

KENNETH C. BALDWIN

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Also admitted in Massachusetts
and New York

September 6, 2022

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

Re: **Notice of Exempt Modification – Facility Modification
60 (a/k/a 82) North Eagleville Road, Storrs (Mansfield), Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains a wireless telecommunications facility at the above-referenced property address (the “Property”). The facility consists of antennas and remote radio heads attached to a tower and related equipment on the ground, near the base of the tower. The tower and Cellco’s use of the tower were approved by the Siting Council (“Council”) in November of 1997 (Docket No. 179). A copy of the Council’s Docket No. 179 Decision and Order is included in Attachment 1.

Cellco now intends to modify its facility by installing four (4) new Samsung MT6407-77A antennas and four (4) new Samsung XXDWMM-12.5-65 CBRS antennas on its existing antenna platform. Cellco also intends to remove twenty (20) remote radio heads (“RRHs”) and install twelve (12) new RRHs on the existing antenna platform. A set of project plans showing Cellco’s proposed facility modifications, 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 Mansfield’s Chief Elected Official and Land Use Officer.

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

1. The proposed modifications will not result in an increase in the height of the existing tower.
2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The installation of Cellco's new antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A Cumulative Power Density table for Cellco's modified facility is included in Attachment 3. The modified facility will be capable of providing Cellco's 5G wireless service.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. According to the attached Structural Analysis ("SA") and Mount Analysis ("MA"), the existing tower, tower foundation and antenna mounts, with certain modifications, can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 4.

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

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

Melanie A. Bachman, Esq.
September 6, 2022
Page 3

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with the first name "Kenneth" being more prominent and the last name "Baldwin" written in a more compact, stylized manner.

Kenneth C. Baldwin

Enclosures

Copy to:

Ryan Aylesworth, Mansfield Town Manager
Jennifer Kaufman, Acting Director of Planning & Development
UConn Information Center 1 (North), Property Owner
Aleksey Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 179 - An application of WHUS Radio for a Certificate of Environmental Compatibility and Public Need for the construction, operation, and maintenance of a telecommunications facility at the University of Connecticut Campus approximately 2,700 feet northwest of the intersection of North Eagleville Road and Storrs Road (Route 195), Storrs, Connecticut.

Connecticut Siting Council

November 19, 1997

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 of a telecommunications tower and associated equipment at the proposed site in Storrs, Connecticut, 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 WHUS Radio for the construction of a telecommunications tower, associated equipment, and an equipment building at the proposed site, located at the University of Connecticut, north of North Eagleville Road, Storrs, 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 height of the proposed tower shall not exceed a height of 327 feet above ground level (AGL).
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 submitted to and approved by the Council prior to the commencement of construction and shall include specifications for the placement of all antennas to be attached to this tower; confirmation by a Professional Engineer that the tower design is adequate to hold all proposed antennas and meets all current applicable structural standards; plans for the new equipment building; and plans for water drainage and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.
3. The Certificate Holder shall remove the existing 212-foot WHUS tower within 60 days of the completion of the new tower.
4. No construction activities shall be undertaken on the proposed site from March 1 to June 30, so that the two existing populations of species of special concern are not affected.
5. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies used at this facility, the facility granted herein shall be brought into compliance with such standards.

6. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.

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

8. If the facility does not provide, or permanently ceases to provide the proposed telecommunications services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply to the Council for any proposed new use. If any associated equipment permanently ceases to provide the proposed telecommunications services, such equipment shall be removed within 60 days after such equipment ceases to provide the proposed telecommunications services.

9. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct 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

WHUS Radio,
The University of Connecticut

ITS REPRESENTATIVE

Paul Shapiro Assistant Attorney General
University of Connecticut Box U-177, 605 Gilbert Road
Storrs, CT 06269-1177(860) 486-4241

John Murphy
General Manager
WHUS Radio
The University of Connecticut
Box U-8R, 2110 Hillside Road
Storrs, CT 06269-3008(860) 486-2955

INTERVENOR

Bell Atlantic NYNEX Mobile

ITS REPRESENTATIVE

Jennifer Young Gaudet

Regulatory Manager

Bell Atlantic NYNEX Mobile

20 Alexander Drive, P.O. Box 5029

Wallingford, CT 06492(203) 949-2805

ATTACHMENT 2



STORRS CT
60 NORTH EAGLEVILLE RD
MANSFIELD, CT 06268

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS MODIFIED BY THE 2018 CONNECTICUT SUPPLEMENT, INCLUDING THE 1A/DA-222 REVISION "G" STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND SUPPORTING STRUCTURES, 2017 CONNECTICUT FIRE SAFETY CODE, NATIONAL ELECTRICAL CODE, AND LOCAL CODES.
2. SHOULD ANY FIELD CONDITIONS PRECLUDE COMPLIANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SHALL NOT PROCEED WITH ANY AFFECTED WORK.
3. CONTRACTOR SHALL REVIEW ALL DRAWINGS AND SPECIFICATIONS IN THE CONTRACT DOCUMENT SET. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN IN THE SET OF DRAWINGS. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF DRAWINGS TO ALL SUBCONTRACTORS AND ALL RELATED PARTIES. THE SUBCONTRACTORS SHALL EXAMINE ALL THE DRAWINGS AND SPECIFICATIONS FOR THE INFORMATION THAT AFFECTS THEIR WORK.
4. CONTRACTOR SHALL PROVIDE A COMPLETE BUILD-OUT WITH ALL FINISHES, STRUCTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS AND PROVIDE ALL ITEMS AS SHOWN OR INDICATED ON THE DRAWINGS OR IN THE WRITTEN SPECIFICATIONS.
5. CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR AND EQUIPMENT TO COMPLETE THE WORK AND FURNISH A COMPLETED JOB ALL IN ACCORDANCE WITH LOCAL AND STATE GOVERNING AUTHORITIES AND OTHER AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
6. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND ALL INSPECTIONS REQUIRED AND SHALL ALSO PAY FEES REQUIRED FOR THE GENERAL CONSTRUCTION, AND ALL TRADES AS APPLICABLE. PERMITS SHALL BE PAID FOR BY THE RESPECTIVE SUBCONTRACTORS.
7. CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES AND INSURE DISTRIBUTION OF NEW DRAWINGS TO SUBCONTRACTORS AND OTHER RELEVANT PARTIES AS SOON AS THEY ARE MADE AVAILABLE. ALL OLD DRAWINGS SHALL BE MARKED VOID AND REMOVED FROM THE CONTRACT AREA. THE CONTRACTOR SHALL FURNISH AN "AS-BUILT" SET OF DRAWINGS TO OWNER UPON COMPLETION OF PROJECT.
8. LOCATION OF EQUIPMENT, AND WORK SUPPLIED BY OTHERS THAT IS DIAGRAMMATICALLY INDICATED ON THE DRAWINGS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL DETERMINE LOCATIONS AND DIMENSIONS SUBJECT TO STRUCTURAL CONDITIONS AND WORK OF THE SUBCONTRACTORS.
9. THE CONTRACTOR IS SOLELY RESPONSIBLE TO DETERMINE CONSTRUCTION PROCEDURE AND SEQUENCE, AND TO ENSURE THE SAFETY OF THE EXISTING STRUCTURES AND ITS COMPONENT PARTS DURING CONSTRUCTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, BRACING, UNDERPINNING, ETC. THAT MAY BE NECESSARY. MAINTAIN EXISTING BUILDING'S/PROPERTY'S OPERATIONS, COORDINATE WORK WITH BUILDING/PROPERTY OWNER.
10. DRAWINGS INDICATE THE MINIMUM STANDARDS, BUT IF ANY WORK SHOULD BE INDICATED TO BE SUBSTANDARD TO ANY ORDINANCES, LAWS, CODES, RULES, OR REGULATIONS BEARING ON THE WORK, THE CONTRACTOR SHALL INCLUDE IN HIS WORK AND SHALL EXECUTE THE WORK CORRECTLY IN ACCORDANCE WITH SUCH ORDINANCES, LAWS, CODES, RULES OR REGULATIONS WITH NO INCREASE IN COSTS.
11. ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.
12. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUBCONTRACTORS FOR ANY CONDITION PER MFR.'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
13. ANY AND ALL ERRORS, DISCREPANCIES, AND "MISSED" ITEMS ARE TO BE BROUGHT TO THE ATTENTION OF THE VERIZON WIRELESS CONSTRUCTION MANAGER DURING THE BIDDING PROCESS BY THE CONTRACTOR. ALL THESE ITEMS ARE TO BE INCLUDED IN THE BID. NO "EXTRA" WILL BE ALLOWED FOR MISSED ITEMS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE SAFETY FROM THE TIME THE JOB IS AWARDED UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE OWNER.
15. CONTRACTOR TO REVIEW ALL SHOP DRAWINGS AND SUBMIT COPY TO ENGINEER FOR APPROVAL. DRAWINGS MUST BEAR THE CHECKER'S INITIALS BEFORE SUBMITTING TO THE CONSTRUCTION MANAGER FOR REVIEW.
16. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, ANGLES, AND EXISTING CONDITIONS AT THE SITE, PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK IN THE CONTRACT AREA.
17. COORDINATION, LAYOUT, FURNISHING AND INSTALLATION OF CONDUIT AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
18. ALL EQUIPMENT AND PRODUCTS PURCHASED ARE TO BE REVIEWED BY CONTRACTOR AND ALL APPLICABLE SUB-CONTRACTORS FOR ANY CONDITION PER THE MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR TO SUPPLY THESE ITEMS AT NO COST TO OWNER OR CONSTRUCTION MANAGER.
19. ALL DAMAGE CAUSED TO ANY EXISTING STRUCTURE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL BE HELD LIABLE FOR ALL REPAIRS REQUIRED FOR EXISTING STRUCTURES IF DAMAGED DURING CONSTRUCTION ACTIVITIES.
20. THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT LEAST 48 HOURS PRIOR TO ANY EXCAVATIONS AT 1-800-922-4455. ALL UTILITIES SHALL BE IDENTIFIED AND CLEARLY MARKED PRIOR TO ANY EXCAVATION WORK. CONTRACTOR SHALL MAINTAIN AND PROTECT MARKED UTILITIES THROUGHOUT PROJECT COMPLETION.

SITE DIRECTIONS

FROM: 20 ALEXANDER DRIVE
WALLINGFORD, CONNECTICUT TO: 60 NORTH EAGLEVILLE ROAD,
MANSFIELD, CT 06268

1. START OUT GOING NORTH ON ALEXANDER DR TOWARD BARNES INDUSTRIAL RD. 0.18 MI
2. TURN RIGHT ONTO BARNES INDUSTRIAL RD. 0.11 MI
3. TAKE THE 1ST RIGHT ONTO CT-66. 1.82 MI
4. MERGE ONTO I-91 N VA THE RAMP ON THE LEFT TOWARD HARTFORD. 20.82 MI
5. MERGE ONTO CT-15 N VA EXIT 29 TOWARD BOSTON/E HARTFORD/I-84 E. 2.14 MI
6. CT-15 N BECOMES I-84 E. 15.98 MI
7. TAKE THE CT-192 EXIT, EXIT 68, TOWARD TOLLAND/MANSFIELD. 0.27 MI
8. TURN RIGHT ONTO MERROW RD/CT-195. CONTINUE TO FOLLOW CT-195. 7.11 MI
9. TURN RIGHT ONTO N EAGLEVILLE RD. 0.31 MI
10. TURN RIGHT ONTO CEMETERY RD. 0.27 MI
11. 60 NORTH EAGLEVILLE RD, STORRS MANSFIELD, CT 06268 IS ON A SERVICE ROAD TO THE LEFT OF THE CEMETERY.

VICINITY MAP

SCALE: 1" = 200'



PROJECT SUMMARY

1. THE PROPOSED UPGRADE SCOPE OF WORK AT THE EXISTING UNMANNED TELECOMMUNICATIONS FACILITY GENERALLY INCLUDES THE FOLLOWING:
- A. AT THE EXISTING CLUTED MOUNTED ANTENNA SECTIONS:
- REMOVE (20) EXISTING NOKIA RADIOS.
 - RETAIN (4) EXISTING ANDREW - J44H-858-R38 ANTENNAS.
 - RETAIN (3) EXISTING ANTEL - BXA-80063/4 ANTENNAS.
 - RETAIN (4) EXISTING COMMSCOPE - J44H-458-R38 ANTENNAS.
 - RETAIN (2) EXISTING COMMSCOPE - BASANT-SBS-2-2 ANTENNA MOUNTS.
 - RETAIN (2) EXISTING COMMSCOPE - BASANT-SBS-2-3 ANTENNA MOUNTS.
 - RETAIN (2) EXISTING 12x24 HYBRID CABLES.
 - RETAIN (2) EXISTING OVP-12 BOXES.
 - RETAIN (6) EXISTING COAXIAL CABLES.
 - INSTALL MOUNT MODIFICATIONS AS PER MODIFICATION DETAILS BOTH PROVIDED WITHIN THESE DRAWINGS AND THOSE DESIGNED BY OTHERS AS REFERENCED HEREIN.
 - INSTALL (4) SAMSUNG - MTR407-77A ALL-IN-ONE ANTENNA/RRUs.
 - INSTALL (4) SAMSUNG - XCDMM-12.5-85 ANTENNAS.
 - INSTALL (4) SAMSUNG - B2/B66A RRR-BRO49 RRUs.
 - INSTALL (4) SAMSUNG - B5/B13 RRR-BRO4C RRUs.
 - INSTALL (4) SAMSUNG - CBRS RRR - RT4041-48A RRUs.
 - INSTALL (4) COMMSCOPE - C8C78T-DS-43-2X DIPLEXERS.

PROJECT INFORMATION

SITE NAME: STORRS CT
SITE ADDRESS: 60 NORTH EAGLEVILLE ROAD,
MANSFIELD, CT 06268
LESSEE/TENANT: CELCO PARTNERSHIP
S.B.S. VERIZON WIRELESS
20 ALEXANDER DRIVE
WALLINGFORD, CT 06492
CONTACT PERSON: WALTER CHARCZESKI (CONSTRUCTION MANAGER)
VERIZON WIRELESS
(860) 308-1508
ENGINEER: CENTEX ENGINEERING, INC.
63-2 NORTH BRAUNFORD RD.
BRAINTON, CT 06040
(203) 486-0580
PROJECT COORDINATES: LATITUDE: 41°-48'-50.0004"N
LONGITUDE: 72°-15'-33.9984"W
COORDINATES ARE BASED ON VERIZON WIRELESS
RFDS DATED APRIL 7, 2021.

SHEET INDEX

SHT. NO.	DESCRIPTION	REV.
T-1	TITLE SHEET	1
N-1	NOTES AND SPECIFICATIONS	1
B-1	RF BILL OF MATERIALS	1
C-1	SITE PLAN AND ELEVATION	1
C-2	ANTENNA SECTOR CONFIGURATION DETAILS	1
C-3	RF DETAILS	1
E-1	ELECTRICAL DETAILS AND SPECIFICATIONS	1

CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION (ON NET, UPDATED)

CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION

CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION

CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION

DATE: 10/04/21

SCALE: AS NOTED

JOB NO. 21007.33

TITLE SHEET

T-1

Sheet No. 1 of 1

PROFESSIONAL ENGINEER SEAL

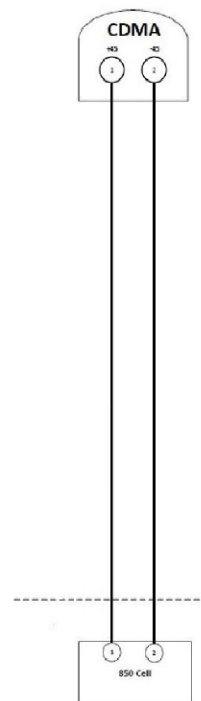
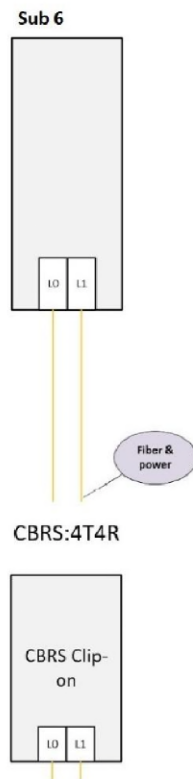
verizon

CENTEX ENGINEERING, INC.
Contract to Subcontract
(203) 486-0580
(203) 486-8587 Fax
63-2 North Braunford Road
BRAINTON, CT 06040
www.CentexEng.com

Cellco Partnership d/b/a Verizon Wireless
STORRS CT
60 NORTH EAGLEVILLE RD
MANSFIELD, CT 06268

11. REFER TO DRAWING T1 FOR ADDITIONAL NOTES AND REQUIREMENTS.

Sheet No. 2 of 7



1. INFORMATION SHOWN HEREIN IS FOR USE BY VERIZON WIRELESS EQUIPMENT OPERATIONS.

2. THIS B.O.M. DRAWING IS BASED OFF FACILITY UPGRADE DESIGN DRAWINGS PREPARED BY CENTEK ENGINEERING (REV.1 DATED: 09.01.22), & VERIZON WIRELESS RF ANTENNA EQUIPMENT RECOMMENDATION (DATED 04.07.21).

BILL OF MATERIALS		
TECHNOLOGY	QUANTITY	ANTENNA
LTE CBRS	4	SAMSUNG ANTENNA MODEL: XXD9WIM-12.5-
5G	4	SAMSUNG ANTENNA MODEL: MT6407-77A

CABLES	QUANTITY	LENGTH EA.	COMMENTS
HYBRID CABLES	0	0 FT	--

RADIOS	QUANTITY	COMMENTS
LTE 700	4	SAMSUNG MODEL: B5/B13 RRR-BR04C
LTE 850 5G		
LTE PCS 1900	4	SAMSUNG MODEL: B2/B66A RRR-BR04H
LTE AWS 2100		
LTE	4	INTEGRATED INTO XXXXMM-12.5-65 ANTEN
5G	4	INTEGRATED INTO MT8407-77A ANTENNA

DIPLEXERS	QUANTITY	COMMENTS
DIPLEXER	3	COMMSCOPE MODEL: CBC78T-DS-43-2X

OVP BOXES	QUANTITY	COMMENTS
TOWER OVP BOX	0	-

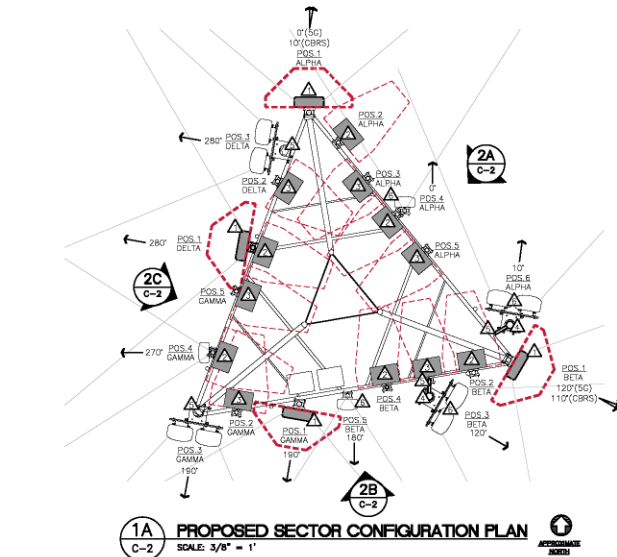
ANTENNA MOUNT	QUANTITY	COMMENTS
SIDE-BY-SIDE MOUNTING KIT	0	-

[illegible]








Sheet No. 4 of 7

PROPOSED ANTENNA CONFIGURATIONS



PROPOSED SECTOR CONFIGURATION PLAN

- ▲ REMOVE EXISTING RADIO AND RETAIN EXISTING MAST PIPE.
- ▲ RETAIN EXISTING OVP-12 BOX TO REMAIN IN CURRENT POSITION.
- ▲ EXISTING ANDREW - JAH-H-650-R3B ANTENNAS, TO BE RELOCATED TO PROPOSED STAND-OFF PIPE MAST.
- ▲ EXISTING ANDREW - JAH-I-650-R3B ANTENNAS, TO REMAIN IN CURRENT POSITION.
- ▲ EXISTING ANDREW - JAH-I-650-R3B ANTENNAS, TO BE RELOCATED TO PROPOSED STAND-OFF PIPE MAST.
- ▲ EXISTING ANDREW - JAH-H-650-R3B ANTENNAS, TO REMAIN IN CURRENT POSITION.
- ▲ EXISTING ANTEL - BXA-B0063/4 ANTENNA, TO BE RELOCATED TO PROPOSED PIPE MAST.

 PROPOSED (2) VERIZON WIRELESS ANTENNAS.
 MOUNTED ABOVE:
 (P/N: SAMSUNG - MT6407-77A)
 MOUNTED BELOW:
 (P/N: VERIZON - XXXXMM-12.5-65)
 PROPOSED VERIZON WIRELESS RADIO.
 MOUNTED TO EXISTING PIPE MAST.
 (P/N: B2/986A RHH-BR04C)
 PROPOSED VERIZON WIRELESS RADIO.
 MOUNTED TO EXISTING PIPE MAST.
 (P/N: BS/913 RHH-BR04C)
 PROPOSED STAND-OFF MOUNT. REFER TO DETAIL 3/C-2
 FOR ADDITIONAL INFORMATION.
 PROPOSED VERIZON WIRELESS DUPLEXER.
 MOUNTED TO EXISTING PIPE MAST.
 (P/N: C8C781-US-43-2x)
 RELOCATED VERIZON WIRELESS ANTENNA(S).

LEGEND	
<p>-----</p> <p>ANTENNA CLEARANCE STATUS</p>	<p>VERSION WIRELESS YZ501 REQUIRED ANTENNA CLEARANCE LIMITS (PER DETAILS ON SHEET C-3)</p> <p>ALPHA SECTOR: COMPLIANT BETA SECTOR: COMPLIANT GAMMA SECTOR: COMPLIANT DELTA SECTOR: COMPLIANT</p>
<p>-----</p> <p>RRU CLEARANCE STATUS</p>	<p>VERSION WIRELESS RRU REQUIRED ANTENNA CLEARANCE LIMITS (PER DETAILS ON SHEET C-3)</p> <p>ALPHA SECTOR: COMPLIANT BETA SECTOR: COMPLIANT GAMMA SECTOR: COMPLIANT DELTA SECTOR: COMPLIANT</p>

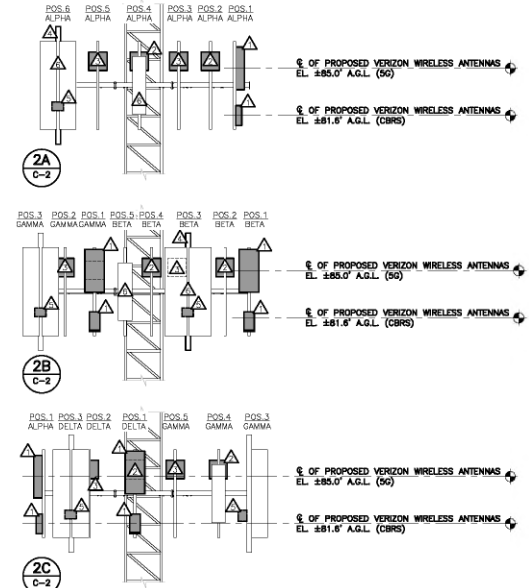


The image displays four orthographic views of a mechanical component:

- FRONT:** A cross-shaped view showing a central vertical rectangle with a horizontal rectangle intersecting it. The horizontal rectangle has a small square at its left end and a small circle at its right end.
- ISOMETRIC:** A 3D perspective view of the part, showing a central vertical shaft with a horizontal flange. The flange has a small square feature on its left side and a small circular feature on its right side.
- TOP:** A view from above showing a central vertical shaft with a horizontal flange. The flange has a small square feature on its left side and a small circular feature on its right side.
- SIDE:** A view from the side showing a central vertical shaft with a horizontal flange. The flange has a small square feature on its left side and a small circular feature on its right side.

CROSSOVER PLATE	
MAKE/MODEL	DESCRIPTION
MAKE: SITE PRO MODEL: SSSK	HOT-DIP GALVANIZED, PIPES IN 90° JUNCTION
NOTES: 1. PIPES NOT INCLUDED IN ASSEMBLY KIT. 2. ACCOMMODATES PIPE SIZES FROM 1-1/2" - 3-1/2".	

CROSSOVER CLAMP SET DETAIL
NOT TO SCALE



PROPOSED SECTOR CONFIGURATION ELEVATIONS



NOTES:
1. THIS ANTENNA HAS ITS OWN BUILT-IN RRH.



NOTES:
1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.



NOTES:
1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.

