55	M59A	X	2.675	2.675	0	%100
56	M59A	Z	-1.544	-1.544	0	%100
57	M60	X	2.675	2.675	0	%100
58	M60	Z	-1.544	-1.544	0	%100
59	M61	X	5.335	5.335	0	%100
60	M61	Z	-3.08	-3.08	0	%100
61	M64	X	2.962	2.962	0	%100
62	M64	Z	-1.71	-1.71	0	%100
63	M65	X	11.849	11.849	0	%100
64	M65	Z	-6.841	-6.841	0	%100
65	M69	X	16.005	16.005	0	%100
66	M69	Z	-9.24	-9.24	0	%100
67	M70	X	5.434	5.434	0	%100
68	M70	Z	-3.137	-3.137	0	%100
69	M72	X	5.723	5.723	0	%100
70	M72	Z	-3.304	-3.304	0	%100
71	M74	X	16.005	16.005	0	%100
72	M74	Z	-9.24	-9.24	0	%100
73	M75	X	21.735	21.735	0	%100
74	M75	Z	-12.549	-12.549	0	%100
75	M77A	X	22.893	22.893	0	%100
76	M77A	Z	-13.217	-13.217	0	%100
77	MP2A	X	8.447	8.447	0	%100
78	MP2A	Z	-4.877	-4.877	0	%100
79	MP3A	X	10.225	10.225	0	%100
80	MP3A	Z	-5.904	-5.904	0	%100
81	MP4A	X	8.447	8.447	0	%100
82	MP4A	Z	-4.877	-4.877	0	%100
83	M81A	X	12.152	12.152	0	%100
84	M81A	Z	-7.016	-7.016	0	%100
85	MP1C	X	8.447	8.447	0	%100
86	MP1C	Z	-4.877	-4.877	0	%100
87	MP2C	X	8.447	8.447	0	%100
88	MP2C	Z	-4.877	-4.877	0	%100
89	MP3C	X	10.225	10.225	0	%100
90	MP3C	Z	-5.904	-5.904	0	%100
91	MP4C	X	8.447	8.447	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,%]
92	MP4C	Z	-4.877	-4.877	0	%100
93	M90	X	3.038	3.038	0	%100
94	M90	Z	-1.754	-1.754	0	%100
95	MP1B	X	8.447	8.447	0	%100
96	MP1B	Z	-4.877	-4.877	0	%100
97	MP2B	X	8.447	8.447	0	%100
98	MP2B	Z	-4.877	-4.877	0	%100
99	MP3B	X	10.225	10.225	0	%100
100	MP3B	Z	-5.904	-5.904	0	%100
101	MP4B	X	8.447	8.447	0	%100
102	MP4B	Z	-4.877	-4.877	0	%100
103	M100	X	6.907	6.907	0	%100
104	M100	Z	-3.988	-3.988	0	%100
105	M102	X	2.556	2.556	0	%100
106	M102	Z	-1.476	-1.476	0	%100
107	M107	X	10.225	10.225	0	%100
108	M107	Z	-5.904	-5.904	0	%100
109	M112	X	2.556	2.556	0	%100
110	M112	Z	-1.476	-1.476	0	%100
111	M123	X	11.259	11.259	0	%100
112	M123	Z	-6.5	-6.5	0	%100
113	M124	X	2.815	2.815	0	%100
114	M124	Z	-1.625	-1.625	0	%100
115	M125	X	2.815	2.815	0	%100
116	M125	Z	-1.625	-1.625	0	%100
117	M126	X	17.905	17.905	0	%100
118	M126	Z	-10.337	-10.337	0	%100
119	M127	X	20.519	20.519	0	%100
120	M127	Z	-11.847	-11.847	0	%100
121	M128	X	17.905	17.905	0	%100
122	M128	Z	-10.337	-10.337	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	14.6	14.6	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	9.754	9.754	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	10.262	10.262	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	10.262	10.262	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	24.641	24.641	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	18.823	18.823	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	19.826	19.826	0	%100
22	M80	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,%]
23	M84	X	24.641	24.641	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	18.823	18.823	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	19.826	19.826	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	3.65	3.65	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	9.265	9.265	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	9.265	9.265	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	18.481	18.481	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	10.262	10.262	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	6.16	6.16	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	18.823	18.823	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	19.826	19.826	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	6.16	6.16	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	3.65	3.65	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	9.265	9.265	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	9.265	9.265	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	18.481	18.481	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	10.262	10.262	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	6.16	6.16	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	6.16	6.16	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	18.823	18.823	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	19.826	19.826	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	9.754	9.754	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	11.807	11.807	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,%]
80	MP3A	Z	0	0	0	%100
81	MP4A	X	9.754	9.754	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	10.524	10.524	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	9.754	9.754	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	9.754	9.754	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	11.807	11.807	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	9.754	9.754	0	%100
92	MP4C	Z	0	0	0	%100
93	M90	X	10.524	10.524	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	9.754	9.754	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	9.754	9.754	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	11.807	11.807	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	9.754	9.754	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	7.976	7.976	0	%100
104	M100	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	8.855	8.855	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	8.855	8.855	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	9.751	9.751	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	9.751	9.751	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	19.669	19.669	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	22.687	22.687	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	22.687	22.687	0	%100
122	M128	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	3.038	3.038	0	%100
2	M1	Z	1.754	1.754	0	%100
3	M4	X	9.483	9.483	0	%100
4	M4	Z	5.475	5.475	0	%100
5	M10	X	2.675	2.675	0	%100
6	M10	Z	1.544	1.544	0	%100
7	MP1A	X	8.447	8.447	0	%100
8	MP1A	Z	4.877	4.877	0	%100
9	M43	X	2.675	2.675	0	%100
10	M43	Z	1.544	1.544	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,%]
11	M46	X	5.335	5.335	0	%100
12	M46	Z	3.08	3.08	0	%100
13	M51B	X	2.962	2.962	0	%100
14	M51B	Z	1.71	1.71	0	%100
15	M52B	X	11.849	11.849	0	%100
16	M52B	Z	6.841	6.841	0	%100
17	M76	X	16.005	16.005	0	%100
18	M76	Z	9.24	9.24	0	%100
19	M77	X	5.434	5.434	0	%100
20	M77	Z	3.137	3.137	0	%100
21	M80	X	5.723	5.723	0	%100
22	M80	Z	3.304	3.304	0	%100
23	M84	X	16.005	16.005	0	%100
24	M84	Z	9.24	9.24	0	%100
25	M85	X	21.735	21.735	0	%100
26	M85	Z	12.549	12.549	0	%100
27	M91	X	22.893	22.893	0	%100
28	M91	Z	13.217	13.217	0	%100
29	M34	X	9.483	9.483	0	%100
30	M34	Z	5.475	5.475	0	%100
31	M35	X	2.675	2.675	0	%100
32	M35	Z	1.544	1.544	0	%100
33	M36	X	2.675	2.675	0	%100
34	M36	Z	1.544	1.544	0	%100
35	M37	X	5.335	5.335	0	%100
36	M37	Z	3.08	3.08	0	%100
37	M40	X	11.849	11.849	0	%100
38	M40	Z	6.841	6.841	0	%100
39	M41	X	2.962	2.962	0	%100
40	M41	Z	1.71	1.71	0	%100
41	M45	X	16.005	16.005	0	%100
42	M45	Z	9.24	9.24	0	%100
43	M46A	X	21.735	21.735	0	%100
44	M46A	Z	12.549	12.549	0	%100
45	M48	X	22.893	22.893	0	%100
46	M48	Z	13.217	13.217	0	%100
47	M50A	X	16.005	16.005	0	%100
48	M50A	Z	9.24	9.24	0	%100
49	M51C	X	5.434	5.434	0	%100
50	M51C	Z	3.137	3.137	0	%100
51	M53	X	5.723	5.723	0	%100
52	M53	Z	3.304	3.304	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	10.699	10.699	0	%100
56	M59A	Z	6.177	6.177	0	%100
57	M60	X	10.699	10.699	0	%100
58	M60	Z	6.177	6.177	0	%100
59	M61	X	21.34	21.34	0	%100
60	M61	Z	12.32	12.32	0	%100
61	M64	X	2.962	2.962	0	%100
62	M64	Z	1.71	1.71	0	%100
63	M65	X	2.962	2.962	0	%100
64	M65	Z	1.71	1.71	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	5.434	5.434	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,%]
68	M70	Z	3.137	3.137	0	%100
69	M72	X	5.723	5.723	0	%100
70	M72	Z	3.304	3.304	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	5.434	5.434	0	%100
74	M75	Z	3.137	3.137	0	%100
75	M77A	X	5.723	5.723	0	%100
76	M77A	Z	3.304	3.304	0	%100
77	MP2A	X	8.447	8.447	0	%100
78	MP2A	Z	4.877	4.877	0	%100
79	MP3A	X	10.225	10.225	0	%100
80	MP3A	Z	5.904	5.904	0	%100
81	MP4A	X	8.447	8.447	0	%100
82	MP4A	Z	4.877	4.877	0	%100
83	M81A	X	3.038	3.038	0	%100
84	M81A	Z	1.754	1.754	0	%100
85	MP1C	X	8.447	8.447	0	%100
86	MP1C	Z	4.877	4.877	0	%100
87	MP2C	X	8.447	8.447	0	%100
88	MP2C	Z	4.877	4.877	0	%100
89	MP3C	X	10.225	10.225	0	%100
90	MP3C	Z	5.904	5.904	0	%100
91	MP4C	X	8.447	8.447	0	%100
92	MP4C	Z	4.877	4.877	0	%100
93	M90	X	12.152	12.152	0	%100
94	M90	Z	7.016	7.016	0	%100
95	MP1B	X	8.447	8.447	0	%100
96	MP1B	Z	4.877	4.877	0	%100
97	MP2B	X	8.447	8.447	0	%100
98	MP2B	Z	4.877	4.877	0	%100
99	MP3B	X	10.225	10.225	0	%100
100	MP3B	Z	5.904	5.904	0	%100
101	MP4B	X	8.447	8.447	0	%100
102	MP4B	Z	4.877	4.877	0	%100
103	M100	X	6.907	6.907	0	%100
104	M100	Z	3.988	3.988	0	%100
105	M102	X	2.556	2.556	0	%100
106	M102	Z	1.476	1.476	0	%100
107	M107	X	2.556	2.556	0	%100
108	M107	Z	1.476	1.476	0	%100
109	M112	X	10.225	10.225	0	%100
110	M112	Z	5.904	5.904	0	%100
111	M123	X	2.815	2.815	0	%100
112	M123	Z	1.625	1.625	0	%100
113	M124	X	11.259	11.259	0	%100
114	M124	Z	6.5	6.5	0	%100
115	M125	X	2.815	2.815	0	%100
116	M125	Z	1.625	1.625	0	%100
117	M126	X	17.905	17.905	0	%100
118	M126	Z	10.337	10.337	0	%100
119	M127	X	17.905	17.905	0	%100
120	M127	Z	10.337	10.337	0	%100
121	M128	X	20.519	20.519	0	%100
122	M128	Z	11.847	11.847	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	5.262	5.262	0	%100
2	M1	Z	9.114	9.114	0	%100
3	M4	X	1.825	1.825	0	%100
4	M4	Z	3.161	3.161	0	%100
5	M10	X	4.633	4.633	0	%100
6	M10	Z	8.024	8.024	0	%100
7	MP1A	X	4.877	4.877	0	%100
8	MP1A	Z	8.447	8.447	0	%100
9	M43	X	4.633	4.633	0	%100
10	M43	Z	8.024	8.024	0	%100
11	M46	X	9.24	9.24	0	%100
12	M46	Z	16.005	16.005	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	5.131	5.131	0	%100
16	M52B	Z	8.887	8.887	0	%100
17	M76	X	3.08	3.08	0	%100
18	M76	Z	5.335	5.335	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	3.08	3.08	0	%100
24	M84	Z	5.335	5.335	0	%100
25	M85	X	9.411	9.411	0	%100
26	M85	Z	16.301	16.301	0	%100
27	M91	X	9.913	9.913	0	%100
28	M91	Z	17.169	17.169	0	%100
29	M34	X	7.3	7.3	0	%100
30	M34	Z	12.644	12.644	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	5.131	5.131	0	%100
38	M40	Z	8.887	8.887	0	%100
39	M41	X	5.131	5.131	0	%100
40	M41	Z	8.887	8.887	0	%100
41	M45	X	12.32	12.32	0	%100
42	M45	Z	21.34	21.34	0	%100
43	M46A	X	9.411	9.411	0	%100
44	M46A	Z	16.301	16.301	0	%100
45	M48	X	9.913	9.913	0	%100
46	M48	Z	17.169	17.169	0	%100
47	M50A	X	12.32	12.32	0	%100
48	M50A	Z	21.34	21.34	0	%100
49	M51C	X	9.411	9.411	0	%100
50	M51C	Z	16.301	16.301	0	%100
51	M53	X	9.913	9.913	0	%100
52	M53	Z	17.169	17.169	0	%100
53	M58A	X	1.825	1.825	0	%100
54	M58A	Z	3.161	3.161	0	%100
55	M59A	X	4.633	4.633	0	%100
56	M59A	Z	8.024	8.024	0	%100
57	M60	X	4.633	4.633	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,%]
58	M60	Z	8.024	8.024	0	%100
59	M61	X	9.24	9.24	0	%100
60	M61	Z	16.005	16.005	0	%100
61	M64	X	5.131	5.131	0	%100
62	M64	Z	8.887	8.887	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	3.08	3.08	0	%100
66	M69	Z	5.335	5.335	0	%100
67	M70	X	9.411	9.411	0	%100
68	M70	Z	16.301	16.301	0	%100
69	M72	X	9.913	9.913	0	%100
70	M72	Z	17.169	17.169	0	%100
71	M74	X	3.08	3.08	0	%100
72	M74	Z	5.335	5.335	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	4.877	4.877	0	%100
78	MP2A	Z	8.447	8.447	0	%100
79	MP3A	X	5.904	5.904	0	%100
80	MP3A	Z	10.225	10.225	0	%100
81	MP4A	X	4.877	4.877	0	%100
82	MP4A	Z	8.447	8.447	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	4.877	4.877	0	%100
86	MP1C	Z	8.447	8.447	0	%100
87	MP2C	X	4.877	4.877	0	%100
88	MP2C	Z	8.447	8.447	0	%100
89	MP3C	X	5.904	5.904	0	%100
90	MP3C	Z	10.225	10.225	0	%100
91	MP4C	X	4.877	4.877	0	%100
92	MP4C	Z	8.447	8.447	0	%100
93	M90	X	5.262	5.262	0	%100
94	M90	Z	9.114	9.114	0	%100
95	MP1B	X	4.877	4.877	0	%100
96	MP1B	Z	8.447	8.447	0	%100
97	MP2B	X	4.877	4.877	0	%100
98	MP2B	Z	8.447	8.447	0	%100
99	MP3B	X	5.904	5.904	0	%100
100	MP3B	Z	10.225	10.225	0	%100
101	MP4B	X	4.877	4.877	0	%100
102	MP4B	Z	8.447	8.447	0	%100
103	M100	X	3.988	3.988	0	%100
104	M100	Z	6.907	6.907	0	%100
105	M102	X	4.428	4.428	0	%100
106	M102	Z	7.669	7.669	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	4.428	4.428	0	%100
110	M112	Z	7.669	7.669	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	4.875	4.875	0	%100
114	M124	Z	8.444	8.444	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,%]
115	M125	X	4.875	4.875	0	%100
116	M125	Z	8.444	8.444	0	%100
117	M126	X	11.344	11.344	0	%100
118	M126	Z	19.648	19.648	0	%100
119	M127	X	9.834	9.834	0	%100
120	M127	Z	17.034	17.034	0	%100
121	M128	X	11.344	11.344	0	%100
122	M128	Z	19.648	19.648	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	14.031	14.031	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	12.354	12.354	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	9.754	9.754	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	12.354	12.354	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	24.641	24.641	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	3.421	3.421	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	3.421	3.421	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	6.274	6.274	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	6.609	6.609	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	6.274	6.274	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	6.609	6.609	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	10.95	10.95	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	3.088	3.088	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	3.088	3.088	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	6.16	6.16	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	3.421	3.421	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	13.683	13.683	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	18.481	18.481	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	6.274	6.274	0	%100
45	M48	X	0	0	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,%]
46	M48	Z	6.609	6.609	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	18.481	18.481	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	25.097	25.097	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	26.434	26.434	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	10.95	10.95	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	3.088	3.088	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	3.088	3.088	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	6.16	6.16	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	13.683	13.683	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	3.421	3.421	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	18.481	18.481	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	25.097	25.097	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	26.434	26.434	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	18.481	18.481	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	6.274	6.274	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	6.609	6.609	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	9.754	9.754	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	11.807	11.807	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	9.754	9.754	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	3.508	3.508	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	9.754	9.754	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	9.754	9.754	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	11.807	11.807	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	9.754	9.754	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	3.508	3.508	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	9.754	9.754	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	9.754	9.754	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	11.807	11.807	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	9.754	9.754	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,%]
103	M100	X	0	0	0	%100
104	M100	Z	7.976	7.976	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	11.807	11.807	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	2.952	2.952	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	2.952	2.952	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	3.25	3.25	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	3.25	3.25	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	13.001	13.001	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	23.693	23.693	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	20.675	20.675	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	20.675	20.675	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	-5.262	-5.262	0	%100
2	M1	Z	9.114	9.114	0	%100
3	M4	X	-1.825	-1.825	0	%100
4	M4	Z	3.161	3.161	0	%100
5	M10	X	-4.633	-4.633	0	%100
6	M10	Z	8.024	8.024	0	%100
7	MP1A	X	-4.877	-4.877	0	%100
8	MP1A	Z	8.447	8.447	0	%100
9	M43	X	-4.633	-4.633	0	%100
10	M43	Z	8.024	8.024	0	%100
11	M46	X	-9.24	-9.24	0	%100
12	M46	Z	16.005	16.005	0	%100
13	M51B	X	-5.131	-5.131	0	%100
14	M51B	Z	8.887	8.887	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-3.08	-3.08	0	%100
18	M76	Z	5.335	5.335	0	%100
19	M77	X	-9.411	-9.411	0	%100
20	M77	Z	16.301	16.301	0	%100
21	M80	X	-9.913	-9.913	0	%100
22	M80	Z	17.169	17.169	0	%100
23	M84	X	-3.08	-3.08	0	%100
24	M84	Z	5.335	5.335	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-1.825	-1.825	0	%100
30	M34	Z	3.161	3.161	0	%100
31	M35	X	-4.633	-4.633	0	%100
32	M35	Z	8.024	8.024	0	%100
33	M36	X	-4.633	-4.633	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,%]
34	M36	Z	8.024	8.024	0	%100
35	M37	X	-9.24	-9.24	0	%100
36	M37	Z	16.005	16.005	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	-5.131	-5.131	0	%100
40	M41	Z	8.887	8.887	0	%100
41	M45	X	-3.08	-3.08	0	%100
42	M45	Z	5.335	5.335	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-3.08	-3.08	0	%100
48	M50A	Z	5.335	5.335	0	%100
49	M51C	X	-9.411	-9.411	0	%100
50	M51C	Z	16.301	16.301	0	%100
51	M53	X	-9.913	-9.913	0	%100
52	M53	Z	17.169	17.169	0	%100
53	M58A	X	-7.3	-7.3	0	%100
54	M58A	Z	12.644	12.644	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	-5.131	-5.131	0	%100
62	M64	Z	8.887	8.887	0	%100
63	M65	X	-5.131	-5.131	0	%100
64	M65	Z	8.887	8.887	0	%100
65	M69	X	-12.32	-12.32	0	%100
66	M69	Z	21.34	21.34	0	%100
67	M70	X	-9.411	-9.411	0	%100
68	M70	Z	16.301	16.301	0	%100
69	M72	X	-9.913	-9.913	0	%100
70	M72	Z	17.169	17.169	0	%100
71	M74	X	-12.32	-12.32	0	%100
72	M74	Z	21.34	21.34	0	%100
73	M75	X	-9.411	-9.411	0	%100
74	M75	Z	16.301	16.301	0	%100
75	M77A	X	-9.913	-9.913	0	%100
76	M77A	Z	17.169	17.169	0	%100
77	MP2A	X	-4.877	-4.877	0	%100
78	MP2A	Z	8.447	8.447	0	%100
79	MP3A	X	-5.904	-5.904	0	%100
80	MP3A	Z	10.225	10.225	0	%100
81	MP4A	X	-4.877	-4.877	0	%100
82	MP4A	Z	8.447	8.447	0	%100
83	M81A	X	-5.262	-5.262	0	%100
84	M81A	Z	9.114	9.114	0	%100
85	MP1C	X	-4.877	-4.877	0	%100
86	MP1C	Z	8.447	8.447	0	%100
87	MP2C	X	-4.877	-4.877	0	%100
88	MP2C	Z	8.447	8.447	0	%100
89	MP3C	X	-5.904	-5.904	0	%100
90	MP3C	Z	10.225	10.225	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,%]
91	MP4C	X	-4.877	-4.877	0	%100
92	MP4C	Z	8.447	8.447	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	-4.877	-4.877	0	%100
96	MP1B	Z	8.447	8.447	0	%100
97	MP2B	X	-4.877	-4.877	0	%100
98	MP2B	Z	8.447	8.447	0	%100
99	MP3B	X	-5.904	-5.904	0	%100
100	MP3B	Z	10.225	10.225	0	%100
101	MP4B	X	-4.877	-4.877	0	%100
102	MP4B	Z	8.447	8.447	0	%100
103	M100	X	-3.988	-3.988	0	%100
104	M100	Z	6.907	6.907	0	%100
105	M102	X	-4.428	-4.428	0	%100
106	M102	Z	7.669	7.669	0	%100
107	M107	X	-4.428	-4.428	0	%100
108	M107	Z	7.669	7.669	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-4.875	-4.875	0	%100
112	M123	Z	8.444	8.444	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-4.875	-4.875	0	%100
116	M125	Z	8.444	8.444	0	%100
117	M126	X	-11.344	-11.344	0	%100
118	M126	Z	19.648	19.648	0	%100
119	M127	X	-11.344	-11.344	0	%100
120	M127	Z	19.648	19.648	0	%100
121	M128	X	-9.834	-9.834	0	%100
122	M128	Z	17.034	17.034	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	-3.038	-3.038	0	%100
2	M1	Z	1.754	1.754	0	%100
3	M4	X	-9.483	-9.483	0	%100
4	M4	Z	5.475	5.475	0	%100
5	M10	X	-2.675	-2.675	0	%100
6	M10	Z	1.544	1.544	0	%100
7	MP1A	X	-8.447	-8.447	0	%100
8	MP1A	Z	4.877	4.877	0	%100
9	M43	X	-2.675	-2.675	0	%100
10	M43	Z	1.544	1.544	0	%100
11	M46	X	-5.335	-5.335	0	%100
12	M46	Z	3.08	3.08	0	%100
13	M51B	X	-11.849	-11.849	0	%100
14	M51B	Z	6.841	6.841	0	%100
15	M52B	X	-2.962	-2.962	0	%100
16	M52B	Z	1.71	1.71	0	%100
17	M76	X	-16.005	-16.005	0	%100
18	M76	Z	9.24	9.24	0	%100
19	M77	X	-21.735	-21.735	0	%100
20	M77	Z	12.549	12.549	0	%100
21	M80	X	-22.893	-22.893	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,%]
22	M80	Z	13.217	13.217	0	%100
23	M84	X	-16.005	-16.005	0	%100
24	M84	Z	9.24	9.24	0	%100
25	M85	X	-5.434	-5.434	0	%100
26	M85	Z	3.137	3.137	0	%100
27	M91	X	-5.723	-5.723	0	%100
28	M91	Z	3.304	3.304	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-10.699	-10.699	0	%100
32	M35	Z	6.177	6.177	0	%100
33	M36	X	-10.699	-10.699	0	%100
34	M36	Z	6.177	6.177	0	%100
35	M37	X	-21.34	-21.34	0	%100
36	M37	Z	12.32	12.32	0	%100
37	M40	X	-2.962	-2.962	0	%100
38	M40	Z	1.71	1.71	0	%100
39	M41	X	-2.962	-2.962	0	%100
40	M41	Z	1.71	1.71	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-5.434	-5.434	0	%100
44	M46A	Z	3.137	3.137	0	%100
45	M48	X	-5.723	-5.723	0	%100
46	M48	Z	3.304	3.304	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	-5.434	-5.434	0	%100
50	M51C	Z	3.137	3.137	0	%100
51	M53	X	-5.723	-5.723	0	%100
52	M53	Z	3.304	3.304	0	%100
53	M58A	X	-9.483	-9.483	0	%100
54	M58A	Z	5.475	5.475	0	%100
55	M59A	X	-2.675	-2.675	0	%100
56	M59A	Z	1.544	1.544	0	%100
57	M60	X	-2.675	-2.675	0	%100
58	M60	Z	1.544	1.544	0	%100
59	M61	X	-5.335	-5.335	0	%100
60	M61	Z	3.08	3.08	0	%100
61	M64	X	-2.962	-2.962	0	%100
62	M64	Z	1.71	1.71	0	%100
63	M65	X	-11.849	-11.849	0	%100
64	M65	Z	6.841	6.841	0	%100
65	M69	X	-16.005	-16.005	0	%100
66	M69	Z	9.24	9.24	0	%100
67	M70	X	-5.434	-5.434	0	%100
68	M70	Z	3.137	3.137	0	%100
69	M72	X	-5.723	-5.723	0	%100
70	M72	Z	3.304	3.304	0	%100
71	M74	X	-16.005	-16.005	0	%100
72	M74	Z	9.24	9.24	0	%100
73	M75	X	-21.735	-21.735	0	%100
74	M75	Z	12.549	12.549	0	%100
75	M77A	X	-22.893	-22.893	0	%100
76	M77A	Z	13.217	13.217	0	%100
77	MP2A	X	-8.447	-8.447	0	%100
78	MP2A	Z	4.877	4.877	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,%]
79	MP3A	X	-10.225	-10.225	0	%100
80	MP3A	Z	5.904	5.904	0	%100
81	MP4A	X	-8.447	-8.447	0	%100
82	MP4A	Z	4.877	4.877	0	%100
83	M81A	X	-12.152	-12.152	0	%100
84	M81A	Z	7.016	7.016	0	%100
85	MP1C	X	-8.447	-8.447	0	%100
86	MP1C	Z	4.877	4.877	0	%100
87	MP2C	X	-8.447	-8.447	0	%100
88	MP2C	Z	4.877	4.877	0	%100
89	MP3C	X	-10.225	-10.225	0	%100
90	MP3C	Z	5.904	5.904	0	%100
91	MP4C	X	-8.447	-8.447	0	%100
92	MP4C	Z	4.877	4.877	0	%100
93	M90	X	-3.038	-3.038	0	%100
94	M90	Z	1.754	1.754	0	%100
95	MP1B	X	-8.447	-8.447	0	%100
96	MP1B	Z	4.877	4.877	0	%100
97	MP2B	X	-8.447	-8.447	0	%100
98	MP2B	Z	4.877	4.877	0	%100
99	MP3B	X	-10.225	-10.225	0	%100
100	MP3B	Z	5.904	5.904	0	%100
101	MP4B	X	-8.447	-8.447	0	%100
102	MP4B	Z	4.877	4.877	0	%100
103	M100	X	-6.907	-6.907	0	%100
104	M100	Z	3.988	3.988	0	%100
105	M102	X	-2.556	-2.556	0	%100
106	M102	Z	1.476	1.476	0	%100
107	M107	X	-10.225	-10.225	0	%100
108	M107	Z	5.904	5.904	0	%100
109	M112	X	-2.556	-2.556	0	%100
110	M112	Z	1.476	1.476	0	%100
111	M123	X	-11.259	-11.259	0	%100
112	M123	Z	6.5	6.5	0	%100
113	M124	X	-2.815	-2.815	0	%100
114	M124	Z	1.625	1.625	0	%100
115	M125	X	-2.815	-2.815	0	%100
116	M125	Z	1.625	1.625	0	%100
117	M126	X	-17.905	-17.905	0	%100
118	M126	Z	10.337	10.337	0	%100
119	M127	X	-20.519	-20.519	0	%100
120	M127	Z	11.847	11.847	0	%100
121	M128	X	-17.905	-17.905	0	%100
122	M128	Z	10.337	10.337	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	-14.6	-14.6	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-9.754	-9.754	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	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,%]
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-10.262	-10.262	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-10.262	-10.262	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-24.641	-24.641	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-18.823	-18.823	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-19.826	-19.826	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-24.641	-24.641	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-18.823	-18.823	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-19.826	-19.826	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-3.65	-3.65	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-9.265	-9.265	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	-9.265	-9.265	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	-18.481	-18.481	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-10.262	-10.262	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	-6.16	-6.16	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-18.823	-18.823	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	-19.826	-19.826	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-6.16	-6.16	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	-3.65	-3.65	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-9.265	-9.265	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	-9.265	-9.265	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-18.481	-18.481	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-10.262	-10.262	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-6.16	-6.16	0	%100
66	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,%]
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	-6.16	-6.16	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-18.823	-18.823	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	-19.826	-19.826	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-9.754	-9.754	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-11.807	-11.807	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-9.754	-9.754	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	-10.524	-10.524	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-9.754	-9.754	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-9.754	-9.754	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-11.807	-11.807	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-9.754	-9.754	0	%100
92	MP4C	Z	0	0	0	%100
93	M90	X	-10.524	-10.524	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	-9.754	-9.754	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-9.754	-9.754	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-11.807	-11.807	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-9.754	-9.754	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	-7.976	-7.976	0	%100
104	M100	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-8.855	-8.855	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-8.855	-8.855	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-9.751	-9.751	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-9.751	-9.751	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	-19.669	-19.669	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-22.687	-22.687	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-22.687	-22.687	0	%100
122	M128	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	-3.038	-3.038	0	%100
2	M1	Z	-1.754	-1.754	0	%100
3	M4	X	-9.483	-9.483	0	%100
4	M4	Z	-5.475	-5.475	0	%100
5	M10	X	-2.675	-2.675	0	%100
6	M10	Z	-1.544	-1.544	0	%100
7	MP1A	X	-8.447	-8.447	0	%100
8	MP1A	Z	-4.877	-4.877	0	%100
9	M43	X	-2.675	-2.675	0	%100
10	M43	Z	-1.544	-1.544	0	%100
11	M46	X	-5.335	-5.335	0	%100
12	M46	Z	-3.08	-3.08	0	%100
13	M51B	X	-2.962	-2.962	0	%100
14	M51B	Z	-1.71	-1.71	0	%100
15	M52B	X	-11.849	-11.849	0	%100
16	M52B	Z	-6.841	-6.841	0	%100
17	M76	X	-16.005	-16.005	0	%100
18	M76	Z	-9.24	-9.24	0	%100
19	M77	X	-5.434	-5.434	0	%100
20	M77	Z	-3.137	-3.137	0	%100
21	M80	X	-5.723	-5.723	0	%100
22	M80	Z	-3.304	-3.304	0	%100
23	M84	X	-16.005	-16.005	0	%100
24	M84	Z	-9.24	-9.24	0	%100
25	M85	X	-21.735	-21.735	0	%100
26	M85	Z	-12.549	-12.549	0	%100
27	M91	X	-22.893	-22.893	0	%100
28	M91	Z	-13.217	-13.217	0	%100
29	M34	X	-9.483	-9.483	0	%100
30	M34	Z	-5.475	-5.475	0	%100
31	M35	X	-2.675	-2.675	0	%100
32	M35	Z	-1.544	-1.544	0	%100
33	M36	X	-2.675	-2.675	0	%100
34	M36	Z	-1.544	-1.544	0	%100
35	M37	X	-5.335	-5.335	0	%100
36	M37	Z	-3.08	-3.08	0	%100
37	M40	X	-11.849	-11.849	0	%100
38	M40	Z	-6.841	-6.841	0	%100
39	M41	X	-2.962	-2.962	0	%100
40	M41	Z	-1.71	-1.71	0	%100
41	M45	X	-16.005	-16.005	0	%100
42	M45	Z	-9.24	-9.24	0	%100
43	M46A	X	-21.735	-21.735	0	%100
44	M46A	Z	-12.549	-12.549	0	%100
45	M48	X	-22.893	-22.893	0	%100
46	M48	Z	-13.217	-13.217	0	%100
47	M50A	X	-16.005	-16.005	0	%100
48	M50A	Z	-9.24	-9.24	0	%100
49	M51C	X	-5.434	-5.434	0	%100
50	M51C	Z	-3.137	-3.137	0	%100
51	M53	X	-5.723	-5.723	0	%100
52	M53	Z	-3.304	-3.304	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-10.699	-10.699	0	%100
56	M59A	Z	-6.177	-6.177	0	%100
57	M60	X	-10.699	-10.699	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,%]
58	M60	Z	-6.177	-6.177	0	%100
59	M61	X	-21.34	-21.34	0	%100
60	M61	Z	-12.32	-12.32	0	%100
61	M64	X	-2.962	-2.962	0	%100
62	M64	Z	-1.71	-1.71	0	%100
63	M65	X	-2.962	-2.962	0	%100
64	M65	Z	-1.71	-1.71	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-5.434	-5.434	0	%100
68	M70	Z	-3.137	-3.137	0	%100
69	M72	X	-5.723	-5.723	0	%100
70	M72	Z	-3.304	-3.304	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-5.434	-5.434	0	%100
74	M75	Z	-3.137	-3.137	0	%100
75	M77A	X	-5.723	-5.723	0	%100
76	M77A	Z	-3.304	-3.304	0	%100
77	MP2A	X	-8.447	-8.447	0	%100
78	MP2A	Z	-4.877	-4.877	0	%100
79	MP3A	X	-10.225	-10.225	0	%100
80	MP3A	Z	-5.904	-5.904	0	%100
81	MP4A	X	-8.447	-8.447	0	%100
82	MP4A	Z	-4.877	-4.877	0	%100
83	M81A	X	-3.038	-3.038	0	%100
84	M81A	Z	-1.754	-1.754	0	%100
85	MP1C	X	-8.447	-8.447	0	%100
86	MP1C	Z	-4.877	-4.877	0	%100
87	MP2C	X	-8.447	-8.447	0	%100
88	MP2C	Z	-4.877	-4.877	0	%100
89	MP3C	X	-10.225	-10.225	0	%100
90	MP3C	Z	-5.904	-5.904	0	%100
91	MP4C	X	-8.447	-8.447	0	%100
92	MP4C	Z	-4.877	-4.877	0	%100
93	M90	X	-12.152	-12.152	0	%100
94	M90	Z	-7.016	-7.016	0	%100
95	MP1B	X	-8.447	-8.447	0	%100
96	MP1B	Z	-4.877	-4.877	0	%100
97	MP2B	X	-8.447	-8.447	0	%100
98	MP2B	Z	-4.877	-4.877	0	%100
99	MP3B	X	-10.225	-10.225	0	%100
100	MP3B	Z	-5.904	-5.904	0	%100
101	MP4B	X	-8.447	-8.447	0	%100
102	MP4B	Z	-4.877	-4.877	0	%100
103	M100	X	-6.907	-6.907	0	%100
104	M100	Z	-3.988	-3.988	0	%100
105	M102	X	-2.556	-2.556	0	%100
106	M102	Z	-1.476	-1.476	0	%100
107	M107	X	-2.556	-2.556	0	%100
108	M107	Z	-1.476	-1.476	0	%100
109	M112	X	-10.225	-10.225	0	%100
110	M112	Z	-5.904	-5.904	0	%100
111	M123	X	-2.815	-2.815	0	%100
112	M123	Z	-1.625	-1.625	0	%100
113	M124	X	-11.259	-11.259	0	%100
114	M124	Z	-6.5	-6.5	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,%]
115	M125	X	-2.815	-2.815	0	%100
116	M125	Z	-1.625	-1.625	0	%100
117	M126	X	-17.905	-17.905	0	%100
118	M126	Z	-10.337	-10.337	0	%100
119	M127	X	-17.905	-17.905	0	%100
120	M127	Z	-10.337	-10.337	0	%100
121	M128	X	-20.519	-20.519	0	%100
122	M128	Z	-11.847	-11.847	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	-5.262	-5.262	0	%100
2	M1	Z	-9.114	-9.114	0	%100
3	M4	X	-1.825	-1.825	0	%100
4	M4	Z	-3.161	-3.161	0	%100
5	M10	X	-4.633	-4.633	0	%100
6	M10	Z	-8.024	-8.024	0	%100
7	MP1A	X	-4.877	-4.877	0	%100
8	MP1A	Z	-8.447	-8.447	0	%100
9	M43	X	-4.633	-4.633	0	%100
10	M43	Z	-8.024	-8.024	0	%100
11	M46	X	-9.24	-9.24	0	%100
12	M46	Z	-16.005	-16.005	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-5.131	-5.131	0	%100
16	M52B	Z	-8.887	-8.887	0	%100
17	M76	X	-3.08	-3.08	0	%100
18	M76	Z	-5.335	-5.335	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-3.08	-3.08	0	%100
24	M84	Z	-5.335	-5.335	0	%100
25	M85	X	-9.411	-9.411	0	%100
26	M85	Z	-16.301	-16.301	0	%100
27	M91	X	-9.913	-9.913	0	%100
28	M91	Z	-17.169	-17.169	0	%100
29	M34	X	-7.3	-7.3	0	%100
30	M34	Z	-12.644	-12.644	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-5.131	-5.131	0	%100
38	M40	Z	-8.887	-8.887	0	%100
39	M41	X	-5.131	-5.131	0	%100
40	M41	Z	-8.887	-8.887	0	%100
41	M45	X	-12.32	-12.32	0	%100
42	M45	Z	-21.34	-21.34	0	%100
43	M46A	X	-9.411	-9.411	0	%100
44	M46A	Z	-16.301	-16.301	0	%100
45	M48	X	-9.913	-9.913	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,%]
46	M48	Z	-17.169	-17.169	0	%100
47	M50A	X	-12.32	-12.32	0	%100
48	M50A	Z	-21.34	-21.34	0	%100
49	M51C	X	-9.411	-9.411	0	%100
50	M51C	Z	-16.301	-16.301	0	%100
51	M53	X	-9.913	-9.913	0	%100
52	M53	Z	-17.169	-17.169	0	%100
53	M58A	X	-1.825	-1.825	0	%100
54	M58A	Z	-3.161	-3.161	0	%100
55	M59A	X	-4.633	-4.633	0	%100
56	M59A	Z	-8.024	-8.024	0	%100
57	M60	X	-4.633	-4.633	0	%100
58	M60	Z	-8.024	-8.024	0	%100
59	M61	X	-9.24	-9.24	0	%100
60	M61	Z	-16.005	-16.005	0	%100
61	M64	X	-5.131	-5.131	0	%100
62	M64	Z	-8.887	-8.887	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-3.08	-3.08	0	%100
66	M69	Z	-5.335	-5.335	0	%100
67	M70	X	-9.411	-9.411	0	%100
68	M70	Z	-16.301	-16.301	0	%100
69	M72	X	-9.913	-9.913	0	%100
70	M72	Z	-17.169	-17.169	0	%100
71	M74	X	-3.08	-3.08	0	%100
72	M74	Z	-5.335	-5.335	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-4.877	-4.877	0	%100
78	MP2A	Z	-8.447	-8.447	0	%100
79	MP3A	X	-5.904	-5.904	0	%100
80	MP3A	Z	-10.225	-10.225	0	%100
81	MP4A	X	-4.877	-4.877	0	%100
82	MP4A	Z	-8.447	-8.447	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-4.877	-4.877	0	%100
86	MP1C	Z	-8.447	-8.447	0	%100
87	MP2C	X	-4.877	-4.877	0	%100
88	MP2C	Z	-8.447	-8.447	0	%100
89	MP3C	X	-5.904	-5.904	0	%100
90	MP3C	Z	-10.225	-10.225	0	%100
91	MP4C	X	-4.877	-4.877	0	%100
92	MP4C	Z	-8.447	-8.447	0	%100
93	M90	X	-5.262	-5.262	0	%100
94	M90	Z	-9.114	-9.114	0	%100
95	MP1B	X	-4.877	-4.877	0	%100
96	MP1B	Z	-8.447	-8.447	0	%100
97	MP2B	X	-4.877	-4.877	0	%100
98	MP2B	Z	-8.447	-8.447	0	%100
99	MP3B	X	-5.904	-5.904	0	%100
100	MP3B	Z	-10.225	-10.225	0	%100
101	MP4B	X	-4.877	-4.877	0	%100
102	MP4B	Z	-8.447	-8.447	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,%]
103	M100	X	-3.988	-3.988	0	%100
104	M100	Z	-6.907	-6.907	0	%100
105	M102	X	-4.428	-4.428	0	%100
106	M102	Z	-7.669	-7.669	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-4.428	-4.428	0	%100
110	M112	Z	-7.669	-7.669	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-4.875	-4.875	0	%100
114	M124	Z	-8.444	-8.444	0	%100
115	M125	X	-4.875	-4.875	0	%100
116	M125	Z	-8.444	-8.444	0	%100
117	M126	X	-11.344	-11.344	0	%100
118	M126	Z	-19.648	-19.648	0	%100
119	M127	X	-9.834	-9.834	0	%100
120	M127	Z	-17.034	-17.034	0	%100
121	M128	X	-11.344	-11.344	0	%100
122	M128	Z	-19.648	-19.648	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-5.023	-5.023	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	-3.898	-3.898	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-4.023	-4.023	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	-3.898	-3.898	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-5.851	-5.851	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-1.105	-1.105	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-1.105	-1.105	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-1.47	-1.47	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-1.53	-1.53	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-1.47	-1.47	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-1.53	-1.53	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	-3.561	-3.561	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	-.975	-.975	0	%100
33	M36	X	0	0	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,%]
34	M36	Z	-.975	-.975	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	-1.463	-1.463	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-1.105	-1.105	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	-4.421	-4.421	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	-4.35	-4.35	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	-1.47	-1.47	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	-1.53	-1.53	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	-4.35	-4.35	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	-5.88	-5.88	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-6.119	-6.119	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	-3.561	-3.561	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	-.975	-.975	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	-.975	-.975	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	-1.463	-1.463	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-4.421	-4.421	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-1.105	-1.105	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-4.35	-4.35	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	-5.88	-5.88	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-6.119	-6.119	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	-4.35	-4.35	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	-1.47	-1.47	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	-1.53	-1.53	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-4.023	-4.023	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-4.386	-4.386	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-4.023	-4.023	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	-1.256	-1.256	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-4.023	-4.023	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-4.023	-4.023	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-4.386	-4.386	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,%]
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-4.023	-4.023	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	-1.256	-1.256	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-4.023	-4.023	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-4.023	-4.023	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-4.386	-4.386	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-4.023	-4.023	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-3.226	-3.226	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-4.57	-4.57	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-1.142	-1.142	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-1.142	-1.142	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.948	-.948	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.948	-.948	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-3.791	-3.791	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-5.784	-5.784	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-5.73	-5.73	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-5.73	-5.73	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	1.884	1.884	0	%100
2	M1	Z	-3.262	-3.262	0	%100
3	M4	X	.593	.593	0	%100
4	M4	Z	-1.028	-1.028	0	%100
5	M10	X	1.462	1.462	0	%100
6	M10	Z	-2.532	-2.532	0	%100
7	MP1A	X	2.012	2.012	0	%100
8	MP1A	Z	-3.484	-3.484	0	%100
9	M43	X	1.462	1.462	0	%100
10	M43	Z	-2.532	-2.532	0	%100
11	M46	X	2.194	2.194	0	%100
12	M46	Z	-3.8	-3.8	0	%100
13	M51B	X	1.658	1.658	0	%100
14	M51B	Z	-2.871	-2.871	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.725	.725	0	%100
18	M76	Z	-1.256	-1.256	0	%100
19	M77	X	2.205	2.205	0	%100
20	M77	Z	-3.819	-3.819	0	%100
21	M80	X	2.295	2.295	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,%]
22	M80	Z	-3.974	-3.974	0	%100
23	M84	X	.725	.725	0	%100
24	M84	Z	-1.256	-1.256	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	.593	.593	0	%100
30	M34	Z	-1.028	-1.028	0	%100
31	M35	X	1.462	1.462	0	%100
32	M35	Z	-2.532	-2.532	0	%100
33	M36	X	1.462	1.462	0	%100
34	M36	Z	-2.532	-2.532	0	%100
35	M37	X	2.194	2.194	0	%100
36	M37	Z	-3.8	-3.8	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	1.658	1.658	0	%100
40	M41	Z	-2.871	-2.871	0	%100
41	M45	X	.725	.725	0	%100
42	M45	Z	-1.256	-1.256	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	.725	.725	0	%100
48	M50A	Z	-1.256	-1.256	0	%100
49	M51C	X	2.205	2.205	0	%100
50	M51C	Z	-3.819	-3.819	0	%100
51	M53	X	2.295	2.295	0	%100
52	M53	Z	-3.974	-3.974	0	%100
53	M58A	X	2.374	2.374	0	%100
54	M58A	Z	-4.112	-4.112	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	1.658	1.658	0	%100
62	M64	Z	-2.871	-2.871	0	%100
63	M65	X	1.658	1.658	0	%100
64	M65	Z	-2.871	-2.871	0	%100
65	M69	X	2.9	2.9	0	%100
66	M69	Z	-5.023	-5.023	0	%100
67	M70	X	2.205	2.205	0	%100
68	M70	Z	-3.819	-3.819	0	%100
69	M72	X	2.295	2.295	0	%100
70	M72	Z	-3.974	-3.974	0	%100
71	M74	X	2.9	2.9	0	%100
72	M74	Z	-5.023	-5.023	0	%100
73	M75	X	2.205	2.205	0	%100
74	M75	Z	-3.819	-3.819	0	%100
75	M77A	X	2.295	2.295	0	%100
76	M77A	Z	-3.974	-3.974	0	%100
77	MP2A	X	2.012	2.012	0	%100
78	MP2A	Z	-3.484	-3.484	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,%]
79	MP3A	X	2.193	2.193	0	%100
80	MP3A	Z	-3.798	-3.798	0	%100
81	MP4A	X	2.012	2.012	0	%100
82	MP4A	Z	-3.484	-3.484	0	%100
83	M81A	X	1.884	1.884	0	%100
84	M81A	Z	-3.262	-3.262	0	%100
85	MP1C	X	2.012	2.012	0	%100
86	MP1C	Z	-3.484	-3.484	0	%100
87	MP2C	X	2.012	2.012	0	%100
88	MP2C	Z	-3.484	-3.484	0	%100
89	MP3C	X	2.193	2.193	0	%100
90	MP3C	Z	-3.798	-3.798	0	%100
91	MP4C	X	2.012	2.012	0	%100
92	MP4C	Z	-3.484	-3.484	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	2.012	2.012	0	%100
96	MP1B	Z	-3.484	-3.484	0	%100
97	MP2B	X	2.012	2.012	0	%100
98	MP2B	Z	-3.484	-3.484	0	%100
99	MP3B	X	2.193	2.193	0	%100
100	MP3B	Z	-3.798	-3.798	0	%100
101	MP4B	X	2.012	2.012	0	%100
102	MP4B	Z	-3.484	-3.484	0	%100
103	M100	X	1.613	1.613	0	%100
104	M100	Z	-2.794	-2.794	0	%100
105	M102	X	1.714	1.714	0	%100
106	M102	Z	-2.968	-2.968	0	%100
107	M107	X	1.714	1.714	0	%100
108	M107	Z	-2.968	-2.968	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	1.422	1.422	0	%100
112	M123	Z	-2.462	-2.462	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	1.421	1.421	0	%100
116	M125	Z	-2.462	-2.462	0	%100
117	M126	X	2.883	2.883	0	%100
118	M126	Z	-4.994	-4.994	0	%100
119	M127	X	2.883	2.883	0	%100
120	M127	Z	-4.994	-4.994	0	%100
121	M128	X	2.856	2.856	0	%100
122	M128	Z	-4.947	-4.947	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.087	1.087	0	%100
2	M1	Z	-.628	-.628	0	%100
3	M4	X	3.084	3.084	0	%100
4	M4	Z	-1.78	-1.78	0	%100
5	M10	X	.844	.844	0	%100
6	M10	Z	-.487	-.487	0	%100
7	MP1A	X	3.484	3.484	0	%100
8	MP1A	Z	-2.012	-2.012	0	%100
9	M43	X	.844	.844	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,%]
10	M43	Z	-.487	-.487	0	%100
11	M46	X	1.267	1.267	0	%100
12	M46	Z	-.731	-.731	0	%100
13	M51B	X	3.828	3.828	0	%100
14	M51B	Z	-2.21	-2.21	0	%100
15	M52B	X	.957	.957	0	%100
16	M52B	Z	-.553	-.553	0	%100
17	M76	X	3.767	3.767	0	%100
18	M76	Z	-2.175	-2.175	0	%100
19	M77	X	5.093	5.093	0	%100
20	M77	Z	-2.94	-2.94	0	%100
21	M80	X	5.299	5.299	0	%100
22	M80	Z	-3.059	-3.059	0	%100
23	M84	X	3.767	3.767	0	%100
24	M84	Z	-2.175	-2.175	0	%100
25	M85	X	1.273	1.273	0	%100
26	M85	Z	-.735	-.735	0	%100
27	M91	X	1.325	1.325	0	%100
28	M91	Z	-.765	-.765	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	3.376	3.376	0	%100
32	M35	Z	-1.949	-1.949	0	%100
33	M36	X	3.376	3.376	0	%100
34	M36	Z	-1.949	-1.949	0	%100
35	M37	X	5.067	5.067	0	%100
36	M37	Z	-2.925	-2.925	0	%100
37	M40	X	.957	.957	0	%100
38	M40	Z	-.553	-.553	0	%100
39	M41	X	.957	.957	0	%100
40	M41	Z	-.553	-.553	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	1.273	1.273	0	%100
44	M46A	Z	-.735	-.735	0	%100
45	M48	X	1.325	1.325	0	%100
46	M48	Z	-.765	-.765	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	1.273	1.273	0	%100
50	M51C	Z	-.735	-.735	0	%100
51	M53	X	1.325	1.325	0	%100
52	M53	Z	-.765	-.765	0	%100
53	M58A	X	3.084	3.084	0	%100
54	M58A	Z	-1.78	-1.78	0	%100
55	M59A	X	.844	.844	0	%100
56	M59A	Z	-.487	-.487	0	%100
57	M60	X	.844	.844	0	%100
58	M60	Z	-.487	-.487	0	%100
59	M61	X	1.267	1.267	0	%100
60	M61	Z	-.731	-.731	0	%100
61	M64	X	.957	.957	0	%100
62	M64	Z	-.553	-.553	0	%100
63	M65	X	3.828	3.828	0	%100
64	M65	Z	-2.21	-2.21	0	%100
65	M69	X	3.767	3.767	0	%100
66	M69	Z	-2.175	-2.175	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,%]
67	M70	X	1.273	1.273	0	%100
68	M70	Z	-.735	-.735	0	%100
69	M72	X	1.325	1.325	0	%100
70	M72	Z	-.765	-.765	0	%100
71	M74	X	3.767	3.767	0	%100
72	M74	Z	-2.175	-2.175	0	%100
73	M75	X	5.093	5.093	0	%100
74	M75	Z	-2.94	-2.94	0	%100
75	M77A	X	5.299	5.299	0	%100
76	M77A	Z	-3.059	-3.059	0	%100
77	MP2A	X	3.484	3.484	0	%100
78	MP2A	Z	-2.012	-2.012	0	%100
79	MP3A	X	3.798	3.798	0	%100
80	MP3A	Z	-2.193	-2.193	0	%100
81	MP4A	X	3.484	3.484	0	%100
82	MP4A	Z	-2.012	-2.012	0	%100
83	M81A	X	4.35	4.35	0	%100
84	M81A	Z	-2.511	-2.511	0	%100
85	MP1C	X	3.484	3.484	0	%100
86	MP1C	Z	-2.012	-2.012	0	%100
87	MP2C	X	3.484	3.484	0	%100
88	MP2C	Z	-2.012	-2.012	0	%100
89	MP3C	X	3.798	3.798	0	%100
90	MP3C	Z	-2.193	-2.193	0	%100
91	MP4C	X	3.484	3.484	0	%100
92	MP4C	Z	-2.012	-2.012	0	%100
93	M90	X	1.087	1.087	0	%100
94	M90	Z	-.628	-.628	0	%100
95	MP1B	X	3.484	3.484	0	%100
96	MP1B	Z	-2.012	-2.012	0	%100
97	MP2B	X	3.484	3.484	0	%100
98	MP2B	Z	-2.012	-2.012	0	%100
99	MP3B	X	3.798	3.798	0	%100
100	MP3B	Z	-2.193	-2.193	0	%100
101	MP4B	X	3.484	3.484	0	%100
102	MP4B	Z	-2.012	-2.012	0	%100
103	M100	X	2.794	2.794	0	%100
104	M100	Z	-1.613	-1.613	0	%100
105	M102	X	.989	.989	0	%100
106	M102	Z	-.571	-.571	0	%100
107	M107	X	3.958	3.958	0	%100
108	M107	Z	-2.285	-2.285	0	%100
109	M112	X	.989	.989	0	%100
110	M112	Z	-.571	-.571	0	%100
111	M123	X	3.283	3.283	0	%100
112	M123	Z	-1.895	-1.895	0	%100
113	M124	X	.821	.821	0	%100
114	M124	Z	-.474	-.474	0	%100
115	M125	X	.821	.821	0	%100
116	M125	Z	-.474	-.474	0	%100
117	M126	X	4.962	4.962	0	%100
118	M126	Z	-2.865	-2.865	0	%100
119	M127	X	5.009	5.009	0	%100
120	M127	Z	-2.892	-2.892	0	%100
121	M128	X	4.962	4.962	0	%100
122	M128	Z	-2.865	-2.865	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	4.748	4.748	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	4.023	4.023	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	3.316	3.316	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	3.316	3.316	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	5.8	5.8	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	4.41	4.41	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	4.589	4.589	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	5.8	5.8	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	4.41	4.41	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	4.589	4.589	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	1.187	1.187	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	2.924	2.924	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	2.924	2.924	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	4.388	4.388	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	3.316	3.316	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	1.45	1.45	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	4.41	4.41	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	4.589	4.589	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	1.45	1.45	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	1.187	1.187	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	2.924	2.924	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	2.924	2.924	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,%]
58	M60	Z	0	0	0	%100
59	M61	X	4.388	4.388	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	3.316	3.316	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	1.45	1.45	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	1.45	1.45	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	4.41	4.41	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	4.589	4.589	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	4.023	4.023	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	4.386	4.386	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	4.023	4.023	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	3.767	3.767	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	4.023	4.023	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	4.023	4.023	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	4.386	4.386	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	4.023	4.023	0	%100
92	MP4C	Z	0	0	0	%100
93	M90	X	3.767	3.767	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	4.023	4.023	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	4.023	4.023	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	4.386	4.386	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	4.023	4.023	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	3.226	3.226	0	%100
104	M100	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	3.427	3.427	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	3.427	3.427	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	2.843	2.843	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	2.843	2.843	0	%100
114	M124	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,%]
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	5.712	5.712	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	5.766	5.766	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	5.766	5.766	0	%100
122	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.087	1.087	0	%100
2	M1	Z	.628	.628	0	%100
3	M4	X	3.084	3.084	0	%100
4	M4	Z	1.78	1.78	0	%100
5	M10	X	.844	.844	0	%100
6	M10	Z	.487	.487	0	%100
7	MP1A	X	3.484	3.484	0	%100
8	MP1A	Z	2.012	2.012	0	%100
9	M43	X	.844	.844	0	%100
10	M43	Z	.487	.487	0	%100
11	M46	X	1.267	1.267	0	%100
12	M46	Z	.731	.731	0	%100
13	M51B	X	.957	.957	0	%100
14	M51B	Z	.553	.553	0	%100
15	M52B	X	3.828	3.828	0	%100
16	M52B	Z	2.21	2.21	0	%100
17	M76	X	3.767	3.767	0	%100
18	M76	Z	2.175	2.175	0	%100
19	M77	X	1.273	1.273	0	%100
20	M77	Z	.735	.735	0	%100
21	M80	X	1.325	1.325	0	%100
22	M80	Z	.765	.765	0	%100
23	M84	X	3.767	3.767	0	%100
24	M84	Z	2.175	2.175	0	%100
25	M85	X	5.093	5.093	0	%100
26	M85	Z	2.94	2.94	0	%100
27	M91	X	5.299	5.299	0	%100
28	M91	Z	3.059	3.059	0	%100
29	M34	X	3.084	3.084	0	%100
30	M34	Z	1.78	1.78	0	%100
31	M35	X	.844	.844	0	%100
32	M35	Z	.487	.487	0	%100
33	M36	X	.844	.844	0	%100
34	M36	Z	.487	.487	0	%100
35	M37	X	1.267	1.267	0	%100
36	M37	Z	.731	.731	0	%100
37	M40	X	3.828	3.828	0	%100
38	M40	Z	2.21	2.21	0	%100
39	M41	X	.957	.957	0	%100
40	M41	Z	.553	.553	0	%100
41	M45	X	3.767	3.767	0	%100
42	M45	Z	2.175	2.175	0	%100
43	M46A	X	5.093	5.093	0	%100
44	M46A	Z	2.94	2.94	0	%100
45	M48	X	5.299	5.299	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,%]
46	M48	Z	3.059	3.059	0	%100
47	M50A	X	3.767	3.767	0	%100
48	M50A	Z	2.175	2.175	0	%100
49	M51C	X	1.273	1.273	0	%100
50	M51C	Z	.735	.735	0	%100
51	M53	X	1.325	1.325	0	%100
52	M53	Z	.765	.765	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	3.376	3.376	0	%100
56	M59A	Z	1.949	1.949	0	%100
57	M60	X	3.376	3.376	0	%100
58	M60	Z	1.949	1.949	0	%100
59	M61	X	5.067	5.067	0	%100
60	M61	Z	2.925	2.925	0	%100
61	M64	X	.957	.957	0	%100
62	M64	Z	.553	.553	0	%100
63	M65	X	.957	.957	0	%100
64	M65	Z	.553	.553	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	1.273	1.273	0	%100
68	M70	Z	.735	.735	0	%100
69	M72	X	1.325	1.325	0	%100
70	M72	Z	.765	.765	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	1.273	1.273	0	%100
74	M75	Z	.735	.735	0	%100
75	M77A	X	1.325	1.325	0	%100
76	M77A	Z	.765	.765	0	%100
77	MP2A	X	3.484	3.484	0	%100
78	MP2A	Z	2.012	2.012	0	%100
79	MP3A	X	3.798	3.798	0	%100
80	MP3A	Z	2.193	2.193	0	%100
81	MP4A	X	3.484	3.484	0	%100
82	MP4A	Z	2.012	2.012	0	%100
83	M81A	X	1.087	1.087	0	%100
84	M81A	Z	.628	.628	0	%100
85	MP1C	X	3.484	3.484	0	%100
86	MP1C	Z	2.012	2.012	0	%100
87	MP2C	X	3.484	3.484	0	%100
88	MP2C	Z	2.012	2.012	0	%100
89	MP3C	X	3.798	3.798	0	%100
90	MP3C	Z	2.193	2.193	0	%100
91	MP4C	X	3.484	3.484	0	%100
92	MP4C	Z	2.012	2.012	0	%100
93	M90	X	4.35	4.35	0	%100
94	M90	Z	2.511	2.511	0	%100
95	MP1B	X	3.484	3.484	0	%100
96	MP1B	Z	2.012	2.012	0	%100
97	MP2B	X	3.484	3.484	0	%100
98	MP2B	Z	2.012	2.012	0	%100
99	MP3B	X	3.798	3.798	0	%100
100	MP3B	Z	2.193	2.193	0	%100
101	MP4B	X	3.484	3.484	0	%100
102	MP4B	Z	2.012	2.012	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,%]
103	M100	X	2.794	2.794	0	%100
104	M100	Z	1.613	1.613	0	%100
105	M102	X	.989	.989	0	%100
106	M102	Z	.571	.571	0	%100
107	M107	X	.989	.989	0	%100
108	M107	Z	.571	.571	0	%100
109	M112	X	3.958	3.958	0	%100
110	M112	Z	2.285	2.285	0	%100
111	M123	X	.821	.821	0	%100
112	M123	Z	.474	.474	0	%100
113	M124	X	3.283	3.283	0	%100
114	M124	Z	1.895	1.895	0	%100
115	M125	X	.821	.821	0	%100
116	M125	Z	.474	.474	0	%100
117	M126	X	4.962	4.962	0	%100
118	M126	Z	2.865	2.865	0	%100
119	M127	X	4.962	4.962	0	%100
120	M127	Z	2.865	2.865	0	%100
121	M128	X	5.009	5.009	0	%100
122	M128	Z	2.892	2.892	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	1.884	1.884	0	%100
2	M1	Z	3.262	3.262	0	%100
3	M4	X	.593	.593	0	%100
4	M4	Z	1.028	1.028	0	%100
5	M10	X	1.462	1.462	0	%100
6	M10	Z	2.532	2.532	0	%100
7	MP1A	X	2.012	2.012	0	%100
8	MP1A	Z	3.484	3.484	0	%100
9	M43	X	1.462	1.462	0	%100
10	M43	Z	2.532	2.532	0	%100
11	M46	X	2.194	2.194	0	%100
12	M46	Z	3.8	3.8	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	1.658	1.658	0	%100
16	M52B	Z	2.871	2.871	0	%100
17	M76	X	.725	.725	0	%100
18	M76	Z	1.256	1.256	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.725	.725	0	%100
24	M84	Z	1.256	1.256	0	%100
25	M85	X	2.205	2.205	0	%100
26	M85	Z	3.819	3.819	0	%100
27	M91	X	2.295	2.295	0	%100
28	M91	Z	3.974	3.974	0	%100
29	M34	X	2.374	2.374	0	%100
30	M34	Z	4.112	4.112	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	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,%]
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	1.658	1.658	0	%100
38	M40	Z	2.871	2.871	0	%100
39	M41	X	1.658	1.658	0	%100
40	M41	Z	2.871	2.871	0	%100
41	M45	X	2.9	2.9	0	%100
42	M45	Z	5.023	5.023	0	%100
43	M46A	X	2.205	2.205	0	%100
44	M46A	Z	3.819	3.819	0	%100
45	M48	X	2.295	2.295	0	%100
46	M48	Z	3.974	3.974	0	%100
47	M50A	X	2.9	2.9	0	%100
48	M50A	Z	5.023	5.023	0	%100
49	M51C	X	2.205	2.205	0	%100
50	M51C	Z	3.819	3.819	0	%100
51	M53	X	2.295	2.295	0	%100
52	M53	Z	3.974	3.974	0	%100
53	M58A	X	.593	.593	0	%100
54	M58A	Z	1.028	1.028	0	%100
55	M59A	X	1.462	1.462	0	%100
56	M59A	Z	2.532	2.532	0	%100
57	M60	X	1.462	1.462	0	%100
58	M60	Z	2.532	2.532	0	%100
59	M61	X	2.194	2.194	0	%100
60	M61	Z	3.8	3.8	0	%100
61	M64	X	1.658	1.658	0	%100
62	M64	Z	2.871	2.871	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	.725	.725	0	%100
66	M69	Z	1.256	1.256	0	%100
67	M70	X	2.205	2.205	0	%100
68	M70	Z	3.819	3.819	0	%100
69	M72	X	2.295	2.295	0	%100
70	M72	Z	3.974	3.974	0	%100
71	M74	X	.725	.725	0	%100
72	M74	Z	1.256	1.256	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	2.012	2.012	0	%100
78	MP2A	Z	3.484	3.484	0	%100
79	MP3A	X	2.193	2.193	0	%100
80	MP3A	Z	3.798	3.798	0	%100
81	MP4A	X	2.012	2.012	0	%100
82	MP4A	Z	3.484	3.484	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	2.012	2.012	0	%100
86	MP1C	Z	3.484	3.484	0	%100
87	MP2C	X	2.012	2.012	0	%100
88	MP2C	Z	3.484	3.484	0	%100
89	MP3C	X	2.193	2.193	0	%100
90	MP3C	Z	3.798	3.798	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,%]
91	MP4C	X	2.012	2.012	0	%100
92	MP4C	Z	3.484	3.484	0	%100
93	M90	X	1.884	1.884	0	%100
94	M90	Z	3.262	3.262	0	%100
95	MP1B	X	2.012	2.012	0	%100
96	MP1B	Z	3.484	3.484	0	%100
97	MP2B	X	2.012	2.012	0	%100
98	MP2B	Z	3.484	3.484	0	%100
99	MP3B	X	2.193	2.193	0	%100
100	MP3B	Z	3.798	3.798	0	%100
101	MP4B	X	2.012	2.012	0	%100
102	MP4B	Z	3.484	3.484	0	%100
103	M100	X	1.613	1.613	0	%100
104	M100	Z	2.794	2.794	0	%100
105	M102	X	1.714	1.714	0	%100
106	M102	Z	2.968	2.968	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	1.714	1.714	0	%100
110	M112	Z	2.968	2.968	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	1.421	1.421	0	%100
114	M124	Z	2.462	2.462	0	%100
115	M125	X	1.422	1.422	0	%100
116	M125	Z	2.462	2.462	0	%100
117	M126	X	2.883	2.883	0	%100
118	M126	Z	4.994	4.994	0	%100
119	M127	X	2.856	2.856	0	%100
120	M127	Z	4.947	4.947	0	%100
121	M128	X	2.883	2.883	0	%100
122	M128	Z	4.994	4.994	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	5.023	5.023	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	3.898	3.898	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	4.023	4.023	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	3.898	3.898	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	5.851	5.851	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	1.105	1.105	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	1.105	1.105	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	1.47	1.47	0	%100
21	M80	X	0	0	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,%]
22	M80	Z	1.53	1.53	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	1.47	1.47	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	1.53	1.53	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	3.561	3.561	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	.975	.975	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	.975	.975	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	1.463	1.463	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	1.105	1.105	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	4.421	4.421	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	4.35	4.35	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	1.47	1.47	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	1.53	1.53	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	4.35	4.35	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	5.88	5.88	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	6.119	6.119	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	3.561	3.561	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	.975	.975	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	.975	.975	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	1.463	1.463	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	4.421	4.421	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	1.105	1.105	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	4.35	4.35	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	5.88	5.88	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	6.119	6.119	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	4.35	4.35	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	1.47	1.47	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	1.53	1.53	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	4.023	4.023	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,%]
79	MP3A	X	0	0	0	%100
80	MP3A	Z	4.386	4.386	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	4.023	4.023	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	1.256	1.256	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	4.023	4.023	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	4.023	4.023	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	4.386	4.386	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	4.023	4.023	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	1.256	1.256	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	4.023	4.023	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	4.023	4.023	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	4.386	4.386	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	4.023	4.023	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	3.226	3.226	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	4.57	4.57	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	1.142	1.142	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	1.142	1.142	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.948	.948	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.948	.948	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	3.791	3.791	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	5.784	5.784	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	5.73	5.73	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	5.73	5.73	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	-1.884	-1.884	0	%100
2	M1	Z	3.262	3.262	0	%100
3	M4	X	-.593	-.593	0	%100
4	M4	Z	1.028	1.028	0	%100
5	M10	X	-1.462	-1.462	0	%100
6	M10	Z	2.532	2.532	0	%100