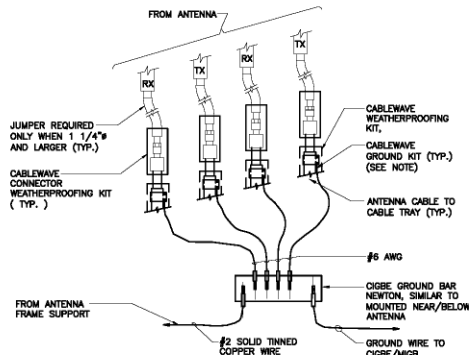


NOTES:
1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.



NOTES:
1. CONTRACTOR TO COORDINATE FINAL EQUIPMENT MODEL SELECTION WITH VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO ORDERING.





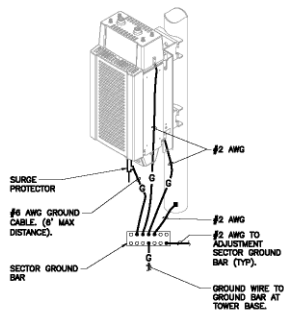
NOTES

- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE.

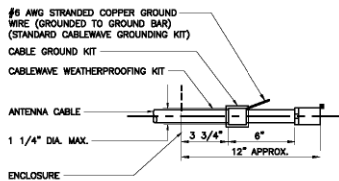
1 CONNECTION OF GROUND WIRES TO GROUND BAR

EACH RRH CABINET SHALL BE GROUNDED IN THE FOLLOWING MANNER:

- AT TOP OF THE CABINET.
- AT RIGHT SIDE OF THE CABINET.



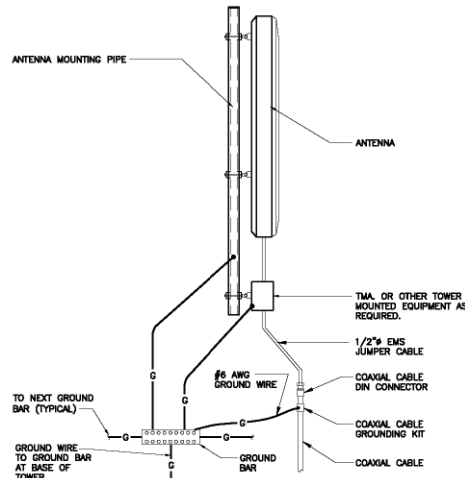
2 RRH POLE MOUNT GROUNDING



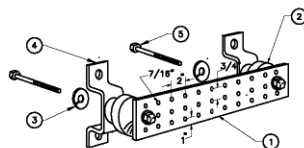
NOTES

- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.

3 ANTENNA CABLE GROUNDING DETAIL



4 TYPICAL ANTENNA GROUNDING DETAIL



NOTES

- TINNED COPPER GROUND BAR, 1/4" x 4" x 20", NEWTON INSTRUMENT CO. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
- INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4.
- 5/8" LOCK WASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8.
- WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT. NO. A-6056.
- 5/8-11 x 1" STAINLESS STEEL TRUSS SPANNER MACHINE SCREWS.

5 GROUND BAR DETAIL

ELECTRICAL SPECIFICATIONS

SECTION 16101

1.01. SCOPE OF WORK

- WORK SHALL INCLUDE ALL LABOR, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE (MAKE READY FOR OPERATION) ALL THE ELECTRICAL WORK INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

- CELLULAR GROUNDING SYSTEMS CONSISTING OF ANTENNA GROUNDING, GROUND BARS, ETC.

1.02. GENERAL REQUIREMENTS

- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE MADE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE AND NATIONAL CODES AND REGULATIONS WHICH MAY APPLY AND NOTHING IN THE DRAWINGS OR SPECIFICATIONS SHALL BE INTERPRETED AS AN INFRINGEMENT OF SUCH CODES OR REGULATIONS.
- THE ELECTRICAL CONTRACTOR IS TO BE RESPONSIBLE FOR THE COMPLETE INSTALLATION AND COORDINATION OF THE ENTIRE ELECTRICAL SERVICE. ALL ACTIVITIES TO BE COORDINATED THROUGH OWNERS REPRESENTATIVE, DESIGN ENGINEER AND OTHER AUTHORITIES HAVING JURISDICTION OF TRADES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND PAY ALL FEES THAT MAY BE REQUIRED FOR THE ELECTRICAL WORK AND FOR SCHEDULING OF ALL INSPECTIONS THAT MAY BE REQUIRED BY THE LOCAL AUTHORITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE BUILDING OWNER FOR NEW AND/OR DEMOLITION WORK INVOLVED.
- NO MATERIAL OTHER THAN THAT CONTAINED IN THE "LATEST LIST OF ELECTRICAL FITTINGS" APPROVED BY THE UNDERWRITERS LABORATORIES, SHALL BE USED IN ANY PART OF THE WORK. ALL MATERIAL FOR WHICH LABEL SERVICE HAS BEEN ESTABLISHED SHALL BEAR THE U.L. LABEL.
- THE CONTRACTOR SHALL GUARANTEE ALL NEW WORK FOR A PERIOD OF ONE YEAR FROM THE ACCEPTANCE DATE BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WARRANTIES FROM ALL EQUIPMENT MANUFACTURERS FOR SUBMISSION TO THE OWNER.
- DRAWINGS INDICATE GENERAL ARRANGEMENT OF WORK INCLUDED IN CONTRACT. CONTRACTOR SHALL WITHOUT EXTRA CHARGE, MAKE MODIFICATIONS TO THE LAYOUT OF THE WORK TO PREVENT CONFLICT WITH WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF WORK. CHECK ALL DRAWINGS AND VISIT JOB SITE TO VERIFY SPACE AND TYPE OF EXISTING CONDITIONS IN WHICH WORK WILL BE DONE, PRIOR TO SUBMITTAL OF BID.
- THE ELECTRICAL CONTRACTOR SHALL SUPPLY THREE (3) COMPLETE SETS OF APPROVED DRAWINGS, ENGINEERING DATA SHEETS, MAINTENANCE AND OPERATING INSTRUCTION MANUALS FOR ALL SYSTEMS AND THEIR RESPECTIVE EQUIPMENT. THESE MANUALS SHALL BE INSERTED IN VINYL COVERED 3-RING BINDERS AND TURNED OVER TO OWNERS REPRESENTATIVE ONE (1) WEEK PRIOR TO FINAL PUNCH LIST.
- ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER AND WILL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- ALL EQUIPMENT AND MATERIALS TO BE INSTALLED SHALL BE NEW, UNLESS OTHERWISE NOTED.
- BEFORE FINAL PAYMENT, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF PRINTS (AS-BUILTS), LEGIBLY MARKED IN RED PENCIL TO SHOW ALL CHANGES FROM THE ORIGINAL PLANS.
- ENTIRE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH OWNER'S SPECIFICATIONS, AND REQUIREMENTS OF ALL LOCAL AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH APPROPRIATE INDIVIDUALS TO OBTAIN ALL SUCH SPECIFICATIONS AND REQUIREMENTS. NOTHING CONTAINED IN, OR OMITTED FROM, THESE DOCUMENTS SHALL RELIEVE CONTRACTOR FROM THIS OBLIGATION.

SECTION 16450

1.01. GROUNDING

- ALL NON-CURRENT CARRYING PARTS OF THE ELECTRICAL AND TELEPHONE CONDUIT SYSTEMS SHALL BE MECHANICALLY AND ELECTRICALLY CONNECTED TO PROVIDE AN INDEPENDENT RETURN PATH TO THE EQUIPMENT GROUNDING SOURCES.
- GROUNDING SYSTEM WILL BE IN ACCORDANCE WITH THE LATEST ACCEPTABLE EDITION OF THE NATIONAL ELECTRICAL CODE AND REQUIREMENTS PER LOCAL INSPECTOR HAVING JURISDICTION.
- EQUIPMENT GROUNDING CONDUCTOR:
 - EACH EQUIPMENT GROUND CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH THE N.E.C. ARTICLE 250-122.
 - THE MINIMUM SIZE OF EQUIPMENT GROUND CONDUCTOR SHALL BE #12 AWG COPPER.
- CELLULAR GROUNDING SYSTEM:
 - PROVIDE THE CELLULAR GROUNDING SYSTEM AS SPECIFIED ON DRAWINGS, INCLUDING, BUT NOT LIMITED TO:
 - GROUND BARS
 - ANTENNA GROUND CONNECTIONS AND PLATES.
- ALL EQUIPMENT SHALL BE BONDED TO GROUND AS REQUIRED BY N.E.C., M.F.O. SPECIFICATIONS, AND OWNER'S SPECIFICATIONS.

CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION (ON REVISION)	DATE	10/04/21
CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION	SCALE	AS NOTED
CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION	JOB NO.	21007.33
CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION	ELECTRICAL DETAILS AND SPECIFICATIONS	
CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION	E-1	
CONSTRUCTION DRAWINGS - ISSUED FOR CONSTRUCTION	Sheet No. 1 of 1	

Cellco Partnership d/b/a Verizon Wireless

STORRS CT

80 NORTH EAGLEVILLE RD

MANSFIELD, CT 06038

DATE: 10/04/21

SCALE: AS NOTED

JOB NO. 21007.33

ELECTRICAL DETAILS AND SPECIFICATIONS

E-1

Sheet No. 1 of 1

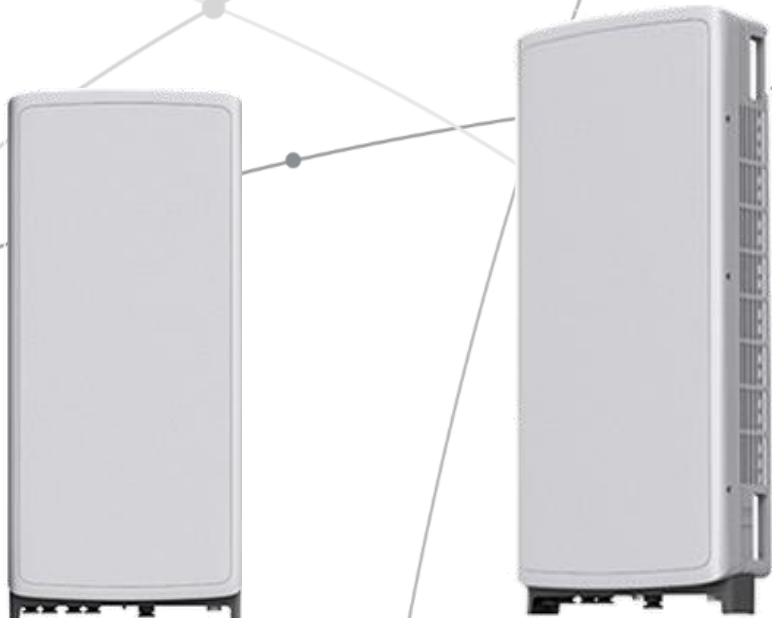
SAMSUNG

SAMSUNG C-Band 64T64R Massive MIMO Radio

for High Capacity and Wide Coverage

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

Model Code : MT6407-77A



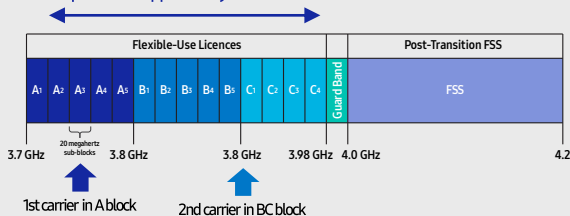
Points of Differentiation

Wide Bandwidth

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

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

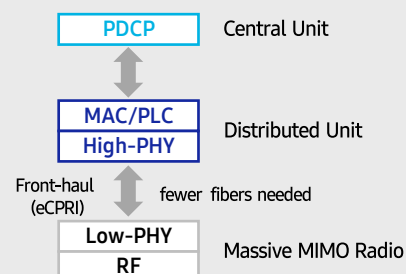
C-Band spectrum supported by Massive MIMO Radio



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.

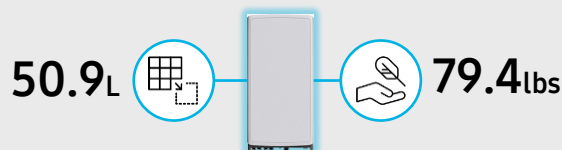
Furthermore, as C-Band massive MIMO Radio supports MU-MIMO (Multi-user MIMO), it enables to increase user throughput by minimizing interference.



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

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Specifications

The table below outlines the main specifications of the RRH.

Table 1. Specifications

Item	RT4401-48A
Air Technology	LTE
Band	Band 48 (3.5 GHz)
Operating Frequency (MHz)	3550 to 3700
RF Chain	4TX/4RX
Input Power	-48 V DC (-38 to -57 V DC, 1 SKU), with clip-on AC-DC converter (Option)
Dimension (W × D × H) (mm)	8.55 in. (217.4) × 4.15 in. (105.5) × 13.91 in. (353.5) * RRH only 11.39 in. (289.4) × 5.45 in. (138.5) × 16.16 in. (410.5) * with Clip-on antenna, AC-DC power unit
Cooling	Natural convection
Unwanted Emission	3GPP 36.104 Category A [B48]: FCC 47 CFR 96.41 e)
Spectrum Analyzer	TX/RX Support
Antenna Type	Integrated (Clip-on) antenna (Option), External antenna (Option)
Operating Humidity	5 to 100 [%] (RH), condensing, not to exceed 30 g/m ³ absolute humidity
Altitude	-60 to 1,800 m
Earthquake	Telcordia Earthquake Risk Zone4 (Telcordia GR-63-CORE)
Vibration in Use	Office Vibration
Transportation Vibration	Transportation Vibration
Noise	Fanless (natural convection cooling)
Wind Resistance	Telcordia GR-487-CORE, Section 3.34
EMC	FCC Title 47, CFR Part 96
Safety	UL 60950-1 2nd ED

Item	RT4401-48A
	UL 62368-1
	UL 60950-22
RF	FCC Title 47, CFR Part 96

The table below outlines the AC/DC power unit specifications of the RRH system.

SAMSUNG

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

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



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

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

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

Features and Benefits

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

Key Technical Specifications

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

SAMSUNG

Dual-Band Radio Unit

AWS/PCS (B66/B2)

RFV01U-D1A

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



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

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

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

Features and Benefits

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

Key Technical Specifications

Duplex Type: FDD

Operating Frequencies:

B66: DL(2,110-2,180MHz)/UL(1,710-1,780MHz)

B2: DL(1,930-1,990MHz)/UL(1,850-1,910MHz)

Instantaneous Bandwidth:

70MHz(B66) + 60MHz(B2)

RF Chain: 4T4R/2T4R/2T2R

Output Power: Total 320W

DU-RU Interface: CPRI (10Gbps)

Dimensions: 380 x 380 x 255mm (36.8L)

Weight: 38.3kg

Input Power: -48V DC

Operating Temp.: -40 - 55°(w/o solar load)

Cooling: Natural convection

[CBRS] Clip-on Antenna Specifications

VzW accepted IP45 in FLD,
but IP55 is Samsung Spec.



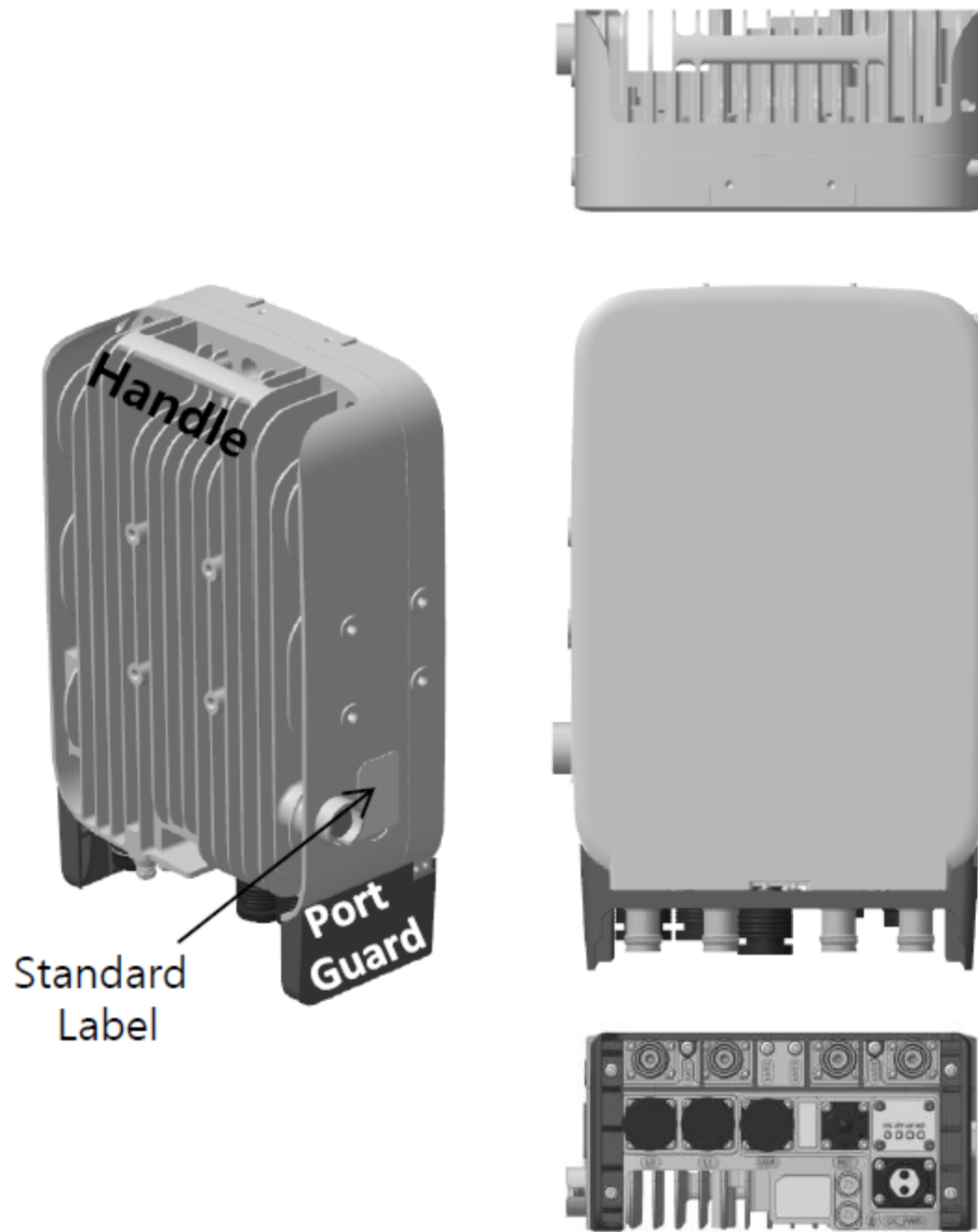
Items	Clip-on Antenna, BASTA**
Antenna Gain	12.5 ± 0.5 dBi (Max 13 dBi)
Horizontal BW (-3dB)	65° ± 5°
Vertical BW (-3dB)	17° ± 3°
Electrical Tilt	8° (fixed) ± 2°
Front-to-Back Ratio	> 25 dB
Port-to-Port Tracking	< 3 dB
VSWR	< 1.5
Isolation	> 25 dB
Ingress Protection	IP55
Size	220(W)×313(H)×34.3(D) mm (*) (8.7 x 12.3 x 1.4 inch.)
Weight	< 2.0 kg [Typ. 1.3 kg]
It is required that the radio should be weatherproofed properly with JMA WPS Boot with external antenna or with Weatherproof Boot for clip-on antennas.	

Antenna includes integrated cable with connector

* Design is subject to minor change

** Ant. spec. follows NGMN recommendations on Base Station Antenna Standards (BASTA). For example, 'mean ± tolerance of 86.6%' is applied to double-sided specification of statistical RF parameters.

[CBRS RRH] Spec.



Current Size: 216 x 307 x 105.5 mm (6.99L)
(8.5 x 12.1 x 4.1 inch., excluding Port Guard)

Design is subject to minor change

Item	Specification
Band	Band 48 (3.5 GHz)
Frequency	3550~3700 MHz
IBW	150 MHz
OBW	80 MHz
# of Carriers	5/10/15/20 MHz x 4 carriers
RF Chain	4TX / 4RX
RF Output Power & EIRP	4 path x 5 W (Total: 20 W = 43 dBm) (EIRP: 47 dBm / 10 MHz)
RX Sensitivity	Typical : -101.5 dBm @ 1 Rx (3GPP 36.104, Wide Area)
Modulation	256-QAM support (1024-QAM with 1~2dB power back-off)
Input Power	-48 VDC (-38 to -57 VDC, 1 SKU), with clip-on AC-DC converter (Option)
Power Consumption	About 160 Watt @ 100% RF load, typical conditions
Volume	Under 7L (w/o Antenna), Under 9.6L (with antenna)
Weight	Under 8.0 kg (18.64 lb) (w/o Antenna), Under 10.5 Kg (with ant.)
Operating Temperature	-40°C (-40°F) ~ 55°C (131°F) (W/o solar load)
Cooling	Natural convection
Unwanted Emission	3GPP 36.104 Category A [B48] : FCC 47 CFR 96.41 e)
Optic Interface	20km, 2 ports (9.8Gbps x 2), SFP, single mode, duplex or Bi-Di
CPRI Cascade	Not supported
# of Antenna Port	4
External Alarm (UDA)	4
RET	AISG 2.2
TMA & built-in Bias-T I//F and PIM cancellation	Not supported
Mounting Options	Pole, wall, tower, back to back, side by side (for external ant), 3 RRH with Clip-on Antenna on the pole
Antenna Type	Integrated (Clip-on) antenna (Option), External antenna (Option)
NB-IoT	Not Supported (HW Resource reserved for 1 Guard Band NB-IoT per LTE carrier)
Spectrum Analyzer	TX/RX Support
External Alarm (UDA)	4
5G NR	Support with S/W upgrade
XRAN	Support with S/W upgrade

ATTACHMENT 3

	General	Power	Density					
Site Name: Storrs (Mansfield)								
Tower Height: Verizon @ 81.6Ft, 83.6Ft, 85Ft								
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	FREQ.	CALC. POWER DENS	MAX. PERMISS. EXP.	FRACTION MPE	Total
*UCONN Police	3	197	180	866	0.007019934	0.5773333	0.001215924	
*Existing					0.153		0.1412	
*AT&T	2	414	185	850	0.009293265	0.5666667	0.001639988	
*AT&T	2	1297	185	850	0.029114406	0.5666667	0.005137836	
*AT&T	2	1079	185	700	0.024220851	0.4666667	0.005190182	
*AT&T	2	1876	185	2300	0.042111508	1	0.004211151	
*AT&T	2	1183	185	700	0.0266	0.4667	0.57%	
*AT&T	2	1596	185	2100	0.0358	1.0000	0.36%	
*AT&T	2	1423	185	1900	0.0319	1.0000	0.32%	
*AT&T	2	1239	185	700	0.0278	0.4667	0.60%	
*AT&T	2	1876	185	1900	0.0421	1.0000	0.42%	
*Nextel	9	100	240	851	0.0059	0.5673	0.10%	
*Pocket (now MetroPCS)	3	631	230	2130	0.0136	1.0000	0.14%	
VZW 700	4	1007	83.6	751	0.0207	0.5007	4.14%	
VZW CDMA	2	405	83.6	869	0.0042	0.5793	0.72%	
VZW Cellular	4	1224	83.6	869	0.0252	0.5793	4.35%	
VZW PCS	4	2255	83.6	1980	0.0464	1.0000	4.64%	
VZW AWS	4	2467	83.6	2125	0.0508	1.0000	5.08%	
VZW CBAND	4	6531	85	3730	0.1300	1.0000	13.00%	
VZW CBRS	4	12	81.6	3625	0.0003	1.0000	0.03%	
								50.32%
* Source: Siting Council								

ATTACHMENT 4

Structural Analysis Report

327' Existing Guyed Lattice Tower

Verizon Site Ref: Storrs

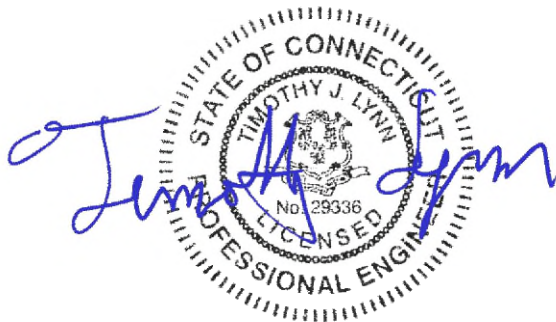
*North Eagleville Road
Mansfield, CT*

Centek Project No. 21007.33

~~*Date: November 4, 2021*~~

Rev 1: September 1, 2022

Max Stress Ratio = 81.3%



Prepared for:

Verizon Wireless
20 Alexander Drive
Wallingford, CT 06492

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- TOWER CAPACITY
- CONCLUSION AND RECOMMENDATIONS

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Introduction

The purpose of this report is to summarize the results of the non-linear, P- Δ structural analysis of the antenna upgrade proposed by Verizon on the existing guyed lattice tower located in Storrs, CT.