7	MP1A	X	-2.012	-2.012	0	%100
8	MP1A	Z	3.484	3.484	0	%100
9	M43	X	-1.462	-1.462	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,%]
10	M43	Z	2.532	2.532	0	%100
11	M46	X	-2.194	-2.194	0	%100
12	M46	Z	3.8	3.8	0	%100
13	M51B	X	-1.658	-1.658	0	%100
14	M51B	Z	2.871	2.871	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-.725	-.725	0	%100
18	M76	Z	1.256	1.256	0	%100
19	M77	X	-2.205	-2.205	0	%100
20	M77	Z	3.819	3.819	0	%100
21	M80	X	-2.295	-2.295	0	%100
22	M80	Z	3.974	3.974	0	%100
23	M84	X	-.725	-.725	0	%100
24	M84	Z	1.256	1.256	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-.593	-.593	0	%100
30	M34	Z	1.028	1.028	0	%100
31	M35	X	-1.462	-1.462	0	%100
32	M35	Z	2.532	2.532	0	%100
33	M36	X	-1.462	-1.462	0	%100
34	M36	Z	2.532	2.532	0	%100
35	M37	X	-2.194	-2.194	0	%100
36	M37	Z	3.8	3.8	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	-1.658	-1.658	0	%100
40	M41	Z	2.871	2.871	0	%100
41	M45	X	-.725	-.725	0	%100
42	M45	Z	1.256	1.256	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-.725	-.725	0	%100
48	M50A	Z	1.256	1.256	0	%100
49	M51C	X	-2.205	-2.205	0	%100
50	M51C	Z	3.819	3.819	0	%100
51	M53	X	-2.295	-2.295	0	%100
52	M53	Z	3.974	3.974	0	%100
53	M58A	X	-2.374	-2.374	0	%100
54	M58A	Z	4.112	4.112	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	-1.658	-1.658	0	%100
62	M64	Z	2.871	2.871	0	%100
63	M65	X	-1.658	-1.658	0	%100
64	M65	Z	2.871	2.871	0	%100
65	M69	X	-2.9	-2.9	0	%100
66	M69	Z	5.023	5.023	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,%]
67	M70	X	-2.205	-2.205	0	%100
68	M70	Z	3.819	3.819	0	%100
69	M72	X	-2.295	-2.295	0	%100
70	M72	Z	3.974	3.974	0	%100
71	M74	X	-2.9	-2.9	0	%100
72	M74	Z	5.023	5.023	0	%100
73	M75	X	-2.205	-2.205	0	%100
74	M75	Z	3.819	3.819	0	%100
75	M77A	X	-2.295	-2.295	0	%100
76	M77A	Z	3.974	3.974	0	%100
77	MP2A	X	-2.012	-2.012	0	%100
78	MP2A	Z	3.484	3.484	0	%100
79	MP3A	X	-2.193	-2.193	0	%100
80	MP3A	Z	3.798	3.798	0	%100
81	MP4A	X	-2.012	-2.012	0	%100
82	MP4A	Z	3.484	3.484	0	%100
83	M81A	X	-1.884	-1.884	0	%100
84	M81A	Z	3.262	3.262	0	%100
85	MP1C	X	-2.012	-2.012	0	%100
86	MP1C	Z	3.484	3.484	0	%100
87	MP2C	X	-2.012	-2.012	0	%100
88	MP2C	Z	3.484	3.484	0	%100
89	MP3C	X	-2.193	-2.193	0	%100
90	MP3C	Z	3.798	3.798	0	%100
91	MP4C	X	-2.012	-2.012	0	%100
92	MP4C	Z	3.484	3.484	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	-2.012	-2.012	0	%100
96	MP1B	Z	3.484	3.484	0	%100
97	MP2B	X	-2.012	-2.012	0	%100
98	MP2B	Z	3.484	3.484	0	%100
99	MP3B	X	-2.193	-2.193	0	%100
100	MP3B	Z	3.798	3.798	0	%100
101	MP4B	X	-2.012	-2.012	0	%100
102	MP4B	Z	3.484	3.484	0	%100
103	M100	X	-1.613	-1.613	0	%100
104	M100	Z	2.794	2.794	0	%100
105	M102	X	-1.714	-1.714	0	%100
106	M102	Z	2.968	2.968	0	%100
107	M107	X	-1.714	-1.714	0	%100
108	M107	Z	2.968	2.968	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-1.422	-1.422	0	%100
112	M123	Z	2.462	2.462	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-1.421	-1.421	0	%100
116	M125	Z	2.462	2.462	0	%100
117	M126	X	-2.883	-2.883	0	%100
118	M126	Z	4.994	4.994	0	%100
119	M127	X	-2.883	-2.883	0	%100
120	M127	Z	4.994	4.994	0	%100
121	M128	X	-2.856	-2.856	0	%100
122	M128	Z	4.947	4.947	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.087	-1.087	0	%100
2	M1	Z	.628	.628	0	%100
3	M4	X	-3.084	-3.084	0	%100
4	M4	Z	1.78	1.78	0	%100
5	M10	X	-.844	-.844	0	%100
6	M10	Z	.487	.487	0	%100
7	MP1A	X	-3.484	-3.484	0	%100
8	MP1A	Z	2.012	2.012	0	%100
9	M43	X	-.844	-.844	0	%100
10	M43	Z	.487	.487	0	%100
11	M46	X	-1.267	-1.267	0	%100
12	M46	Z	.731	.731	0	%100
13	M51B	X	-3.828	-3.828	0	%100
14	M51B	Z	2.21	2.21	0	%100
15	M52B	X	-.957	-.957	0	%100
16	M52B	Z	.553	.553	0	%100
17	M76	X	-3.767	-3.767	0	%100
18	M76	Z	2.175	2.175	0	%100
19	M77	X	-5.093	-5.093	0	%100
20	M77	Z	2.94	2.94	0	%100
21	M80	X	-5.299	-5.299	0	%100
22	M80	Z	3.059	3.059	0	%100
23	M84	X	-3.767	-3.767	0	%100
24	M84	Z	2.175	2.175	0	%100
25	M85	X	-1.273	-1.273	0	%100
26	M85	Z	.735	.735	0	%100
27	M91	X	-1.325	-1.325	0	%100
28	M91	Z	.765	.765	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-3.376	-3.376	0	%100
32	M35	Z	1.949	1.949	0	%100
33	M36	X	-3.376	-3.376	0	%100
34	M36	Z	1.949	1.949	0	%100
35	M37	X	-5.067	-5.067	0	%100
36	M37	Z	2.925	2.925	0	%100
37	M40	X	-.957	-.957	0	%100
38	M40	Z	.553	.553	0	%100
39	M41	X	-.957	-.957	0	%100
40	M41	Z	.553	.553	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-1.273	-1.273	0	%100
44	M46A	Z	.735	.735	0	%100
45	M48	X	-1.325	-1.325	0	%100
46	M48	Z	.765	.765	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	-1.273	-1.273	0	%100
50	M51C	Z	.735	.735	0	%100
51	M53	X	-1.325	-1.325	0	%100
52	M53	Z	.765	.765	0	%100
53	M58A	X	-3.084	-3.084	0	%100
54	M58A	Z	1.78	1.78	0	%100
55	M59A	X	-.844	-.844	0	%100
56	M59A	Z	.487	.487	0	%100
57	M60	X	-.844	-.844	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,%]
58	M60	Z	.487	.487	0	%100
59	M61	X	-1.267	-1.267	0	%100
60	M61	Z	.731	.731	0	%100
61	M64	X	-.957	-.957	0	%100
62	M64	Z	.553	.553	0	%100
63	M65	X	-3.828	-3.828	0	%100
64	M65	Z	2.21	2.21	0	%100
65	M69	X	-3.767	-3.767	0	%100
66	M69	Z	2.175	2.175	0	%100
67	M70	X	-1.273	-1.273	0	%100
68	M70	Z	.735	.735	0	%100
69	M72	X	-1.325	-1.325	0	%100
70	M72	Z	.765	.765	0	%100
71	M74	X	-3.767	-3.767	0	%100
72	M74	Z	2.175	2.175	0	%100
73	M75	X	-5.093	-5.093	0	%100
74	M75	Z	2.94	2.94	0	%100
75	M77A	X	-5.299	-5.299	0	%100
76	M77A	Z	3.059	3.059	0	%100
77	MP2A	X	-3.484	-3.484	0	%100
78	MP2A	Z	2.012	2.012	0	%100
79	MP3A	X	-3.798	-3.798	0	%100
80	MP3A	Z	2.193	2.193	0	%100
81	MP4A	X	-3.484	-3.484	0	%100
82	MP4A	Z	2.012	2.012	0	%100
83	M81A	X	-4.35	-4.35	0	%100
84	M81A	Z	2.511	2.511	0	%100
85	MP1C	X	-3.484	-3.484	0	%100
86	MP1C	Z	2.012	2.012	0	%100
87	MP2C	X	-3.484	-3.484	0	%100
88	MP2C	Z	2.012	2.012	0	%100
89	MP3C	X	-3.798	-3.798	0	%100
90	MP3C	Z	2.193	2.193	0	%100
91	MP4C	X	-3.484	-3.484	0	%100
92	MP4C	Z	2.012	2.012	0	%100
93	M90	X	-1.087	-1.087	0	%100
94	M90	Z	.628	.628	0	%100
95	MP1B	X	-3.484	-3.484	0	%100
96	MP1B	Z	2.012	2.012	0	%100
97	MP2B	X	-3.484	-3.484	0	%100
98	MP2B	Z	2.012	2.012	0	%100
99	MP3B	X	-3.798	-3.798	0	%100
100	MP3B	Z	2.193	2.193	0	%100
101	MP4B	X	-3.484	-3.484	0	%100
102	MP4B	Z	2.012	2.012	0	%100
103	M100	X	-2.794	-2.794	0	%100
104	M100	Z	1.613	1.613	0	%100
105	M102	X	-.989	-.989	0	%100
106	M102	Z	.571	.571	0	%100
107	M107	X	-3.958	-3.958	0	%100
108	M107	Z	2.285	2.285	0	%100
109	M112	X	-.989	-.989	0	%100
110	M112	Z	.571	.571	0	%100
111	M123	X	-3.283	-3.283	0	%100
112	M123	Z	1.895	1.895	0	%100
113	M124	X	-.821	-.821	0	%100
114	M124	Z	.474	.474	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,%]
115	M125	X	-.821	-.821	0	%100
116	M125	Z	.474	.474	0	%100
117	M126	X	-4.962	-4.962	0	%100
118	M126	Z	2.865	2.865	0	%100
119	M127	X	-5.009	-5.009	0	%100
120	M127	Z	2.892	2.892	0	%100
121	M128	X	-4.962	-4.962	0	%100
122	M128	Z	2.865	2.865	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	-4.748	-4.748	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-4.023	-4.023	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-3.316	-3.316	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-3.316	-3.316	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-5.8	-5.8	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-4.41	-4.41	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-4.589	-4.589	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-5.8	-5.8	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-4.41	-4.41	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-4.589	-4.589	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-1.187	-1.187	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-2.924	-2.924	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	-2.924	-2.924	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	-4.388	-4.388	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-3.316	-3.316	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	-1.45	-1.45	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-4.41	-4.41	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	-4.589	-4.589	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,%]
46	M48	Z	0	0	0	%100
47	M50A	X	-1.45	-1.45	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	-1.187	-1.187	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-2.924	-2.924	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	-2.924	-2.924	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-4.388	-4.388	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-3.316	-3.316	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-1.45	-1.45	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	-1.45	-1.45	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-4.41	-4.41	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	-4.589	-4.589	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-4.023	-4.023	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	-4.386	-4.386	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-4.023	-4.023	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	-3.767	-3.767	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-4.023	-4.023	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-4.023	-4.023	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-4.386	-4.386	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-4.023	-4.023	0	%100
92	MP4C	Z	0	0	0	%100
93	M90	X	-3.767	-3.767	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	-4.023	-4.023	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-4.023	-4.023	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-4.386	-4.386	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-4.023	-4.023	0	%100
102	MP4B	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,%]
103	M100	X	-3.226	-3.226	0	%100
104	M100	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-3.427	-3.427	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-3.427	-3.427	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-2.843	-2.843	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-2.843	-2.843	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	-5.712	-5.712	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-5.766	-5.766	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-5.766	-5.766	0	%100
122	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.087	-1.087	0	%100
2	M1	Z	-.628	-.628	0	%100
3	M4	X	-3.084	-3.084	0	%100
4	M4	Z	-1.78	-1.78	0	%100
5	M10	X	-.844	-.844	0	%100
6	M10	Z	-.487	-.487	0	%100
7	MP1A	X	-3.484	-3.484	0	%100
8	MP1A	Z	-2.012	-2.012	0	%100
9	M43	X	-.844	-.844	0	%100
10	M43	Z	-.487	-.487	0	%100
11	M46	X	-1.267	-1.267	0	%100
12	M46	Z	-.731	-.731	0	%100
13	M51B	X	-.957	-.957	0	%100
14	M51B	Z	-.553	-.553	0	%100
15	M52B	X	-3.828	-3.828	0	%100
16	M52B	Z	-2.21	-2.21	0	%100
17	M76	X	-3.767	-3.767	0	%100
18	M76	Z	-2.175	-2.175	0	%100
19	M77	X	-1.273	-1.273	0	%100
20	M77	Z	-.735	-.735	0	%100
21	M80	X	-1.325	-1.325	0	%100
22	M80	Z	-.765	-.765	0	%100
23	M84	X	-3.767	-3.767	0	%100
24	M84	Z	-2.175	-2.175	0	%100
25	M85	X	-5.093	-5.093	0	%100
26	M85	Z	-2.94	-2.94	0	%100
27	M91	X	-5.299	-5.299	0	%100
28	M91	Z	-3.059	-3.059	0	%100
29	M34	X	-3.084	-3.084	0	%100
30	M34	Z	-1.78	-1.78	0	%100
31	M35	X	-.844	-.844	0	%100
32	M35	Z	-.487	-.487	0	%100
33	M36	X	-.844	-.844	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,%]
34	M36	Z	-.487	-.487	0	%100
35	M37	X	-1.267	-1.267	0	%100
36	M37	Z	-.731	-.731	0	%100
37	M40	X	-3.828	-3.828	0	%100
38	M40	Z	-2.21	-2.21	0	%100
39	M41	X	-.957	-.957	0	%100
40	M41	Z	-.553	-.553	0	%100
41	M45	X	-3.767	-3.767	0	%100
42	M45	Z	-2.175	-2.175	0	%100
43	M46A	X	-5.093	-5.093	0	%100
44	M46A	Z	-2.94	-2.94	0	%100
45	M48	X	-5.299	-5.299	0	%100
46	M48	Z	-3.059	-3.059	0	%100
47	M50A	X	-3.767	-3.767	0	%100
48	M50A	Z	-2.175	-2.175	0	%100
49	M51C	X	-1.273	-1.273	0	%100
50	M51C	Z	-.735	-.735	0	%100
51	M53	X	-1.325	-1.325	0	%100
52	M53	Z	-.765	-.765	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-3.376	-3.376	0	%100
56	M59A	Z	-1.949	-1.949	0	%100
57	M60	X	-3.376	-3.376	0	%100
58	M60	Z	-1.949	-1.949	0	%100
59	M61	X	-5.067	-5.067	0	%100
60	M61	Z	-2.925	-2.925	0	%100
61	M64	X	-.957	-.957	0	%100
62	M64	Z	-.553	-.553	0	%100
63	M65	X	-.957	-.957	0	%100
64	M65	Z	-.553	-.553	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	-1.273	-1.273	0	%100
68	M70	Z	-.735	-.735	0	%100
69	M72	X	-1.325	-1.325	0	%100
70	M72	Z	-.765	-.765	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-1.273	-1.273	0	%100
74	M75	Z	-.735	-.735	0	%100
75	M77A	X	-1.325	-1.325	0	%100
76	M77A	Z	-.765	-.765	0	%100
77	MP2A	X	-3.484	-3.484	0	%100
78	MP2A	Z	-2.012	-2.012	0	%100
79	MP3A	X	-3.798	-3.798	0	%100
80	MP3A	Z	-2.193	-2.193	0	%100
81	MP4A	X	-3.484	-3.484	0	%100
82	MP4A	Z	-2.012	-2.012	0	%100
83	M81A	X	-1.087	-1.087	0	%100
84	M81A	Z	-.628	-.628	0	%100
85	MP1C	X	-3.484	-3.484	0	%100
86	MP1C	Z	-2.012	-2.012	0	%100
87	MP2C	X	-3.484	-3.484	0	%100
88	MP2C	Z	-2.012	-2.012	0	%100
89	MP3C	X	-3.798	-3.798	0	%100
90	MP3C	Z	-2.193	-2.193	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,%]
91	MP4C	X	-3.484	-3.484	0	%100
92	MP4C	Z	-2.012	-2.012	0	%100
93	M90	X	-4.35	-4.35	0	%100
94	M90	Z	-2.511	-2.511	0	%100
95	MP1B	X	-3.484	-3.484	0	%100
96	MP1B	Z	-2.012	-2.012	0	%100
97	MP2B	X	-3.484	-3.484	0	%100
98	MP2B	Z	-2.012	-2.012	0	%100
99	MP3B	X	-3.798	-3.798	0	%100
100	MP3B	Z	-2.193	-2.193	0	%100
101	MP4B	X	-3.484	-3.484	0	%100
102	MP4B	Z	-2.012	-2.012	0	%100
103	M100	X	-2.794	-2.794	0	%100
104	M100	Z	-1.613	-1.613	0	%100
105	M102	X	-.989	-.989	0	%100
106	M102	Z	-.571	-.571	0	%100
107	M107	X	-.989	-.989	0	%100
108	M107	Z	-.571	-.571	0	%100
109	M112	X	-3.958	-3.958	0	%100
110	M112	Z	-2.285	-2.285	0	%100
111	M123	X	-.821	-.821	0	%100
112	M123	Z	-.474	-.474	0	%100
113	M124	X	-3.283	-3.283	0	%100
114	M124	Z	-1.895	-1.895	0	%100
115	M125	X	-.821	-.821	0	%100
116	M125	Z	-.474	-.474	0	%100
117	M126	X	-4.962	-4.962	0	%100
118	M126	Z	-2.865	-2.865	0	%100
119	M127	X	-4.962	-4.962	0	%100
120	M127	Z	-2.865	-2.865	0	%100
121	M128	X	-5.009	-5.009	0	%100
122	M128	Z	-2.892	-2.892	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	-1.884	-1.884	0	%100
2	M1	Z	-3.262	-3.262	0	%100
3	M4	X	-.593	-.593	0	%100
4	M4	Z	-1.028	-1.028	0	%100
5	M10	X	-1.462	-1.462	0	%100
6	M10	Z	-2.532	-2.532	0	%100
7	MP1A	X	-2.012	-2.012	0	%100
8	MP1A	Z	-3.484	-3.484	0	%100
9	M43	X	-1.462	-1.462	0	%100
10	M43	Z	-2.532	-2.532	0	%100
11	M46	X	-2.194	-2.194	0	%100
12	M46	Z	-3.8	-3.8	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-1.658	-1.658	0	%100
16	M52B	Z	-2.871	-2.871	0	%100
17	M76	X	-.725	-.725	0	%100
18	M76	Z	-1.256	-1.256	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	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,%]
22	M80	Z	0	0	0	%100
23	M84	X	-.725	-.725	0	%100
24	M84	Z	-1.256	-1.256	0	%100
25	M85	X	-2.205	-2.205	0	%100
26	M85	Z	-3.819	-3.819	0	%100
27	M91	X	-2.295	-2.295	0	%100
28	M91	Z	-3.974	-3.974	0	%100
29	M34	X	-2.374	-2.374	0	%100
30	M34	Z	-4.112	-4.112	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-1.658	-1.658	0	%100
38	M40	Z	-2.871	-2.871	0	%100
39	M41	X	-1.658	-1.658	0	%100
40	M41	Z	-2.871	-2.871	0	%100
41	M45	X	-2.9	-2.9	0	%100
42	M45	Z	-5.023	-5.023	0	%100
43	M46A	X	-2.205	-2.205	0	%100
44	M46A	Z	-3.819	-3.819	0	%100
45	M48	X	-2.295	-2.295	0	%100
46	M48	Z	-3.974	-3.974	0	%100
47	M50A	X	-2.9	-2.9	0	%100
48	M50A	Z	-5.023	-5.023	0	%100
49	M51C	X	-2.205	-2.205	0	%100
50	M51C	Z	-3.819	-3.819	0	%100
51	M53	X	-2.295	-2.295	0	%100
52	M53	Z	-3.974	-3.974	0	%100
53	M58A	X	-.593	-.593	0	%100
54	M58A	Z	-1.028	-1.028	0	%100
55	M59A	X	-1.462	-1.462	0	%100
56	M59A	Z	-2.532	-2.532	0	%100
57	M60	X	-1.462	-1.462	0	%100
58	M60	Z	-2.532	-2.532	0	%100
59	M61	X	-2.194	-2.194	0	%100
60	M61	Z	-3.8	-3.8	0	%100
61	M64	X	-1.658	-1.658	0	%100
62	M64	Z	-2.871	-2.871	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-.725	-.725	0	%100
66	M69	Z	-1.256	-1.256	0	%100
67	M70	X	-2.205	-2.205	0	%100
68	M70	Z	-3.819	-3.819	0	%100
69	M72	X	-2.295	-2.295	0	%100
70	M72	Z	-3.974	-3.974	0	%100
71	M74	X	-.725	-.725	0	%100
72	M74	Z	-1.256	-1.256	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-2.012	-2.012	0	%100
78	MP2A	Z	-3.484	-3.484	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,%]
79	MP3A	X	-2.193	-2.193	0	%100
80	MP3A	Z	-3.798	-3.798	0	%100
81	MP4A	X	-2.012	-2.012	0	%100
82	MP4A	Z	-3.484	-3.484	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-2.012	-2.012	0	%100
86	MP1C	Z	-3.484	-3.484	0	%100
87	MP2C	X	-2.012	-2.012	0	%100
88	MP2C	Z	-3.484	-3.484	0	%100
89	MP3C	X	-2.193	-2.193	0	%100
90	MP3C	Z	-3.798	-3.798	0	%100
91	MP4C	X	-2.012	-2.012	0	%100
92	MP4C	Z	-3.484	-3.484	0	%100
93	M90	X	-1.884	-1.884	0	%100
94	M90	Z	-3.262	-3.262	0	%100
95	MP1B	X	-2.012	-2.012	0	%100
96	MP1B	Z	-3.484	-3.484	0	%100
97	MP2B	X	-2.012	-2.012	0	%100
98	MP2B	Z	-3.484	-3.484	0	%100
99	MP3B	X	-2.193	-2.193	0	%100
100	MP3B	Z	-3.798	-3.798	0	%100
101	MP4B	X	-2.012	-2.012	0	%100
102	MP4B	Z	-3.484	-3.484	0	%100
103	M100	X	-1.613	-1.613	0	%100
104	M100	Z	-2.794	-2.794	0	%100
105	M102	X	-1.714	-1.714	0	%100
106	M102	Z	-2.968	-2.968	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-1.714	-1.714	0	%100
110	M112	Z	-2.968	-2.968	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-1.421	-1.421	0	%100
114	M124	Z	-2.462	-2.462	0	%100
115	M125	X	-1.422	-1.422	0	%100
116	M125	Z	-2.462	-2.462	0	%100
117	M126	X	-2.883	-2.883	0	%100
118	M126	Z	-4.994	-4.994	0	%100
119	M127	X	-2.856	-2.856	0	%100
120	M127	Z	-4.947	-4.947	0	%100
121	M128	X	-2.883	-2.883	0	%100
122	M128	Z	-4.994	-4.994	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	-.892	-.892	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	-.785	-.785	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-.62	-.62	0	%100
9	M43	X	0	0	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,%]
10	M43	Z	-.785	-.785	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	-1.566	-1.566	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	-.217	-.217	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	-.217	-.217	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	-.399	-.399	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	-.42	-.42	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	-.399	-.399	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	-.42	-.42	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	-.696	-.696	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	-.196	-.196	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	-.196	-.196	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	-.392	-.392	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	-.217	-.217	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	-.87	-.87	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	-1.175	-1.175	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	-.399	-.399	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	-.42	-.42	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	-1.175	-1.175	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	-1.595	-1.595	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	-1.68	-1.68	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	-.696	-.696	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	-.196	-.196	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	-.196	-.196	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	-.392	-.392	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	-.87	-.87	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	-.217	-.217	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	-1.175	-1.175	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,%]
67	M70	X	0	0	0	%100
68	M70	Z	-1.595	-1.595	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	-1.68	-1.68	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	-1.175	-1.175	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	-.399	-.399	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	-.42	-.42	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	-.62	-.62	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	-.75	-.75	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	-.62	-.62	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	-.223	-.223	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	-.62	-.62	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	-.62	-.62	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	-.75	-.75	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	-.62	-.62	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	-.223	-.223	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	-.62	-.62	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.62	-.62	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.75	-.75	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	-.62	-.62	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	-.507	-.507	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-.75	-.75	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-.188	-.188	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-.188	-.188	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.207	-.207	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	-.207	-.207	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.826	-.826	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-1.506	-1.506	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-1.314	-1.314	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-1.314	-1.314	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	.334	.334	0	%100
2	M1	Z	-.579	-.579	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	-.201	-.201	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	-.51	-.51	0	%100
7	MP1A	X	.31	.31	0	%100
8	MP1A	Z	-.537	-.537	0	%100
9	M43	X	.294	.294	0	%100
10	M43	Z	-.51	-.51	0	%100
11	M46	X	.587	.587	0	%100
12	M46	Z	-1.017	-1.017	0	%100
13	M51B	X	.326	.326	0	%100
14	M51B	Z	-.565	-.565	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	.196	.196	0	%100
18	M76	Z	-.339	-.339	0	%100
19	M77	X	.598	.598	0	%100
20	M77	Z	-1.036	-1.036	0	%100
21	M80	X	.63	.63	0	%100
22	M80	Z	-1.091	-1.091	0	%100
23	M84	X	.196	.196	0	%100
24	M84	Z	-.339	-.339	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	.116	.116	0	%100
30	M34	Z	-.201	-.201	0	%100
31	M35	X	.294	.294	0	%100
32	M35	Z	-.51	-.51	0	%100
33	M36	X	.294	.294	0	%100
34	M36	Z	-.51	-.51	0	%100
35	M37	X	.587	.587	0	%100
36	M37	Z	-1.017	-1.017	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	.326	.326	0	%100
40	M41	Z	-.565	-.565	0	%100
41	M45	X	.196	.196	0	%100
42	M45	Z	-.339	-.339	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	.196	.196	0	%100
48	M50A	Z	-.339	-.339	0	%100
49	M51C	X	.598	.598	0	%100
50	M51C	Z	-1.036	-1.036	0	%100
51	M53	X	.63	.63	0	%100
52	M53	Z	-1.091	-1.091	0	%100
53	M58A	X	.464	.464	0	%100
54	M58A	Z	-.804	-.804	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	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,%]
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	.326	.326	0	%100
62	M64	Z	-.565	-.565	0	%100
63	M65	X	.326	.326	0	%100
64	M65	Z	-.565	-.565	0	%100
65	M69	X	.783	.783	0	%100
66	M69	Z	-1.356	-1.356	0	%100
67	M70	X	.598	.598	0	%100
68	M70	Z	-1.036	-1.036	0	%100
69	M72	X	.63	.63	0	%100
70	M72	Z	-1.091	-1.091	0	%100
71	M74	X	.783	.783	0	%100
72	M74	Z	-1.356	-1.356	0	%100
73	M75	X	.598	.598	0	%100
74	M75	Z	-1.036	-1.036	0	%100
75	M77A	X	.63	.63	0	%100
76	M77A	Z	-1.091	-1.091	0	%100
77	MP2A	X	.31	.31	0	%100
78	MP2A	Z	-.537	-.537	0	%100
79	MP3A	X	.375	.375	0	%100
80	MP3A	Z	-.65	-.65	0	%100
81	MP4A	X	.31	.31	0	%100
82	MP4A	Z	-.537	-.537	0	%100
83	M81A	X	.334	.334	0	%100
84	M81A	Z	-.579	-.579	0	%100
85	MP1C	X	.31	.31	0	%100
86	MP1C	Z	-.537	-.537	0	%100
87	MP2C	X	.31	.31	0	%100
88	MP2C	Z	-.537	-.537	0	%100
89	MP3C	X	.375	.375	0	%100
90	MP3C	Z	-.65	-.65	0	%100
91	MP4C	X	.31	.31	0	%100
92	MP4C	Z	-.537	-.537	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	.31	.31	0	%100
96	MP1B	Z	-.537	-.537	0	%100
97	MP2B	X	.31	.31	0	%100
98	MP2B	Z	-.537	-.537	0	%100
99	MP3B	X	.375	.375	0	%100
100	MP3B	Z	-.65	-.65	0	%100
101	MP4B	X	.31	.31	0	%100
102	MP4B	Z	-.537	-.537	0	%100
103	M100	X	.253	.253	0	%100
104	M100	Z	-.439	-.439	0	%100
105	M102	X	.281	.281	0	%100
106	M102	Z	-.487	-.487	0	%100
107	M107	X	.281	.281	0	%100
108	M107	Z	-.487	-.487	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	.31	.31	0	%100
112	M123	Z	-.537	-.537	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	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,%]
115	M125	X	.31	.31	0	%100
116	M125	Z	-.537	-.537	0	%100
117	M126	X	.721	.721	0	%100
118	M126	Z	-1.249	-1.249	0	%100
119	M127	X	.721	.721	0	%100
120	M127	Z	-1.249	-1.249	0	%100
121	M128	X	.625	.625	0	%100
122	M128	Z	-1.083	-1.083	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	.193	.193	0	%100
2	M1	Z	-.111	-.111	0	%100
3	M4	X	.603	.603	0	%100
4	M4	Z	-.348	-.348	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	-.098	-.098	0	%100
7	MP1A	X	.537	.537	0	%100
8	MP1A	Z	-.31	-.31	0	%100
9	M43	X	.17	.17	0	%100
10	M43	Z	-.098	-.098	0	%100
11	M46	X	.339	.339	0	%100
12	M46	Z	-.196	-.196	0	%100
13	M51B	X	.753	.753	0	%100
14	M51B	Z	-.435	-.435	0	%100
15	M52B	X	.188	.188	0	%100
16	M52B	Z	-.109	-.109	0	%100
17	M76	X	1.017	1.017	0	%100
18	M76	Z	-.587	-.587	0	%100
19	M77	X	1.381	1.381	0	%100
20	M77	Z	-.798	-.798	0	%100
21	M80	X	1.455	1.455	0	%100
22	M80	Z	-.84	-.84	0	%100
23	M84	X	1.017	1.017	0	%100
24	M84	Z	-.587	-.587	0	%100
25	M85	X	.345	.345	0	%100
26	M85	Z	-.199	-.199	0	%100
27	M91	X	.364	.364	0	%100
28	M91	Z	-.21	-.21	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	.68	.68	0	%100
32	M35	Z	-.393	-.393	0	%100
33	M36	X	.68	.68	0	%100
34	M36	Z	-.393	-.393	0	%100
35	M37	X	1.356	1.356	0	%100
36	M37	Z	-.783	-.783	0	%100
37	M40	X	.188	.188	0	%100
38	M40	Z	-.109	-.109	0	%100
39	M41	X	.188	.188	0	%100
40	M41	Z	-.109	-.109	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	.345	.345	0	%100
44	M46A	Z	-.199	-.199	0	%100
45	M48	X	.364	.364	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,%]
46	M48	Z	-.21	-.21	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	.345	.345	0	%100
50	M51C	Z	-.199	-.199	0	%100
51	M53	X	.364	.364	0	%100
52	M53	Z	-.21	-.21	0	%100
53	M58A	X	.603	.603	0	%100
54	M58A	Z	-.348	-.348	0	%100
55	M59A	X	.17	.17	0	%100
56	M59A	Z	-.098	-.098	0	%100
57	M60	X	.17	.17	0	%100
58	M60	Z	-.098	-.098	0	%100
59	M61	X	.339	.339	0	%100
60	M61	Z	-.196	-.196	0	%100
61	M64	X	.188	.188	0	%100
62	M64	Z	-.109	-.109	0	%100
63	M65	X	.753	.753	0	%100
64	M65	Z	-.435	-.435	0	%100
65	M69	X	1.017	1.017	0	%100
66	M69	Z	-.587	-.587	0	%100
67	M70	X	.345	.345	0	%100
68	M70	Z	-.199	-.199	0	%100
69	M72	X	.364	.364	0	%100
70	M72	Z	-.21	-.21	0	%100
71	M74	X	1.017	1.017	0	%100
72	M74	Z	-.587	-.587	0	%100
73	M75	X	1.381	1.381	0	%100
74	M75	Z	-.798	-.798	0	%100
75	M77A	X	1.455	1.455	0	%100
76	M77A	Z	-.84	-.84	0	%100
77	MP2A	X	.537	.537	0	%100
78	MP2A	Z	-.31	-.31	0	%100
79	MP3A	X	.65	.65	0	%100
80	MP3A	Z	-.375	-.375	0	%100
81	MP4A	X	.537	.537	0	%100
82	MP4A	Z	-.31	-.31	0	%100
83	M81A	X	.772	.772	0	%100
84	M81A	Z	-.446	-.446	0	%100
85	MP1C	X	.537	.537	0	%100
86	MP1C	Z	-.31	-.31	0	%100
87	MP2C	X	.537	.537	0	%100
88	MP2C	Z	-.31	-.31	0	%100
89	MP3C	X	.65	.65	0	%100
90	MP3C	Z	-.375	-.375	0	%100
91	MP4C	X	.537	.537	0	%100
92	MP4C	Z	-.31	-.31	0	%100
93	M90	X	.193	.193	0	%100
94	M90	Z	-.111	-.111	0	%100
95	MP1B	X	.537	.537	0	%100
96	MP1B	Z	-.31	-.31	0	%100
97	MP2B	X	.537	.537	0	%100
98	MP2B	Z	-.31	-.31	0	%100
99	MP3B	X	.65	.65	0	%100
100	MP3B	Z	-.375	-.375	0	%100
101	MP4B	X	.537	.537	0	%100
102	MP4B	Z	-.31	-.31	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,%]
103	M100	X	.439	.439	0	%100
104	M100	Z	-.253	-.253	0	%100
105	M102	X	.162	.162	0	%100
106	M102	Z	-.094	-.094	0	%100
107	M107	X	.65	.65	0	%100
108	M107	Z	-.375	-.375	0	%100
109	M112	X	.162	.162	0	%100
110	M112	Z	-.094	-.094	0	%100
111	M123	X	.716	.716	0	%100
112	M123	Z	-.413	-.413	0	%100
113	M124	X	.179	.179	0	%100
114	M124	Z	-.103	-.103	0	%100
115	M125	X	.179	.179	0	%100
116	M125	Z	-.103	-.103	0	%100
117	M126	X	1.138	1.138	0	%100
118	M126	Z	-.657	-.657	0	%100
119	M127	X	1.304	1.304	0	%100
120	M127	Z	-.753	-.753	0	%100
121	M128	X	1.138	1.138	0	%100
122	M128	Z	-.657	-.657	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	.928	.928	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	.62	.62	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	.652	.652	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.652	.652	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	1.566	1.566	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	1.196	1.196	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	1.26	1.26	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	1.566	1.566	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	1.196	1.196	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	1.26	1.26	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	.232	.232	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	.589	.589	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	.589	.589	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,%]
34	M36	Z	0	0	0	%100
35	M37	X	1.175	1.175	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	.652	.652	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	.392	.392	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	1.196	1.196	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	1.26	1.26	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	.392	.392	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	.232	.232	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	.589	.589	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	.589	.589	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	1.175	1.175	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	.652	.652	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	.392	.392	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	.392	.392	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	1.196	1.196	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	1.26	1.26	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	.62	.62	0	%100
78	MP2A	Z	0	0	0	%100
79	MP3A	X	.75	.75	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	.62	.62	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	.669	.669	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	.62	.62	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	.62	.62	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	.75	.75	0	%100
90	MP3C	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,%]
91	MP4C	X	.62	.62	0	%100
92	MP4C	Z	0	0	0	%100
93	M90	X	.669	.669	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	.62	.62	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	.62	.62	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	.75	.75	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	.62	.62	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	.507	.507	0	%100
104	M100	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	.563	.563	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	.563	.563	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	.62	.62	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.62	.62	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	1.25	1.25	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	1.442	1.442	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	1.442	1.442	0	%100
122	M128	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	.193	.193	0	%100
2	M1	Z	.111	.111	0	%100
3	M4	X	.603	.603	0	%100
4	M4	Z	.348	.348	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP1A	X	.537	.537	0	%100
8	MP1A	Z	.31	.31	0	%100
9	M43	X	.17	.17	0	%100
10	M43	Z	.098	.098	0	%100
11	M46	X	.339	.339	0	%100
12	M46	Z	.196	.196	0	%100
13	M51B	X	.188	.188	0	%100
14	M51B	Z	.109	.109	0	%100
15	M52B	X	.753	.753	0	%100
16	M52B	Z	.435	.435	0	%100
17	M76	X	1.017	1.017	0	%100
18	M76	Z	.587	.587	0	%100
19	M77	X	.345	.345	0	%100
20	M77	Z	.199	.199	0	%100
21	M80	X	.364	.364	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,%]
22	M80	Z	.21	.21	0	%100
23	M84	X	1.017	1.017	0	%100
24	M84	Z	.587	.587	0	%100
25	M85	X	1.381	1.381	0	%100
26	M85	Z	.798	.798	0	%100
27	M91	X	1.455	1.455	0	%100
28	M91	Z	.84	.84	0	%100
29	M34	X	.603	.603	0	%100
30	M34	Z	.348	.348	0	%100
31	M35	X	.17	.17	0	%100
32	M35	Z	.098	.098	0	%100
33	M36	X	.17	.17	0	%100
34	M36	Z	.098	.098	0	%100
35	M37	X	.339	.339	0	%100
36	M37	Z	.196	.196	0	%100
37	M40	X	.753	.753	0	%100
38	M40	Z	.435	.435	0	%100
39	M41	X	.188	.188	0	%100
40	M41	Z	.109	.109	0	%100
41	M45	X	1.017	1.017	0	%100
42	M45	Z	.587	.587	0	%100
43	M46A	X	1.381	1.381	0	%100
44	M46A	Z	.798	.798	0	%100
45	M48	X	1.455	1.455	0	%100
46	M48	Z	.84	.84	0	%100
47	M50A	X	1.017	1.017	0	%100
48	M50A	Z	.587	.587	0	%100
49	M51C	X	.345	.345	0	%100
50	M51C	Z	.199	.199	0	%100
51	M53	X	.364	.364	0	%100
52	M53	Z	.21	.21	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	.68	.68	0	%100
56	M59A	Z	.393	.393	0	%100
57	M60	X	.68	.68	0	%100
58	M60	Z	.393	.393	0	%100
59	M61	X	1.356	1.356	0	%100
60	M61	Z	.783	.783	0	%100
61	M64	X	.188	.188	0	%100
62	M64	Z	.109	.109	0	%100
63	M65	X	.188	.188	0	%100
64	M65	Z	.109	.109	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	.345	.345	0	%100
68	M70	Z	.199	.199	0	%100
69	M72	X	.364	.364	0	%100
70	M72	Z	.21	.21	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	.345	.345	0	%100
74	M75	Z	.199	.199	0	%100
75	M77A	X	.364	.364	0	%100
76	M77A	Z	.21	.21	0	%100
77	MP2A	X	.537	.537	0	%100
78	MP2A	Z	.31	.31	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,%]
79	MP3A	X	.65	.65	0	%100
80	MP3A	Z	.375	.375	0	%100
81	MP4A	X	.537	.537	0	%100
82	MP4A	Z	.31	.31	0	%100
83	M81A	X	.193	.193	0	%100
84	M81A	Z	.111	.111	0	%100
85	MP1C	X	.537	.537	0	%100
86	MP1C	Z	.31	.31	0	%100
87	MP2C	X	.537	.537	0	%100
88	MP2C	Z	.31	.31	0	%100
89	MP3C	X	.65	.65	0	%100
90	MP3C	Z	.375	.375	0	%100
91	MP4C	X	.537	.537	0	%100
92	MP4C	Z	.31	.31	0	%100
93	M90	X	.772	.772	0	%100
94	M90	Z	.446	.446	0	%100
95	MP1B	X	.537	.537	0	%100
96	MP1B	Z	.31	.31	0	%100
97	MP2B	X	.537	.537	0	%100
98	MP2B	Z	.31	.31	0	%100
99	MP3B	X	.65	.65	0	%100
100	MP3B	Z	.375	.375	0	%100
101	MP4B	X	.537	.537	0	%100
102	MP4B	Z	.31	.31	0	%100
103	M100	X	.439	.439	0	%100
104	M100	Z	.253	.253	0	%100
105	M102	X	.162	.162	0	%100
106	M102	Z	.094	.094	0	%100
107	M107	X	.162	.162	0	%100
108	M107	Z	.094	.094	0	%100
109	M112	X	.65	.65	0	%100
110	M112	Z	.375	.375	0	%100
111	M123	X	.179	.179	0	%100
112	M123	Z	.103	.103	0	%100
113	M124	X	.716	.716	0	%100
114	M124	Z	.413	.413	0	%100
115	M125	X	.179	.179	0	%100
116	M125	Z	.103	.103	0	%100
117	M126	X	1.138	1.138	0	%100
118	M126	Z	.657	.657	0	%100
119	M127	X	1.138	1.138	0	%100
120	M127	Z	.657	.657	0	%100
121	M128	X	1.304	1.304	0	%100
122	M128	Z	.753	.753	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	.334	.334	0	%100
2	M1	Z	.579	.579	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	.201	.201	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	.51	.51	0	%100
7	MP1A	X	.31	.31	0	%100
8	MP1A	Z	.537	.537	0	%100
9	M43	X	.294	.294	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,%]
10	M43	Z	.51	.51	0	%100
11	M46	X	.587	.587	0	%100
12	M46	Z	1.017	1.017	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	.326	.326	0	%100
16	M52B	Z	.565	.565	0	%100
17	M76	X	.196	.196	0	%100
18	M76	Z	.339	.339	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	.196	.196	0	%100
24	M84	Z	.339	.339	0	%100
25	M85	X	.598	.598	0	%100
26	M85	Z	1.036	1.036	0	%100
27	M91	X	.63	.63	0	%100
28	M91	Z	1.091	1.091	0	%100
29	M34	X	.464	.464	0	%100
30	M34	Z	.804	.804	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	.326	.326	0	%100
38	M40	Z	.565	.565	0	%100
39	M41	X	.326	.326	0	%100
40	M41	Z	.565	.565	0	%100
41	M45	X	.783	.783	0	%100
42	M45	Z	1.356	1.356	0	%100
43	M46A	X	.598	.598	0	%100
44	M46A	Z	1.036	1.036	0	%100
45	M48	X	.63	.63	0	%100
46	M48	Z	1.091	1.091	0	%100
47	M50A	X	.783	.783	0	%100
48	M50A	Z	1.356	1.356	0	%100
49	M51C	X	.598	.598	0	%100
50	M51C	Z	1.036	1.036	0	%100
51	M53	X	.63	.63	0	%100
52	M53	Z	1.091	1.091	0	%100
53	M58A	X	.116	.116	0	%100
54	M58A	Z	.201	.201	0	%100
55	M59A	X	.294	.294	0	%100
56	M59A	Z	.51	.51	0	%100
57	M60	X	.294	.294	0	%100
58	M60	Z	.51	.51	0	%100
59	M61	X	.587	.587	0	%100
60	M61	Z	1.017	1.017	0	%100
61	M64	X	.326	.326	0	%100
62	M64	Z	.565	.565	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	.196	.196	0	%100
66	M69	Z	.339	.339	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,%]
67	M70	X	.598	.598	0	%100
68	M70	Z	1.036	1.036	0	%100
69	M72	X	.63	.63	0	%100
70	M72	Z	1.091	1.091	0	%100
71	M74	X	.196	.196	0	%100
72	M74	Z	.339	.339	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	.31	.31	0	%100
78	MP2A	Z	.537	.537	0	%100
79	MP3A	X	.375	.375	0	%100
80	MP3A	Z	.65	.65	0	%100
81	MP4A	X	.31	.31	0	%100
82	MP4A	Z	.537	.537	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	.31	.31	0	%100
86	MP1C	Z	.537	.537	0	%100
87	MP2C	X	.31	.31	0	%100
88	MP2C	Z	.537	.537	0	%100
89	MP3C	X	.375	.375	0	%100
90	MP3C	Z	.65	.65	0	%100
91	MP4C	X	.31	.31	0	%100
92	MP4C	Z	.537	.537	0	%100
93	M90	X	.334	.334	0	%100
94	M90	Z	.579	.579	0	%100
95	MP1B	X	.31	.31	0	%100
96	MP1B	Z	.537	.537	0	%100
97	MP2B	X	.31	.31	0	%100
98	MP2B	Z	.537	.537	0	%100
99	MP3B	X	.375	.375	0	%100
100	MP3B	Z	.65	.65	0	%100
101	MP4B	X	.31	.31	0	%100
102	MP4B	Z	.537	.537	0	%100
103	M100	X	.253	.253	0	%100
104	M100	Z	.439	.439	0	%100
105	M102	X	.281	.281	0	%100
106	M102	Z	.487	.487	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	.281	.281	0	%100
110	M112	Z	.487	.487	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	.31	.31	0	%100
114	M124	Z	.537	.537	0	%100
115	M125	X	.31	.31	0	%100
116	M125	Z	.537	.537	0	%100
117	M126	X	.721	.721	0	%100
118	M126	Z	1.249	1.249	0	%100
119	M127	X	.625	.625	0	%100
120	M127	Z	1.083	1.083	0	%100
121	M128	X	.721	.721	0	%100
122	M128	Z	1.249	1.249	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	.892	.892	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	.785	.785	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.62	.62	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	.785	.785	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	1.566	1.566	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	.217	.217	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	.217	.217	0	%100
17	M76	X	0	0	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	.399	.399	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	.42	.42	0	%100
23	M84	X	0	0	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	.399	.399	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	.42	.42	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	.696	.696	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	.196	.196	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	.196	.196	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	.392	.392	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	.217	.217	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	.87	.87	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	1.175	1.175	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	.399	.399	0	%100
45	M48	X	0	0	0	%100
46	M48	Z	.42	.42	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	1.175	1.175	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	1.595	1.595	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	1.68	1.68	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	.696	.696	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	.196	.196	0	%100
57	M60	X	0	0	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,%]
58	M60	Z	.196	.196	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	.392	.392	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	.87	.87	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	.217	.217	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	1.175	1.175	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	1.595	1.595	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	1.68	1.68	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	1.175	1.175	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	.399	.399	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	.42	.42	0	%100
77	MP2A	X	0	0	0	%100
78	MP2A	Z	.62	.62	0	%100
79	MP3A	X	0	0	0	%100
80	MP3A	Z	.75	.75	0	%100
81	MP4A	X	0	0	0	%100
82	MP4A	Z	.62	.62	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	.223	.223	0	%100
85	MP1C	X	0	0	0	%100
86	MP1C	Z	.62	.62	0	%100
87	MP2C	X	0	0	0	%100
88	MP2C	Z	.62	.62	0	%100
89	MP3C	X	0	0	0	%100
90	MP3C	Z	.75	.75	0	%100
91	MP4C	X	0	0	0	%100
92	MP4C	Z	.62	.62	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	.223	.223	0	%100
95	MP1B	X	0	0	0	%100
96	MP1B	Z	.62	.62	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.62	.62	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.75	.75	0	%100
101	MP4B	X	0	0	0	%100
102	MP4B	Z	.62	.62	0	%100
103	M100	X	0	0	0	%100
104	M100	Z	.507	.507	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.75	.75	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	.188	.188	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	.188	.188	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.207	.207	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	.207	.207	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,%]
115	M125	X	0	0	0	%100
116	M125	Z	.826	.826	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	1.506	1.506	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	1.314	1.314	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	1.314	1.314	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	-.334	-.334	0	%100
2	M1	Z	.579	.579	0	%100
3	M4	X	-.116	-.116	0	%100
4	M4	Z	.201	.201	0	%100
5	M10	X	-.294	-.294	0	%100
6	M10	Z	.51	.51	0	%100
7	MP1A	X	-.31	-.31	0	%100
8	MP1A	Z	.537	.537	0	%100
9	M43	X	-.294	-.294	0	%100
10	M43	Z	.51	.51	0	%100
11	M46	X	-.587	-.587	0	%100
12	M46	Z	1.017	1.017	0	%100
13	M51B	X	-.326	-.326	0	%100
14	M51B	Z	.565	.565	0	%100
15	M52B	X	0	0	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-.196	-.196	0	%100
18	M76	Z	.339	.339	0	%100
19	M77	X	-.598	-.598	0	%100
20	M77	Z	1.036	1.036	0	%100
21	M80	X	-.63	-.63	0	%100
22	M80	Z	1.091	1.091	0	%100
23	M84	X	-.196	-.196	0	%100
24	M84	Z	.339	.339	0	%100
25	M85	X	0	0	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	0	0	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-.116	-.116	0	%100
30	M34	Z	.201	.201	0	%100
31	M35	X	-.294	-.294	0	%100
32	M35	Z	.51	.51	0	%100
33	M36	X	-.294	-.294	0	%100
34	M36	Z	.51	.51	0	%100
35	M37	X	-.587	-.587	0	%100
36	M37	Z	1.017	1.017	0	%100
37	M40	X	0	0	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	-.326	-.326	0	%100
40	M41	Z	.565	.565	0	%100
41	M45	X	-.196	-.196	0	%100
42	M45	Z	.339	.339	0	%100
43	M46A	X	0	0	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	0	0	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,%]
46	M48	Z	0	0	0	%100
47	M50A	X	-.196	-.196	0	%100
48	M50A	Z	.339	.339	0	%100
49	M51C	X	-.598	-.598	0	%100
50	M51C	Z	1.036	1.036	0	%100
51	M53	X	-.63	-.63	0	%100
52	M53	Z	1.091	1.091	0	%100
53	M58A	X	-.464	-.464	0	%100
54	M58A	Z	.804	.804	0	%100
55	M59A	X	0	0	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	0	0	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	0	0	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	-.326	-.326	0	%100
62	M64	Z	.565	.565	0	%100
63	M65	X	-.326	-.326	0	%100
64	M65	Z	.565	.565	0	%100
65	M69	X	-.783	-.783	0	%100
66	M69	Z	1.356	1.356	0	%100
67	M70	X	-.598	-.598	0	%100
68	M70	Z	1.036	1.036	0	%100
69	M72	X	-.63	-.63	0	%100
70	M72	Z	1.091	1.091	0	%100
71	M74	X	-.783	-.783	0	%100
72	M74	Z	1.356	1.356	0	%100
73	M75	X	-.598	-.598	0	%100
74	M75	Z	1.036	1.036	0	%100
75	M77A	X	-.63	-.63	0	%100
76	M77A	Z	1.091	1.091	0	%100
77	MP2A	X	-.31	-.31	0	%100
78	MP2A	Z	.537	.537	0	%100
79	MP3A	X	-.375	-.375	0	%100
80	MP3A	Z	.65	.65	0	%100
81	MP4A	X	-.31	-.31	0	%100
82	MP4A	Z	.537	.537	0	%100
83	M81A	X	-.334	-.334	0	%100
84	M81A	Z	.579	.579	0	%100
85	MP1C	X	-.31	-.31	0	%100
86	MP1C	Z	.537	.537	0	%100
87	MP2C	X	-.31	-.31	0	%100
88	MP2C	Z	.537	.537	0	%100
89	MP3C	X	-.375	-.375	0	%100
90	MP3C	Z	.65	.65	0	%100
91	MP4C	X	-.31	-.31	0	%100
92	MP4C	Z	.537	.537	0	%100
93	M90	X	0	0	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	-.31	-.31	0	%100
96	MP1B	Z	.537	.537	0	%100
97	MP2B	X	-.31	-.31	0	%100
98	MP2B	Z	.537	.537	0	%100
99	MP3B	X	-.375	-.375	0	%100
100	MP3B	Z	.65	.65	0	%100
101	MP4B	X	-.31	-.31	0	%100
102	MP4B	Z	.537	.537	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,%]
103	M100	X	-.253	-.253	0	%100
104	M100	Z	.439	.439	0	%100
105	M102	X	-.281	-.281	0	%100
106	M102	Z	.487	.487	0	%100
107	M107	X	-.281	-.281	0	%100
108	M107	Z	.487	.487	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-.31	-.31	0	%100
112	M123	Z	.537	.537	0	%100
113	M124	X	0	0	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	-.31	-.31	0	%100
116	M125	Z	.537	.537	0	%100
117	M126	X	-.721	-.721	0	%100
118	M126	Z	1.249	1.249	0	%100
119	M127	X	-.721	-.721	0	%100
120	M127	Z	1.249	1.249	0	%100
121	M128	X	-.625	-.625	0	%100
122	M128	Z	1.083	1.083	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	-.193	-.193	0	%100
2	M1	Z	.111	.111	0	%100
3	M4	X	-.603	-.603	0	%100
4	M4	Z	.348	.348	0	%100
5	M10	X	-.17	-.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP1A	X	-.537	-.537	0	%100
8	MP1A	Z	.31	.31	0	%100
9	M43	X	-.17	-.17	0	%100
10	M43	Z	.098	.098	0	%100
11	M46	X	-.339	-.339	0	%100
12	M46	Z	.196	.196	0	%100
13	M51B	X	-.753	-.753	0	%100
14	M51B	Z	.435	.435	0	%100
15	M52B	X	-.188	-.188	0	%100
16	M52B	Z	.109	.109	0	%100
17	M76	X	-1.017	-1.017	0	%100
18	M76	Z	.587	.587	0	%100
19	M77	X	-1.381	-1.381	0	%100
20	M77	Z	.798	.798	0	%100
21	M80	X	-1.455	-1.455	0	%100
22	M80	Z	.84	.84	0	%100
23	M84	X	-1.017	-1.017	0	%100
24	M84	Z	.587	.587	0	%100
25	M85	X	-.345	-.345	0	%100
26	M85	Z	.199	.199	0	%100
27	M91	X	-.364	-.364	0	%100
28	M91	Z	.21	.21	0	%100
29	M34	X	0	0	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-.68	-.68	0	%100
32	M35	Z	.393	.393	0	%100
33	M36	X	-.68	-.68	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,%]
34	M36	Z	.393	.393	0	%100
35	M37	X	-1.356	-1.356	0	%100
36	M37	Z	.783	.783	0	%100
37	M40	X	-.188	-.188	0	%100
38	M40	Z	.109	.109	0	%100
39	M41	X	-.188	-.188	0	%100
40	M41	Z	.109	.109	0	%100
41	M45	X	0	0	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-.345	-.345	0	%100
44	M46A	Z	.199	.199	0	%100
45	M48	X	-.364	-.364	0	%100
46	M48	Z	.21	.21	0	%100
47	M50A	X	0	0	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	-.345	-.345	0	%100
50	M51C	Z	.199	.199	0	%100
51	M53	X	-.364	-.364	0	%100
52	M53	Z	.21	.21	0	%100
53	M58A	X	-.603	-.603	0	%100
54	M58A	Z	.348	.348	0	%100
55	M59A	X	-.17	-.17	0	%100
56	M59A	Z	.098	.098	0	%100
57	M60	X	-.17	-.17	0	%100
58	M60	Z	.098	.098	0	%100
59	M61	X	-.339	-.339	0	%100
60	M61	Z	.196	.196	0	%100
61	M64	X	-.188	-.188	0	%100
62	M64	Z	.109	.109	0	%100
63	M65	X	-.753	-.753	0	%100
64	M65	Z	.435	.435	0	%100
65	M69	X	-1.017	-1.017	0	%100
66	M69	Z	.587	.587	0	%100
67	M70	X	-.345	-.345	0	%100
68	M70	Z	.199	.199	0	%100
69	M72	X	-.364	-.364	0	%100
70	M72	Z	.21	.21	0	%100
71	M74	X	-1.017	-1.017	0	%100
72	M74	Z	.587	.587	0	%100
73	M75	X	-1.381	-1.381	0	%100
74	M75	Z	.798	.798	0	%100
75	M77A	X	-1.455	-1.455	0	%100
76	M77A	Z	.84	.84	0	%100
77	MP2A	X	-.537	-.537	0	%100
78	MP2A	Z	.31	.31	0	%100
79	MP3A	X	-.65	-.65	0	%100
80	MP3A	Z	.375	.375	0	%100
81	MP4A	X	-.537	-.537	0	%100
82	MP4A	Z	.31	.31	0	%100
83	M81A	X	-.772	-.772	0	%100
84	M81A	Z	.446	.446	0	%100
85	MP1C	X	-.537	-.537	0	%100
86	MP1C	Z	.31	.31	0	%100
87	MP2C	X	-.537	-.537	0	%100
88	MP2C	Z	.31	.31	0	%100
89	MP3C	X	-.65	-.65	0	%100
90	MP3C	Z	.375	.375	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,%]
91	MP4C	X	-.537	-.537	0	%100
92	MP4C	Z	.31	.31	0	%100
93	M90	X	-.193	-.193	0	%100
94	M90	Z	.111	.111	0	%100
95	MP1B	X	-.537	-.537	0	%100
96	MP1B	Z	.31	.31	0	%100
97	MP2B	X	-.537	-.537	0	%100
98	MP2B	Z	.31	.31	0	%100
99	MP3B	X	-.65	-.65	0	%100
100	MP3B	Z	.375	.375	0	%100
101	MP4B	X	-.537	-.537	0	%100
102	MP4B	Z	.31	.31	0	%100
103	M100	X	-.439	-.439	0	%100
104	M100	Z	.253	.253	0	%100
105	M102	X	-.162	-.162	0	%100
106	M102	Z	.094	.094	0	%100
107	M107	X	-.65	-.65	0	%100
108	M107	Z	.375	.375	0	%100
109	M112	X	-.162	-.162	0	%100
110	M112	Z	.094	.094	0	%100
111	M123	X	-.716	-.716	0	%100
112	M123	Z	.413	.413	0	%100
113	M124	X	-.179	-.179	0	%100
114	M124	Z	.103	.103	0	%100
115	M125	X	-.179	-.179	0	%100
116	M125	Z	.103	.103	0	%100
117	M126	X	-1.138	-1.138	0	%100
118	M126	Z	.657	.657	0	%100
119	M127	X	-1.304	-1.304	0	%100
120	M127	Z	.753	.753	0	%100
121	M128	X	-1.138	-1.138	0	%100
122	M128	Z	.657	.657	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	-.928	-.928	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP1A	X	-.62	-.62	0	%100
8	MP1A	Z	0	0	0	%100
9	M43	X	0	0	0	%100
10	M43	Z	0	0	0	%100
11	M46	X	0	0	0	%100
12	M46	Z	0	0	0	%100
13	M51B	X	-.652	-.652	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.652	-.652	0	%100
16	M52B	Z	0	0	0	%100
17	M76	X	-1.566	-1.566	0	%100
18	M76	Z	0	0	0	%100
19	M77	X	-1.196	-1.196	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	-1.26	-1.26	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,%]
22	M80	Z	0	0	0	%100
23	M84	X	-1.566	-1.566	0	%100
24	M84	Z	0	0	0	%100
25	M85	X	-1.196	-1.196	0	%100
26	M85	Z	0	0	0	%100
27	M91	X	-1.26	-1.26	0	%100
28	M91	Z	0	0	0	%100
29	M34	X	-.232	-.232	0	%100
30	M34	Z	0	0	0	%100
31	M35	X	-.589	-.589	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	-.589	-.589	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	-1.175	-1.175	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-.652	-.652	0	%100
38	M40	Z	0	0	0	%100
39	M41	X	0	0	0	%100
40	M41	Z	0	0	0	%100
41	M45	X	-.392	-.392	0	%100
42	M45	Z	0	0	0	%100
43	M46A	X	-1.196	-1.196	0	%100
44	M46A	Z	0	0	0	%100
45	M48	X	-1.26	-1.26	0	%100
46	M48	Z	0	0	0	%100
47	M50A	X	-.392	-.392	0	%100
48	M50A	Z	0	0	0	%100
49	M51C	X	0	0	0	%100
50	M51C	Z	0	0	0	%100
51	M53	X	0	0	0	%100
52	M53	Z	0	0	0	%100
53	M58A	X	-.232	-.232	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-.589	-.589	0	%100
56	M59A	Z	0	0	0	%100
57	M60	X	-.589	-.589	0	%100
58	M60	Z	0	0	0	%100
59	M61	X	-1.175	-1.175	0	%100
60	M61	Z	0	0	0	%100
61	M64	X	0	0	0	%100
62	M64	Z	0	0	0	%100
63	M65	X	-.652	-.652	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-.392	-.392	0	%100
66	M69	Z	0	0	0	%100
67	M70	X	0	0	0	%100
68	M70	Z	0	0	0	%100
69	M72	X	0	0	0	%100
70	M72	Z	0	0	0	%100
71	M74	X	-.392	-.392	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-1.196	-1.196	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	-1.26	-1.26	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-.62	-.62	0	%100
78	MP2A	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,%]
79	MP3A	X	-.75	-.75	0	%100
80	MP3A	Z	0	0	0	%100
81	MP4A	X	-.62	-.62	0	%100
82	MP4A	Z	0	0	0	%100
83	M81A	X	-.669	-.669	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-.62	-.62	0	%100
86	MP1C	Z	0	0	0	%100
87	MP2C	X	-.62	-.62	0	%100
88	MP2C	Z	0	0	0	%100
89	MP3C	X	-.75	-.75	0	%100
90	MP3C	Z	0	0	0	%100
91	MP4C	X	-.62	-.62	0	%100
92	MP4C	Z	0	0	0	%100
93	M90	X	-.669	-.669	0	%100
94	M90	Z	0	0	0	%100
95	MP1B	X	-.62	-.62	0	%100
96	MP1B	Z	0	0	0	%100
97	MP2B	X	-.62	-.62	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-.75	-.75	0	%100
100	MP3B	Z	0	0	0	%100
101	MP4B	X	-.62	-.62	0	%100
102	MP4B	Z	0	0	0	%100
103	M100	X	-.507	-.507	0	%100
104	M100	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-.563	-.563	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-.563	-.563	0	%100
110	M112	Z	0	0	0	%100
111	M123	X	-.62	-.62	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.62	-.62	0	%100
114	M124	Z	0	0	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	-1.25	-1.25	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-1.442	-1.442	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-1.442	-1.442	0	%100
122	M128	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	-.193	-.193	0	%100
2	M1	Z	-.111	-.111	0	%100
3	M4	X	-.603	-.603	0	%100
4	M4	Z	-.348	-.348	0	%100
5	M10	X	-.17	-.17	0	%100
6	M10	Z	-.098	-.098	0	%100
7	MP1A	X	-.537	-.537	0	%100
8	MP1A	Z	-.31	-.31	0	%100
9	M43	X	-.17	-.17	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,%]
10	M43	Z	-.098	-.098	0	%100
11	M46	X	-.339	-.339	0	%100
12	M46	Z	-.196	-.196	0	%100
13	M51B	X	-.188	-.188	0	%100
14	M51B	Z	-.109	-.109	0	%100
15	M52B	X	-.753	-.753	0	%100
16	M52B	Z	-.435	-.435	0	%100
17	M76	X	-1.017	-1.017	0	%100
18	M76	Z	-.587	-.587	0	%100
19	M77	X	-.345	-.345	0	%100
20	M77	Z	-.199	-.199	0	%100
21	M80	X	-.364	-.364	0	%100
22	M80	Z	-.21	-.21	0	%100
23	M84	X	-1.017	-1.017	0	%100
24	M84	Z	-.587	-.587	0	%100
25	M85	X	-1.381	-1.381	0	%100
26	M85	Z	-.798	-.798	0	%100
27	M91	X	-1.455	-1.455	0	%100
28	M91	Z	-.84	-.84	0	%100
29	M34	X	-.603	-.603	0	%100
30	M34	Z	-.348	-.348	0	%100
31	M35	X	-.17	-.17	0	%100
32	M35	Z	-.098	-.098	0	%100
33	M36	X	-.17	-.17	0	%100
34	M36	Z	-.098	-.098	0	%100
35	M37	X	-.339	-.339	0	%100
36	M37	Z	-.196	-.196	0	%100
37	M40	X	-.753	-.753	0	%100
38	M40	Z	-.435	-.435	0	%100
39	M41	X	-.188	-.188	0	%100
40	M41	Z	-.109	-.109	0	%100
41	M45	X	-1.017	-1.017	0	%100
42	M45	Z	-.587	-.587	0	%100
43	M46A	X	-1.381	-1.381	0	%100
44	M46A	Z	-.798	-.798	0	%100
45	M48	X	-1.455	-1.455	0	%100
46	M48	Z	-.84	-.84	0	%100
47	M50A	X	-1.017	-1.017	0	%100
48	M50A	Z	-.587	-.587	0	%100
49	M51C	X	-.345	-.345	0	%100
50	M51C	Z	-.199	-.199	0	%100
51	M53	X	-.364	-.364	0	%100
52	M53	Z	-.21	-.21	0	%100
53	M58A	X	0	0	0	%100
54	M58A	Z	0	0	0	%100
55	M59A	X	-.68	-.68	0	%100
56	M59A	Z	-.393	-.393	0	%100
57	M60	X	-.68	-.68	0	%100
58	M60	Z	-.393	-.393	0	%100
59	M61	X	-1.356	-1.356	0	%100
60	M61	Z	-.783	-.783	0	%100
61	M64	X	-.188	-.188	0	%100
62	M64	Z	-.109	-.109	0	%100
63	M65	X	-.188	-.188	0	%100
64	M65	Z	-.109	-.109	0	%100
65	M69	X	0	0	0	%100
66	M69	Z	0	0	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,%]
67	M70	X	-.345	-.345	0	%100
68	M70	Z	-.199	-.199	0	%100
69	M72	X	-.364	-.364	0	%100
70	M72	Z	-.21	-.21	0	%100
71	M74	X	0	0	0	%100
72	M74	Z	0	0	0	%100
73	M75	X	-.345	-.345	0	%100
74	M75	Z	-.199	-.199	0	%100
75	M77A	X	-.364	-.364	0	%100
76	M77A	Z	-.21	-.21	0	%100
77	MP2A	X	-.537	-.537	0	%100
78	MP2A	Z	-.31	-.31	0	%100
79	MP3A	X	-.65	-.65	0	%100
80	MP3A	Z	-.375	-.375	0	%100
81	MP4A	X	-.537	-.537	0	%100
82	MP4A	Z	-.31	-.31	0	%100
83	M81A	X	-.193	-.193	0	%100
84	M81A	Z	-.111	-.111	0	%100
85	MP1C	X	-.537	-.537	0	%100
86	MP1C	Z	-.31	-.31	0	%100
87	MP2C	X	-.537	-.537	0	%100
88	MP2C	Z	-.31	-.31	0	%100
89	MP3C	X	-.65	-.65	0	%100
90	MP3C	Z	-.375	-.375	0	%100
91	MP4C	X	-.537	-.537	0	%100
92	MP4C	Z	-.31	-.31	0	%100
93	M90	X	-.772	-.772	0	%100
94	M90	Z	-.446	-.446	0	%100
95	MP1B	X	-.537	-.537	0	%100
96	MP1B	Z	-.31	-.31	0	%100
97	MP2B	X	-.537	-.537	0	%100
98	MP2B	Z	-.31	-.31	0	%100
99	MP3B	X	-.65	-.65	0	%100
100	MP3B	Z	-.375	-.375	0	%100
101	MP4B	X	-.537	-.537	0	%100
102	MP4B	Z	-.31	-.31	0	%100
103	M100	X	-.439	-.439	0	%100
104	M100	Z	-.253	-.253	0	%100
105	M102	X	-.162	-.162	0	%100
106	M102	Z	-.094	-.094	0	%100
107	M107	X	-.162	-.162	0	%100
108	M107	Z	-.094	-.094	0	%100
109	M112	X	-.65	-.65	0	%100
110	M112	Z	-.375	-.375	0	%100
111	M123	X	-.179	-.179	0	%100
112	M123	Z	-.103	-.103	0	%100
113	M124	X	-.716	-.716	0	%100
114	M124	Z	-.413	-.413	0	%100
115	M125	X	-.179	-.179	0	%100
116	M125	Z	-.103	-.103	0	%100
117	M126	X	-1.138	-1.138	0	%100
118	M126	Z	-.657	-.657	0	%100
119	M127	X	-1.138	-1.138	0	%100
120	M127	Z	-.657	-.657	0	%100
121	M128	X	-1.304	-1.304	0	%100
122	M128	Z	-.753	-.753	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	-.334	-.334	0	%100
2	M1	Z	-.579	-.579	0	%100
3	M4	X	-.116	-.116	0	%100
4	M4	Z	-.201	-.201	0	%100
5	M10	X	-.294	-.294	0	%100
6	M10	Z	-.51	-.51	0	%100
7	MP1A	X	-.31	-.31	0	%100
8	MP1A	Z	-.537	-.537	0	%100
9	M43	X	-.294	-.294	0	%100
10	M43	Z	-.51	-.51	0	%100
11	M46	X	-.587	-.587	0	%100
12	M46	Z	-1.017	-1.017	0	%100
13	M51B	X	0	0	0	%100
14	M51B	Z	0	0	0	%100
15	M52B	X	-.326	-.326	0	%100
16	M52B	Z	-.565	-.565	0	%100
17	M76	X	-.196	-.196	0	%100
18	M76	Z	-.339	-.339	0	%100
19	M77	X	0	0	0	%100
20	M77	Z	0	0	0	%100
21	M80	X	0	0	0	%100
22	M80	Z	0	0	0	%100
23	M84	X	-.196	-.196	0	%100
24	M84	Z	-.339	-.339	0	%100
25	M85	X	-.598	-.598	0	%100
26	M85	Z	-1.036	-1.036	0	%100
27	M91	X	-.63	-.63	0	%100
28	M91	Z	-1.091	-1.091	0	%100
29	M34	X	-.464	-.464	0	%100
30	M34	Z	-.804	-.804	0	%100
31	M35	X	0	0	0	%100
32	M35	Z	0	0	0	%100
33	M36	X	0	0	0	%100
34	M36	Z	0	0	0	%100
35	M37	X	0	0	0	%100
36	M37	Z	0	0	0	%100
37	M40	X	-.326	-.326	0	%100
38	M40	Z	-.565	-.565	0	%100
39	M41	X	-.326	-.326	0	%100
40	M41	Z	-.565	-.565	0	%100
41	M45	X	-.783	-.783	0	%100
42	M45	Z	-1.356	-1.356	0	%100
43	M46A	X	-.598	-.598	0	%100
44	M46A	Z	-1.036	-1.036	0	%100
45	M48	X	-.63	-.63	0	%100
46	M48	Z	-1.091	-1.091	0	%100
47	M50A	X	-.783	-.783	0	%100
48	M50A	Z	-1.356	-1.356	0	%100
49	M51C	X	-.598	-.598	0	%100
50	M51C	Z	-1.036	-1.036	0	%100
51	M53	X	-.63	-.63	0	%100
52	M53	Z	-1.091	-1.091	0	%100
53	M58A	X	-.116	-.116	0	%100
54	M58A	Z	-.201	-.201	0	%100
55	M59A	X	-.294	-.294	0	%100
56	M59A	Z	-.51	-.51	0	%100
57	M60	X	-.294	-.294	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,%]
58	M60	Z	-.51	-.51	0	%100
59	M61	X	-.587	-.587	0	%100
60	M61	Z	-1.017	-1.017	0	%100
61	M64	X	-.326	-.326	0	%100
62	M64	Z	-.565	-.565	0	%100
63	M65	X	0	0	0	%100
64	M65	Z	0	0	0	%100
65	M69	X	-.196	-.196	0	%100
66	M69	Z	-.339	-.339	0	%100
67	M70	X	-.598	-.598	0	%100
68	M70	Z	-1.036	-1.036	0	%100
69	M72	X	-.63	-.63	0	%100
70	M72	Z	-1.091	-1.091	0	%100
71	M74	X	-.196	-.196	0	%100
72	M74	Z	-.339	-.339	0	%100
73	M75	X	0	0	0	%100
74	M75	Z	0	0	0	%100
75	M77A	X	0	0	0	%100
76	M77A	Z	0	0	0	%100
77	MP2A	X	-.31	-.31	0	%100
78	MP2A	Z	-.537	-.537	0	%100
79	MP3A	X	-.375	-.375	0	%100
80	MP3A	Z	-.65	-.65	0	%100
81	MP4A	X	-.31	-.31	0	%100
82	MP4A	Z	-.537	-.537	0	%100
83	M81A	X	0	0	0	%100
84	M81A	Z	0	0	0	%100
85	MP1C	X	-.31	-.31	0	%100
86	MP1C	Z	-.537	-.537	0	%100
87	MP2C	X	-.31	-.31	0	%100
88	MP2C	Z	-.537	-.537	0	%100
89	MP3C	X	-.375	-.375	0	%100
90	MP3C	Z	-.65	-.65	0	%100
91	MP4C	X	-.31	-.31	0	%100
92	MP4C	Z	-.537	-.537	0	%100
93	M90	X	-.334	-.334	0	%100
94	M90	Z	-.579	-.579	0	%100
95	MP1B	X	-.31	-.31	0	%100
96	MP1B	Z	-.537	-.537	0	%100
97	MP2B	X	-.31	-.31	0	%100
98	MP2B	Z	-.537	-.537	0	%100
99	MP3B	X	-.375	-.375	0	%100
100	MP3B	Z	-.65	-.65	0	%100
101	MP4B	X	-.31	-.31	0	%100
102	MP4B	Z	-.537	-.537	0	%100
103	M100	X	-.253	-.253	0	%100
104	M100	Z	-.439	-.439	0	%100
105	M102	X	-.281	-.281	0	%100
106	M102	Z	-.487	-.487	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-.281	-.281	0	%100
110	M112	Z	-.487	-.487	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M124	X	-.31	-.31	0	%100
114	M124	Z	-.537	-.537	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,%]
115	M125	X	-.31	-.31	0	%100
116	M125	Z	-.537	-.537	0	%100
117	M126	X	-.721	-.721	0	%100
118	M126	Z	-1.249	-1.249	0	%100
119	M127	X	-.625	-.625	0	%100
120	M127	Z	-1.083	-1.083	0	%100
121	M128	X	-.721	-.721	0	%100
122	M128	Z	-1.249	-1.249	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	M40	Y	-1.879	-4.428	0	.832
2	M40	Y	-4.428	-7.042	.832	1.665
3	M40	Y	-7.042	-8.256	1.665	2.497
4	M40	Y	-8.256	-6.578	2.497	3.329
5	M40	Y	-6.578	-3.47	3.329	4.162
6	M41	Y	-3.463	-6.545	0	.832
7	M41	Y	-6.545	-8.189	.832	1.665
8	M41	Y	-8.189	-6.9	1.665	2.497
9	M41	Y	-6.9	-4.227	2.497	3.329
10	M41	Y	-4.227	-1.665	3.329	4.162
11	M51B	Y	-1.884	-4.426	0	.832
12	M51B	Y	-4.426	-7.044	.832	1.665
13	M51B	Y	-7.044	-8.26	1.665	2.497
14	M51B	Y	-8.26	-6.573	2.497	3.329
15	M51B	Y	-6.573	-3.462	3.329	4.162
16	M52B	Y	-3.463	-6.545	0	.832
17	M52B	Y	-6.545	-8.189	.832	1.665
18	M52B	Y	-8.189	-6.902	1.665	2.497
19	M52B	Y	-6.902	-4.228	2.497	3.329
20	M52B	Y	-4.228	-1.661	3.329	4.162
21	M64	Y	-1.664	-4.227	0	.832
22	M64	Y	-4.227	-6.899	.832	1.665
23	M64	Y	-6.899	-8.187	1.665	2.497
24	M64	Y	-8.187	-6.544	2.497	3.329
25	M64	Y	-6.544	-3.463	3.329	4.162
26	M65	Y	-3.462	-6.572	0	.832
27	M65	Y	-6.572	-8.261	.832	1.665
28	M65	Y	-8.261	-7.048	1.665	2.497
29	M65	Y	-7.048	-4.428	2.497	3.329
30	M65	Y	-4.428	-1.883	3.329	4.162

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	M40	Y	-4.577	-10.785	0	.832
2	M40	Y	-10.785	-17.15	.832	1.665
3	M40	Y	-17.15	-20.109	1.665	2.497
4	M40	Y	-20.109	-16.021	2.497	3.329
5	M40	Y	-16.021	-8.451	3.329	4.162
6	M41	Y	-8.434	-15.94	0	.832
7	M41	Y	-15.94	-19.944	.832	1.665
8	M41	Y	-19.944	-16.805	1.665	2.497
9	M41	Y	-16.805	-10.295	2.497	3.329
10	M41	Y	-10.295	-4.056	3.329	4.162
11	M51B	Y	-4.59	-10.78	0	.832
12	M51B	Y	-10.78	-17.157	.832	1.665

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,%]
13	M51B	Y	-17.157	-20.119	1.665	2.497
14	M51B	Y	-20.119	-16.01	2.497	3.329
15	M51B	Y	-16.01	-8.431	3.329	4.162
16	M52B	Y	-8.435	-15.94	0	.832
17	M52B	Y	-15.94	-19.944	.832	1.665
18	M52B	Y	-19.944	-16.81	1.665	2.497
19	M52B	Y	-16.81	-10.298	2.497	3.329
20	M52B	Y	-10.298	-4.046	3.329	4.162
21	M64	Y	-4.052	-10.296	0	.832
22	M64	Y	-10.296	-16.804	.832	1.665
23	M64	Y	-16.804	-19.941	1.665	2.497
24	M64	Y	-19.941	-15.939	2.497	3.329
25	M64	Y	-15.939	-8.434	3.329	4.162
26	M65	Y	-8.433	-16.007	0	.832
27	M65	Y	-16.007	-20.12	.832	1.665
28	M65	Y	-20.12	-17.165	1.665	2.497
29	M65	Y	-17.165	-10.784	2.497	3.329
30	M65	Y	-10.784	-4.586	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	Y	Two Way	-.005
2	N7	N6	N87C	N87B	Y	Two Way	-.005
3	N86	N110	N108	N85	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N57	N81	N79	N56	Y	Two Way	-.013
2	N7	N6	N87C	N87B	Y	Two Way	-.013
3	N86	N110	N108	N85	Y	Two Way	-.013