The host tower is a 327-ft, three legged, guyed lattice tower. The original tower design documents were unavailable for use in this report. The tower geometry, structure member sizes and foundation information were obtained from a previous structural report prepared by Paul J. Ford & Company job no. 42917-0010.002.8800_R1 dated January 9, 2018.

Antenna and appurtenance information were obtained from a previous structural report prepared by Centek job no. 17004.42 dated January 18, 2018 and a RF data sheet.

The tower consists of one (1) pole section, fifteen (15) straight and one (1) tapered base vertical sections consisting of solid round legs steel grade of ASTM A572-50. Diagonal and horizontal lateral support bracing consists of solid round steel grade of ASTM A36. The vertical tower sections are connected by bolted flanges with the diagonal and horizontal bracing to legs consisting of welded connections. The width of the tower face is 3.67-ft throughout its length.

Antenna and Appurtenance Summary

The existing and proposed loads considered in the analysis consist of the following:

- UNKNOWN (EXISTING):
Antennas: One (1) 4-ft lighting rod and one (1) light beacon mounted to the top of the tower.
Cables: One (1) 1/2" rigid conduit
- UNKNOWN (EXISTING):
Antennas: One (1) Shively Labs 6813 FM antenna and one (1) Celwave PD1110 omni-directional antenna flush mounted with an elevation of 305-ft above grade.
Cables: One (1) 7/8" \varnothing and one (1) 1/2" \varnothing coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Celwave PD1110 omni-directional antenna mounted on one (1) 4-ft sidearm with an elevation of 277-ft above grade.
Cables: One (1) 1/2" \varnothing coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Kathrein Scala OGT9-840 and one (1) Decibel DB810K omni-directional antennas mounted on 3-ft side arms with an elevation of 267-ft above grade.
Cables: Two (2) 1-5/8" \varnothing coax cables running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Kathrein Scala AP14-850/105 panel antenna mounted on a 3-ft standoff with an elevation of 261-ft above grade.
Cables: One (1) 1-5/8" \varnothing coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.

- UNKNOWN (EXISTING):
Antennas: Two (2) Kathrein Scala OGT9-840 omni-directional antennas (inverted) leg mounted with an elevation of 256.5-ft above grade.
Cables: Two (2) 1-5/8" Ø coax cables running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Kathrein Scala AP14-850/105 panel antenna mounted on a 3-ft standoff with an elevation of 252-ft above grade.
Cables: One (1) 1-5/8" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: Three (3) Sinclair SC479-HF1LDF omni-directional antennas, two (2) Bird 432-83H-01T tower top amplifiers and two (2) Antel BXA-70063/2CF panel antennas mounted on two (2) sector mounts with an elevation of 250-ft above grade.
Cables: Five (5) 1-5/8" Ø and two (2) 1/2 "Ø coax cables running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: Two (2) Sinclair SC479-HF1LDF omni-directional antennas and one (1) Bird 432-83H-01T tower top amplifier mounted on one (1) sector mount with an elevation of 240-ft above grade.
Cables: Two (2) 1-5/8" Ø and one (1) 1/2 "Ø coax cables running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Shively Labs 6813 FM antenna flush mounted with an elevation of 211-ft above grade.
Cables: One (1) 7/8" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (RESERVED):
Antennas: One (1) RFI BA40-67-DIN dipole antenna leg mounted with an elevation of 205-ft above grade.
Cables: One (1) 7/8" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Shively Labs 6813 FM antenna flush mounted with an elevation of 198-ft above grade.
Cables: One (1) 1/2" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Shively Labs 6812 FM antenna flush mounted with an elevation of 198-ft above grade.
Cables: One (1) 7/8" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.

- UNKNOWN (EXISTING):
Antennas: One (1) 6-ft Yagi antenna flush mounted with an elevation of 190-ft above grade.
Cables: One (1) 1/2" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) 2'x1'x5" panel antenna flush mounted with an elevation of 172'-2"-ft above grade.
Cables: One (1) 7/8" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) 8' omni-directional antenna flush mounted with an elevation of 172-ft above grade.
Cables: One (1) 7/8" Ø coax cables running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) 2'x1'x5" panel antenna flush mounted with an elevation of 158'-10"-ft above grade.
Cables: One (1) 1/2" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: Three (3) light beacons mounted to the tower with an elevation of 157'.
Cables: One (1) 1/2" rigid conduit.
- UNKNOWN (RESERVED):
Antennas: One (1) RFI BA40-67-DIN dipole antenna leg mounted with an elevation of 150-ft above grade.
Cables: One (1) 7/8" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: Two (2) 6-ft microwave dishes pipe mounted with a RAD center elevation of 116-ft above grade.
Cables: Two (2) EW63 cables running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Celwave PD1110 omni-directional antenna mounted on one (1) 2-ft sidearm with an elevation of 112-ft above grade.
Cables: One (1) 7/8" Ø coax cables running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (FUTURE):
Antennas: One (1) 6-ft microwave dish pipe mounted with a RAD center elevation of 104-ft above grade.
Cables: One (1) EW63 cable running on a leg/face of the existing tower as specified in Section 3 of this report.

- UNKNOWN (EXISTING):
Antennas: One (1) Kathrein PR-850 paralector leg mounted with an elevation of 94-ft above grade.
Cables: One (1) 1/2" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Decibel ASP-962 yagi leg mounted with an elevation of 94-ft above grade.
Cables: One (1) 1/2" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) Decibel DB212-1 dipole leg mounted with an elevation of 70-ft above grade.
Cables: One (1) 7/8" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- UNKNOWN (EXISTING):
Antennas: One (1) 6-ft yagi mounted on a 2-ft sidearm with an elevation of 18-ft above grade.
Cables: One (1) 1/2" Ø coax cable running on a leg/face of the existing tower as specified in Section 3 of this report.
- AT&T (EXISTING TO REMAIN):
Antennas: Three (3) Powerwave 7770 panel antennas, one (1) CCI OPA-65R-LCUU-H6 panel antenna, two (2) CCI OPA-65R-LCUU-H8 panel antennas, one (1) CCI HPA-65R-BUU-H6 panel antenna, two (2) CCI HPA-65R-BUU-H8 panel antennas, two (2) CCI TPA-65R-LCUUUU-H8 panel antenna, one (1) Qunitel QS66512-2 panel antenna, three (3) CCI DTMAP7819VG12A TMAs, six (6) CCI TPX-070821 triplexers, three (3) Ericsson RRUS-11, six (6) Ericsson RRUS-32, six (6) Ericsson RRUS-32, three (3) B14 4478 and three (3) Raycap DC6-48-60-18-8F surge arrestors mounted on three (3) 12-ft V-Frames with a RAD center elevation of 185-ft above grade level.
Coax Cables: Twelve (12) 1-5/8" Ø coax cables, three (3) fiber cables and six (6) dc control cables running on the inside of the existing tower.
- VERIZON (EXISTING TO REMAIN):
Antennas: Three (3) Antel BXA-80063-4CF panel antennas, four (4) Andrew JAHH-65B-R3B panel antennas, four (4) Andrew JAHH-45B-R3B panel antennas and two (2) Raycap RVZDC-6627-PF-48 distribution boxes mounted on (1) 13-ft platform w/ handrails with a rad center elevation of 84-ft above grade level.
Cables: Six (6) 1-1/4" Ø coax cables and two (2) 1-1/4" Ø fiber cables running on a leg/face of the existing tower as specified in Section 3 of this report.
- VERIZON (EXISTING TO REMOVE):
Antennas: Four (4) B13 RRH 4x30, eight (8) B25 RRH 4x30 and four (4) B66Z RRH 4x45 mounted on (1) 13-ft platform w/ handrails with a rad center elevation of 84-ft above grade level.

▪ **VERIZON (PROPOSED):**

Antennas: Four (4) Samsung XXDWMM-12.5-65 panel antennas, four (4) Samsung MT6407-77A panel antennas, four (4) Samsung B2/B66A remote radio heads, four (4) Samsung B5/B13 remote radio heads, four (4) CBRS remote radio heads and four (4) Commscope CBC78T-DS-43 diplexers mounted on (1) 13-ft platform w/ handrails with a rad center elevation of 84-ft above grade level.

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Primary Assumptions Used in the Analysis

- The tower structure's theoretical capacity not including any assessment of the condition of the tower.
- The tower carries the horizontal and vertical loads due to the weight of antennas, ice load and wind.
- Tower is properly installed and maintained.
- Tower is in plumb condition.
- Tower loading for antennas and mounts as listed in this report.
- All bolts are appropriately tightened providing the necessary connection continuity.
- All welds are fabricated with ER-70S-6 electrodes.
- All members are assumed to be as specified in the original tower design documents.
- All members are "hot dipped" galvanized in accordance with ASTM A123 and ASTM A153 Standards.
- All member protective coatings are in good condition.
- All tower members were properly designed, detailed, fabricated, installed and have been properly maintained since erection.
- Any deviation from the analyzed antenna loading will require a new analysis for verification of structural adequacy.
- All coax cables routed as specified in Section 3 of this report.
- **The Verizon antenna mount information was taken from the mount analysis report prepared by Maser Consulting job no. 21781092A dated November 29, 2021 and construction drawings prepared by Centek dated September 1, 2022.**

A n a l y s i s

The existing tower was analyzed using a comprehensive computer program entitled tnxTower. The program analyzes the tower, considering the worst case loading condition. The tower is considered as loaded by concentric forces along the tower, and the model assumes that the tower members are subjected to bending, axial, and shear forces.

The existing tower was analyzed for the controlling basic wind speed (3-second gust) with no ice and the applicable wind and ice combination to determine stresses in members as per guidelines of TIA-222-G-2005 entitled "Structural Standard for Antenna Support Structures and Antennas", the American Institute of Steel Construction (AISC) and the Manual of Steel Construction; Load and Resistance Factor Design (LRFD).

The controlling wind speed is determined by evaluating the local available wind speed data as provided in Appendix N of the CSBC¹ and the wind speed data available in the TIA-222-G-2005 Standard.

T o w e r L o a d i n g

Tower loading was determined by the basic wind speed as applied to projected surface areas with modification factors per TIA-222-G-2005, gravity loads of the tower structure and its components, and the application of 1.00" radial ice on the tower structure and its components.

Basic Wind Speed:	Tolland County; v = 95-105 mph (3-second gust)	[Annex B of TIA-222-G-2005]
	Storrs; v = 101 mph (3 second gust)	[Appendix N of the 2016 CT Building Code]
Load Cases:	<u>Load Case 1</u> ; 101 mph wind speed w/ no ice plus gravity load – used in calculation of tower stresses and rotation.	[Appendix N of the 2016 CT Building Code]
	<u>Load Case 2</u> ; 40 mph wind speed w/ 1.00" radial ice plus gravity load – used in calculation of tower stresses.	[Annex B of TIA-222-G-2005]

¹ The 2012 International Building Code as amended by the 2016 Connecticut State Building Code (CSBC).

Tower Capacity

- Calculated stresses were found to be within allowable limits.

Tower Section	Elevation	Stress Ratio (percentage of capacity)	Result
Leg (T8)	140'-0"-160'-0"	80.0%	PASS
Diagonal (T11)	80'-0"-100'-0"	54.0%	PASS
Horizontal (T1)	280'-0"-288'-0"	81.3%	PASS
Guy A @ 235-ft radius (T13)	56.5-ft	64.5%	PASS

Foundations and Anchorage

The existing tower base foundation consists of a 3.0-ft diameter x 2.5-ft long reinforced concrete pier on a 10-ft square x 2.0-ft thick reinforced concrete pad bearing directly on the existing sub grade. Additionally, guy wire loading is transferred to three (3) 4.5'x4.0'x24.0' concrete support blocks. The sub-grade conditions used as the basis for the foundation analysis were derived from the aforementioned structural report.

- The worst case tower base and guy anchor reactions developed from the governing Load Case 1 were used in the verification of the anchorage foundations:

Tower Guy Reactions	
Vector	Inner
Horizontal (In Plane of GW)	133 kips
Horizontal (Out of Plane of GW)	5 kips
Vertical	111 kips
Resultant Force at end of Guy Wire	173 kips
Tower Base Reactions	
Vector	Proposed Reaction
Horizontal Shear	6.0 kips
Axial Compression	572.0 kips

Foundation	Design Limit	TIA-222-G Section 9.4 FS ⁽¹⁾	Proposed Loading (FS) ⁽¹⁾	Result
Reinf. Conc. Anchor Block	Uplift	1.0	2.23	PASS
	Sliding	1.0	3.0	PASS
		Ultimate Bearing	Proposed	
Base Foundation	Bearing	11.0 ksf	6.05 ksf	PASS

| Note 1: FS denotes 'Factor of Safety'.

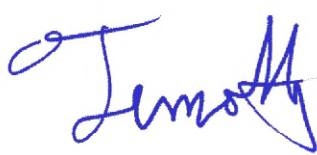
Conclusion

This analysis shows that the subject tower **is adequate** to support the proposed modified antenna configuration with the below recommendations.

The analysis is based, in part, on the information provided to this office by Verizon. If the existing conditions are different than the information in this report, Centek Engineering, Inc. must be contacted for resolution of any potential issues.

Please feel free to call with any questions or comments.

Respectfully Submitted by:



Timothy J. Lynn, PE
 Structural Engineer



*Standard Conditions for Furnishing of
Professional Engineering Services on
Existing Structures*

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessarily limited to:

- Information supplied by the client regarding the structure itself, its foundations, the soil conditions, the antenna and feed line loading on the structure and its components, or other relevant information.
- Information from the field and/or drawings in the possession of Centek Engineering, Inc. or generated by field inspections or measurements of the structure.
- It is the responsibility of the client to ensure that the information provided to Centek Engineering, Inc. and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and are in an un-corroded condition and have not deteriorated. It is therefore assumed that its capacity has not significantly changed from the “as new” condition.
- All services will be performed to the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed in writing. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement. In the absence of information to the contrary, all work will be performed in accordance with the latest revision of ANSI/ASCE10 & ANSI/EIA-222
- All services performed, results obtained, and recommendations made are in accordance with generally accepted engineering principles and practices. Centek Engineering, Inc. is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

GENERAL DESCRIPTION OF STRUCTURAL ANALYSIS PROGRAM

tnxTower, is an integrated structural analysis and design software package for Designed specifically for the telecommunications industry, tnxTower, formerly ERITower, automates much of the tower analysis and design required by the TIA/EIA 222 Standard.

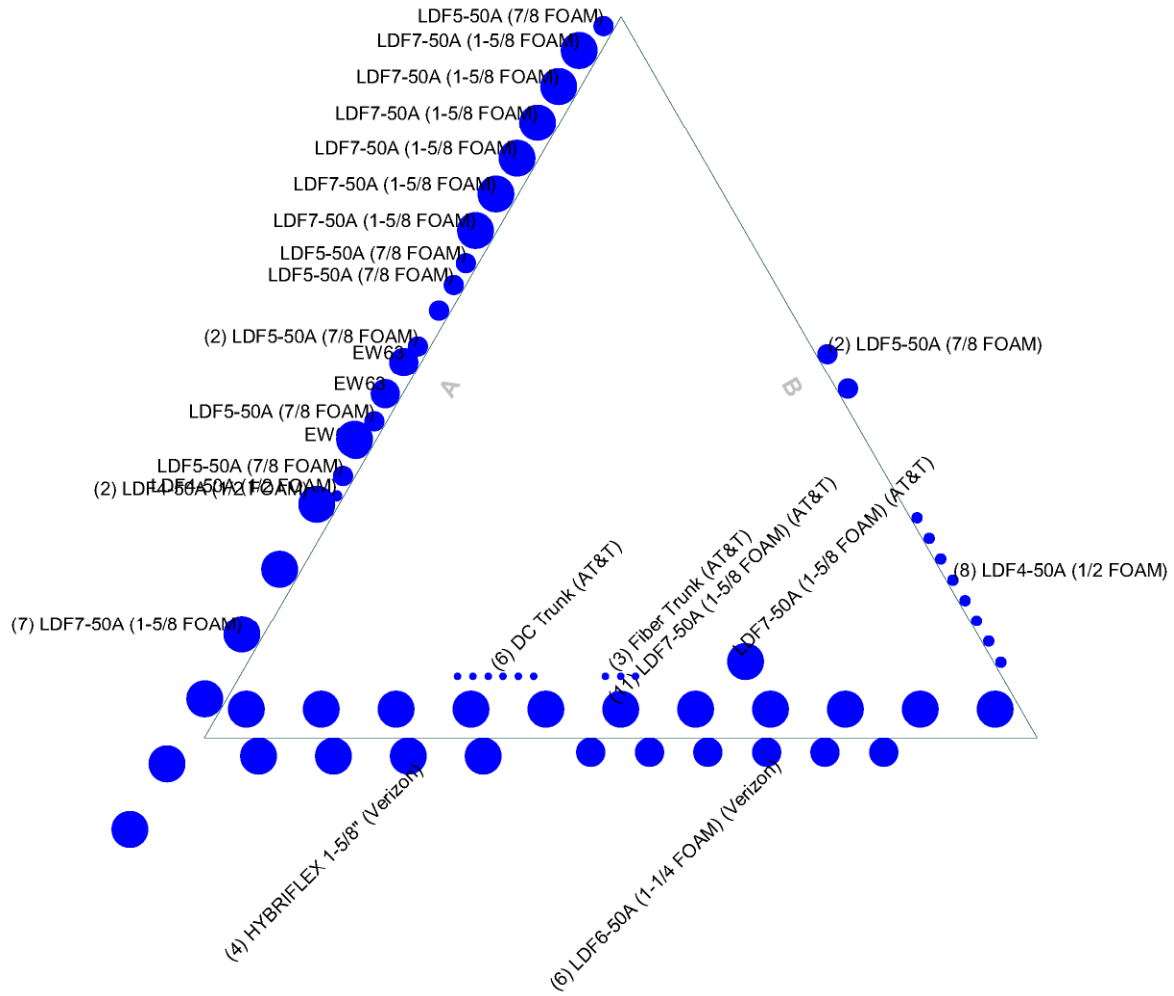
tnxTower Features:

- tnxTower can analyze and design 3- and 4-sided guyed towers, 3- and 4-sided self-supporting towers and either round or tapered ground mounted poles with or without guys.
- The program analyzes towers using the TIA-222-G (2005) standard or any of the previous TIA/EIA standards back to RS-222 (1959). Steel design is checked using the AISC ASD 9th Edition or the AISC LRFD specifications.
- Linear and non-linear (P-delta) analyses can be used in determining displacements and forces in the structure. Wind pressures and forces are automatically calculated.
- Extensive graphics plots include material take-off, shear-moment, leg compression, displacement, twist, feed line, guy anchor and stress plots.
- tnxTower contains unique features such as True Cable behavior, hog rod take-up, foundation stiffness and much more.

Section	T16	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82	T83	T84	T85	T86	T87	T88	T89	T90	T91	T92	T93	T94	T95	T96	T97	T98	T99	T100	T101	T102	T103	T104	T105	T106	T107	T108	T109	T110	T111	T112	T113	T114	T115	T116	T117	T118	T119	T120	T121	T122	T123	T124	T125	T126	T127	T128	T129	T130	T131	T132	T133	T134	T135	T136	T137	T138	T139	T140	T141	T142	T143	T144	T145	T146	T147	T148	T149	T150	T151	T152	T153	T154	T155	T156	T157	T158	T159	T160	T161	T162	T163	T164	T165	T166	T167	T168	T169	T170	T171	T172	T173	T174	T175	T176	T177	T178	T179	T180	T181	T182	T183	T184	T185	T186	T187	T188	T189	T190	T191	T192	T193	T194	T195	T196	T197	T198	T199	T200	T201	T202	T203	T204	T205	T206	T207	T208	T209	T210	T211	T212	T213	T214	T215	T216	T217	T218	T219	T220	T221	T222	T223	T224	T225	T226	T227	T228	T229	T230	T231	T232	T233	T234	T235	T236	T237	T238	T239	T240	T241	T242	T243	T244	T245	T246	T247	T248	T249	T250	T251	T252	T253	T254	T255	T256	T257	T258	T259	T260	T261	T262	T263	T264	T265	T266	T267	T268	T269	T270	T271	T272	T273	T274	T275	T276	T277	T278	T279	T280	T281	T282	T283	T284	T285	T286	T287	T288	T289	T290	T291	T292	T293	T294	T295	T296	T297	T298	T299	T300	T301	T302	T303	T304	T305	T306	T307	T308	T309	T310	T311	T312	T313	T314	T315	T316	T317	T318	T319	T320	T321	T322	T323	T324	T325	T326	T327	T328	T329	T330	T331	T332	T333	T334	T335	T336	T337	T338	T339	T340	T341	T342	T343	T344	T345	T346	T347	T348	T349	T350	T351	T352	T353	T354	T355	T356	T357	T358	T359	T360	T361	T362	T363	T364	T365	T366	T367	T368	T369	T370	T371	T372	T373	T374	T375	T376	T377	T378	T379	T380	T381	T382	T383	T384	T385	T386	T387	T388	T389	T390	T391	T392	T393	T394	T395	T396	T397	T398	T399	T400	T401	T402	T403	T404	T405	T406	T407	T408	T409	T410	T411	T412	T413	T414	T415	T416	T417	T418	T419	T420	T421	T422	T423	T424	T425	T426	T427	T428	T429	T430	T431	T432	T433	T434	T435	T436	T437	T438	T439	T440	T441	T442	T443	T444	T445	T446	T447	T448	T449	T450	T451	T452	T453	T454	T455	T456	T457	T458	T459	T460	T461	T462	T463	T464	T465	T466	T467	T468	T469	T470	T471	T472	T473	T474	T475	T476	T477	T478	T479	T480	T481	T482	T483	T484	T485	T486	T487	T488	T489	T490	T491	T492	T493	T494	T495	T496	T497	T498	T499	T500	T501	T502	T503	T504	T505	T506	T507	T508	T509	T510	T511	T512	T513	T514	T515	T516	T517	T518	T519	T520	T521	T522	T523	T524	T525	T526	T527	T528	T529	T530	T531	T532	T533	T534	T535	T536	T537	T538	T539	T540	T541	T542	T543	T544	T545	T546	T547	T548	T549	T550	T551	T552	T553	T554	T555	T556	T557	T558	T559	T560	T561	T562	T563	T564	T565	T566	T567	T568	T569	T570	T571	T572	T573	T574	T575	T576	T577	T578	T579	T580	T581	T582	T583	T584	T585	T586	T587	T588	T589	T590	T591	T592	T593	T594	T595	T596	T597	T598	T599	T600	T601	T602	T603	T604	T605	T606	T607	T608	T609	T610	T611	T612	T613	T614	T615	T616	T617	T618	T619	T620	T621	T622	T623	T624	T625	T626	T627	T628	T629	T630	T631	T632	T633	T634	T635	T636	T637	T638	T639	T640	T641	T642	T643	T644	T645	T646	T647	T648	T649	T650	T651	T652	T653	T654	T655	T656	T657	T658	T659	T660	T661	T662	T663	T664	T665	T666	T667	T668	T669	T670	T671	T672	T673	T674	T675	T676	T677	T678	T679	T680	T681	T682	T683	T684	T685	T686	T687	T688	T689	T690	T691	T692	T693	T694	T695	T696	T697	T698	T699	T700	T701	T702	T703	T704	T705	T706	T707	T708	T709	T710	T711	T712	T713	T714	T715	T716	T717	T718	T719	T720	T721	T722	T723	T724	T725	T726	T727	T728	T729	T730	T731	T732	T733	T734	T735	T736	T737	T738	T739	T740	T741	T742	T743	T744	T745	T746	T747	T748	T749	T750	T751	T752	T753	T754	T755	T756	T757	T758	T759	T760	T761	T762	T763	T764	T765	T766	T767	T768	T769	T770	T771	T772	T773	T774	T775	T776	T777	T778	T779	T780	T781	T782	T783	T784	T785	T786	T787	T788	T789	T790	T791	T792	T793	T794	T795	T796	T797	T798	T799	T800	T801	T802	T803	T804	T805	T806	T807	T808	T809	T810	T811	T812	T813	T814	T815	T816	T817	T818	T819	T820	T821	T822	T823	T824	T825	T826	T827	T828	T829	T830	T831	T832	T833	T834	T835	T836	T837	T838	T839	T840	T841	T842	T843	T844	T845	T846	T847	T848	T849	T850	T851	T852	T853	T854	T855	T856	T857	T858	T859	T860	T861	T862	T863	T864	T865	T866	T867	T868	T869	T870	T871	T872	T873	T874	T875	T876	T877	T878	T879	T880	T881	T882	T883	T884	T885	T886	T887	T888	T889	T890	T891	T892	T893	T894	T895	T896	T897	T898	T899	T900	T901	T902	T903	T904	T905	T906	T907	T908	T909	T910	T911	T912	T913	T914	T915	T916	T917	T918	T919	T920	T921	T922	T923	T924	T925	T926	T927	T928	T929	T930	T931	T932	T933	T934	T935	T936	T937	T938	T939	T940	T941	T942	T943	T944	T945	T946	T947	T948	T949	T950	T951	T952	T953	T954	T955	T956	T957	T958	T959	T960	T961	T962	T963	T964	T965	T966	T967	T968	T969	T970	T971	T972	T973	T974	T975	T976	T977	T978	T979	T980	T981	T982	T983	T984	T985	T986	T987	T988	T989	T990	T991	T992	T993	T994	T995	T996	T997	T998	T999	T1000	T1001	T1002	T1003	T1004	T1005	T1006	T1007	T1008	T1009	T1010	T1011	T1012	T1013	T1014	T1015	T1016	T1017	T1018	T1019	T1020	T1021	T1022	T1023	T1024	T1025	T1026	T1027	T1028	T1029	T1030	T1031	T1032	T1033	T1034	T1035	T1036	T1037	T1038	T1039	T1040	T1041	T1042	T1043	T1044	T1045	T1046	T1047	T1048	T1049	T1050	T1051	T1052	T1053	T1054	T1055	T1056	T1057	T1058	T1059	T1060	T1061	T1062	T1063	T1064	T1065	T1066	T1067	T1068	T1069	T1070	T1071	T1072	T1073	T1074	T1075	T1076	T1077	T1078	T1079	T1080	T1081	T1082	T1083	T1084	T1085	T1086	T1087	T1088	T1089	T1090	T1091	T1092	T1093	T1094	T1095	T1096	T1097	T1098	T1099	T1100	T1101	T1102	T1103	T1104	T1105	T1106	T1107	T1108	T1109	T1110	T1111	T1112	T1113	T1114	T1115	T1116	T1117	T1118	T1119	T1120	T1121	T1122	T1123	T1124	T1125	T1126	T1127	T1128	T1129	T1130	T1131	T1132	T1133	T1134	T1135	T1136	T1137	T1138	T1139	T1140	T1141	T1142	T1143	T1144	T1145	T1146	T1147	T1148	T1149	T1150	T1151	T1152	T1153	T1154	T1155	T1156	T1157	T1158	T1159	T1160	T1161	T1162	T1163	T1164	T1165	T1166	T1167	T1168	T1169	T1170	T1171	T1172	T1173	T1174	T1175	T1176	T1177	T1178	T1179	T1180	T1181	T1182	T1183	T1184	T1185	T1186	T1187	T1188	T1189	T1190	T1191	T1192	T1193	T1194	T1195	T1196	T1197	T1198	T1199	T1200	T1201	T1202	T1203	T1204	T1205	T1206	T1207	T1208	T1209	T1210	T1211	T1212	T1213	T1214	T1215	T1216	T1217	T1218	T1219	T1220	T1221	T1222	T1223	T1224	T1225	T1226	T1227	T1228	T1229	T1230	T1231	T1232	T1233	T1234	T1235	T1236	T1237	T1238	T1239	T1240	T1241	T1242	T1243	T1244	T1245	T1246	T1247	T1248	T1249	T1250	T1251	T1252	T1253	T1254	T1255	T1256	T1257	T1258	T1259	T1260	T1261	T1262	T1263	T1264	T1265	T1266	T1267	T1268	T1269	T1270	T1271	T1272	T1273	T1274	T1275	T1276	T1277	T1278	T1279	T1280	T1281	T1282	T1283	T1284	T1285	T1286	T1287	T1288	T1289	T1290	T1291	T1292	T1293	T1294	T1295	T1296	T1297	T1298	T1299	T1300	T1301	T1302	T1303	T1304	T1305	T1306	T1307	T1308	T1309	T1310	T1311	T1312	T1313	T1314	T1315	T1316	T1317	T1318	T1319	T1320	T1321	T1322	T1323	T1324	T1325	T1326	T1327	T1328	T1329	T1330	T1331	T1332	T1333	T1334	T1335	T1336	T1337	T1338	T1339	T1340	T1341	T1342	T1343	T1344	T1345	T1346	T1347	T1348	T1349	T1350	T1351	T1352	T1353	T1354	T1355	T1356	T1357	T1358	T1359	T1360	T1361	T1362	T1363	T1364	T1365	T1366	T1367	T1368	T1369	T1370	T1371	T1372	T1373	T1374	T1375	T1376	T1377	T1378	T1379	T1380	T1381	T1382	T1383	T1384	T1385	T1386	T1387	T1388	T1389	T1390	T1391	T1392	T1393	T1394	T1395	T1396	T1397	T1398	T1399	T1400	T1401	T1402	T1403	T1404	T1405	T1406	T1407	T1408	T1409	T1410	T1411	T1412	T1413	T1414	T1415	T1416	T1417	T1418	T1419	T1420	T1421	T1422	T1423	T1424	T1425	T1426	T1427	T1428	T1429	T1430	T1431	T1432	T1433	T1434	T1435	T1436	T1437	T1438	T1439	T1440	T1441	T1442	T1443	T1444	T1445	T1446	T1447	T1448	T1449	T1450	T1451	T1452	T1453	T1454	T1455	T1456	T1457	T1458	T1459	T1460	T1461	T1462	T1463	T1464	T1465	T1466	T1467	T1468	T1469	T1470	T1471	T1472	T1473	T1474	T1475	T1476	T1477	T1478	T1479	T1480	T1481	T1482	T1483	T1484	T1485	T1486	T1487	T1488	T1489	T1490	T1491	T1492	T1493	T1494	T1495	T1496	T1497	T1498	T1499	T1500	T1501	T1502	T1503	T1504	T1505	T1506	T1
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Feed Line Plan