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....		LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn
1	M1	PIPE_3.0	.173	3.125	4	.068	8.073		6	28250...	65205	5.749	5.749	1... H1-1b
2	M4	HSS4X4X4	.174	2.972	1	.078	2.972	y	14	12465...	139518	16.181	16.181	1... H1-1b
3	M10	HSS4X4X4	.147	2.375	13	.048	.223	z	1	13626...	139518	16.181	16.181	1... H1-1b
4	MP1A	PIPE_2.0	.317	4.563	10	.151	1.125		8	20866...	32130	1.872	1.872	1... H1-1b
5	M43	HSS4X4X4	.145	0	24	.060	0	y	20	13626...	139518	16.181	16.181	1... H1-1b
6	M46	PL3/8x6	.244	.516	1	.134	.516	y	15	36285...	72900	.57	9.113	1... H1-1b
7	M51B	L2x2x2	.217	0	1	.016	4.162	y	17	6739.6...	15908.4	.403	.669	1... H2-1
8	M52B	L2x2x2	.257	0	12	.015	0	y	14	6739.6...	15908.4	.403	.704	1... H2-1
9	M76	PL3/8x6	.321	0	7	.156	0	y	20	70647....	72900	.57	9.045	1... H1-1b
10	M77	PL3/8x6	.312	.167	7	.259	0	y	24	71583....	72900	.57	9.1	1... H1-1b
11	M80	PL3/8x6	.089	.112	1	.168	0	y	11	72302....	72900	.57	9.113	1... H1-1b
12	M84	PL3/8x6	.186	0	10	.183	0	y	14	70647....	72900	.57	9.113	1... H1-1b
13	M85	PL3/8x6	.325	.167	6	.269	0	y	22	71583....	72900	.57	9.113	1... H1-1b
14	M91	PL3/8x6	.090	.112	8	.311	0	y	14	72302....	72900	.57	9.113	2... H1-1b
15	M34	HSS4X4X4	.168	2.972	9	.075	2.972	y	22	12465...	139518	16.181	16.181	1... H1-1b
16	M35	HSS4X4X4	.145	2.375	21	.048	.223	z	9	13626...	139518	16.181	16.181	1... H1-1b
17	M36	HSS4X4X4	.144	0	20	.062	0	y	16	13626...	139518	16.181	16.181	1... H1-1b
18	M37	PL3/8x6	.249	.516	10	.127	.516	y	23	36285...	72900	.57	9.113	1... H1-1b
19	M40	L2x2x2	.226	0	10	.016	4.162	y	13	6739.6...	15908.4	.403	.698	1... H2-1
20	M41	L2x2x2	.244	0	8	.015	0	y	22	6739.6...	15908.4	.403	.704	1... H2-1