Round Flat App In Face App Out Face

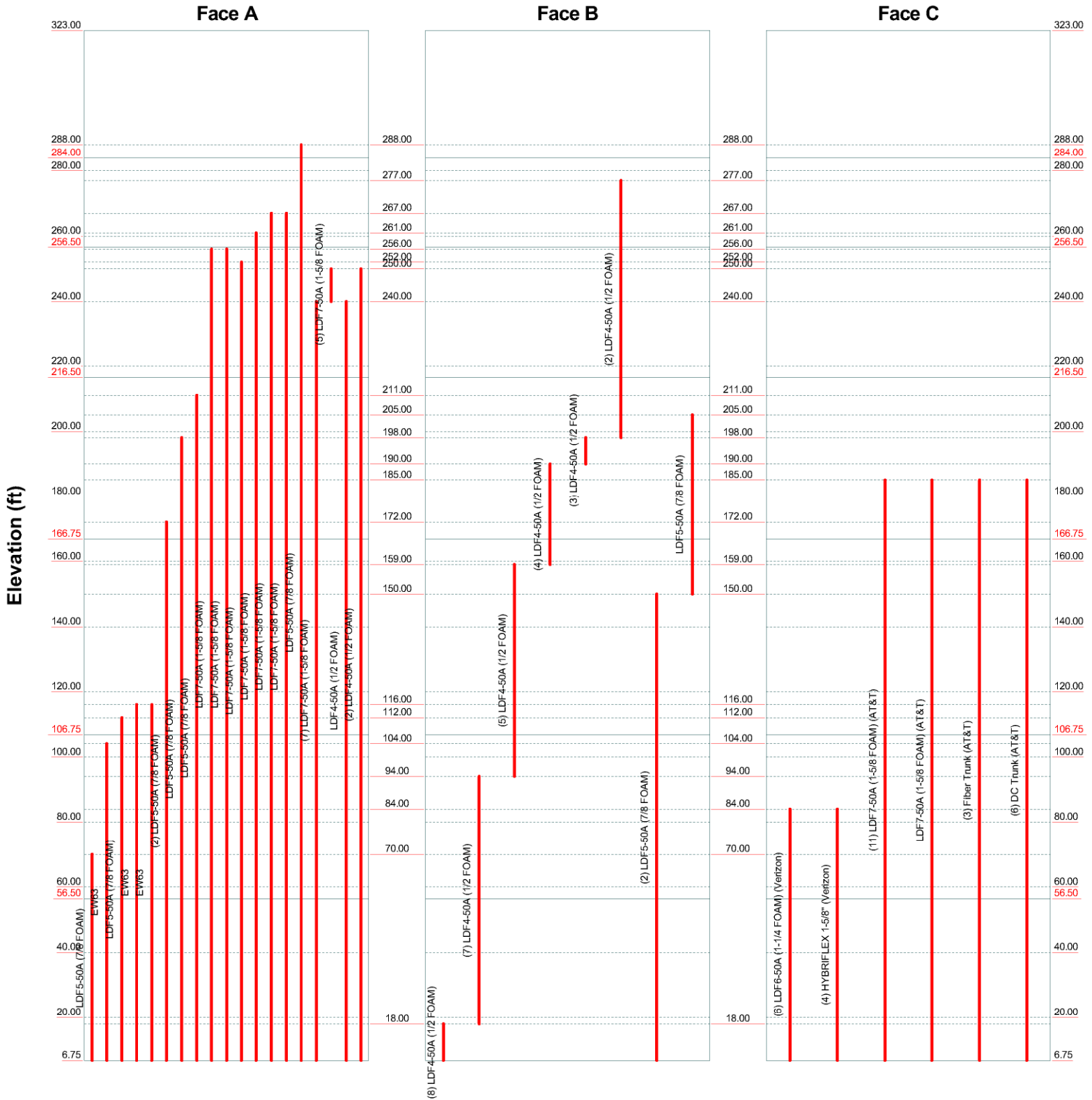


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Client: Verizon		Drawn by: TJL		App'd:	
Code: TIA-222-G		Date: 11/04/21		Scale: NTS	
Path:				Dwg No. E-7	

Feed Line Distribution Chart

6'9" - 323'

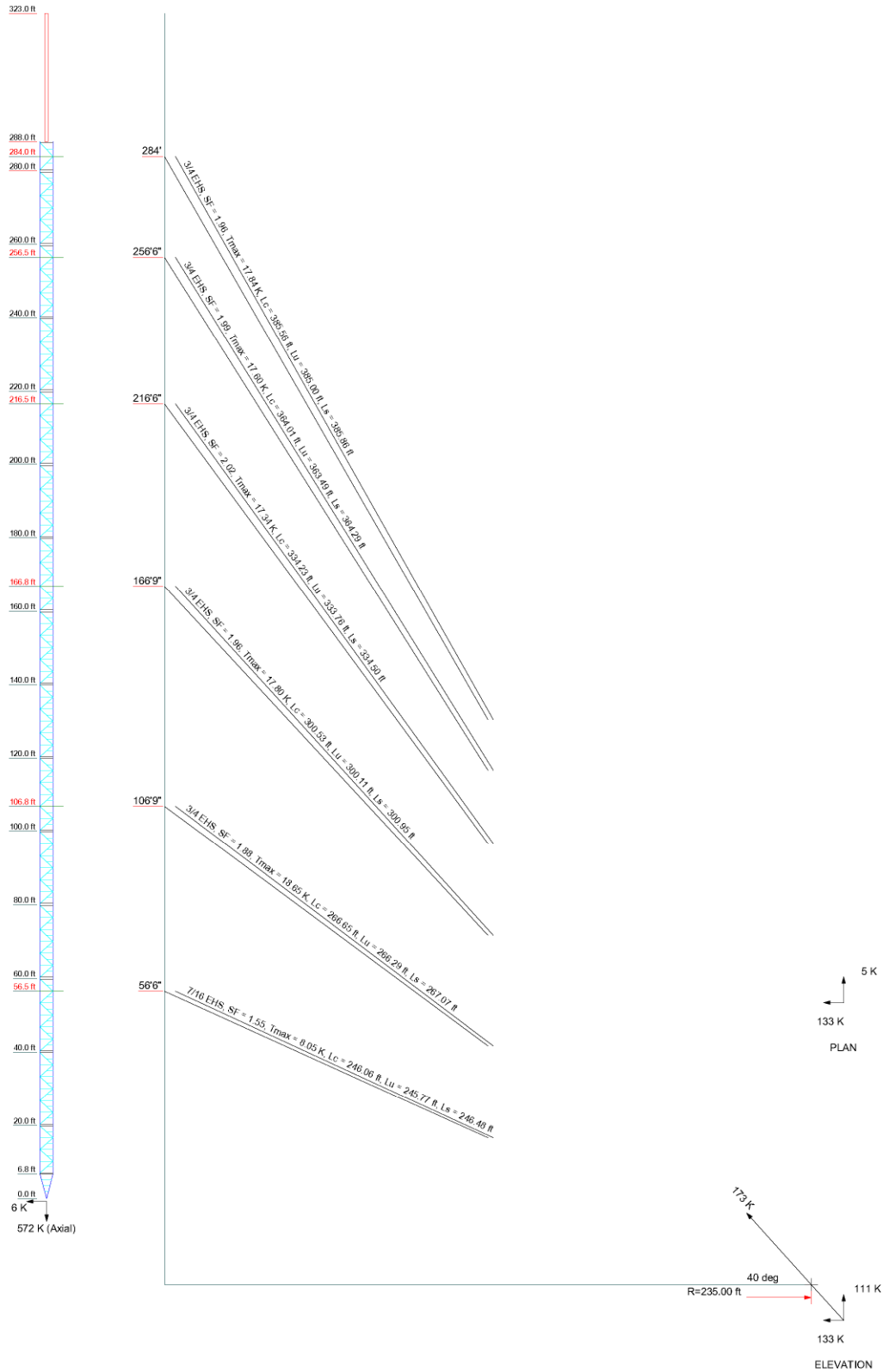
Round Flat App In Face App Out Face Truss Leg



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Path:				Dwg No. E-7	

Guy Tensions and Tower Reactions
TIA-222-G - 101 mph/40 mph 1.0000 in Ice Exposure C

Maximum Values
Anchor 'A'@235 ft Azimuth 0 deg Elev -23.4 ft
Plane through centroid of tower



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Tower Input Data

The main tower is a 3x guyed tower with an overall height of 323.00 ft above the ground line.

The base of the tower is set at an elevation of 0.00 ft above the ground line.

The face width of the tower is 3.67 ft at the top and tapered at the base.

An index plate is provided at the 3x guyed -tower connection.

There is a pole section.

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

The following design criteria apply:

Basic wind speed of 101 mph.

Structure Class II.

Exposure Category C.

Topographic Category 1.

Crest Height 0.00 ft.

Nominal ice thickness of 1.0000 in.

Ice thickness is considered to increase with height.

Ice density of 56 pcf.

A wind speed of 40 mph is used in combination with ice.

Temperature drop of 50 °F.

Deflections calculated using a wind speed of 60 mph.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Stress ratio used in tower member design is 1.

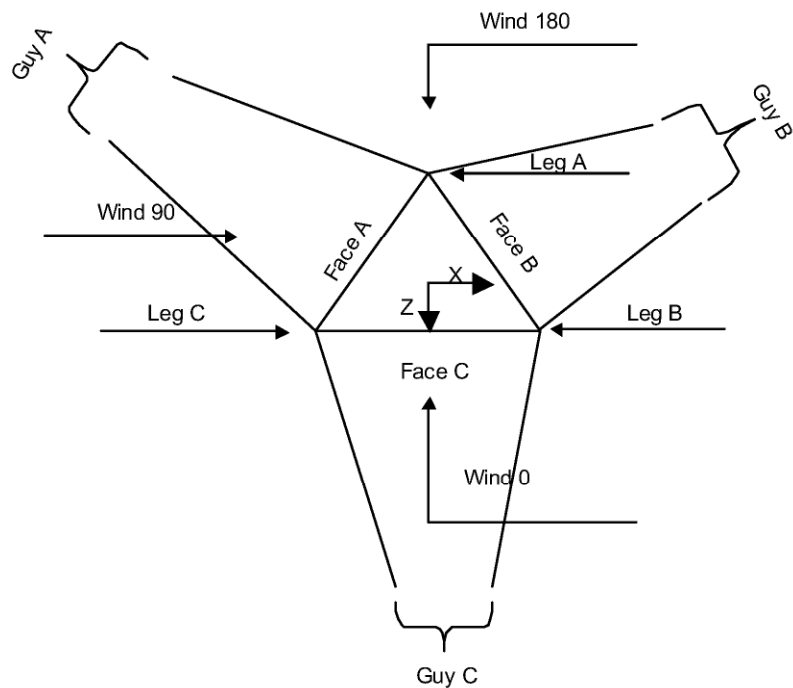
Safety factor used in guy design is 1.

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

Options

Consider Moments - Legs	Distribute Leg Loads As Uniform	Use ASCE 10 X-Brace Ly Rules
Consider Moments - Horizontals	Assume Legs Pinned	Calculate Redundant Bracing Forces
Consider Moments - Diagonals	√ Assume Rigid Index Plate	Ignore Redundant Members in FEA
Use Moment Magnification	√ Use Clear Spans For Wind Area	√ SR Leg Bolts Resist Compression
√ Use Code Stress Ratios	√ Use Clear Spans For KL/r	√ All Leg Panels Have Same Allowable
√ Use Code Safety Factors - Guys	√ Retension Guys To Initial Tension	Offset Girt At Foundation
Escalate Ice	Bypass Mast Stability Checks	√ Consider Feed Line Torque
Always Use Max Kz	√ Use Azimuth Dish Coefficients	Include Angle Block Shear Check
Use Special Wind Profile	√ Project Wind Area of Appurt.	Use TIA-222-G Bracing Resist. Exemption
√ Include Bolts In Member Capacity	√ Autocalc Torque Arm Areas	Use TIA-222-G Tension Splice Exemption
√ Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Poles
Secondary Horizontal Braces Leg	√ Sort Capacity Reports By Component	Include Shear-Torsion Interaction
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	Always Use Sub-Critical Flow
√ SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Use Top Mounted Sockets
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	Pole Without Linear Attachments
		Pole With Shroud Or No Appurtenances
		Outside and Inside Corner Radii Are
		Known

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Face Guyed

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	323.00-288.00	35.00	P10.75x0.843	A618-50 (50 ksi)	

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 323.00-288.00				1	1	1.025			

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Tower Section Geometry

<i>Tower Section</i>	<i>Tower Elevation</i>	<i>Assembly Database</i>	<i>Description</i>	<i>Section Width</i>	<i>Number of Sections</i>	<i>Section Length</i>
	<i>ft</i>			<i>ft</i>		<i>ft</i>
T1	288.00-280.00			3.67	1	8.00
T2	280.00-260.00			3.67	1	20.00
T3	260.00-240.00			3.67	1	20.00
T4	240.00-220.00			3.67	1	20.00
T5	220.00-200.00			3.67	1	20.00
T6	200.00-180.00			3.67	1	20.00
T7	180.00-160.00			3.67	1	20.00
T8	160.00-140.00			3.67	1	20.00
T9	140.00-120.00			3.67	1	20.00
T10	120.00-100.00			3.67	1	20.00
T11	100.00-80.00			3.67	1	20.00
T12	80.00-60.00			3.67	1	20.00
T13	60.00-40.00			3.67	1	20.00
T14	40.00-20.00			3.67	1	20.00
T15	20.00-6.75			3.67	1	13.25
T16	6.75-0.00			3.67	1	6.75

Tower Section Geometry (cont'd)

<i>Tower Section</i>	<i>Tower Elevation</i>	<i>Diagonal Spacing</i>	<i>Bracing Type</i>	<i>Has K Brace End Panels</i>	<i>Has Horizontals</i>	<i>Top Girt Offset</i>	<i>Bottom Girt Offset</i>
	<i>ft</i>	<i>ft</i>				<i>in</i>	<i>in</i>
T1	288.00-280.00	3.75	K Brace Left	No	Yes+Steps	3.0000	3.0000
T2	280.00-260.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T3	260.00-240.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T4	240.00-220.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T5	220.00-200.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T6	200.00-180.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T7	180.00-160.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T8	160.00-140.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T9	140.00-120.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T10	120.00-100.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T11	100.00-80.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T12	80.00-60.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T13	60.00-40.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T14	40.00-20.00	3.25	K Brace Left	No	Yes+Steps	3.0000	3.0000
T15	20.00-6.75	3.19	K Brace Left	No	Yes+Steps	3.0000	3.0000
T16	6.75-0.00	1.63	X Brace	No	Yes	0.0000	3.0000

Tower Section Geometry (cont'd)

<i>Tower Elevation</i>	<i>Leg Type</i>	<i>Leg Size</i>	<i>Leg Grade</i>	<i>Diagonal Type</i>	<i>Diagonal Size</i>	<i>Diagonal Grade</i>
<i>ft</i>						
T1 288.00-280.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	1 3/8	A36 (36 ksi)
T2 280.00-260.00	Solid Round	2	A572-50 (50 ksi)	Solid Round	1 3/8	A36 (36 ksi)

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<i>Tower Elevation ft</i>	<i>Leg Type</i>	<i>Leg Size</i>	<i>Leg Grade</i>	<i>Diagonal Type</i>	<i>Diagonal Size</i>	<i>Diagonal Grade</i>
T3 260.00-240.00	Solid Round	2 1/4	A572-50 (50 ksi)	Solid Round	1 3/8	A36 (36 ksi)
T4 240.00-220.00	Solid Round	2 1/4	A572-50 (50 ksi)	Solid Round	1 3/8	A36 (36 ksi)
T5 220.00-200.00	Solid Round	2 1/2	A572-50 (50 ksi)	Solid Round	1 1/2	A36 (36 ksi)
T6 200.00-180.00	Solid Round	2 1/2	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T7 180.00-160.00	Solid Round	2 3/4	A572-50 (50 ksi)	Solid Round	1 1/2	A36 (36 ksi)
T8 160.00-140.00	Solid Round	2 1/2	A572-50 (50 ksi)	Solid Round	1 3/8	A36 (36 ksi)
T9 140.00-120.00	Solid Round	2 3/4	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T10 120.00-100.00	Solid Round	2 3/4	A572-50 (50 ksi)	Solid Round	1 1/2	A36 (36 ksi)
T11 100.00-80.00	Solid Round	3	A572-50 (50 ksi)	Solid Round	1 3/8	A36 (36 ksi)
T12 80.00-60.00	Solid Round	3	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T13 60.00-40.00	Solid Round	3	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T14 40.00-20.00	Solid Round	3	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T15 20.00-6.75	Solid Round	3	A572-50 (50 ksi)	Solid Round	1 1/4	A36 (36 ksi)
T16 6.75-0.00	Solid Round	3	A572-50 (50 ksi)	Solid Round		A36 (36 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation ft</i>	<i>Top Girt Type</i>	<i>Top Girt Size</i>	<i>Top Girt Grade</i>	<i>Bottom Girt Type</i>	<i>Bottom Girt Size</i>	<i>Bottom Girt Grade</i>
T1 288.00-280.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T2 280.00-260.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T3 260.00-240.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T4 240.00-220.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T5 220.00-200.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T6 200.00-180.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T7 180.00-160.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T8 160.00-140.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T9 140.00-120.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T10 120.00-100.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T11 100.00-80.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)

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<i>Tower Elevation ft</i>	<i>Top Girt Type</i>	<i>Top Girt Size</i>	<i>Top Girt Grade</i>	<i>Bottom Girt Type</i>	<i>Bottom Girt Size</i>	<i>Bottom Girt Grade</i>
T12 80.00-60.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T13 60.00-40.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T14 40.00-20.00	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T15 20.00-6.75	Solid Round	1	A36 (36 ksi)	Solid Round	1	A36 (36 ksi)
T16 6.75-0.00	Flat Bar	12x3/8	A36 (36 ksi)	Flat Bar	12x3/8	A36 (36 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation ft</i>	<i>No. of Mid Girts</i>	<i>Mid Girt Type</i>	<i>Mid Girt Size</i>	<i>Mid Girt Grade</i>	<i>Horizontal Type</i>	<i>Horizontal Size</i>	<i>Horizontal Grade</i>
T1 288.00-280.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T2 280.00-260.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T3 260.00-240.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T4 240.00-220.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T5 220.00-200.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T6 200.00-180.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T7 180.00-160.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T8 160.00-140.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T9 140.00-120.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T10 120.00-100.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T11 100.00-80.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T12 80.00-60.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T13 60.00-40.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T14 40.00-20.00	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T15 20.00-6.75	None	Solid Round		A572-50 (50 ksi)	Solid Round	1	A36 (36 ksi)
T16 6.75-0.00	None	Solid Round		A572-50 (50 ksi)	Flat Bar	9x3/8	A36 (36 ksi)

Tower Section Geometry (cont'd)