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	Loc.....		LC	phi*Pn...	phi*Pn...	phi*Mn...	phi*Mn.....	Eqn
21	M45	PL3/8x6	.309	0	9	.144	0	y	16	70647....	72900	.57	9.113	1... H1-1b
22	M46A	PL3/8x6	.301	.167	3	.247	0	y	20	71583....	72900	.57	9.113	1... H1-1b
23	M48	PL3/8x6	.087	.112	9	.167	0	y	7	72302....	72900	.57	9.113	1... H1-1b
24	M50A	PL3/8x6	.208	0	6	.177	0	y	22	70647....	72900	.57	9.113	1... H1-1b
25	M51C	PL3/8x6	.318	.167	2	.275	0	y	18	71583....	72900	.57	9.113	1... H1-1b
26	M53	PL3/8x6	.090	.112	10	.316	0	y	46	72302....	72900	.57	9.113	1... H1-1b
27	M58A	HSS4X4X4	.177	2.972	5	.074	2.972	y	18	12465...	139518	16.181	16.181	1... H1-1b
28	M59A	HSS4X4X4	.149	2.375	17	.050	.223	z	5	13626...	139518	16.181	16.181	1... H1-1b
29	M60	HSS4X4X4	.154	0	16	.062	0	y	24	13626...	139518	16.181	16.181	1... H1-1b
30	M61	PL3/8x6	.248	.516	6	.123	.516	y	19	36285....	72900	.57	9.113	1... H1-1b
31	M64	L2x2x2	.229	0	6	.016	4.162	y	21	6739.6...	15908.4	.403	.704	1... H2-1
32	M65	L2x2x2	.256	0	4	.015	0	y	24	6739.6...	15908.4	.403	.698	1... H2-1
33	M69	PL3/8x6	.329	0	11	.155	0	y	24	70647....	72900	.57	9.113	1... H1-1b
34	M70	PL3/8x6	.320	.167	11	.257	0	y	16	71583....	72900	.57	9.113	1... H1-1b
35	M72	PL3/8x6	.094	.112	5	.164	0	y	4	72302....	72900	.57	9.113	1... H1-1b
36	M74	PL3/8x6	.167	0	2	.179	0	y	18	70647....	72900	.57	9.113	1... H1-1b
37	M75	PL3/8x6	.324	.167	11	.287	0	y	14	71583....	72900	.57	9.113	1... H1-1b
38	M77A	PL3/8x6	.093	.112	6	.319	0	y	6	72302....	72900	.57	9.113	1... H1-1b
39	MP2A	PIPE_2.0	.464	4.563	4	.072	2.75		5	20866....	32130	1.872	1.872	1... H1-1b
40	MP3A	PIPE_2.5	.318	4.563	4	.118	2.75		2	37773....	50715	3.596	3.596	1... H1-1b
41	MP4A	PIPE_2.0	.276	4.563	10	.151	1.125		7	20866....	32130	1.872	1.872	1... H1-1b
42	M81A	PIPE_3.0	.179	9.375	12	.068	8.203		4	28250....	65205	5.749	5.749	1... H1-1b
43	MP1C	PIPE_2.0	.341	4.563	6	.142	4.563		4	20866....	32130	1.872	1.872	1... H1-1b
44	MP2C	PIPE_2.0	.480	4.563	12	.071	2.75		1	20866....	32130	1.872	1.872	1... H1-1b
45	MP3C	PIPE_2.5	.324	4.563	6	.123	4.563		5	37773....	50715	3.596	3.596	1... H1-1b
46	MP4C	PIPE_2.0	.291	4.563	6	.142	1.125		4	20866....	32130	1.872	1.872	1... H1-1b
47	M90	PIPE_3.0	.171	9.375	7	.069	8.203		12	28250....	65205	5.749	5.749	1... H1-1b
48	MP1B	PIPE_2.0	.315	4.563	1	.153	1.125		6	20866....	32130	1.872	1.872	1... H1-1b
49	MP2B	PIPE_2.0	.450	4.563	8	.066	2.75		3	20866....	32130	1.872	1.872	1... H1-1b
50	MP3B	PIPE_2.5	.318	4.563	8	.123	2.75		6	37773....	50715	3.596	3.596	1... H1-1b
51	MP4B	PIPE_2.0	.266	4.563	2	.146	1.125		5	20866....	32130	1.872	1.872	1... H1-1b
52	M100	PIPE_2.0	.093	2	1	.018	2		1	28843....	32130	1.872	1.872	1... H1-1b
53	M102	PIPE_2.5	.251	2.995	6	.112	1.042		8	14558....	50715	3.596	3.596	1... H1-1b
54	M107	PIPE_2.5	.238	9.505	3	.112	11....		4	14558....	50715	3.596	3.596	2... H1-1b
55	M112	PIPE_2.5	.237	9.505	4	.111	11....		12	14558....	50715	3.596	3.596	1... H1-1b
56	M123	L3X3X4	.332	.998	8	.092	0	z	12	45638....	46656	1.688	3.756	1... H2-1
57	M124	L3X3X4	.330	.998	4	.090	0	z	8	45638....	46656	1.688	3.756	1... H2-1
58	M125	L3X3X4	.332	.998	6	.092	.998	z	4	45638....	46656	1.688	3.756	1... H2-1
59	M126	LL3x3x3x3	.084	5.618	13	.005	5.618	z	4	47413....	70632	5.543	3.751	1 H1-1b*
60	M127	LL3x3x3x3	.081	5.618	21	.005	0	z	12	47413....	70632	5.543	3.751	1 H1-1b*
61	M128	LL3x3x3x3	.083	5.618	17	.005	0	z	8	47413....	70632	5.543	3.751	1 H1-1b*

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	1018.056	11	856.283	8	4611.711	1	.717	8	1.595	4	.378	12
2		min	-1000.931	5	-707.878	2	-3564.579	7	-.516	2	-1.628	10	-.531	6
3	N54	max	3644.667	9	789.748	4	1906.491	2	.542	9	1.484	12	.46	11
4		min	-2730.769	3	-722.684	10	-2400.798	8	-.752	3	-1.444	6	-.506	5
5	N83	max	3098.516	11	825.56	12	1581.868	11	.387	8	1.42	8	.855	11
6		min	-4038.359	5	-753.373	6	-2113.255	5	-.331	2	-1.447	2	-.649	5
7	N224	max	54.839	10	3392.46	13	399.045	7	0	51	0	4	0	10
8		min	-54.512	4	-712.256	7	-2080.83	13	0	1	0	10	0	4
9	N225	max	295.117	3	3286.981	21	1009.968	22	0	6	0	12	0	12
10		min	-1744.452	21	-620.093	3	-186.974	4	0	12	0	6	0	6
11	N226A	max	1772.289	17	3338.122	17	1023.318	17	0	8	0	8	0	8

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
12		min	-348.496	11	-717.422	11	-201.001	11	0	2	0	2	0	2
13	Totals:	max	5776.539	10	8881.739	14	5873.756	1						
14		min	-5776.542	4	3107.263	8	-5873.751	7						

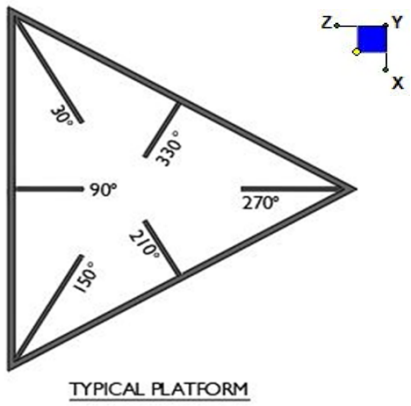
Client:	Verizon Wireless	Date:	6/25/2021
Site Name:	Ashford West 2CT		
Project No.	20777637A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

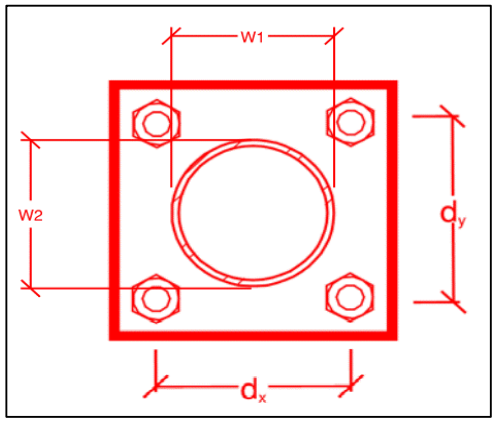
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N3	270
N83	150
N54	30



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):	7.3
Required Shear Strength (kips):	3.0
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**8.8%***
Shear Capacity Overall:	**6.0%**



**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):	0.97
Plate Bending Capacity:	**13.0%**
Weld Capacity:	**23.2%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	4.1
Phi*Mn_{xx} *(kip-in)* :	45.6
Mu_{yy} *(kip-in)* :	1.8
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 36” long P2.0 STD mount pipe on standoff arm in beta sector. Attach the proposed mount pipe to the standoff with crossover plate (Site Pro 1 Part #: SQCX4-K or EOR approved equivalent). Install mount pipe with 24" above the standoff and 12" below. Contractor shall attach proposed OVP 12” from the top of mount pipe. Contractor to ensure the proposed and existing mount connections do not nor will not interfere with the safety climb wire rope. Contractor to install safety climb wire rope guides as necessary.