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<i>Tower Elevation</i>	<i>Secondary Horizontal Type</i>	<i>Secondary Horizontal Size</i>	<i>Secondary Horizontal Grade</i>	<i>Inner Bracing Type</i>	<i>Inner Bracing Size</i>	<i>Inner Bracing Grade</i>
<i>ft</i>						
T1 288.00-280.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T2 280.00-260.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T3 260.00-240.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T4 240.00-220.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T5 220.00-200.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T6 200.00-180.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T7 180.00-160.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T8 160.00-140.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T9 140.00-120.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T10 120.00-100.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T11 100.00-80.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T12 80.00-60.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T13 60.00-40.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T14 40.00-20.00	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)
T15 20.00-6.75	Solid Round	1	A36 (36 ksi)	Solid Round		A572-50 (50 ksi)

Tower Section Geometry (cont'd)

<i>Tower Elevation</i>	<i>Gusset Area (per face)</i>	<i>Gusset Thickness</i>	<i>Gusset Grade</i>	<i>Adjust. Factor A_f</i>	<i>Adjust. Factor A_r</i>	<i>Weight Mult.</i>	<i>Double Angle Stitch Bolt Spacing Diagonals</i>	<i>Double Angle Stitch Bolt Spacing Horizontals</i>	<i>Double Angle Stitch Bolt Spacing Redundants</i>
<i>ft</i>	<i>ft²</i>	<i>in</i>					<i>in</i>	<i>in</i>	<i>in</i>
T1 288.00-280.00	0.00	0.0000	A36 (36 ksi)	1	1	1.025	36.0000	36.0000	36.0000
T2 280.00-260.00	0.00	0.0000	A36 (36 ksi)	1	1	1.025	36.0000	36.0000	36.0000
T3 260.00-240.00	0.00	0.0000	A36 (36 ksi)	1	1	1.025	36.0000	36.0000	36.0000
T4 240.00-220.00	0.00	0.0000	A36 (36 ksi)	1	1	1.025	36.0000	36.0000	36.0000
T5 220.00-200.00	0.00	0.0000	A36 (36 ksi)	1	1	1.025	36.0000	36.0000	36.0000
T6 200.00-180.00	0.00	0.0000	A36 (36 ksi)	1	1	1.025	36.0000	36.0000	36.0000
T7 180.00-160.00	0.00	0.0000	A36 (36 ksi)	1	1	1.025	36.0000	36.0000	36.0000
T8 160.00-140.00	0.00	0.0000	A36 (36 ksi)	1	1	1.025	36.0000	36.0000	36.0000
T9	0.00	0.0000	A36	1	1	1.025	36.0000	36.0000	36.0000

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Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontal in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
140.00-120.00			(36 ksi)						
T10	0.00	0.0000	A36	1	1	1.025	36.0000	36.0000	36.0000
120.00-100.00			(36 ksi)						
T11	0.00	0.0000	A36	1	1	1.025	36.0000	36.0000	36.0000
100.00-80.00			(36 ksi)						
T12	0.00	0.0000	A36	1	1	1.025	36.0000	36.0000	36.0000
80.00-60.00			(36 ksi)						
T13	0.00	0.0000	A36	1	1	1.025	36.0000	36.0000	36.0000
60.00-40.00			(36 ksi)						
T14	0.00	0.0000	A36	1	1	1.025	36.0000	36.0000	36.0000
40.00-20.00			(36 ksi)						
T15 20.00-6.75	0.00	0.0000	A36	1	1	1.025	36.0000	36.0000	36.0000
			(36 ksi)						
T16 6.75-0.00	0.00	0.0000	A36	1	1	1.025	36.0000	36.0000	36.0000
			(36 ksi)						

Tower Section Geometry (cont'd)

Tower Elevation	Calc K Single Angles	Calc K Solid Rounds	K Factors ¹							
			Legs	X Brace Diags	K Brace Diags	Single Diags	Girts	Horiz.	Sec. Horiz.	Inner Brace
				X Y	X Y	X Y	X Y	X Y	X Y	X Y
T1	Yes	Yes	1	1	1	1	1	1	1	1
288.00-280.00				1	1	1	1	1	1	1
T2	Yes	Yes	1	1	1	1	1	1	1	1
280.00-260.00				1	1	1	1	1	1	1
T3	Yes	Yes	1	1	1	1	1	1	1	1
260.00-240.00				1	1	1	1	1	1	1
T4	Yes	Yes	1	1	1	1	1	1	1	1
240.00-220.00				1	1	1	1	1	1	1
T5	Yes	Yes	1	1	1	1	1	1	1	1
220.00-200.00				1	1	1	1	1	1	1
T6	Yes	Yes	1	1	1	1	1	1	1	1
200.00-180.00				1	1	1	1	1	1	1
T7	Yes	Yes	1	1	1	1	1	1	1	1
180.00-160.00				1	1	1	1	1	1	1
T8	Yes	Yes	1	1	1	1	1	1	1	1
160.00-140.00				1	1	1	1	1	1	1
T9	Yes	Yes	1	1	1	1	1	1	1	1
140.00-120.00				1	1	1	1	1	1	1
T10	Yes	Yes	1	1	1	1	1	1	1	1
120.00-100.00				1	1	1	1	1	1	1
T11	Yes	Yes	1	1	1	1	1	1	1	1
100.00-80.00				1	1	1	1	1	1	1
T12	Yes	Yes	1	1	1	1	1	1	1	1
80.00-60.00				1	1	1	1	1	1	1
T13	Yes	Yes	1	1	1	1	1	1	1	1
60.00-40.00				1	1	1	1	1	1	1
T14	Yes	Yes	1	1	1	1	1	1	1	1
40.00-20.00				1	1	1	1	1	1	1
T15	Yes	Yes	1	1	1	1	1	1	1	1
20.00-6.75				1	1	1	1	1	1	1
T16 6.75-0.00	Yes	Yes	1	1	1	1	1	1	1	1

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Tower Elevation ft	Redundant Horizontal		Redundant Diagonal		Redundant Sub-Diagonal		Redundant Sub-Horizontal		Redundant Vertical		Redundant Hip		Redundant Hip Diagonal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T1	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
288.00-280.00														
T2	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
280.00-260.00														
T3	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
260.00-240.00														
T4	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
240.00-220.00														
T5	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
220.00-200.00														
T6	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
200.00-180.00														
T7	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
180.00-160.00														
T8	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
160.00-140.00														
T9	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
140.00-120.00														
T10	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
120.00-100.00														
T11	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
100.00-80.00														
T12	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
80.00-60.00														
T13	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
60.00-40.00														
T14	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
40.00-20.00														
T15 20.00-6.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75
T16 6.75-0.00	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75	0.0000	0.75

Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
288.00-280.00		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T2	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
280.00-260.00		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T3	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
260.00-240.00		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T4	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
240.00-220.00		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T5	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
220.00-200.00		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T6	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
200.00-180.00		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T7	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
180.00-160.00		A325N		A325N		A325N		A325N		A325X		A325N		A325X	

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Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T8 160.00-140.00	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T9 140.00-120.00	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T10 120.00-100.00	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T11 100.00-80.00	Flange	1.0000	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T12 80.00-60.00	Flange	1.3750	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T13 60.00-40.00	Flange	1.3750	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T14 40.00-20.00	Flange	1.3750	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T15 20.00-6.75	Flange	1.3750	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	
T16 6.75-0.00	Flange	1.3750	4	0.5000	0	0.5000	0	0.5000	0	0.6250	0	0.5000	0	0.6250	0
		A325N		A325N		A325N		A325N		A325X		A325N		A325X	

Guy Data

Guy Elevation ft	Guy Grade	Guy Size	Initial Tension K	%	Guy Modulus ksi	Guy Weight plf	L _u ft	Anchor Radius ft	Anchor Azimuth Adj. °	Anchor Elevation ft	End Fitting Efficiency %
284	EHS	A 3/4	8.16	14%	19000	1.155	385.07	235.00	0.0000	-23.40	100%
		B 3/4	8.16	14%	19000	1.155	359.88	235.00	0.0000	8.90	100%
		C 3/4	8.16	14%	19000	1.155	382.45	235.00	0.0000	-20.10	100%
256.5	EHS	A 3/4	8.16	14%	19000	1.155	363.55	235.00	0.0000	-23.40	100%
		B 3/4	8.16	14%	19000	1.155	339.38	235.00	0.0000	8.90	100%
		C 3/4	8.16	14%	19000	1.155	361.03	235.00	0.0000	-20.10	100%
216.5	EHS	A 3/4	8.16	14%	19000	1.155	333.82	235.00	0.0000	-23.40	100%
		B 3/4	8.16	14%	19000	1.155	311.47	235.00	0.0000	8.90	100%
		C 3/4	8.16	14%	19000	1.155	331.46	235.00	0.0000	-20.10	100%
166.75	EHS	A 3/4	8.16	14%	19000	1.155	300.15	235.00	0.0000	-23.40	100%
		B 3/4	8.16	14%	19000	1.155	280.86	235.00	0.0000	8.90	100%
		C 3/4	8.16	14%	19000	1.155	298.08	235.00	0.0000	-20.10	100%
106.75	EHS	A 3/4	8.16	14%	19000	1.155	266.31	235.00	0.0000	-23.40	100%
		B 3/4	8.16	14%	19000	1.155	252.15	235.00	0.0000	8.90	100%
		C 3/4	8.16	14%	19000	1.155	264.72	235.00	0.0000	-20.10	100%
56.5	EHS	A 7/16	2.91	14%	21000	0.399	245.77	235.00	0.0000	-23.40	100%
		B 7/16	2.91	14%	21000	0.399	237.27	235.00	0.0000	8.90	100%
		C 7/16	2.91	14%	21000	0.399	244.72	235.00	0.0000	-20.10	100%

Guy Data(cont'd)

Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle °	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
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<i>Guy Elevation ft</i>	<i>Mount Type</i>	<i>Torque-Arm Spread ft</i>	<i>Torque-Arm Leg Angle °</i>	<i>Torque-Arm Style</i>	<i>Torque-Arm Grade</i>	<i>Torque-Arm Type</i>	<i>Torque-Arm Size</i>
284	Torque Arm	8.00	0.0000	Channel	A36 (36 ksi)	Channel	C15x33.9
256.5	Torque Arm	8.00	0.0000	Channel	A36 (36 ksi)	Channel	C15x33.9
216.5	Torque Arm	8.00	0.0000	Channel	A36 (36 ksi)	Channel	C15x33.9
166.75	Torque Arm	8.00	0.0000	Channel	A36 (36 ksi)	Channel	C15x33.9
106.75	Torque Arm	8.00	0.0000	Channel	A36 (36 ksi)	Channel	C15x33.9
56.5	Torque Arm	8.00	0.0000	Channel	A36 (36 ksi)	Channel	C15x33.9

Guy Data (cont'd)

<i>Guy Elevation ft</i>	<i>Diagonal Grade</i>	<i>Diagonal Type</i>	<i>Upper Diagonal Size</i>	<i>Lower Diagonal Size</i>	<i>Is Strap.</i>	<i>Pull-Off Grade</i>	<i>Pull-Off Type</i>	<i>Pull-Off Size</i>
284.00	A572-50 (50 ksi)	Solid Round				A36 (36 ksi)	Channel	
256.50	A572-50 (50 ksi)	Solid Round				A36 (36 ksi)	Channel	
216.50	A572-50 (50 ksi)	Solid Round				A36 (36 ksi)	Channel	
166.75	A572-50 (50 ksi)	Solid Round				A36 (36 ksi)	Channel	
106.75	A572-50 (50 ksi)	Solid Round			No	A36 (36 ksi)	Arbitrary Shape	1" S.R. w/ 1" S.R. Crosby Clipped
56.50	A572-50 (50 ksi)	Solid Round				A36 (36 ksi)	Channel	

Guy Data (cont'd)

<i>Guy Elevation ft</i>	<i>Cable Weight A K</i>	<i>Cable Weight B K</i>	<i>Cable Weight C K</i>	<i>Cable Weight D K</i>	<i>Tower Intercept A ft</i>	<i>Tower Intercept B ft</i>	<i>Tower Intercept C ft</i>	<i>Tower Intercept D ft</i>
284	0.44	0.42	0.44		10.28	9.00	10.15	
					5.5 sec/pulse	5.2 sec/pulse	5.5 sec/pulse	
256.5	0.42	0.39	0.42		9.18	8.02	9.06	
					5.2 sec/pulse	4.9 sec/pulse	5.2 sec/pulse	
216.5	0.39	0.36	0.38		7.76	6.77	7.66	
					4.8 sec/pulse	4.5 sec/pulse	4.8 sec/pulse	
166.75	0.35	0.32	0.34		6.30	5.53	6.21	
					4.3 sec/pulse	4.1 sec/pulse	4.3 sec/pulse	
106.75	0.31	0.29	0.31		4.98	4.47	4.92	
					3.9 sec/pulse	3.7 sec/pulse	3.8 sec/pulse	
56.5	0.10	0.09	0.10		4.12	3.85	4.09	
					3.5 sec/pulse	3.4 sec/pulse	3.5 sec/pulse	

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Guy Data (cont'd)

Guy Elevation ft	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K _x	K _y	K _x	K _y	K _x	K _y
284	No	No	1	1	1	1	1	1
256.5	No	No	1	1	1	1	1	1
216.5	No	No	1	1	1	1	1	1
166.75	No	No	1	1	1	1	1	1
106.75	No	No	1	1	0.7	0.7	1	1
56.5	No	No	1	1	1	1	1	1

Guy Data (cont'd)

Guy Elevation ft	Torque-Arm				Pull Off				Diagonal			
	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U
284	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
256.5	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
216.5	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
166.75	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
106.75	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75
56.5	0.0000 A325N	0	0.0000	1	0.6250 A325N	0	0.0000	0.75	0.6250 A325N	0	0.0000	0.75

Guy Pressures

Guy Elevation ft	Guy Location	z ft	q _z psf	q _z Ice psf	Ice Thickness in
284	A	130.30	30	5	2.2944
	B	146.45	30	5	2.3214
	C	131.95	30	5	2.2973
256.5	A	116.55	29	5	2.2690
	B	132.70	30	5	2.2986
	C	118.20	29	5	2.2722
216.5	A	96.55	28	4	2.2267
	B	112.70	29	5	2.2614
	C	98.20	28	4	2.2304
166.75	A	71.68	26	4	2.1613
	B	87.83	27	4	2.2057
	C	73.33	26	4	2.1662
106.75	A	41.68	23	4	2.0472
	B	57.83	25	4	2.1154

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Guy Elevation ft	Guy Location	z ft	q _z psf	q _z Ice psf	Ice Thickness in
56.5	C	43.33	24	4	2.0552
	A	16.55	19	3	1.8666
	B	32.70	22	3	1.9982
	C	18.20	20	3	1.8845

Guy-Tensioning Information

Temperature At Time Of Tensioning																
Guy Elevation ft	H ft	V ft	0 F		20 F		40 F		60 F		80 F		100 F		120 F	
			Initial Tension K	Intercept ft	Initial Tension K	Intercept ft	Initial Tension K	Intercept ft	Initial Tension K	Intercept ft	Initial Tension K	Intercept ft	Initial Tension K	Intercept ft	Initial Tension K	Intercept ft
284	A	232.72	307.40	9.021	9.32	8.733	9.62	8.447	9.94	8.162	10.28	7.879	10.65	7.598	11.03	7.320
	B	232.72	275.10	9.146	8.05	8.816	8.34	8.488	8.66	8.162	9.00	7.838	9.37	7.518	9.76	7.200
	C	232.72	304.10	9.033	9.18	8.741	9.48	8.451	9.80	8.162	10.15	7.875	10.51	7.591	10.89	7.309
256.5	A	232.72	279.90	9.126	8.23	8.803	8.52	8.481	8.84	8.162	9.18	7.845	9.55	7.531	9.94	7.219
	B	232.72	247.60	9.270	7.07	8.898	7.37	8.529	7.68	8.162	8.02	7.798	8.39	7.439	8.79	7.083
	C	232.72	276.60	9.140	8.10	8.812	8.40	8.486	8.72	8.162	9.06	7.841	9.42	7.522	9.82	7.206
216.5	A	232.72	239.90	9.307	6.82	8.923	7.11	8.541	7.42	8.162	7.76	7.786	8.13	7.415	8.53	7.047
	B	232.72	207.60	9.479	5.84	9.037	6.13	8.598	6.44	8.162	6.77	7.731	7.15	7.305	7.56	6.885
	C	232.72	236.60	9.324	6.71	8.934	7.00	8.546	7.32	8.162	7.66	7.781	8.03	7.404	8.43	7.032
166.75	A	232.72	190.15	9.582	5.37	9.105	5.65	8.631	5.96	8.162	6.30	7.698	6.67	7.239	7.09	6.789
	B	232.72	157.85	9.784	4.62	9.239	4.89	8.698	5.19	8.162	5.53	7.633	5.91	7.113	6.33	6.603
	C	232.72	186.85	9.602	5.29	9.118	5.57	8.638	5.87	8.162	6.21	7.694	6.59	7.231	7.00	6.775
106.75	A	232.72	130.15	9.968	4.08	9.360	4.35	8.758	4.64	8.162	4.98	7.575	5.36	6.998	5.80	6.435
	B	232.72	97.85	10.179	3.59	9.500	3.85	8.827	4.14	8.162	4.47	7.508	4.86	6.867	5.31	6.245
	C	232.72	126.85	9.990	4.03	9.375	4.29	8.765	4.58	8.162	4.92	7.568	5.30	6.984	5.74	6.415
56.5	A	232.72	79.90	3.721	3.23	3.448	3.48	3.178	3.78	2.912	4.12	2.650	4.53	2.395	5.01	2.149
	B	232.72	47.60	3.781	2.97	3.488	3.21	3.198	3.51	2.912	3.85	2.632	4.26	2.359	4.75	2.097
	C	232.72	76.60	3.728	3.19	3.453	3.45	3.181	3.74	2.912	4.09	2.648	4.49	2.391	4.97	2.143

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
LDF6-50A (1-1/4 FOAM) (Verizon)	C	No	No	Ar (CaAa)	84.00 - 5.00	0.0000	-0.14	6	6	1.5500	1.5500		0.66
HYBRIFLEX 1-5/8" (Verizon)	C	No	No	Ar (CaAa)	84.00 - 5.00	0.0000	0.3	4	4	1.9800	1.9800		1.90
LDF7-50A (1-5/8 FOAM) (AT&T)	C	No	No	Ar (CaAa)	185.00 - 5.00	-0.5000	0	11	11	1.9800	1.9800		0.82
LDF7-50A (1-5/8 FOAM) (AT&T)	C	No	No	Ar (CaAa)	185.00 - 5.00	-3.0000	-0.15	1	1	1.9800	1.9800		0.82
Fiber Trunk (AT&T)	C	No	No	Ar (CaAa)	185.00 - 5.00	-3.0000	0	3	3	0.4000	0.4000		1.00
DC Trunk (AT&T)	C	No	No	Ar (CaAa)	185.00 - 5.00	-3.0000	0.15	6	6	0.4000	0.4000		0.11
LDF4-50A (1/2 FOAM)	B	No	No	Ar (CaAa)	18.00 - 5.00	0.0000	0.3	8	8	0.6300	0.6300		0.15
LDF4-50A (1/2 FOAM)	B	No	No	Ar (CaAa)	94.00 - 18.00	0.0000	0.3	7	7	0.6300	0.6300		0.15
LDF4-50A	B	No	No	Ar (CaAa)	159.00 -	0.0000	0.3	5	5	0.6300	0.6300		0.15

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight plf
(1/2 FOAM)					94.00								
LDF4-50A	B	No	No	Ar (CaAa)	190.00 -	0.0000	0.3	4	4	0.6300	0.6300		0.15
(1/2 FOAM)					159.00								
LDF4-50A	B	No	No	Ar (CaAa)	198.00 -	0.0000	0.3	3	3	0.6300	0.6300		0.15
(1/2 FOAM)					190.00								
LDF4-50A	B	No	No	Ar (CaAa)	277.00 -	0.0000	0.3	2	2	0.6300	0.6300		0.15
(1/2 FOAM)					198.00								
LDF5-50A	A	No	No	Ar (CaAa)	70.00 - 5.00	0.0000	-0.145	1	1	1.0900	1.0900		0.33
(7/8 FOAM)													
EW63	A	No	No	Ar (CaAa)	104.00 -	0.0000	-0.105	1	1	1.5742	1.5742		0.51
					5.00								
LDF5-50A	A	No	No	Ar (CaAa)	112.00 -	0.0000	-0.07	1	1	1.0900	1.0900		0.33
(7/8 FOAM)					5.00								
EW63	A	No	No	Ar (CaAa)	116.00 -	0.0000	-0.035	1	1	1.5742	1.5742		0.51
					5.00								
EW63	A	No	No	Ar (CaAa)	116.00 -	0.0000	0.01	1	1	1.5742	1.5742		0.51
					5.00								
LDF5-50A	A	No	No	Ar (CaAa)	172.00 -	0.0000	0.06	2	2	1.0900	1.0900		0.33
(7/8 FOAM)					5.00								
LDF5-50A	A	No	No	Ar (CaAa)	198.00 -	0.0000	0.12	1	1	1.0900	1.0900		0.33
(7/8 FOAM)					5.00								
LDF5-50A	A	No	No	Ar (CaAa)	211.00 -	0.0000	0.15	1	1	1.0900	1.0900		0.33
(7/8 FOAM)					5.00								
LDF7-50A	A	No	No	Ar (CaAa)	256.00 -	0.0000	0.19	1	1	1.9800	1.9800		0.82
(1-5/8 FOAM)					5.00								
LDF7-50A	A	No	No	Ar (CaAa)	256.00 -	0.0000	0.24	1	1	1.9800	1.9800		0.82
(1-5/8 FOAM)					5.00								
LDF7-50A	A	No	No	Ar (CaAa)	252.00 -	0.0000	0.29	1	1	1.9800	1.9800		0.82
(1-5/8 FOAM)					5.00								
LDF7-50A	A	No	No	Ar (CaAa)	261.00 -	0.0000	0.34	1	1	1.9800	1.9800		0.82
(1-5/8 FOAM)					5.00								
LDF7-50A	A	No	No	Ar (CaAa)	267.00 -	0.0000	0.39	1	1	1.9800	1.9800		0.82
(1-5/8 FOAM)					5.00								
LDF7-50A	A	No	No	Ar (CaAa)	267.00 -	0.0000	0.44	1	1	1.9800	1.9800		0.82
(1-5/8 FOAM)					5.00								
LDF5-50A	A	No	No	Ar (CaAa)	288.00 -	0.0000	0.48	1	1	1.0900	1.0900		0.33
(7/8 FOAM)					5.00								
LDF7-50A	A	No	No	Ar (CaAa)	240.00 -	0.0000	-0.37	7	7	1.9800	1.9800		0.82
(1-5/8 FOAM)					5.00								
LDF7-50A	A	No	No	Ar (CaAa)	250.00 -	2.5000	-0.37	5	5	1.9800	1.9800		0.82
(1-5/8 FOAM)					240.00								
LDF4-50A	A	No	No	Ar (CaAa)	240.00 -	0.0000	-0.17	1	1	0.6300	0.6300		0.15
(1/2 FOAM)					5.00								
LDF4-50A	A	No	No	Ar (CaAa)	250.00 -	0.0000	-0.19	2	1	0.6300	0.6300		0.15
(1/2 FOAM)					5.00								
LDF5-50A	B	No	No	Ar (CaAa)	150.00 -	0.0000	0	2	2	1.0900	1.0900		0.33
(7/8 FOAM)					5.00								
LDF5-50A	B	No	No	Ar (CaAa)	205.00 -	0.0000	0	1	1	1.0900	1.0900		0.33
(7/8 FOAM)					150.00								

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	323.00-288.00	A	0.000	0.000	0.000	0.000	0.00