Response:

Schedule A – Photo & Document File Structure

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

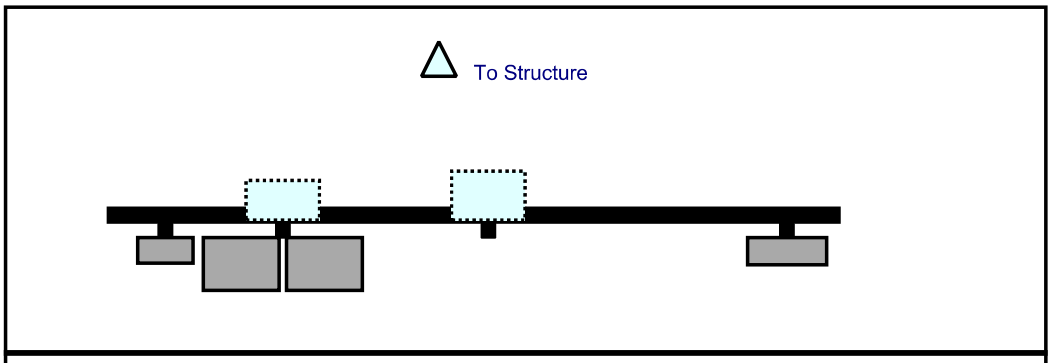
Structure: 469295-VZW - Ashford West 2

Sector: **A** 6/25/2021

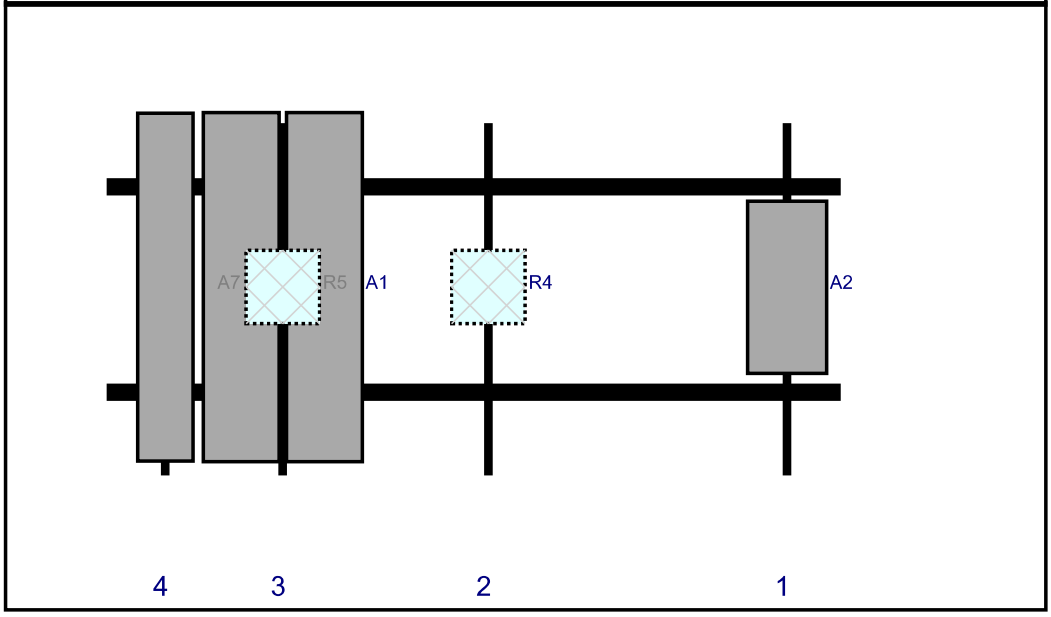
Structure Type: Monopole 10073454

Mount Elev: 125.20 Page: 1

Plan View



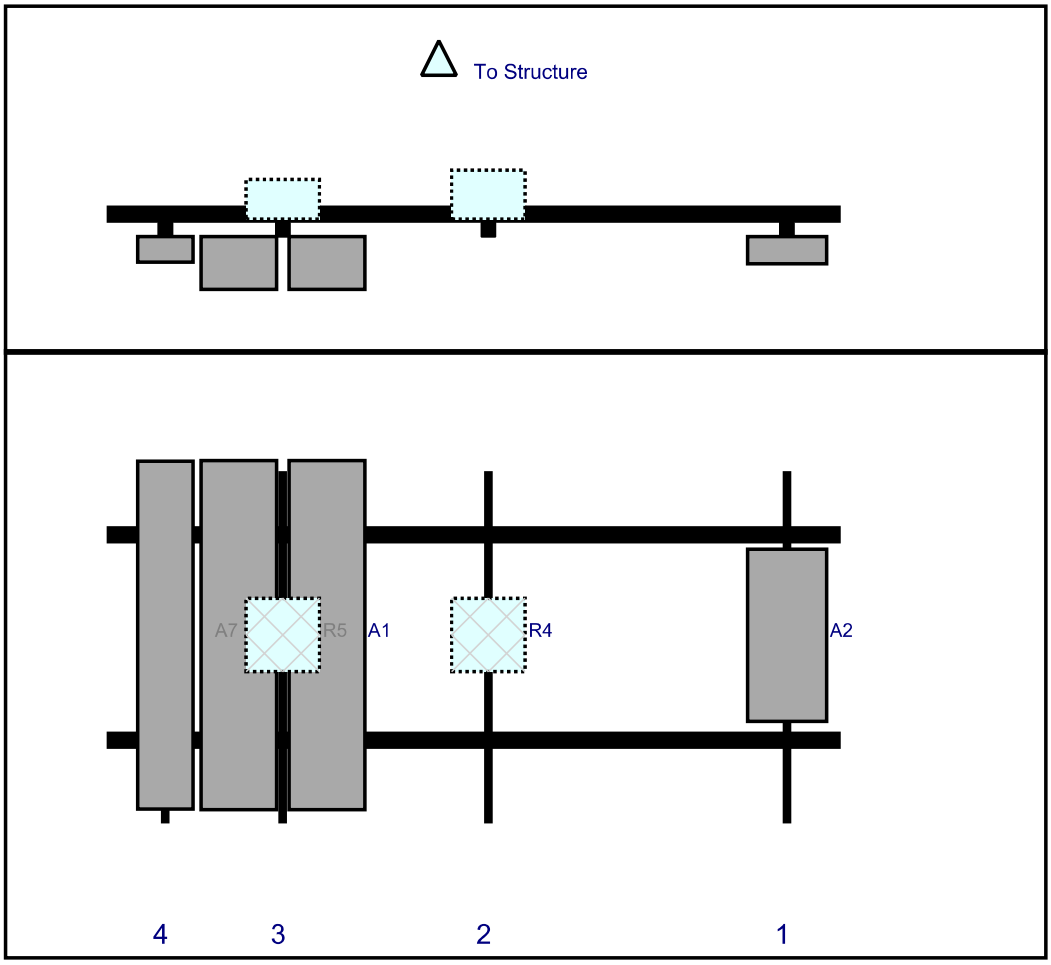
Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	MT6407-77A	35.1	16.1	139	1	a	Front	33.48	0	Added	
R4	B2/B66A RRH-BR049	15	15	78	2	a	Behind	33.48	0	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	a	Front	33.48	8.5	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	33.48	-8.5	Added	
R5	B5/B13 RRH-BR04C	15	15	36	3	a	Behind	33.48	0	Added	
A7	BXA-70063-6CF-4	71	11.2	12	4	a	Front	33.48	0	Added	

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
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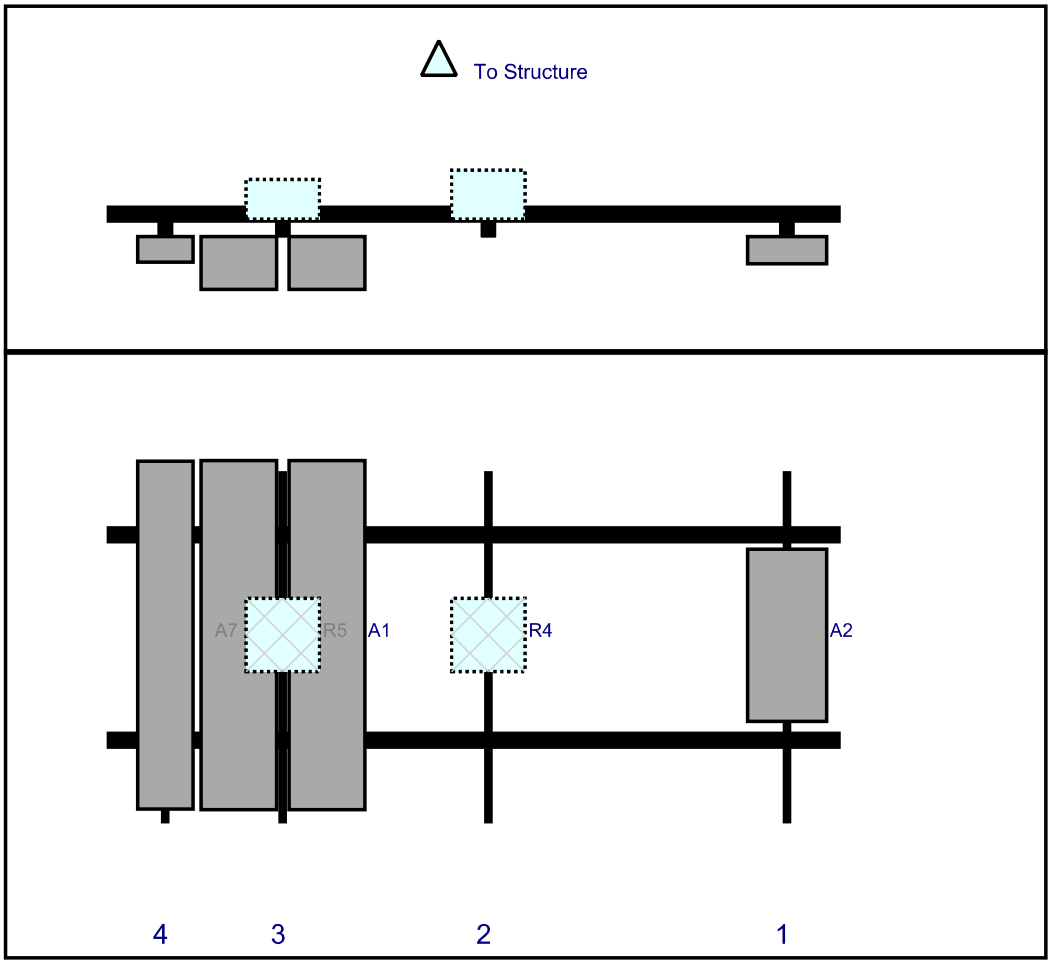
R4	B2/B66A RRH-BR049	15	15	78	2	a	Behind	33.48	0	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	a	Front	33.48	9	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	33.48	-9	Added	
R5	B5/B13 RRH-BR04C	15	15	36	3	a	Behind	33.48	0	Added	
A7	BXA-70063-6CF-4	71	11.2	12	4	a	Front	33.48	0	Added	

Plan View

Front View
Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A2	MT6407-77A	35.1	16.1	139	1	a	Front	33.48	0	Added	
R4	B2/B66A RRH-BR049	15	15	78	2	a	Behind	33.48	0	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	a	Front	33.48	9	Added	
A1	MX06FRO660-03	71.3	15.4	36	3	b	Front	33.48	-9	Added	
R5	B5/B13 RRH-BR04C	15	15	36	3	a	Behind	33.48	0	Added	
A7	BXA-70063-6CF-4	71	11.2	12	4	a	Front	33.48	0	Added	

Maser Consulting Connecticut

Subject		TIA-222-H Usage
Site Information	Site ID:	469295-VZW / Ashford West 2
	Site Name:	Ashford West 2
	Carrier Name:	Verizon Wireless
	Address:	90 Knowlton Hill Road Ashford, Connecticut 06278 Windham County
	Latitude:	41.840778°
	Longitude:	-72.207528°
Structure Information	Tower Type:	150.00-Ft Monopole
	Mount Type:	12.50-Ft Platform

To Whom It May Concern,

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

The 2015 International Building Code states that, in Section 3108, telecommunication towers shall be designed and constructed in accordance with the provisions of TIA-222. The TIA-222-H is the latest revision of the TIA-222 Standard, effective as of January 01, 2018.

As with all ANSI standards and engineering best practice is to apply the most current revision of the standard. This ensures the engineer is applying all updates. As an example, the TIA-222-H standard includes updates to bring it in line with the latest AISC and ACI standards and it also incorporates the latest wind speed map 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 method, seismic analysis, 30-degree increment wind direction and maintenance loading. Therefore, it is our opinion that TIA-222-H is the most appropriate standard for antenna mount structural analysis and is acceptable for use at this site to ensure the engineer is taking into account the most current engineering standard available.

Sincerely,

Derek Hartzell, PE
Technical Specialist

PROJECT NOTES

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

verizon

MOUNT MODIFICATION DRAWINGS
EXISTING 12.50' PLATFORM

SITE NAME: ASHFORD WEST 2 CT
SITE NUMBER: 469295

90 KNOWLTON HILL ROAD
ASHFORD, CT 06278
WINDHAM COUNTY

PROJECT INFORMATION

SITE INFORMATION

LATITUDE:	41.840778° N
LONGITUDE:	72.207528° 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:	GREG DULNIK
PHONE:	(615) 686-2575
E-MAIL:	GREG.DULNIK@COLLIERSENGINEERING.COM

SHEET INDEX

SHEET	DESCRIPTION
T-1	TITLE SHEET
S-1	BILL OF MATERIALS
S-2	MODIFICATION NOTES
S-3	MODIFICATION NOTES
S-4	MODIFICATION DETAILS
S-5	MODIFICATION DETAILS
S-6	MODIFICATION DETAILS
S-7	MOUNT PHOTOS
	SPECIFICATION SHEETS

CONTRACTOR PMI REQUIREMENTS

PMI LOCATION:	HTTPS://PMI.VZWSMART.COM
SMART TOOL PROJECT #:	10081961
VZW LOCATION CODE (PSLC):	469295
FUZE ID:	16272111

PMI REQUIREMENTS EMBEDDED WITHIN MOUNT MODIFICATION REPORT

REFERENCED DOCUMENTS

FAILING MOUNT ANALYSIS REPORT

SMART TOOL PROJECT #:	10073454
MASER CONSULTING PROJECT #:	20777637A
ANALYSIS DATE:	6/23/2021

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verizon

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Know what's below. Call before you dig.
FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT: WWW.CALL811.COM

SCALE: AS SHOWN | JOB NUMBER: 20777637A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
-	-	-	-	-
-	-	-	-	-
1	6/24/2021	ISSUED FOR CONSTRUCTION	FAC	DH
0	4/29/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Derek R. Hartzell
32710
MASER CONSULTING CONNECTICUT
CT C.O.A. NO. PEC.0001021
STATE OF CONNECTICUT · DEREK R. HARTZELL · 32710 · REGISTERED PROFESSIONAL ENGINEER
Digitally signed by Derek R. Hartzell
Date: 2021.06.25 14:21:29-04'00'

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:
ASHFORD WEST 2 CT
469295

90 KNOWLTON HILL ROAD
ASHFORD, CT 06278
WINDHAM COUNTY

*1 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	
3		VZWSMART-MSK2	CROSSOVER PLATE	

OTHER REQUIRED PARTS				
QUANTITY	MANUFACTURER	PART NUMBER	DESCRIPTION	NOTES
1	-	-	36" LONG, P2.0 STD	GALVANIZED
1	SITE PRO 1	SQCX4-K	CROSSOVER PLATE KIT W/SQUARE U-BOLTS AND STD. U-BOLTS	OR EOR APPROVED EQUAL. CONTACT MASER CONSULTING FOR APPROVAL OF SUBSTITUTION.
3	-	-	72" LONG, P2.5 STD	GALVANIZED

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

VZWSMART KITS - APPROVED VENDORS

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

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

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1	6/24/2021	ISSUED FOR CONSTRUCTION	FAC	DH
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[redacted]
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469295

90 KNOWLTON HILL ROAD
ASHFORD, CT 06278
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 C

c. TOPOGRAPHIC CATEGORY 1

d. MEAN BASE ELEVATION (AMSL) = 660.19'

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 = .055

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

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STATE OF CONNECTICUT DEREK R. HARTZELL LICENSED PROFESSIONAL ENGINEER
Digitally signed by Derek R. Hartzell
Date: 2021.06.25 14:21:35-04'00'

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2000 Midlantic Drive
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Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

MODIFICATION INSPECTION NOTES

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

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

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

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

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

MI INSPECTOR

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

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

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

GENERAL CONTRACTOR

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

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

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

RECOMMENDATIONS

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

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

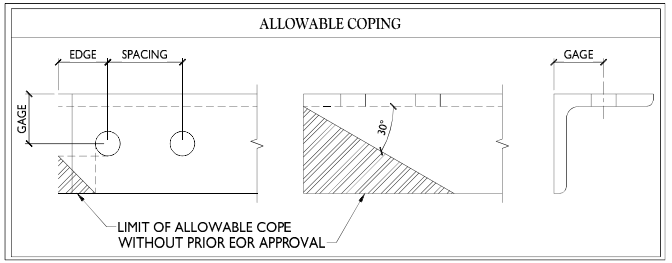
- CORRECT FAILING ISSUES TO COMPLY WITH THE SPECIFICATIONS CONTAINED IN THE ORIGINAL CONTRACT DOCUMENTS AND COORDINATE A SUPPLEMENT MI.

REQUIRED PHOTOS

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

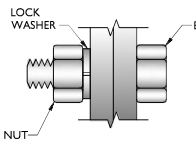
- PRE-CONSTRUCTION GENERAL SITE CONDITION
- PHOTOGRAPHS DURING THE REINFORCEMENT MODIFICATION CONSTRUCTION/ERECTION AND INSPECTION
  - RAW MATERIALS
  - PHOTOS OF ALL CRITICAL DETAILS
  - FOUNDATION MODIFICATIONS
  - WELD PREPARATION
  - BOLT INSTALLATION
  - FINAL INSTALLED CONDITION
  - SURFACE COATING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

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



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

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



TYP. BOLT ASSEMBLY

NOTES:

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

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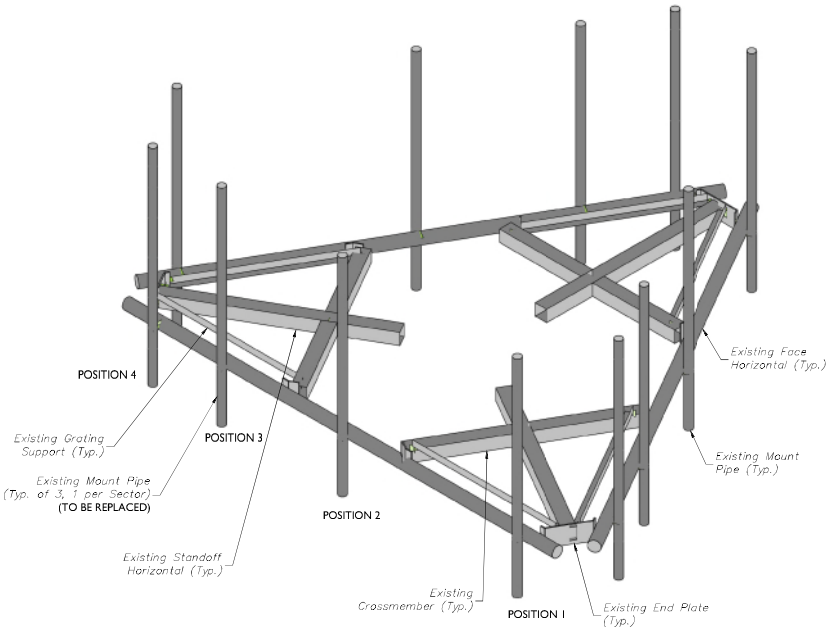
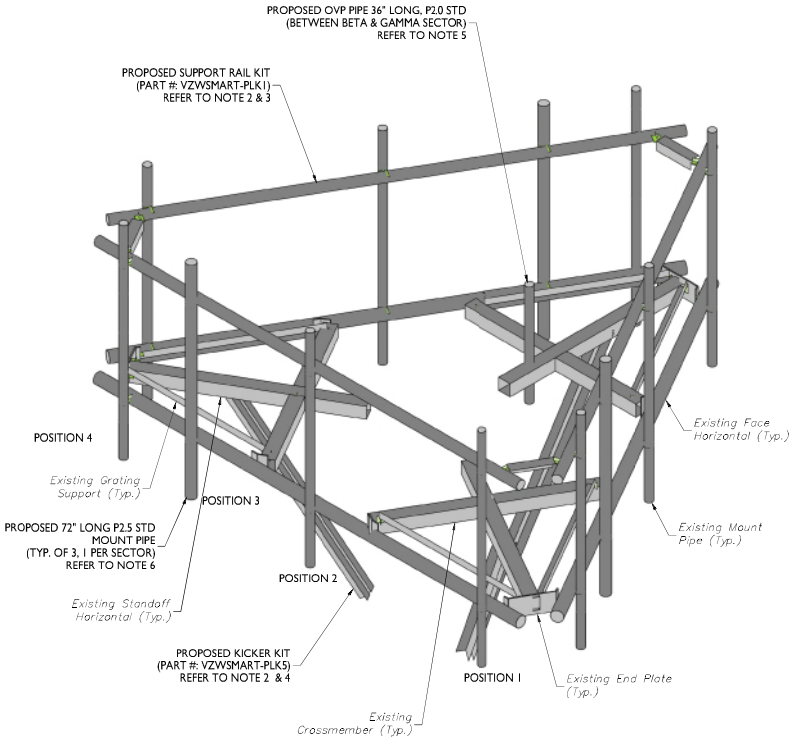
SHEET TITLE: MODIFICATION NOTES

SHEET NUMBER: S-3



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 2/1/2021, THE SAFETY CLIMB AND CLIMBING FACILITIES UP TO THE VERIZON MOUNT ELEVATION (125'-2") ARE IN GOOD CONDITION. MASER DOES NOT WARRANT THIS INFORMATION.
2. INSTALL SHALL NOT CAUSE HARM TO THE STRUCTURE, CLIMBING FACILITY, SAFETY CLIMB, OR ANY SYSTEM INSTALLED ON THE STRUCTURE. *TIMELY* NOTICE AND DOCUMENTATION SHALL BE PROVIDED BY CONTRACTORS TO THE EOR (OF STRUCTURAL DESIGN) IF AN OBSTRUCTION WAS REQUIRED TO MEET THE RF SYSTEM DESIGN REQUIREMENTS AND PERFORMANCES.

MODIFICATION NOTES:

1. MOUNT MEMBERS NOT SHOWN FOR CLARITY U.N.O.
2. 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 PIPE 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).
5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
6. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTALS USING CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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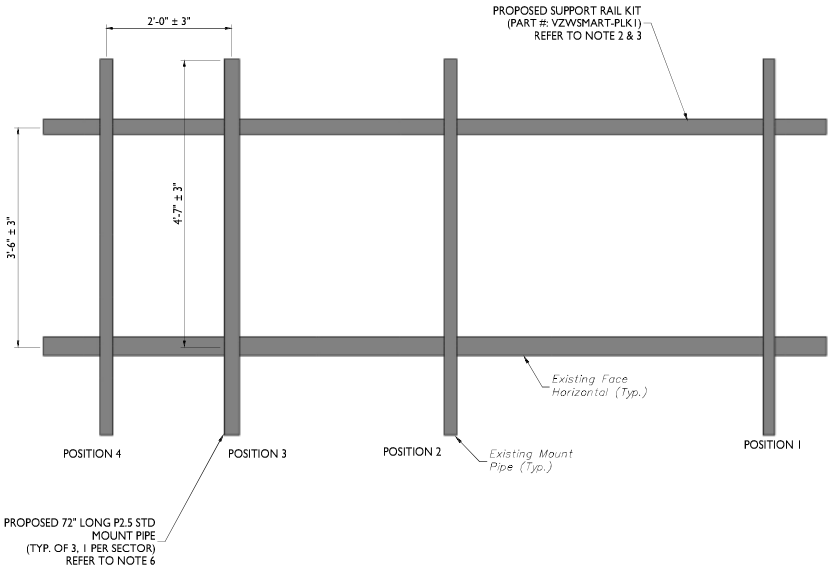
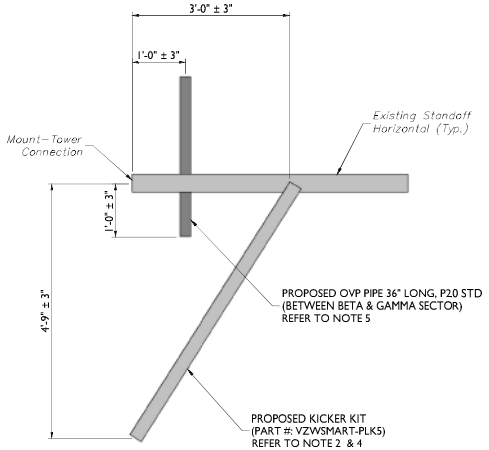
SHEET TITLE:
MODIFICATION DETAILS

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 PIPE 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).
5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
6. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTALS USING CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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

SCALE:	JOB NUMBER:
AS SHOWN	20777637A

REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	6/24/2021	ISSUED FOR CONSTRUCTION	FAC	EH
0	4/29/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER
MASER CONSULTING, CT C.O.A. NO. PEC.0001211

Digitally signed by Derek R. Hartzell
Date: 2021.06.25 14:21:36-04'00'

SITE NAME:

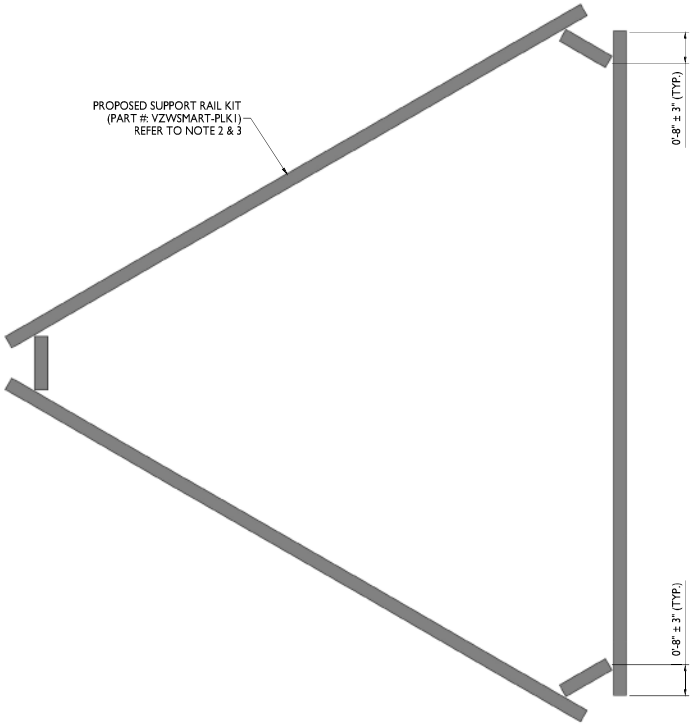
ASHFORD WEST 2 CT
469295

90 KNOWLTON HILL ROAD
ASHFORD, CT 06278
WINDHAM COUNTY

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

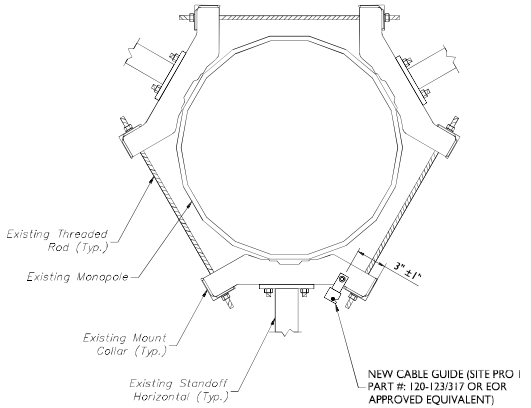
SHEET TITLE:
MODIFICATION DETAILS

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 PIPE AS SHOWN. EOR SHALL BE NOTIFIED IF EQUIPMENT NEEDS TO BE RELOCATED TO ANOTHER MOUNT PIPE.
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5. CONNECT NEW OVP PIPE TO EXISTING STANDOFF HORIZONTAL WITH CROSSOVER PLATES (PART #: SITE PRO 1 - SQCX4-K, OR EOR APPROVED EQUAL).
6. CONNECT NEW MOUNT PIPE TO EXISTING HORIZONTALS USING CROSSOVER PLATES (PART #: VZWSMART-MSK2).