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<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face</i>	<i>A_R</i>	<i>A_F</i>	<i>C_AA_A In Face</i>	<i>C_AA_A Out Face</i>	<i>Weight</i>
			<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>K</i>
T1	288.00-280.00	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
		A	0.000	0.000	0.872	0.000	0.00
T2	280.00-260.00	B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.00
		A	0.000	0.000	5.150	0.000	0.02
T3	260.00-240.00	B	0.000	0.000	2.142	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.00
		A	0.000	0.000	33.932	0.000	0.14
T4	240.00-220.00	B	0.000	0.000	2.520	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.00
		A	0.000	0.000	57.440	0.000	0.23
T5	220.00-200.00	B	0.000	0.000	2.520	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.00
		A	0.000	0.000	58.639	0.000	0.23
T6	200.00-180.00	B	0.000	0.000	3.065	0.000	0.01
		C	0.000	0.000	0.000	0.000	0.00
		A	0.000	0.000	61.582	0.000	0.24
T7	180.00-160.00	B	0.000	0.000	6.464	0.000	0.02
		C	0.000	0.000	13.680	0.000	0.07
		A	0.000	0.000	64.416	0.000	0.25
T8	160.00-140.00	B	0.000	0.000	7.220	0.000	0.02
		C	0.000	0.000	54.720	0.000	0.27
		A	0.000	0.000	66.160	0.000	0.26
T9	140.00-120.00	B	0.000	0.000	9.507	0.000	0.02
		C	0.000	0.000	54.720	0.000	0.27
		A	0.000	0.000	66.160	0.000	0.26
T10	120.00-100.00	B	0.000	0.000	10.660	0.000	0.03
		C	0.000	0.000	54.720	0.000	0.27
		A	0.000	0.000	73.135	0.000	0.28
T11	100.00-80.00	B	0.000	0.000	10.660	0.000	0.03
		C	0.000	0.000	54.720	0.000	0.27
		A	0.000	0.000	77.785	0.000	0.29
T12	80.00-60.00	B	0.000	0.000	12.424	0.000	0.03
		C	0.000	0.000	61.608	0.000	0.32
		A	0.000	0.000	78.875	0.000	0.30
T13	60.00-40.00	B	0.000	0.000	13.180	0.000	0.03
		C	0.000	0.000	89.160	0.000	0.50
		A	0.000	0.000	79.965	0.000	0.30
T14	40.00-20.00	B	0.000	0.000	13.180	0.000	0.03
		C	0.000	0.000	89.160	0.000	0.50
		A	0.000	0.000	79.965	0.000	0.30
T15	20.00-6.75	B	0.000	0.000	13.180	0.000	0.03
		C	0.000	0.000	89.160	0.000	0.50
		A	0.000	0.000	52.977	0.000	0.20
T16	6.75-0.00	B	0.000	0.000	9.441	0.000	0.02
		C	0.000	0.000	59.069	0.000	0.33
		A	0.000	0.000	6.997	0.000	0.03
		B	0.000	0.000	1.264	0.000	0.00
		C	0.000	0.000	7.801	0.000	0.04

Feed Line/Linear Appurtenances Section Areas - With Ice

<i>Tower Section</i>	<i>Tower Elevation ft</i>	<i>Face or Leg</i>	<i>Ice Thickness in</i>	<i>A_R</i>	<i>A_F</i>	<i>C_AA_A In Face</i>	<i>C_AA_A Out Face</i>	<i>Weight</i>
				<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>ft²</i>	<i>K</i>
L1	323.00-288.00	A	2.499	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
T1	288.00-280.00	C		0.000	0.000	0.000	0.000	0.00
		A	2.480	0.000	0.000	4.841	0.000	0.09
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.00
T2	280.00-260.00	A	2.468	0.000	0.000	22.425	0.000	0.43
		B		0.000	0.000	18.715	0.000	0.21
		C		0.000	0.000	0.000	0.000	0.00
T3	260.00-240.00	A	2.449	0.000	0.000	124.118	0.000	2.42
		B		0.000	0.000	21.885	0.000	0.24
		C		0.000	0.000	0.000	0.000	0.00
T4	240.00-220.00	A	2.429	0.000	0.000	205.036	0.000	3.93
		B		0.000	0.000	21.742	0.000	0.24
		C		0.000	0.000	0.000	0.000	0.00
T5	220.00-200.00	A	2.407	0.000	0.000	210.539	0.000	4.00
		B		0.000	0.000	24.539	0.000	0.29
		C		0.000	0.000	0.000	0.000	0.00
T6	200.00-180.00	A	2.383	0.000	0.000	225.217	0.000	4.23
		B		0.000	0.000	36.736	0.000	0.52
		C		0.000	0.000	44.539	0.000	0.79
T7	180.00-160.00	A	2.356	0.000	0.000	239.795	0.000	4.38
		B		0.000	0.000	38.035	0.000	0.54
		C		0.000	0.000	177.536	0.000	3.12
T8	160.00-140.00	A	2.327	0.000	0.000	247.906	0.000	4.42
		B		0.000	0.000	46.833	0.000	0.63
		C		0.000	0.000	176.848	0.000	3.09
T9	140.00-120.00	A	2.294	0.000	0.000	245.923	0.000	4.34
		B		0.000	0.000	53.008	0.000	0.67
		C		0.000	0.000	176.072	0.000	3.04
T10	120.00-100.00	A	2.256	0.000	0.000	272.277	0.000	4.76
		B		0.000	0.000	52.487	0.000	0.65
		C		0.000	0.000	175.181	0.000	3.00
T11	100.00-80.00	A	2.211	0.000	0.000	287.961	0.000	4.97
		B		0.000	0.000	55.899	0.000	0.70
		C		0.000	0.000	194.960	0.000	3.31
T12	80.00-60.00	A	2.156	0.000	0.000	289.197	0.000	4.90
		B		0.000	0.000	56.885	0.000	0.71
		C		0.000	0.000	276.303	0.000	4.66
T13	60.00-40.00	A	2.085	0.000	0.000	288.899	0.000	4.77
		B		0.000	0.000	55.925	0.000	0.68
		C		0.000	0.000	273.743	0.000	4.52
T14	40.00-20.00	A	1.981	0.000	0.000	280.605	0.000	4.46
		B		0.000	0.000	54.532	0.000	0.64
		C		0.000	0.000	270.025	0.000	4.32
T15	20.00-6.75	A	1.827	0.000	0.000	177.769	0.000	2.67
		B		0.000	0.000	36.440	0.000	0.41
		C		0.000	0.000	175.256	0.000	2.67
T16	6.75-0.00	A	1.592	0.000	0.000	21.838	0.000	0.30
		B		0.000	0.000	4.580	0.000	0.05
		C		0.000	0.000	22.416	0.000	0.31

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	323.00-288.00	0.0000	0.0000	0.0000	0.0000
T1	288.00-280.00	-0.0578	-1.5811	-0.0587	-1.6030

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Section	Elevation	CP _X	CP _Z	CP _X	CP _Z
	ft	in	in	Ice in	Ice in
T2	280.00-260.00	0.6934	-2.7492	1.2978	-1.9469
T3	260.00-240.00	-4.1337	-5.3168	-2.3675	-4.1448
T4	240.00-220.00	-7.2750	-3.0438	-5.1235	-2.8178
T5	220.00-200.00	-7.0154	-3.1070	-4.9972	-2.9423
T6	200.00-180.00	-5.6891	-1.6571	-4.3293	-2.0336
T7	180.00-160.00	-4.1681	1.3784	-3.5711	0.4613
T8	160.00-140.00	-4.0258	1.2622	-3.4965	0.2949
T9	140.00-120.00	-3.8920	1.2046	-3.3538	0.2519
T10	120.00-100.00	-4.1616	0.9253	-3.7349	0.0365
T11	100.00-80.00	-4.1410	1.3008	-3.8543	0.3900
T12	80.00-60.00	-3.9538	2.8418	-3.8101	1.8300
T13	60.00-40.00	-4.0066	2.8224	-3.9108	1.8850
T14	40.00-20.00	-4.0066	2.8224	-3.9460	1.9982
T15	20.00-6.75	-3.8959	2.8286	-3.8905	2.1715
T16	6.75-0.00	-0.7357	0.5672	0.0000	0.0000

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T1	27	LDF5-50A (7/8 FOAM)	280.00 - 288.00	0.6000	0.4179
T2	12	LDF4-50A (1/2 FOAM)	260.00 - 277.00	0.6000	0.4113
T2	24	LDF7-50A (1-5/8 FOAM)	260.00 - 261.00	0.6000	0.4113
T2	25	LDF7-50A (1-5/8 FOAM)	260.00 - 267.00	0.6000	0.4113
T2	26	LDF7-50A (1-5/8 FOAM)	260.00 - 267.00	0.6000	0.4113
T2	27	LDF5-50A (7/8 FOAM)	260.00 - 280.00	0.6000	0.4113
T3	12	LDF4-50A (1/2 FOAM)	240.00 - 260.00	0.6000	0.4093
T3	21	LDF7-50A (1-5/8 FOAM)	240.00 - 256.00	0.6000	0.4093
T3	22	LDF7-50A (1-5/8 FOAM)	240.00 - 256.00	0.6000	0.4093
T3	23	LDF7-50A (1-5/8 FOAM)	240.00 - 252.00	0.6000	0.4093
T3	24	LDF7-50A (1-5/8 FOAM)	240.00 - 260.00	0.6000	0.4093
T3	25	LDF7-50A (1-5/8 FOAM)	240.00 - 260.00	0.6000	0.4093
T3	26	LDF7-50A (1-5/8 FOAM)	240.00 - 260.00	0.6000	0.4093
T3	27	LDF5-50A (7/8 FOAM)	240.00 - 260.00	0.6000	0.4093
T3	29	LDF7-50A (1-5/8 FOAM)	240.00 - 250.00	0.6000	0.4093
T3	31	LDF4-50A (1/2 FOAM)	240.00 - 250.00	0.6000	0.4093

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T4	12	LDF4-50A (1/2 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	21	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	22	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	23	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	24	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	25	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	26	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	27	LDF5-50A (7/8 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	28	LDF7-50A (1-5/8 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	30	LDF4-50A (1/2 FOAM)	220.00 - 240.00	0.6000	0.4125
T4	31	LDF4-50A (1/2 FOAM)	220.00 - 240.00	0.6000	0.4125
T5	12	LDF4-50A (1/2 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	20	LDF5-50A (7/8 FOAM)	200.00 - 211.00	0.6000	0.4075
T5	21	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	22	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	23	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	24	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	25	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	26	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	27	LDF5-50A (7/8 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	28	LDF7-50A (1-5/8 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	30	LDF4-50A (1/2 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	31	LDF4-50A (1/2 FOAM)	200.00 - 220.00	0.6000	0.4075
T5	33	LDF5-50A (7/8 FOAM)	200.00 - 205.00	0.6000	0.4075
T6	3	LDF7-50A (1-5/8 FOAM)	180.00 - 185.00	0.6000	0.4180
T6	4	LDF7-50A (1-5/8 FOAM)	180.00 - 185.00	0.6000	0.4180
T6	5	Fiber Trunk	180.00 - 185.00	0.6000	0.4180
T6	6	DC Trunk	180.00 - 185.00	0.6000	0.4180
T6	10	LDF4-50A (1/2 FOAM)	180.00 - 190.00	0.6000	0.4180
T6	11	LDF4-50A (1/2 FOAM)	190.00 - 198.00	0.6000	0.4180
T6	12	LDF4-50A (1/2 FOAM)	198.00 - 200.00	0.6000	0.4180

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	Client	Verizon	Designed by	TJL

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T6	19	LDF5-50A (7/8 FOAM)	180.00 - 198.00	0.6000	0.4180
T6	20	LDF5-50A (7/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	21	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	22	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	23	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	24	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	25	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	26	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	27	LDF5-50A (7/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	28	LDF7-50A (1-5/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	30	LDF4-50A (1/2 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	31	LDF4-50A (1/2 FOAM)	180.00 - 200.00	0.6000	0.4180
T6	33	LDF5-50A (7/8 FOAM)	180.00 - 200.00	0.6000	0.4180
T7	3	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	4	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	5	Fiber Trunk	160.00 - 180.00	0.6000	0.4103
T7	6	DC Trunk	160.00 - 180.00	0.6000	0.4103
T7	10	LDF4-50A (1/2 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	18	LDF5-50A (7/8 FOAM)	160.00 - 172.00	0.6000	0.4103
T7	19	LDF5-50A (7/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	20	LDF5-50A (7/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	21	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	22	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	23	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	24	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	25	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	26	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	27	LDF5-50A (7/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	28	LDF7-50A (1-5/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	30	LDF4-50A (1/2 FOAM)	160.00 - 180.00	0.6000	0.4103
T7	31	LDF4-50A (1/2 FOAM)	160.00 - 180.00	0.6000	0.4103

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	Client	Verizon	Designed by	TJL

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T7	33	LDF5-50A (7/8 FOAM)	160.00 - 180.00	0.6000	0.4103
T8	3	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	4	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	5	Fiber Trunk	140.00 - 160.00	0.6000	0.4233
T8	6	DC Trunk	140.00 - 160.00	0.6000	0.4233
T8	9	LDF4-50A (1/2 FOAM)	140.00 - 159.00	0.6000	0.4233
T8	10	LDF4-50A (1/2 FOAM)	159.00 - 160.00	0.6000	0.4233
T8	18	LDF5-50A (7/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	19	LDF5-50A (7/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	20	LDF5-50A (7/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	21	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	22	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	23	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	24	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	25	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	26	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	27	LDF5-50A (7/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	28	LDF7-50A (1-5/8 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	30	LDF4-50A (1/2 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	31	LDF4-50A (1/2 FOAM)	140.00 - 160.00	0.6000	0.4233
T8	32	LDF5-50A (7/8 FOAM)	140.00 - 150.00	0.6000	0.4233
T8	33	LDF5-50A (7/8 FOAM)	150.00 - 160.00	0.6000	0.4233
T9	3	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	4	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	5	Fiber Trunk	120.00 - 140.00	0.6000	0.4267
T9	6	DC Trunk	120.00 - 140.00	0.6000	0.4267
T9	9	LDF4-50A (1/2 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	18	LDF5-50A (7/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	19	LDF5-50A (7/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	20	LDF5-50A (7/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	21	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267

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	Client	Verizon	Designed by	TJL

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T9	22	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	23	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	24	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	25	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	26	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	27	LDF5-50A (7/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	28	LDF7-50A (1-5/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	30	LDF4-50A (1/2 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	31	LDF4-50A (1/2 FOAM)	120.00 - 140.00	0.6000	0.4267
T9	32	LDF5-50A (7/8 FOAM)	120.00 - 140.00	0.6000	0.4267
T10	3	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	4	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	5	Fiber Trunk	100.00 - 120.00	0.6000	0.4276
T10	6	DC Trunk	100.00 - 120.00	0.6000	0.4276
T10	9	LDF4-50A (1/2 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	14	EW63	100.00 - 104.00	0.6000	0.4276
T10	15	LDF5-50A (7/8 FOAM)	100.00 - 112.00	0.6000	0.4276
T10	16	EW63	100.00 - 116.00	0.6000	0.4276
T10	17	EW63	100.00 - 116.00	0.6000	0.4276
T10	18	LDF5-50A (7/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	19	LDF5-50A (7/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	20	LDF5-50A (7/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	21	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	22	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	23	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	24	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	25	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	26	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	27	LDF5-50A (7/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	28	LDF7-50A (1-5/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	30	LDF4-50A (1/2 FOAM)	100.00 - 120.00	0.6000	0.4276

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	Client	Verizon	Designed by	TJL

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T10	31	LDF4-50A (1/2 FOAM)	100.00 - 120.00	0.6000	0.4276
T10	32	LDF5-50A (7/8 FOAM)	100.00 - 120.00	0.6000	0.4276
T11	1	LDF6-50A (1-1/4 FOAM)	80.00 - 84.00	0.6000	0.4310
T11	2	HYBRIFLEX 1-5/8"	80.00 - 84.00	0.6000	0.4310
T11	3	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	4	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	5	Fiber Trunk	80.00 - 100.00	0.6000	0.4310
T11	6	DC Trunk	80.00 - 100.00	0.6000	0.4310
T11	8	LDF4-50A (1/2 FOAM)	80.00 - 94.00	0.6000	0.4310
T11	9	LDF4-50A (1/2 FOAM)	94.00 - 100.00	0.6000	0.4310
T11	14	EW63	80.00 - 100.00	0.6000	0.4310
T11	15	LDF5-50A (7/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	16	EW63	80.00 - 100.00	0.6000	0.4310
T11	17	EW63	80.00 - 100.00	0.6000	0.4310
T11	18	LDF5-50A (7/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	19	LDF5-50A (7/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	20	LDF5-50A (7/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	21	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	22	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	23	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	24	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	25	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	26	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	27	LDF5-50A (7/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	28	LDF7-50A (1-5/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	30	LDF4-50A (1/2 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	31	LDF4-50A (1/2 FOAM)	80.00 - 100.00	0.6000	0.4310
T11	32	LDF5-50A (7/8 FOAM)	80.00 - 100.00	0.6000	0.4310
T12	1	LDF6-50A (1-1/4 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	2	HYBRIFLEX 1-5/8"	60.00 - 80.00	0.6000	0.4429
T12	3	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	4	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	5	Fiber Trunk	60.00 - 80.00	0.6000	0.4429
T12	6	DC Trunk	60.00 - 80.00	0.6000	0.4429
T12	8	LDF4-50A (1/2 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	13	LDF5-50A (7/8 FOAM)	60.00 - 70.00	0.6000	0.4429
T12	14	EW63	60.00 - 80.00	0.6000	0.4429
T12	15	LDF5-50A (7/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	16	EW63	60.00 - 80.00	0.6000	0.4429
T12	17	EW63	60.00 - 80.00	0.6000	0.4429
T12	18	LDF5-50A (7/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	19	LDF5-50A (7/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	20	LDF5-50A (7/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	21	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	22	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	23	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	24	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	25	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	26	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	27	LDF5-50A (7/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	28	LDF7-50A (1-5/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	30	LDF4-50A (1/2 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	31	LDF4-50A (1/2 FOAM)	60.00 - 80.00	0.6000	0.4429
T12	32	LDF5-50A (7/8 FOAM)	60.00 - 80.00	0.6000	0.4429
T13	1	LDF6-50A (1-1/4 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	2	HYBRIFLEX 1-5/8"	40.00 - 60.00	0.6000	0.4541
T13	3	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	4	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	5	Fiber Trunk	40.00 - 60.00	0.6000	0.4541
T13	6	DC Trunk	40.00 - 60.00	0.6000	0.4541

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	Client	Verizon	Designed by	TJL

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T13	8	LDF4-50A (1/2 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	13	LDF5-50A (7/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	14	EW63	40.00 - 60.00	0.6000	0.4541
T13	15	LDF5-50A (7/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	16	EW63	40.00 - 60.00	0.6000	0.4541
T13	17	EW63	40.00 - 60.00	0.6000	0.4541
T13	18	LDF5-50A (7/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	19	LDF5-50A (7/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	20	LDF5-50A (7/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	21	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	22	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	23	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	24	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	25	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	26	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	27	LDF5-50A (7/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	28	LDF7-50A (1-5/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	30	LDF4-50A (1/2 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	31	LDF4-50A (1/2 FOAM)	40.00 - 60.00	0.6000	0.4541
T13	32	LDF5-50A (7/8 FOAM)	40.00 - 60.00	0.6000	0.4541
T14	1	LDF6-50A (1-1/4 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	2	HYBRIFLEX 1-5/8"	20.00 - 40.00	0.6000	0.4705
T14	3	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	4	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	5	Fiber Trunk	20.00 - 40.00	0.6000	0.4705
T14	6	DC Trunk	20.00 - 40.00	0.6000	0.4705
T14	8	LDF4-50A (1/2 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	13	LDF5-50A (7/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	14	EW63	20.00 - 40.00	0.6000	0.4705
T14	15	LDF5-50A (7/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	16	EW63	20.00 - 40.00	0.6000	0.4705
T14	17	EW63	20.00 - 40.00	0.6000	0.4705
T14	18	LDF5-50A (7/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	19	LDF5-50A (7/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	20	LDF5-50A (7/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	21	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	22	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	23	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	24	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	25	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	26	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	27	LDF5-50A (7/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	28	LDF7-50A (1-5/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	30	LDF4-50A (1/2 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	31	LDF4-50A (1/2 FOAM)	20.00 - 40.00	0.6000	0.4705
T14	32	LDF5-50A (7/8 FOAM)	20.00 - 40.00	0.6000	0.4705
T15	1	LDF6-50A (1-1/4 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	2	HYBRIFLEX 1-5/8"	6.75 - 20.00	0.6000	0.4867
T15	3	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	4	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	5	Fiber Trunk	6.75 - 20.00	0.6000	0.4867
T15	6	DC Trunk	6.75 - 20.00	0.6000	0.4867
T15	7	LDF4-50A (1/2 FOAM)	6.75 - 18.00	0.6000	0.4867
T15	8	LDF4-50A (1/2 FOAM)	18.00 - 20.00	0.6000	0.4867
T15	13	LDF5-50A (7/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	14	EW63	6.75 - 20.00	0.6000	0.4867
T15	15	LDF5-50A (7/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	16	EW63	6.75 - 20.00	0.6000	0.4867
T15	17	EW63	6.75 - 20.00	0.6000	0.4867
T15	18	LDF5-50A (7/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	19	LDF5-50A (7/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	20	LDF5-50A (7/8 FOAM)	6.75 - 20.00	0.6000	0.4867

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	Client	Verizon	Designed by	TJL

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_a No Ice</i>	<i>K_a Ice</i>
T15	21	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	22	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	23	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	24	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	25	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	26	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	27	LDF5-50A (7/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	28	LDF7-50A (1-5/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	30	LDF4-50A (1/2 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	31	LDF4-50A (1/2 FOAM)	6.75 - 20.00	0.6000	0.4867
T15	32	LDF5-50A (7/8 FOAM)	6.75 - 20.00	0.6000	0.4867
T16	1	LDF6-50A (1-1/4 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	2	HYBRIFLEX 1-5/8"	5.00 - 6.75	0.2447	0.0000
T16	3	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	4	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	5	Fiber Trunk	5.00 - 6.75	0.2447	0.0000
T16	6	DC Trunk	5.00 - 6.75	0.2447	0.0000
T16	7	LDF4-50A (1/2 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	13	LDF5-50A (7/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	14	EW63	5.00 - 6.75	0.2447	0.0000
T16	15	LDF5-50A (7/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	16	EW63	5.00 - 6.75	0.2447	0.0000
T16	17	EW63	5.00 - 6.75	0.2447	0.0000
T16	18	LDF5-50A (7/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	19	LDF5-50A (7/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	20	LDF5-50A (7/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	21	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	22	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	23	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	24	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	25	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	26	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	27	LDF5-50A (7/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	28	LDF7-50A (1-5/8 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	30	LDF4-50A (1/2 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	31	LDF4-50A (1/2 FOAM)	5.00 - 6.75	0.2447	0.0000
T16	32	LDF5-50A (7/8 FOAM)	5.00 - 6.75	0.2447	0.0000

Discrete Tower Loads

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horiz Lateral Vert</i> <i>ft ft ft</i>	<i>Azimuth Adjustment</i> <i>°</i>	<i>Placement</i> <i>ft</i>	<i>C_AA_A Front</i> <i>ft²</i>	<i>C_AA_A Side</i> <i>ft²</i>	<i>Weight</i> <i>K</i>
4-ft Lightning Rod	A	From Face	0.00 0.00 0.00	0.0000	323.00	No Ice 0.40 1/2" Ice 0.81 1" Ice 1.06	0.40 0.81 1.06	0.01 0.01 0.02
Flash Beacon Lighting	B	None		0.0000	323.00	No Ice 2.70 1/2" Ice 3.10 1" Ice 3.50	2.70 3.10 3.50	0.05 0.07 0.09
6813 1-Bay w/radome	C	From Leg	2.00 0.00	0.0000	305.00	No Ice 4.90 1/2" Ice 6.00	4.90 6.00	0.10 0.20

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	Project 327' Guyed Tower - N. Eagleville Road Storrs, CT	Date 14:39:32 11/04/21
	Client Verizon	Designed by TJL

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_AA_A Front ft²</i>	<i>C_AA_A Side ft²</i>	<i>Weight K</i>
PD1110	C	From Leg	0.00	0.0000	305.00	1" Ice	7.10	0.29
			3.00			No Ice	2.50	0.02
			0.00			1/2" Ice	3.84	0.04
PD1110	C	From Leg	0.00	0.0000	277.00	1" Ice	5.20	0.07
			4.00			No Ice	2.50	0.02
			0.00			1/2" Ice	3.84	0.04
ROHN 4-ft Side Arm	C	From Leg	0.00	0.0000	277.00	1" Ice	5.20	0.07
			2.00			No Ice	5.28	0.07
			0.00			1/2" Ice	7.88	0.08
OGT9-840	C	From Leg	0.00	0.0000	267.00	1" Ice	10.48	0.10
			3.00			No Ice	2.27	0.02
			0.00			1/2" Ice	3.44	0.04
DB810K	A	From Leg	0.00	0.0000	267.00	1" Ice	4.61	0.06
			3.00			No Ice	4.08	0.04
			0.00			1/2" Ice	5.73	0.07
ROHN 3-ft Side Arm	A	From Leg	0.00	0.0000	267.00	1" Ice	7.41	0.11
			1.50			No Ice	3.10	0.07
			0.00			1/2" Ice	5.00	0.10
ROHN 3-ft Side Arm	C	From Leg	0.00	0.0000	267.00	1" Ice	6.90	0.13
			1.50			No Ice	3.10	0.07
			0.00			1/2" Ice	5.00	0.10
AP14-850/105	B	From Leg	0.00	0.0000	261.00	1" Ice	6.90	0.13
			3.00			No Ice	10.61	0.03
			0.00			1/2" Ice	11.25	0.08
ROHN 3-ft Side Arm	C	From Leg	0.00	0.0000	261.00	1" Ice	11.89	0.14
			1.50			No Ice	3.10	0.07
			0.00			1/2" Ice	5.00	0.10
OGT9-840	C	From Leg	0.00	0.0000	256.50	1" Ice	6.90	0.13
			3.00			No Ice	2.27	0.02
			0.00			1/2" Ice	3.44	0.04
OGT9-840	B	From Leg	0.00	0.0000	256.50	1" Ice	4.61	0.06
			3.00			No Ice	2.27	0.02
			0.00			1/2" Ice	3.44	0.04
AP14-850/105	B	From Leg	0.00	0.0000	252.00	1" Ice	4.61	0.06
			3.00			No Ice	10.61	0.03
			0.00			1/2" Ice	11.25	0.08
ROHN 3-ft Side Arm	C	From Leg	0.00	0.0000	252.00	1" Ice	11.89	0.14
			1.50			No Ice	3.10	0.07
			0.00			1/2" Ice	5.00	0.10
BXA-70063-2CF	A	From Leg	0.00	0.0000	250.00	1" Ice	6.90	0.13
			3.00			No Ice	2.22	0.01
			0.00			1/2" Ice	2.42	0.03
BXA-70063-2CF	B	From Leg	0.00	0.0000	250.00	1" Ice	2.63	0.04
			3.00			No Ice	2.22	0.01
			0.00			1/2" Ice	2.42	0.03
SC479-HF1LDF	A	From Leg	0.00	0.0000	250.00	1" Ice	2.63	0.04
			4.00			No Ice	4.43	0.03
			0.00			1/2" Ice	6.54	0.07
SC479-HF1LDF	B	From Leg	0.00	0.0000	250.00	1" Ice	8.04	0.11
			4.00			No Ice	4.43	0.03
			0.00			1/2" Ice	6.54	0.07
SC479-HF1LDF	B	From Leg	0.00	0.0000	250.00	1" Ice	8.04	0.11
			4.00			No Ice	4.43	0.03
			0.00			1/2" Ice	6.54	0.07
TTA 432-83H-01T	A	From Leg	0.00	0.0000	250.00	1" Ice	8.04	0.11
			4.00			No Ice	1.40	0.03
			0.00			1/2" Ice	1.55	0.04

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	Project 327' Guyed Tower - N. Eagleville Road Storrs, CT	Date 14:39:32 11/04/21
	Client Verizon	Designed by TJL

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
TTA 432-83H-01T	B	From Leg	0.00 4.00 0.00 0.00	0.0000	250.00	1" Ice 1.70 No Ice 1.40 1/2" Ice 1.55 1" Ice 1.70	1.06 0.82 0.94 1.06	0.05 0.03 0.04 0.05
10-ft T-Frame	A	From Leg	0.00 2.00 0.00	0.0000	250.00	No Ice 13.60 1/2" Ice 17.50 1" Ice 21.40	13.60 17.50 21.40	0.38 0.53 0.68
10-ft T-Frame	B	From Leg	0.00 2.00 0.00	0.0000	250.00	No Ice 13.60 1/2" Ice 17.50 1" Ice 21.40	13.60 17.50 21.40	0.38 0.53 0.68
SC479-HF1LDF	C	From Leg	0.00 4.00 0.00	0.0000	240.00	No Ice 4.45 1/2" Ice 6.54 1" Ice 8.04	4.45 6.54 8.04	0.03 0.07 0.11
SC479-HF1LDF	C	From Leg	0.00 4.00 0.00	0.0000	240.00	No Ice 4.45 1/2" Ice 6.54 1" Ice 8.04	4.45 6.54 8.04	0.03 0.07 0.11
TTA 432-83H-01T	C	From Leg	0.00 4.00 0.00	0.0000	240.00	No Ice 1.40 1/2" Ice 1.55 1" Ice 1.70	0.82 0.94 1.06	0.03 0.04 0.05
10-ft T-Frame	C	From Leg	0.00 2.00 0.00	0.0000	240.00	No Ice 13.60 1/2" Ice 17.50 1" Ice 21.40	13.60 17.50 21.40	0.38 0.53 0.68
6813 1-Bay w/radome	C	From Leg	0.00 2.00 0.00	0.0000	211.00	No Ice 4.90 1/2" Ice 6.00 1" Ice 7.10	4.90 6.00 7.10	0.10 0.20 0.29
6813 1-Bay w/radome	B	From Leg	0.00 2.00 0.00	0.0000	198.00	No Ice 4.90 1/2" Ice 6.00 1" Ice 7.10	4.90 6.00 7.10	0.10 0.20 0.29
6812	A	From Leg	0.00 3.00 0.00	0.0000	198.00	No Ice 0.20 1/2" Ice 0.36 1" Ice 0.52	0.20 0.36 0.52	0.00 0.00 0.00
6' Yagi	B	From Leg	0.00 3.00 0.00	0.0000	190.00	No Ice 5.00 1/2" Ice 6.50 1" Ice 8.00	5.00 6.50 8.00	0.04 0.06 0.08
24"x12"x5" Panel	B	From Leg	0.00 1.00 0.00	0.0000	172.00	No Ice 2.40 1/2" Ice 2.60 1" Ice 2.81	1.09 1.24 1.41	0.03 0.05 0.07
8' x 3" Dia Omni	C	From Leg	0.00 1.00 0.00	0.0000	172.00	No Ice 2.40 1/2" Ice 3.19 1" Ice 3.67	2.40 3.19 3.67	0.03 0.04 0.07
16"x12"x3" TTA	A	From Leg	0.00 1.00 0.00	0.0000	166.00	No Ice 1.60 1/2" Ice 1.76 1" Ice 1.93	0.44 0.55 0.66	0.01 0.02 0.03
24"x12"x5" Panel	C	From Leg	0.00 1.00 0.00	0.0000	158.80	No Ice 2.40 1/2" Ice 2.60 1" Ice 2.81	1.09 1.24 1.41	0.03 0.05 0.07
Beacon	A	From Leg	0.00 0.50 0.00	0.0000	157.00	No Ice 0.17 1/2" Ice 0.31 1" Ice 0.39	0.17 0.31 0.39	0.01 0.01 0.02
Beacon	B	From Leg	0.00 0.50 0.00	0.0000	157.00	No Ice 0.17 1/2" Ice 0.31 1" Ice 0.39	0.17 0.31 0.39	0.01 0.01 0.02
Beacon	C	From Leg	0.00 0.50 0.00	0.0000	157.00	No Ice 0.17 1/2" Ice 0.31 1" Ice 0.39	0.17 0.31 0.39	0.01 0.01 0.02
Sabre 2' Sidearm	B	From Leg	0.00 1.00 0.00	0.0000	125.00	No Ice 3.90 1/2" Ice 4.40	3.90 4.40	0.09 0.10

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	Project	327' Guyed Tower - N. Eagleville Road Storrs, CT	Date	14:39:32 11/04/21
	Client	Verizon	Designed by	TJL

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_AA_A Front ft²</i>	<i>C_AA_A Side ft²</i>	<i>Weight K</i>
6'x4' Ice Shield	C	From Leg	0.00 1.00 0.00	0.0000	124.00	1" Ice 4.90 No Ice 0.02 1/2" Ice 0.05	4.90 0.03 0.06	0.11 0.28 0.40
9'x10' Ice Shield	A	From Leg	0.00 1.00 0.00	0.0000	124.00	1" Ice 0.08 No Ice 0.88 1/2" Ice 1.20	0.09 1.00 2.00	0.52 1.07 1.40
2'6"x4" Pipe Mount	C	From Leg	0.00 0.50 0.00	0.0000	124.00	1" Ice 1.52 No Ice 0.65 1/2" Ice 0.91	3.00 0.65 0.91	1.73 0.03 0.04
2'6"x4" Pipe Mount	A	From Leg	0.00 0.50 0.00	0.0000	124.00	1" Ice 1.09 No Ice 0.65 1/2" Ice 0.91	1.09 0.65 0.91	0.05 0.03 0.04
PD1110	B	From Leg	0.00 2.00 0.00	0.0000	112.00	1" Ice 1.09 No Ice 2.50 1/2" Ice 3.84	1.09 2.50 3.84	0.05 0.02 0.04
Sabre 2' Sidearm	B	From Leg	0.00 1.00 0.00	0.0000	112.00	1" Ice 5.20 No Ice 3.90 1/2" Ice 4.40	5.20 3.90 4.40	0.07 0.09 0.10
6'x4" Pipe Mount	C	From Leg	0.00 0.50 0.00	0.0000	104.00	1" Ice 4.90 No Ice 1.81 1/2" Ice 2.46	4.90 1.81 2.46	0.11 0.05 0.07
PR-900	C	From Leg	0.00 0.50 0.00	0.0000	94.00	1" Ice 2.83 No Ice 6.35 1/2" Ice 11.43	2.83 6.35 11.43	0.09 0.04 0.05
ASP-962	B	From Leg	0.00 0.50 0.00	0.0000	94.00	1" Ice 16.51 No Ice 0.16 1/2" Ice 0.29	16.51 0.16 0.29	0.06 0.00 0.00
DB212-1 (CSP-10)	C	From Leg	0.00 0.00 0.00	0.0000	70.00	1" Ice 0.42 No Ice 4.50 1/2" Ice 8.10	0.42 4.50 8.10	0.00 0.03 0.04
6' Yagi	C	From Leg	0.00 3.00 0.00	0.0000	18.00	1" Ice 11.70 No Ice 5.00 1/2" Ice 6.50	11.70 5.00 6.50	0.05 0.04 0.06
Sabre 2' Sidearm	C	From Leg	0.00 1.00 0.00	0.0000	18.00	1" Ice 8.00 No Ice 3.90 1/2" Ice 4.40	8.00 3.90 4.40	0.08 0.09 0.10
BXA-80063-4CF (Verizon)	A	From Leg	0.00 3.00 0.00	0.0000	84.00	1" Ice 4.90 No Ice 4.71 1/2" Ice 5.03	4.90 2.52 2.82	0.11 0.01 0.04
BXA-80063-4CF (Verizon)	B	From Leg	0.00 3.00 0.00	0.0000	84.00	1" Ice 5.35 No Ice 4.71 1/2" Ice 5.03	3.13 2.52 2.82	0.07 0.01 0.04
BXA-80063-4CF (Verizon)	C	From Leg	0.00 3.00 0.00	0.0000	84.00	1" Ice 5.35 No Ice 4.71 1/2" Ice 5.03	3.13 2.52 2.82	0.07 0.01 0.04
(2) JAHH-65B-R3B (Verizon)	A	From Leg	0.00 3.00 0.00	0.0000	84.00	1" Ice 5.35 No Ice 9.11 1/2" Ice 9.58	3.13 5.98 6.44	0.07 0.06 0.12
(2) JAHH-65B-R3B (Verizon)	B	From Leg	0.00 3.00 0.00	0.0000	84.00	1" Ice 10.05 No Ice 9.11 1/2" Ice 9.58	6.91 5.98 6.44	0.19 0.06 0.12
(2) JAHH-45B-R3B (Verizon)	C	From Leg	0.00 3.00 0.00	0.0000	84.00	1" Ice 10.05 No Ice 11.40 1/2" Ice 11.89	6.91 5.28 5.74	0.19 0.09 0.16
(2) JAHH-45B-R3B (Verizon)	B	From Leg	0.00 3.00 0.00	0.0000	84.00	1" Ice 12.38 No Ice 11.40 1/2" Ice 11.89	6.20 5.28 5.74	0.23 0.09 0.16

<div><i>tnxTower</i></div> <div>Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587</div>	Job	21007.33 - Storrs	Page	28 of 91	
	Project	327' Guyed Tower - N. Eagleville Road Storrs, CT		Date	14:39:32 11/04/21
	Client	Verizon		Designed by	TJL

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_AA_A Front ft²</i>	<i>C_AA_A Side ft²</i>	<i>Weight K</i>
RVZDC-6627-PF-48 (Verizon)	A	From Leg	0.00	0.0000	84.00	1" Ice	12.38	0.23
			3.00			No Ice	3.25	0.03
			6.00			1/2" Ice	3.48	0.06
RVZDC-6627-PF-48 (Verizon)	B	From Leg	0.00	0.0000	84.00	1" Ice	3.71	0.09
			3.00			No Ice	3.25	0.03
			6.00			1/2" Ice	3.48	0.06
(2) MT6407-77A (Verizon - Proposed)	A	From Leg	0.00	0.0000	84.00	1" Ice	3.71	0.09
			3.00			No Ice	4.71	0.00
			0.00			1/2" Ice	5.00	0.03
MT6407-77A (Verizon - Proposed)	B	From Leg	0.00	0.0000	84.00	1" Ice	5.29	0.06
			3.00			No Ice	4.71	0.00
			0.00			1/2" Ice	5.00	0.03
MT6407-77A (Verizon - Proposed)	C	From Leg	0.00	0.0000	84.00	1" Ice	5.29	0.06
			3.00			No Ice	4.71	0.00
			0.00			1/2" Ice	5.00	0.03
(2) XXDWMM-12.5-75-8T (Verizon - Proposed)	A	From Leg	0.00	0.0000	84.00	1" Ice	5.29	0.06
			3.00			No Ice	0.89	0.00
			0.00			1/2" Ice	1.01	0.01
XXDWMM-12.5-75-8T (Verizon - Proposed)	B	From Leg	0.00	0.0000	84.00	1" Ice	1.14	0.02
			3.00			No Ice	0.89	0.00
			0.00			1/2" Ice	1.01	0.01
XXDWMM-12.5-75-8T (Verizon - Proposed)	C	From Leg	0.00	0.0000	84.00	1" Ice	1.14	0.02
			3.00			No Ice	0.89	0.00
			0.00			1/2" Ice	1.01	0.01
(2) B2/B66A RRH (Verizon - Proposed)	A	From Leg	0.00	0.0000	84.00	1" Ice	1.14	0.02
			3.00			No Ice	2.54	0.06
			0.00			1/2" Ice	2.75	0.08
B2/B66A RRH (Verizon - Proposed)	B	From Leg	0.00	0.0000	84.00	1" Ice	2.97	0.10
			3.00			No Ice	2.54	0.06
			0.00			1/2" Ice	2.75	0.08
B2/B66A RRH (Verizon - Proposed)	C	From Leg	0.00	0.0000	84.00	1" Ice	2.97	0.10
			3.00			No Ice	2.54	0.06
			0.00			1/2" Ice	2.75	0.08
(2) B5/B13 RRH (Verizon - Proposed)	A	From Leg	0.00	0.0000	84.00	1" Ice	2.97	0.10
			3.00			No Ice	1.87	0.07
			0.00			1/2" Ice	2.03	0.09
B5/B13 RRH (Verizon - Proposed)	B	From Leg	0.00	0.0000	84.00	1" Ice	2.21	0.11
			3.00			No Ice	1.87	0.07
			0.00			1/2" Ice	2.03	0.09
B5/B13 RRH (Verizon - Proposed)	C	From Leg	0.00	0.0000	84.00	1" Ice	2.21	0.11
			3.00			No Ice	1.87	0.07
			0.00			1/2" Ice	2.03	0.09
(2) CBRS RRH-RT4401-48A (Verizon - Proposed)	A	From Leg	0.00	0.0000	84.00	1" Ice	2.21	0.11
			3.00			No Ice	0.86	0.02
			0.00			1/2" Ice	0.98	0.03
CBRS RRH-RT4401-48A (Verizon - Proposed)	B	From Leg	0.00	0.0000	84.00	1" Ice	1.10	0.04
			3.00			No Ice	0.86	0.02
			0.00			1/2" Ice	0.98	0.03
CBRS RRH-RT4401-48A (Verizon - Proposed)	C	From Leg	0.00	0.0000	84.00	1" Ice	1.10	0.04
			3.00			No Ice	0.86	0.02
			0.00			1/2" Ice	0.98	0.03
(2) CBC78T-DS-43 (Verizon - Proposed)	A	From Leg	0.00	0.0000	84.00	1" Ice	1.10	0.04
			3.00			No Ice	0.37	0.01
			0.00			1/2" Ice	0.45	0.02
CBC78T-DS-43 (Verizon - Proposed)	B	From Leg	0.00	0.0000	84.00	1" Ice	0.53	0.02
			3.00			No Ice	0.37	0.01
			0.00			1/2" Ice	0.45	0.02

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	Project		327' Guyed Tower - N. Eagleville Road Storrs, CT		Date		14:39:32 11/04/21	
	Client		Verizon		Designed by		TJL	

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_AA_A Front ft²</i>	<i>C_AA_A Side ft²</i>	<i>Weight K</i>
CBC78T-DS-43 (Verizon - Proposed)	C	From Leg	0.00 3.00 0.00 0.00	0.0000	84.00	1" Ice 0.53 No Ice 0.37 1/2" Ice 0.45 1" Ice 0.53	0.40 0.26 0.32 0.40	0.02 0.01 0.02 0.02
13' Platform w/rails (Verizon)	A	None		0.0000	84.00	No Ice 31.30 1/2" Ice 40.20 1" Ice 49.10	31.30 40.20 49.10	1.82 2.45 3.08
7770.00 (AT&T - Existing)	A	From Leg	3.00 -6.00 0.00	0.0000	185.00	No Ice 5.51 1/2" Ice 5.87 1" Ice 6.23	2.93 3.27 3.63	0.04 0.07 0.11
OPA-65R-LCUU-H8 (AT&T - Existing)	A	From Leg	3.00 -3.00 0.00	0.0000	185.00	No Ice 12.98 1/2" Ice 13.56 1" Ice 14.15	7.52 8.09 8.67	0.09 0.16 0.24
TPA-65R-LCUUUU-H8 (AT&T - Existing)	A	From Leg	3.00 3.00 0.00	0.0000	185.00	No Ice 13.30 1/2" Ice 13.90 1" Ice 14.50	8.82 9.42 10.03	0.08 0.15 0.24
HPA-65R-BUU-H8 (AT&T - Existing)	A	From Leg	3.00 6.00 0.00	0.0000	185.00	No Ice 12.98 1/2" Ice 13.56 1" Ice 14.15	7.52 8.09 8.67	0.07 0.14 0.22
7770.00 (AT&T - Existing)	B	From Leg	3.00 -6.00 0.00	0.0000	185.00	No Ice 5.51 1/2" Ice 5.87 1" Ice 6.23	2.93 3.27 3.63	0.04 0.07 0.11
OPA-65R-LCUU-H6 (AT&T - Existing)	B	From Leg	3.00 -3.00 0.00	0.0000	185.00	No Ice 9.66 1/2" Ice 10.13 1" Ice 10.61	5.52 5.97 6.43	0.07 0.13 0.20
QS66512-2 (AT&T - Existing)	B	From Leg	3.00 3.00 0.00	0.0000	185.00	No Ice 8.13 1/2" Ice 8.59 1" Ice 9.05	6.80 7.27 7.72	0.11 0.17 0.23
HPA-65R-BUU-H6 (AT&T - Existing)	B	From Leg	3.00 6.00 0.00	0.0000	185.00	No Ice 9.66 1/2" Ice 10.13 1" Ice 10.61	6.45 6.91 7.38	0.05 0.11 0.18
7770.00 (AT&T - Existing)	C	From Leg	3.00 -6.00 0.00	0.0000	185.00	No Ice 5.51 1/2" Ice 5.87 1" Ice 6.23	2.93 3.27 3.63	0.04 0.07 0.11
OPA-65R-LCUU-H8 (AT&T - Existing)	C	From Leg	3.00 -3.00 0.00	0.0000	185.00	No Ice 12.98 1/2" Ice 13.56 1" Ice 14.15	7.52 8.09 8.67	0.09 0.16 0.24
TPA-65R-LCUUUU-H8 (AT&T - Existing)	C	From Leg	3.00 3.00 0.00	0.0000	185.00	No Ice 13.30 1/2" Ice 13.90 1" Ice 14.50	8.82 9.42 10.03	0.08 0.15 0.24
HPA-65R-BUU-H8 (AT&T - Existing)	C	From Leg	3.00 6.00 0.00	0.0000	185.00	No Ice 12.98 1/2" Ice 13.56 1" Ice 14.15	7.52 8.09 8.67	0.07 0.14 0.22
DTMABP7819VG12A TMA (AT&T - Existing)	A	From Leg	3.00 -6.00 0.00	0.0000	185.00	No Ice 1.36 1/2" Ice 1.51 1" Ice 1.66	0.51 0.61 0.72	0.02 0.03 0.04
DTMABP7819VG12A TMA (AT&T - Existing)	B	From Leg	3.00 -6.00 0.00	0.0000	185.00	No Ice 1.36 1/2" Ice 1.51 1" Ice 1.66	0.51 0.61 0.72	0.02 0.03 0.04
DTMABP7819VG12A TMA (AT&T - Existing)	C	From Leg	3.00 -6.00 0.00	0.0000	185.00	No Ice 1.36 1/2" Ice 1.51 1" Ice 1.66	0.51 0.61 0.72	0.02 0.03 0.04
(2) TPX-070821 (AT&T - Existing)	A	From Leg	3.00 -3.00 0.00	0.0000	185.00	No Ice 0.47 1/2" Ice 0.56 1" Ice 0.66	0.10 0.15 0.20	0.01 0.01 0.02
(2) TPX-070821 (AT&T - Existing)	B	From Leg	3.00 -3.00	0.0000	185.00	No Ice 0.47 1/2" Ice 0.56	0.10 0.15	0.01 0.01

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	Client Verizon	Designed by TJL

<i>Description</i>	<i>Face or Leg</i>	<i>Offset Type</i>	<i>Offsets: Horz Lateral Vert ft ft ft</i>	<i>Azimuth Adjustment °</i>	<i>Placement ft</i>	<i>C_{AA} Front ft²</i>	<i>C_{AA} Side ft²</i>	<i>Weight K</i>
(2) TPX-070821 (AT&T - Existing)	C	From Leg	0.00 3.00 -3.00 0.00	0.0000	185.00	1" Ice 0.66 No Ice 0.47 1/2" Ice 0.56 1" Ice 0.66	0.20 0.10 0.15 0.20	0.02 0.01 0.01 0.02
RRUS-11 (AT&T - Existing)	A	From Leg	1.00 1.00 0.00	0.0000	185.00	No Ice 2.57 1/2" Ice 2.76 1" Ice 2.97	1.07 1.21 1.36	0.05 0.07 0.09
RRUS-11 (AT&T - Existing)	B	From Leg	1.00 1.00 0.00	0.0000	185.00	No Ice 2.57 1/2" Ice 2.76 1" Ice 2.97	1.07 1.21 1.36	0.05 0.07 0.09
RRUS-11 (AT&T - Existing)	C	From Leg	1.00 1.00 0.00	0.0000	185.00	No Ice 2.57 1/2" Ice 2.76 1" Ice 2.97	1.07 1.21 1.36	0.05 0.07 0.09
RRUS-32 (AT&T - Existing)	A	From Leg	2.00 2.00 0.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	B	From Leg	2.00 2.00 0.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	C	From Leg	2.00 2.00 0.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	A	From Leg	3.00 -3.00 0.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	B	From Leg	3.00 -3.00 0.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	C	From Leg	3.00 -3.00 0.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	A	From Leg	3.00 0.00 2.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	B	From Leg	3.00 0.00 2.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	C	From Leg	3.00 0.00 2.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	A	From Leg	3.00 0.00 -2.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	B	From Leg	3.00 0.00 -2.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
RRUS-32 (AT&T - Existing)	C	From Leg	3.00 0.00 -2.00	0.0000	185.00	No Ice 3.31 1/2" Ice 3.56 1" Ice 3.81	2.42 2.64 2.86	0.08 0.10 0.14
B14 4478 (AT&T - Existing)	A	From Leg	3.00 3.00 0.00	0.0000	185.00	No Ice 1.84 1/2" Ice 2.01 1" Ice 2.19	1.06 1.20 1.34	0.06 0.08 0.09
B14 4478 (AT&T - Existing)	B	From Leg	3.00 3.00 0.00	0.0000	185.00	No Ice 1.84 1/2" Ice 2.01 1" Ice 2.19	1.06 1.20 1.34	0.06 0.08 0.09
B14 4478 (AT&T - Existing)	C	From Leg	3.00 3.00	0.0000	185.00	No Ice 1.84 1/2" Ice 2.01	1.06 1.20	0.06 0.08

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	Project	327' Guyed Tower - N. Eagleville Road Storrs, CT	Date	14:39:32 11/04/21
	Client	Verizon	Designed by	TJL