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NEW MEXICO, MARYLAND, GEORGIA, TEXAS, TENNESSEE, COLORADO

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REV	DATE	DESCRIPTION	DRAWN BY	CHECKED BY
1	6/24/2021	ISSUED FOR CONSTRUCTION	FAC	DH
0	4/29/2021	ISSUED FOR CONSTRUCTION	FAC	ASN

Digitally signed by Derek R. Hartzell
Date: 2021.06.25 14:21:37-04'00'

SITE NAME:

ASHFORD WEST 2 CT
469295

90 KNOWLTON HILL ROAD
ASHFORD, CT 06278
WINDHAM COUNTY

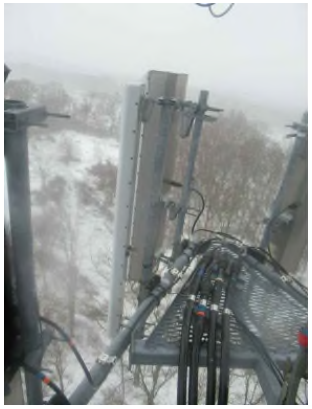
*1 LAUREL OFFICE
2000 Midlantic Drive
Suite 100
*Mount Laurel, NJ 08054
Phone: 856.797.0412
Fax: 856.722.1120

SHEET TITLE:
MODIFICATION DETAILS

SHEET NUMBER:
S-6

MOUNT PHOTO 1

MOUNT PHOTO 2



MOUNT PHOTO 3

MOUNT PHOTO 4

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STATE OF CONNECTICUT
DEREK R. HARTZELL
32710
LICENSED PROFESSIONAL ENGINEER

Digitally signed by Derek R. Hartzell
Date: 2021.06.25 14:21:38-04'00'

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:

ASHFORD WEST 2 CT
469295

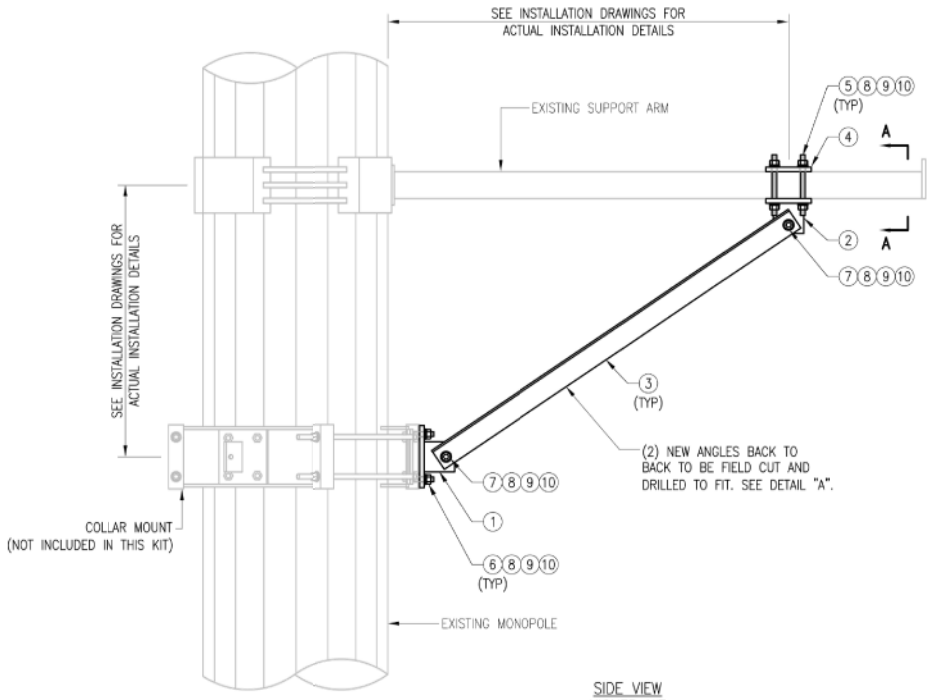
90 KNOWLTON HILL ROAD
ASHFORD, CT 06278
WINDHAM COUNTY

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

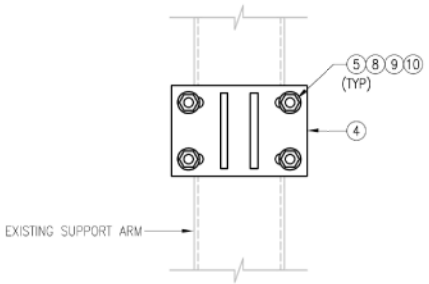
SHEET TITLE:
MOUNT PHOTOS

SHEET NUMBER:
S-7

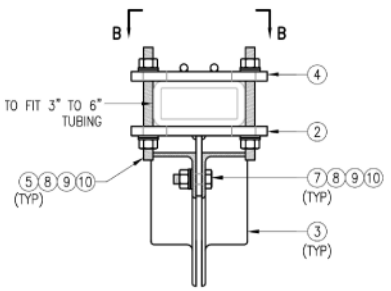
NOTE:
THE LOCATION OF KICKER AND EXISTING ANTENNA MOUNT SHOWN ON THE DRAWING IS FOR REPRESENTATION PURPOSE ONLY. SEE INSTALLATION DRAWINGS FOR ACTUAL INSTALLATION OF DETAILS.



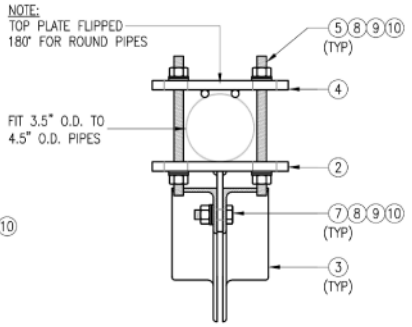
SIDE VIEW
KICKER KIT



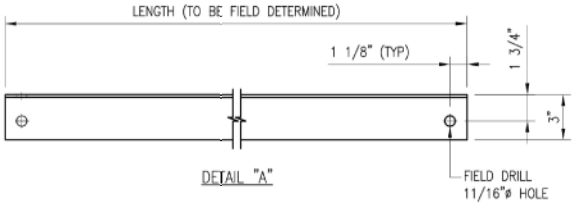
SECTION "B-B"



SECTION "A-A"
RECT. HSS MOUNTING



SECTION "A-A"
ROUND PIPE MOUNTING



DETAIL "A"

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

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

VzW SMART Tool© Vendor

verizon

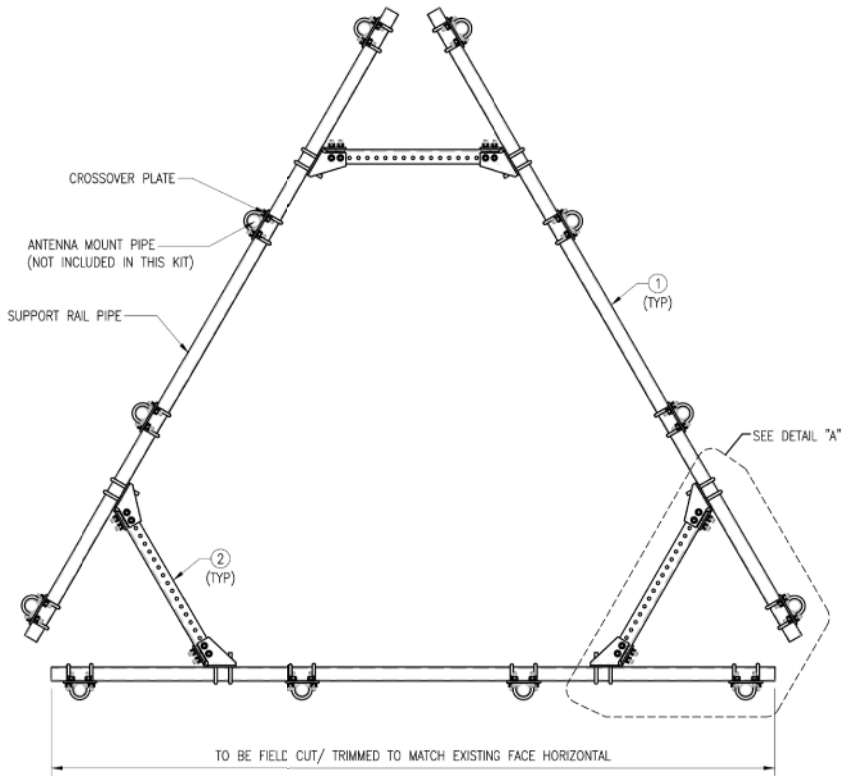
DRAWN BY: MN | CHECKED BY: HMA/KW

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

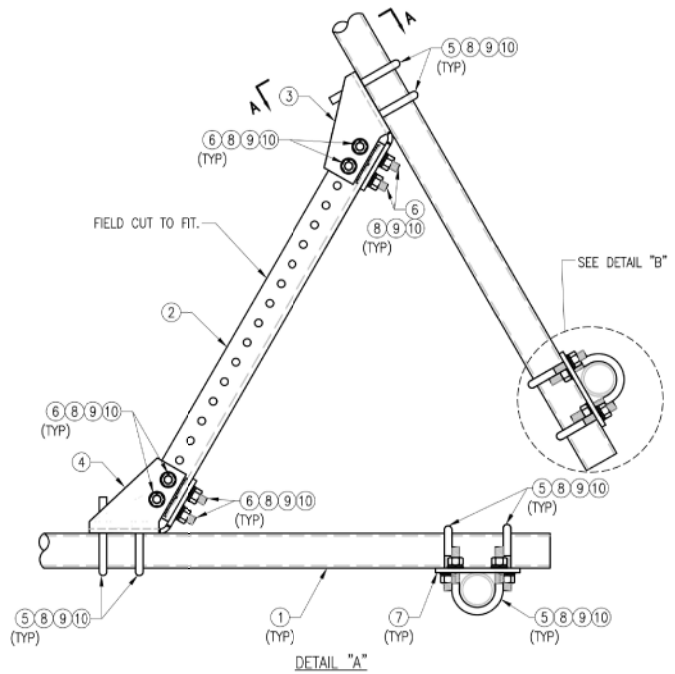
SHEET TITLE:
VZWSMART-PLK5
KICKER KIT

SHEET NUMBER: VZWSMART-PLK5

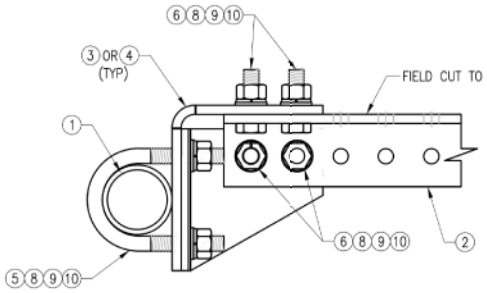
REV #: 0



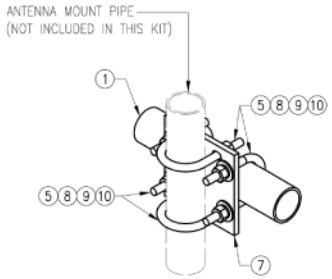
PLAN VIEW



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

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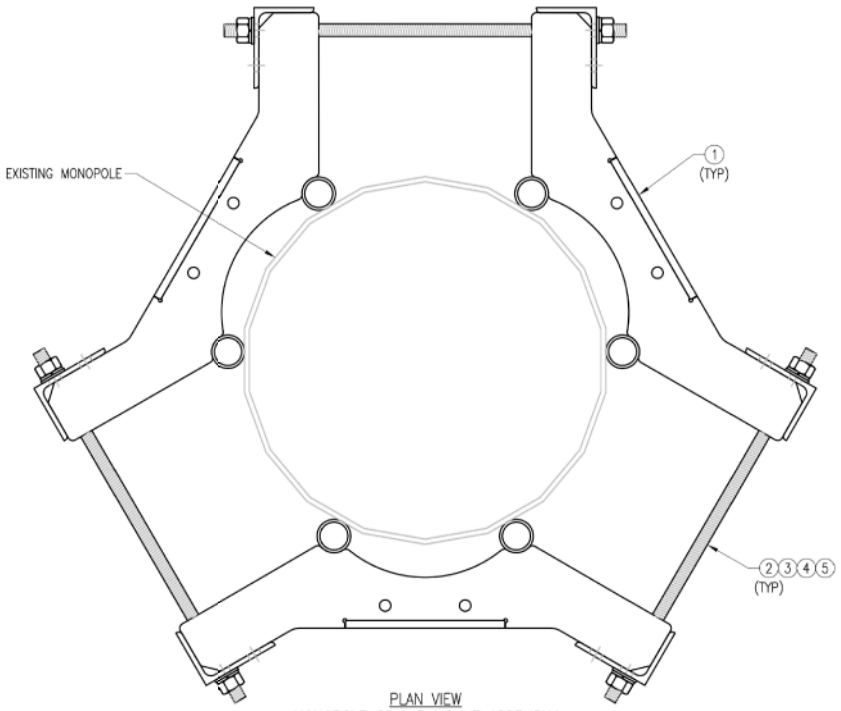
DRAWN BY: H.R | CHECKED BY: HMA

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

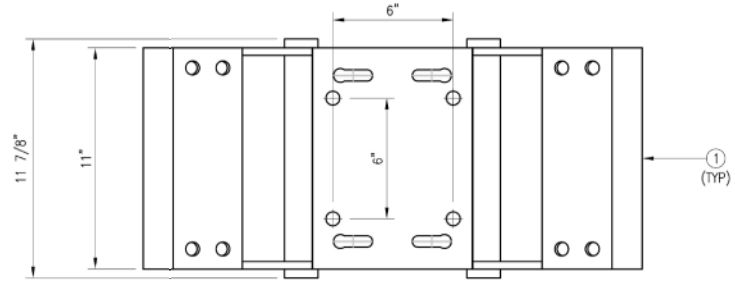
SHEET TITLE:
VZWSMART-PLK1
SUPPORT RAIL KIT

SHEET NUMBER: VZWSMART-PLK1

REV #: 0



PLAN VIEW
MONOPOLE COLLAR MOUNT ASSEMBLY



FRONT VIEW

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

VZWSMART-PLK7 (MONOPOLE COLLAR MOUNT ASSEMBLY)

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

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verizon

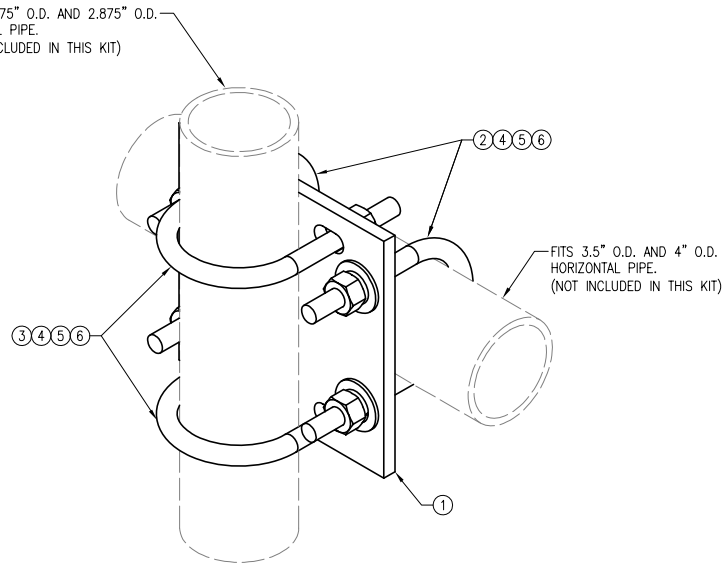
DRAWN BY: BT | CHECKED BY: HMA/KW

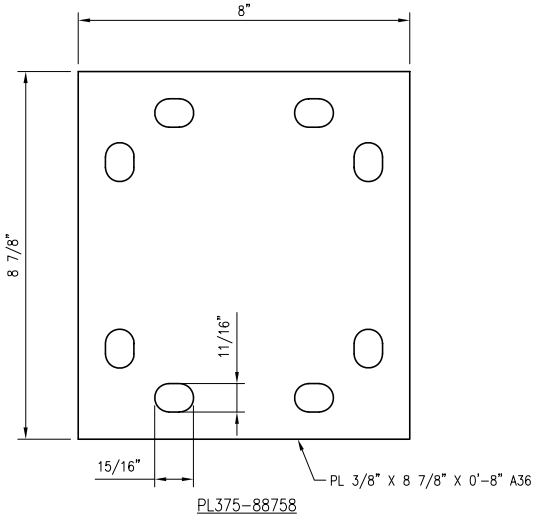
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	BT	05/11/20

SHEET TITLE:
VZWSMART-PLK7
MONOPOLE COLLAR
MOUNT ASSEMBLY

SHEET NUMBER: VZWSMART-PLK7

REV #: 0





PL375-88758

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

VZWSMART-MSK2 (CROSSOVER PLATE)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	SHEET #	WT
1	1	PL375-88758	PL 3/8" X 8 3/4" X 0'-8" A36	MSK2-F1	8
2	2	MS02-625-4125-600	RU-BOLT 5/8" X 4 1/8" I.W. X 6" I.L. A36 (OR EQUIV.)	RBC-1	3
3	2	MS02-625-300-500	RU-BOLT 5/8" X 3" I.W. X 5" I.L. A36 (OR EQUIV.)	RBC-1	3
4	8	FW-625	5/8" HDG USS FLAT WASHER	---	1
5	8	LW-625	5/8" HDG LOCK WASHER	---	0
6	8	NUT-625	5/8" HDG HEX NUT	---	1
				GALVANIZED WT	15

VzW SMART Tool© Vendor

verizon

DRAWN BY: H.R | CHECKED BY: HMA

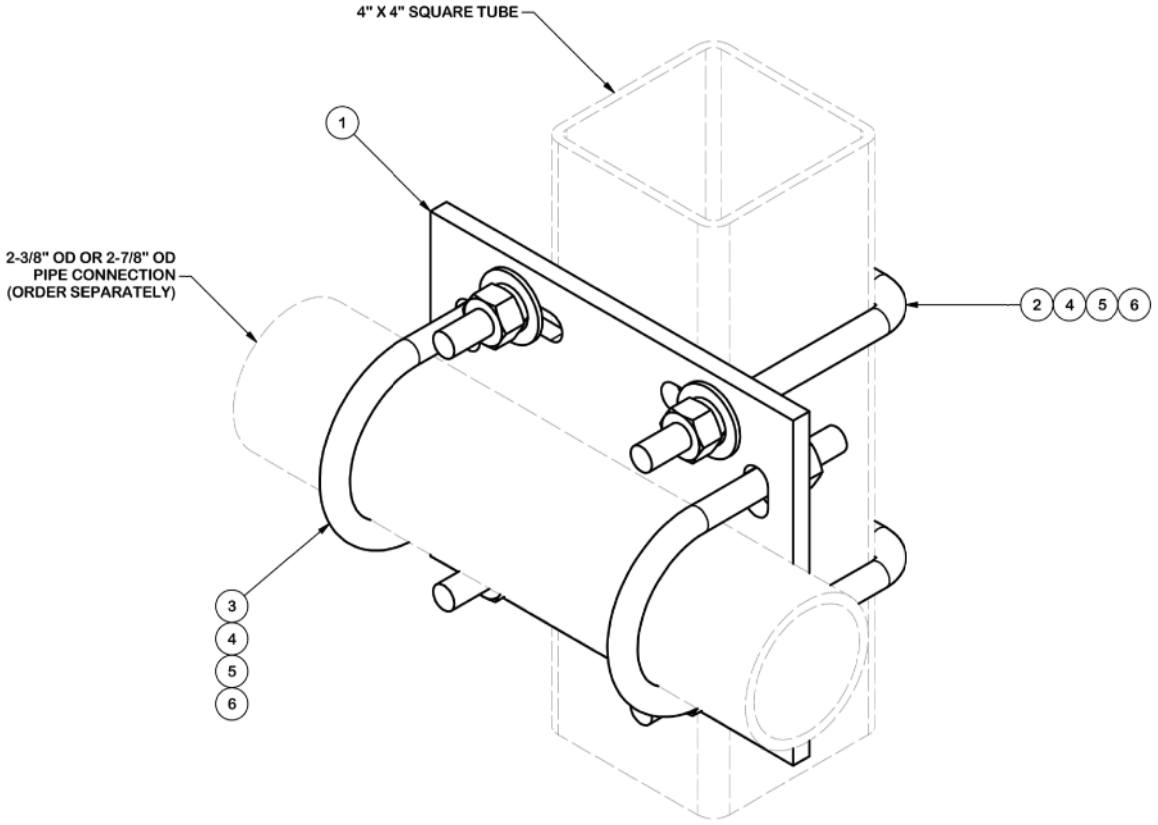
REV.	DESCRIPTION	BY	DATE
0	FIRST ISSUE	H.R	05/08/20

SHEET TITLE:
VZWSMART-MSK2
CROSSOVER PLATE

SHEET NUMBER: VZWSMART-MSK2

REV #: 0

ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX4	CROSSOVER PLATE	8 1/2 in	6.02	6.02
2	2	X-SUB1418	SQUARE U-BOLT 0.5" DIA. X 4.125" IW X 6" IL X 3" TR		0.98	1.95
3	2	X-UB1212	1/2" X 2-1/2" X 4-1/2" X 2" U-BOLT (HDG.)		0.60	1.19
3	2	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.67	1.34
4	8	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.27
5	8	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.11
6	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	11.35



TOLERANCE NOTES

TOLERANCES ON DIMENSIONS, UNLESS OTHERWISE NOTED ARE:
SAWED, SHEARED AND GAS CUT EDGES (± 0.030")
DRILLED AND GAS CUT HOLES (± 0.030") - NO CONING OF HOLES
LASER CUT EDGES AND HOLES (± 0.010") - NO CONING OF HOLES
BENDS ARE ± 1/2 DEGREE
ALL OTHER MACHINING (± 0.030")
ALL OTHER ASSEMBLY (± 0.060")

DESCRIPTION
CROSSOVER PLATE KIT
W/ SQUARE U-BOLTS AND STD. U-BOLTS

SITE PRO 1 — A valmont COMPANY

Engineering Support Team: 1-888-753-7446

Locations:
New York, NY
Atlanta, GA
Los Angeles, CA
Plymouth, IN
Salem, OR
Dallas, TX

CPD NO.	DRAWN BY	ENG. APPROVAL	PART NO.
	CSL 9/18/2018	3RD PARTY	SQCX4-K

CLASS	SUB	DRAWING USAGE	CHECKED BY	DWG. NO.
87	02	CUSTOMER	BMC 11/12/2018	SQCX4-K

ATTACHMENT 5

Parcels (1)

CT-003-43-E-4+

House Image

Owner Name:KNOWLTON THOMAS E

Street Address: 92 KNOWLTON HILL RD

Town: Ashford

Appraised Value: 295943

I want to...

CT-003-43-E-4+

Image

Parcel Report Abutters Report

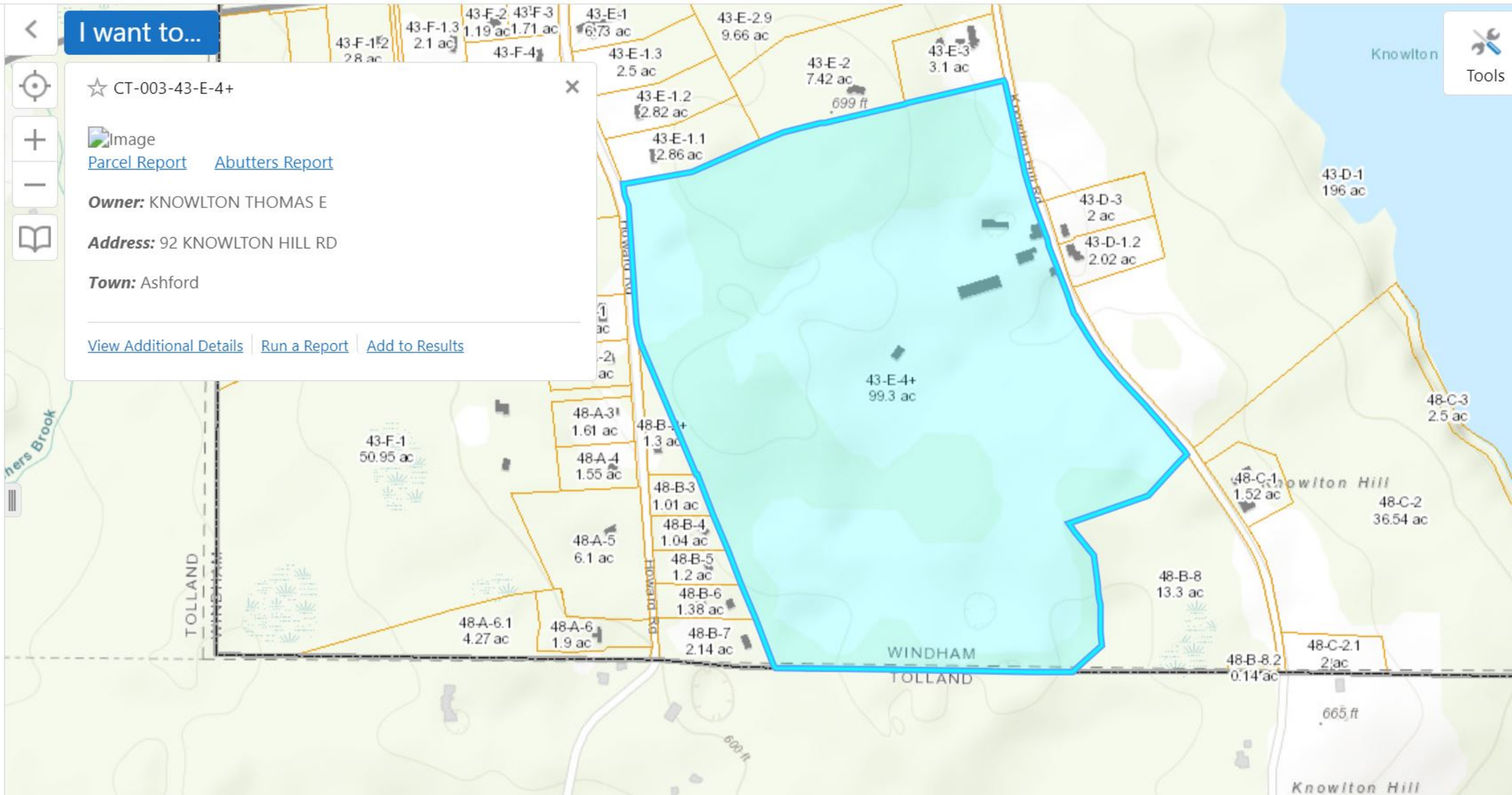
Owner: KNOWLTON THOMAS E

Address: 92 KNOWLTON HILL RD

Town: Ashford

View Additional Details | Run a Report | Add to Results

Tools



The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2016.

Ashford, Connecticut

Information on the Property Records for the Municipality of Ashford was last updated on 8/18/2021.

Parcel Information

Location:	92 KNOWLTON HILL RD	Property Use:	Vacant Land	Primary Use:	Residential Vacant Land
Unique ID:	00107200	Map Block Lot:	43 E 4 +	Acres:	99.30
490 Acres:	97.30	Zone:	RA	Volume / Page:	0175/0539
Developers Map / Lot:	8.1,4	Census:	8301000		

Value Information

	Appraised Value	Assessed Value
Land	204,600	79,560
Buildings	0	0
Detached Outbuildings	182,300	127,600
Total	386,900	207,160

Owner's Information

Owner's Data
KNOWLTON THOMAS E 317 SQUAW HOLLOW RD ASHFORD, CT 06278

ATTACHMENT 6

UNITED STATES POSTAL SERVICE®

ASHFORD WEST 2

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	7	7	neopost 08/20/2021 US POSTAGE $002.89⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		OLD STATE HOUSE STATION 06103 AUG 20 2021 USPS

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Cathryn Silver-Smith, First Selectman Town of Ashford 5 Town Hall Road Norwich, CT 06278				
2.	Michael D'Amato, Zoning Officer Town of Ashford 5 Town Hall Road Norwich, CT 06278				
3.	Thomas E. Knowlton 317 Squaw Hollow Road Ashford, CT 06278				
4.					
5.					
6.					