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
DC6-48-60-18-8F Surge Arrestor	A	None	0.00	0.0000	185.00	1" Ice	2.19	1.34	0.09
(AT&T - Existing)						No Ice	1.91	1.91	0.02
DC6-48-60-18-8F Surge Arrestor	B	None		0.0000	185.00	1/2" Ice	2.10	2.10	0.04
(AT&T - Existing)						1" Ice	2.29	2.29	0.06
DC6-48-60-18-8F Surge Arrestor	C	None		0.0000	185.00	No Ice	1.91	1.91	0.02
(AT&T - Existing)						1/2" Ice	2.10	2.10	0.04
12' V-Frame	A	None		0.0000	185.00	1" Ice	2.29	2.29	0.06
(AT&T - Existing)						No Ice	9.22	12.97	0.30
12' V-Frame	B	None		0.0000	185.00	1/2" Ice	9.22	12.97	0.40
(AT&T - Existing)						1" Ice	9.22	12.97	0.50
12' V-Frame	C	None		0.0000	185.00	No Ice	9.22	12.97	0.30
(AT&T - Existing)						1/2" Ice	9.22	12.97	0.40
BA40-67-DIN	B	From Leg	1.00	0.0000	205.00	1" Ice	9.22	12.97	0.50
			0.00			No Ice	2.08	2.08	0.01
			0.00			1/2" Ice	2.59	2.59	0.03
BA40-67-DIN	B	From Leg	1.00	0.0000	150.00	1" Ice	3.02	3.02	0.05
			0.00			No Ice	2.08	2.08	0.01
			0.00			1/2" Ice	2.59	2.59	0.03
			0.00			1" Ice	3.02	3.02	0.05

Tower Pressures - No Ice

$$G_H = 0.850 \text{ (base tower), } 1.350 \text{ (upper structure)}$$

Section Elevation ft	z ft	K _Z	q _z psf	A _G ft ²	F a c e	A _F ft ²	A _R ft ²	A _{leg} ft ²	Leg % In Face ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
L1 323.00-288.00	305.55	1.601	36	31.354	A	0.000	31.354	31.354	100.00	0.000	0.000
					B	0.000	31.354		100.00	0.000	0.000
					C	0.000	31.354		100.00	0.000	0.000
T1 288.00-280.00	284.00	1.577	35	30.693	A	0.000	4.690	2.667	56.85	0.872	0.000
					B	0.000	4.690		56.85	0.000	0.000
					C	0.000	4.982		53.52	0.000	0.000
T2 280.00-260.00	270.00	1.56	35	76.733	A	0.000	11.927	6.667	55.89	5.150	0.000
					B	0.000	11.927		55.89	2.142	0.000
					C	0.000	12.803		52.07	0.000	0.000
T3 260.00-240.00	250.00	1.535	34	77.150	A	0.000	12.730	7.500	58.92	33.932	0.000
					B	0.000	12.730		58.92	2.520	0.000
					C	0.000	13.600		55.15	0.000	0.000
T4 240.00-220.00	230.00	1.508	33	77.150	A	0.000	12.730	7.500	58.92	57.440	0.000
					B	0.000	12.730		58.92	2.520	0.000
					C	0.000	13.600		55.15	0.000	0.000
T5	210.00	1.48	33	77.567	A	0.000	13.821	8.333	60.30	58.639	0.000

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	Client	Verizon	Designed by TJL

Section Elevation	z	K _Z	q _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	ft ²		ft ²	ft ²	ft ²			ft ²
220.00-200.00					B	0.000	13.821		60.30	3.065	0.000
					C	0.000	14.686		56.74	0.000	0.000
T6	190.00	1.449	32	77.567	A	0.000	13.243	8.333	62.93	61.582	0.000
200.00-180.00					B	0.000	13.243		62.93	6.464	0.000
					C	0.000	14.108		59.07	13.680	0.000
T7	170.00	1.415	31	77.983	A	0.000	14.621	9.167	62.70	64.416	0.000
180.00-160.00					B	0.000	14.621		62.70	7.220	0.000
					C	0.000	15.481		59.21	54.720	0.000
T8	150.00	1.378	31	77.567	A	0.000	13.532	8.333	61.58	66.160	0.000
160.00-140.00					B	0.000	13.532		61.58	9.507	0.000
					C	0.000	14.397		57.88	54.720	0.000
T9	130.00	1.337	30	77.983	A	0.000	14.046	9.167	65.26	66.160	0.000
140.00-120.00					B	0.000	14.046		65.26	10.660	0.000
					C	0.000	14.907		61.49	54.720	0.000
T10	110.00	1.291	29	77.983	A	0.573	14.334	9.167	61.49	73.135	0.000
120.00-100.00					B	0.573	14.334		61.49	10.660	0.000
					C	0.573	15.194		58.13	54.720	0.000
T11	90.00	1.238	27	78.400	A	0.000	15.136	10.000	66.07	77.785	0.000
100.00-80.00					B	0.000	15.136		66.07	12.424	0.000
					C	0.000	15.991		62.54	61.608	0.000
T12	70.00	1.174	26	78.400	A	0.000	14.850	10.000	67.34	78.875	0.000
80.00-60.00					B	0.000	14.850		67.34	13.180	0.000
					C	0.000	15.705		63.67	89.160	0.000
T13	50.00	1.094	24	78.400	A	0.000	14.850	10.000	67.34	79.965	0.000
60.00-40.00					B	0.000	14.850		67.34	13.180	0.000
					C	0.000	15.705		63.67	89.160	0.000
T14	30.00	0.982	22	78.400	A	0.000	14.850	10.000	67.34	79.965	0.000
40.00-20.00					B	0.000	14.850		67.34	13.180	0.000
					C	0.000	15.705		63.67	89.160	0.000
T15 20.00-6.75	13.38	0.85	19	51.940	A	0.000	9.937	6.625	66.67	52.977	0.000
					B	0.000	9.937		66.67	9.441	0.000
					C	0.000	10.507		63.05	59.069	0.000
T16 6.75-0.00	3.38	0.85	19	14.135	A	7.139	3.537	3.537	33.13	6.997	0.000
					B	7.139	3.537		33.13	1.264	0.000
					C	7.139	3.537		33.13	7.801	0.000

Tower Pressure - With Ice

$G_H = 0.850$ (base tower), 1.350 (upper structure)

Section Elevation	z	K _Z	q _z	t _Z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	in	ft ²		ft ²	ft ²	ft ²		ft ²	ft ²
L1	305.55	1.601	6	2.4985	45.929	A	0.000	45.929	45.929	100.00	0.000	0.000
323.00-288.00						B	0.000	45.929		100.00	0.000	0.000
						C	0.000	45.929		100.00	0.000	0.000
T1	284.00	1.577	5	2.4803	34.000	A	0.000	19.790	9.281	46.90	4.841	0.000
288.00-280.00						B	0.000	19.790		46.90	0.000	0.000
						C	0.000	21.531		43.11	0.000	0.000
T2	270.00	1.56	5	2.4678	84.959	A	0.000	50.015	23.119	46.22	22.425	0.000
280.00-260.00						B	0.000	50.015		46.22	18.715	0.000
						C	0.000	55.214		41.87	0.000	0.000
T3	250.00	1.535	5	2.4489	85.313	A	0.000	50.397	23.826	47.28	124.118	0.000
260.00-240.00						B	0.000	50.397		47.28	21.885	0.000
						C	0.000	55.532		42.90	0.000	0.000

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Section Elevation	z	K _Z	q _z	t _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	in	ft ²		ft ²	ft ²	ft ²			
T4 240.00-220.00	230.00	1.508	5	2.4286	85.245	A	0.000	50.084	23.690	47.30	205.036	0.000
						B	0.000	50.084		47.30	21.742	0.000
						C	0.000	55.184		42.93	0.000	0.000
T5 220.00-200.00	210.00	1.48	5	2.4066	85.589	A	0.000	50.711	24.377	48.07	210.539	0.000
						B	0.000	50.711		48.07	24.539	0.000
						C	0.000	55.743		43.73	0.000	0.000
T6 200.00-180.00	190.00	1.449	5	2.3826	85.509	A	0.000	49.766	24.217	48.66	225.217	0.000
						B	0.000	49.766		48.66	36.736	0.000
						C	0.000	54.756		44.23	44.539	0.000
T7 180.00-160.00	170.00	1.415	5	2.3563	85.838	A	0.000	50.618	24.875	49.14	239.795	0.000
						B	0.000	50.618		49.14	38.035	0.000
						C	0.000	55.532		44.79	177.536	0.000
T8 160.00-140.00	150.00	1.378	5	2.3270	85.323	A	0.000	49.202	23.846	48.47	247.906	0.000
						B	0.000	49.202		48.47	46.833	0.000
						C	0.000	54.095		44.08	176.848	0.000
T9 140.00-120.00	130.00	1.337	5	2.2939	85.630	A	0.000	49.090	24.459	49.83	245.923	0.000
						B	0.000	49.090		49.83	53.008	0.000
						C	0.000	53.897		45.38	176.072	0.000
T10 120.00-100.00	110.00	1.291	4	2.2559	85.503	A	1.436	47.504	24.206	49.46	272.277	0.000
						B	1.436	47.504		49.46	52.487	0.000
						C	1.436	52.246		45.09	175.181	0.000
T11 100.00-80.00	90.00	1.238	4	2.2111	85.770	A	0.000	48.799	24.740	50.70	287.961	0.000
						B	0.000	48.799		50.70	55.899	0.000
						C	0.000	53.435		46.30	194.960	0.000
T12 80.00-60.00	70.00	1.174	4	2.1562	85.587	A	0.000	47.678	24.375	51.12	289.197	0.000
						B	0.000	47.678		51.12	56.885	0.000
						C	0.000	52.221		46.68	276.303	0.000
T13 60.00-40.00	50.00	1.094	4	2.0849	85.350	A	0.000	46.592	23.899	51.29	288.899	0.000
						B	0.000	46.592		51.29	55.925	0.000
						C	0.000	51.012		46.85	273.743	0.000
T14 40.00-20.00	30.00	0.982	3	1.9810	85.003	A	0.000	45.011	23.207	51.56	280.605	0.000
						B	0.000	45.011		51.56	54.532	0.000
						C	0.000	49.254		47.12	270.025	0.000
T15 20.00-6.75	13.38	0.85	3	1.8273	55.975	A	0.000	28.734	14.696	51.14	177.769	0.000
						B	0.000	28.734		51.14	36.440	0.000
						C	0.000	31.387		46.82	175.256	0.000
T16 6.75-0.00	3.38	0.85	3	1.5922	15.991	A	7.139	9.516	7.292	43.78	21.838	0.000
						B	7.139	9.516		43.78	4.580	0.000
						C	7.139	9.516		43.78	22.416	0.000

Tower Pressure - Service

$$G_H = 0.850 \text{ (base tower), } 1.350 \text{ (upper structure)}$$

Section Elevation	z	K _Z	q _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	ft ²		ft ²	ft ²	ft ²			
L1 323.00-288.00	305.55	1.601	13	31.354	A	0.000	31.354	31.354	100.00	0.000	0.000
					B	0.000	31.354		100.00	0.000	0.000
					C	0.000	31.354		100.00	0.000	0.000
T1 288.00-280.00	284.00	1.577	12	30.693	A	0.000	4.690	2.667	56.85	0.872	0.000
					B	0.000	4.690		56.85	0.000	0.000
					C	0.000	4.982		53.52	0.000	0.000
T2 270.00	270.00	1.56	12	76.733	A	0.000	11.927	6.667	55.89	5.150	0.000

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Section Elevation	z	K _Z	q _z	A _G	F a c e	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face ft ²	C _A A _A Out Face ft ²
ft	ft		psf	ft ²		ft ²	ft ²	ft ²			
280.00-260.00					B	0.000	11.927		55.89	2.142	0.000
					C	0.000	12.803		52.07	0.000	0.000
T3	250.00	1.535	12	77.150	A	0.000	12.730	7.500	58.92	33.932	0.000
260.00-240.00					B	0.000	12.730		58.92	2.520	0.000
					C	0.000	13.600		55.15	0.000	0.000
T4	230.00	1.508	12	77.150	A	0.000	12.730	7.500	58.92	57.440	0.000
240.00-220.00					B	0.000	12.730		58.92	2.520	0.000
					C	0.000	13.600		55.15	0.000	0.000
T5	210.00	1.48	12	77.567	A	0.000	13.821	8.333	60.30	58.639	0.000
220.00-200.00					B	0.000	13.821		60.30	3.065	0.000
					C	0.000	14.686		56.74	0.000	0.000
T6	190.00	1.449	11	77.567	A	0.000	13.243	8.333	62.93	61.582	0.000
200.00-180.00					B	0.000	13.243		62.93	6.464	0.000
					C	0.000	14.108		59.07	13.680	0.000
T7	170.00	1.415	11	77.983	A	0.000	14.621	9.167	62.70	64.416	0.000
180.00-160.00					B	0.000	14.621		62.70	7.220	0.000
					C	0.000	15.481		59.21	54.720	0.000
T8	150.00	1.378	11	77.567	A	0.000	13.532	8.333	61.58	66.160	0.000
160.00-140.00					B	0.000	13.532		61.58	9.507	0.000
					C	0.000	14.397		57.88	54.720	0.000
T9	130.00	1.337	10	77.983	A	0.000	14.046	9.167	65.26	66.160	0.000
140.00-120.00					B	0.000	14.046		65.26	10.660	0.000
					C	0.000	14.907		61.49	54.720	0.000
T10	110.00	1.291	10	77.983	A	0.573	14.334	9.167	61.49	73.135	0.000
120.00-100.00					B	0.573	14.334		61.49	10.660	0.000
					C	0.573	15.194		58.13	54.720	0.000
T11	90.00	1.238	10	78.400	A	0.000	15.136	10.000	66.07	77.785	0.000
100.00-80.00					B	0.000	15.136		66.07	12.424	0.000
					C	0.000	15.991		62.54	61.608	0.000
T12	70.00	1.174	9	78.400	A	0.000	14.850	10.000	67.34	78.875	0.000
80.00-60.00					B	0.000	14.850		67.34	13.180	0.000
					C	0.000	15.705		63.67	89.160	0.000
T13	50.00	1.094	9	78.400	A	0.000	14.850	10.000	67.34	79.965	0.000
60.00-40.00					B	0.000	14.850		67.34	13.180	0.000
					C	0.000	15.705		63.67	89.160	0.000
T14	30.00	0.982	8	78.400	A	0.000	14.850	10.000	67.34	79.965	0.000
40.00-20.00					B	0.000	14.850		67.34	13.180	0.000
					C	0.000	15.705		63.67	89.160	0.000
T15 20.00-6.75	13.38	0.85	7	51.940	A	0.000	9.937	6.625	66.67	52.977	0.000
					B	0.000	9.937		66.67	9.441	0.000
					C	0.000	10.507		63.05	59.069	0.000
T16 6.75-0.00	3.38	0.85	7	14.135	A	7.139	3.537	3.537	33.13	6.997	0.000
					B	7.139	3.537		33.13	1.264	0.000
					C	7.139	3.537		33.13	7.801	0.000

Tower Forces - No Ice - Wind Normal To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1	0.00	3.20	A	1	0.6	36	1	1	31.354	0.90	25.79	C
323.00-288.00			B	1	0.6		1	1	31.354			
			C	1	0.6		1	1	31.354			
T1	0.00	0.53	A	0.153	2.761	35	1	1	2.663	0.25	30.68	C
288.00-280.00		TA 0.83	B	0.153	2.761		1	1	2.663			
			C	0.162	2.727		1	1	2.834			

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	Client Verizon	Designed by TJL

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
ft	K	K										
T2 280.00-260.00	0.02	1.36	A	0.155	2.752	35	1	1	6.776	0.71	35.52	C
			B	0.155	2.752		1	1	6.776			
			C	0.167	2.71		1	1	7.291			
T3 260.00-240.00	0.14	1.53	A	0.165	2.717	34	1	1	7.246	1.24	61.76	C
		TA 0.83	B	0.165	2.717		1	1	7.246			
			C	0.176	2.677		1	1	7.762			
T4 240.00-220.00	0.23	1.53	A	0.165	2.717	33	1	1	7.246	1.62	80.75	C
			B	0.165	2.717		1	1	7.246			
			C	0.176	2.677		1	1	7.762			
T5 220.00-200.00	0.24	1.81	A	0.178	2.671	33	1	1	7.892	1.65	82.58	C
		TA 0.83	B	0.178	2.671		1	1	7.892			
			C	0.189	2.632		1	1	8.411			
T6 200.00-180.00	0.33	1.65	A	0.171	2.697	32	1	1	7.548	1.93	96.31	C
			B	0.171	2.697		1	1	7.548			
			C	0.182	2.658		1	1	8.063			
T7 180.00-160.00	0.54	2.03	A	0.187	2.638	31	1	1	8.369	2.64	132.09	C
		TA 0.83	B	0.187	2.638		1	1	8.369			
			C	0.199	2.601		1	1	8.890			
T8 160.00-140.00	0.55	1.73	A	0.174	2.684	31	1	1	7.719	2.60	130.06	C
			B	0.174	2.684		1	1	7.719			
			C	0.186	2.645		1	1	8.237			
T9 140.00-120.00	0.55	1.86	A	0.18	2.664	30	1	1	8.024	2.56	127.88	C
			B	0.18	2.664		1	1	8.024			
			C	0.191	2.626		1	1	8.541			
T10 120.00-100.00	0.58	2.03	A	0.191	2.626	29	1	1	8.787	2.61	130.59	C
		TA 0.83	B	0.191	2.626		1	1	8.787			
			C	0.202	2.589		1	1	9.308			
T11 100.00-80.00	0.64	2.18	A	0.193	2.619	27	1	1	8.677	2.68	134.11	C
			B	0.193	2.619		1	1	8.677			
			C	0.204	2.583		1	1	9.198			
T12 80.00-60.00	0.83	2.10	A	0.189	2.632	26	1	1	8.505	2.93	146.36	C
			B	0.189	2.632		1	1	8.505			
			C	0.2	2.595		1	1	9.023			
T13 60.00-40.00	0.83	2.10	A	0.189	2.632	24	1	1	8.505	2.74	137.03	C
		TA 0.83	B	0.189	2.632		1	1	8.505			
			C	0.2	2.595		1	1	9.023			
T14 40.00-20.00	0.83	2.10	A	0.189	2.632	22	1	1	8.505	2.46	123.06	C
			B	0.189	2.632		1	1	8.505			
			C	0.2	2.595		1	1	9.023			
T15 20.00-6.75	0.55	1.40	A	0.191	2.625	19	1	1	5.694	1.42	107.15	C
			B	0.191	2.625		1	1	5.694			
			C	0.202	2.588		1	1	6.041			
T16 6.75-0.00	0.07	0.90	A	0.755	1.79	19	1	1	10.151	0.35	52.50	C
			B	0.755	1.79		1	1	10.151			
			C	0.755	1.79		1	1	10.151			
Sum Weight:	6.96	35.03								31.28		

Tower Forces - No Ice - Wind 45 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
ft	K	K										
L1	0.00	3.20	A	1	0.6	36	1	1	31.354	0.90	25.79	C

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	Client	Verizon	Designed by	TJL

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
323.00-288.00			B	1	0.6		1	1	31.354			
			C	1	0.6		1	1	31.354			
T1	0.00	0.53	A	0.153	2.761	35	0.825	1	2.663	0.25	30.68	C
288.00-280.00		TA 0.83	B	0.153	2.761		0.825	1	2.663			
			C	0.162	2.727		0.825	1	2.834			
T2	0.02	1.36	A	0.155	2.752	35	0.825	1	6.776	0.71	35.52	C
280.00-260.00			B	0.155	2.752		0.825	1	6.776			
			C	0.167	2.71		0.825	1	7.291			
T3	0.14	1.53	A	0.165	2.717	34	0.825	1	7.246	1.24	61.76	C
260.00-240.00		TA 0.83	B	0.165	2.717		0.825	1	7.246			
			C	0.176	2.677		0.825	1	7.762			
T4	0.23	1.53	A	0.165	2.717	33	0.825	1	7.246	1.62	80.75	C
240.00-220.00			B	0.165	2.717		0.825	1	7.246			
			C	0.176	2.677		0.825	1	7.762			
T5	0.24	1.81	A	0.178	2.671	33	0.825	1	7.892	1.65	82.58	C
220.00-200.00		TA 0.83	B	0.178	2.671		0.825	1	7.892			
			C	0.189	2.632		0.825	1	8.411			
T6	0.33	1.65	A	0.171	2.697	32	0.825	1	7.548	1.93	96.31	C
200.00-180.00			B	0.171	2.697		0.825	1	7.548			
			C	0.182	2.658		0.825	1	8.063			
T7	0.54	2.03	A	0.187	2.638	31	0.825	1	8.369	2.64	132.09	C
180.00-160.00		TA 0.83	B	0.187	2.638		0.825	1	8.369			
			C	0.199	2.601		0.825	1	8.890			
T8	0.55	1.73	A	0.174	2.684	31	0.825	1	7.719	2.60	130.06	C
160.00-140.00			B	0.174	2.684		0.825	1	7.719			
			C	0.186	2.645		0.825	1	8.237			
T9	0.55	1.86	A	0.18	2.664	30	0.825	1	8.024	2.56	127.88	C
140.00-120.00			B	0.18	2.664		0.825	1	8.024			
			C	0.191	2.626		0.825	1	8.541			
T10	0.58	2.03	A	0.191	2.626	29	0.825	1	8.686	2.61	130.28	C
120.00-100.00		TA 0.83	B	0.191	2.626		0.825	1	8.686			
			C	0.202	2.589		0.825	1	9.208			
T11	0.64	2.18	A	0.193	2.619	27	0.825	1	8.677	2.68	134.11	C
100.00-80.00			B	0.193	2.619		0.825	1	8.677			
			C	0.204	2.583		0.825	1	9.198			
T12	0.83	2.10	A	0.189	2.632	26	0.825	1	8.505	2.93	146.36	C
80.00-60.00			B	0.189	2.632		0.825	1	8.505			
			C	0.2	2.595		0.825	1	9.023			
T13	0.83	2.10	A	0.189	2.632	24	0.825	1	8.505	2.74	137.03	C
60.00-40.00		TA 0.83	B	0.189	2.632		0.825	1	8.505			
			C	0.2	2.595		0.825	1	9.023			
T14	0.83	2.10	A	0.189	2.632	22	0.825	1	8.505	2.46	123.06	C
40.00-20.00			B	0.189	2.632		0.825	1	8.505			
			C	0.2	2.595		0.825	1	9.023			
T15	0.55	1.40	A	0.191	2.625	19	0.825	1	5.694	1.42	107.15	C
20.00-6.75			B	0.191	2.625		0.825	1	5.694			
			C	0.202	2.588		0.825	1	6.041			
T16 6.75-0.00	0.07	0.90	A	0.755	1.79	19	0.825	1	8.902	0.32	47.19	C
			B	0.755	1.79		0.825	1	8.902			
			C	0.755	1.79		0.825	1	8.902			
Sum Weight:	6.96	35.03								31.24		

Tower Forces - No Ice - Wind 60 To Face

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job	Page
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	Project 327' Guyed Tower - N. Eagleville Road Storrs, CT	Date 14:39:32 11/04/21
	Client Verizon	Designed by TJL

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
L1 323.00-288.00	0.00	3.20	A	1	0.6	36	1	1	31.354	0.90	25.79	C
			B	1	0.6		1	1	31.354			
			C	1	0.6		1	1	31.354			
T1 288.00-280.00	0.00	0.53	A	0.153	2.761	35	0.8	1	2.663	0.25	30.68	C
		TA 0.83	B	0.153	2.761		0.8	1	2.663			
			C	0.162	2.727		0.8	1	2.834			
T2 280.00-260.00	0.02	1.36	A	0.155	2.752	35	0.8	1	6.776	0.71	35.52	C
			B	0.155	2.752		0.8	1	6.776			
			C	0.167	2.71		0.8	1	7.291			
T3 260.00-240.00	0.14	1.53	A	0.165	2.717	34	0.8	1	7.246	1.24	61.76	C
		TA 0.83	B	0.165	2.717		0.8	1	7.246			
			C	0.176	2.677		0.8	1	7.762			
T4 240.00-220.00	0.23	1.53	A	0.165	2.717	33	0.8	1	7.246	1.62	80.75	C
			B	0.165	2.717		0.8	1	7.246			
			C	0.176	2.677		0.8	1	7.762			
T5 220.00-200.00	0.24	1.81	A	0.178	2.671	33	0.8	1	7.892	1.65	82.58	C
		TA 0.83	B	0.178	2.671		0.8	1	7.892			
			C	0.189	2.632		0.8	1	8.411			
T6 200.00-180.00	0.33	1.65	A	0.171	2.697	32	0.8	1	7.548	1.93	96.31	C
			B	0.171	2.697		0.8	1	7.548			
			C	0.182	2.658		0.8	1	8.063			
T7 180.00-160.00	0.54	2.03	A	0.187	2.638	31	0.8	1	8.369	2.64	132.09	C
		TA 0.83	B	0.187	2.638		0.8	1	8.369			
			C	0.199	2.601		0.8	1	8.890			
T8 160.00-140.00	0.55	1.73	A	0.174	2.684	31	0.8	1	7.719	2.60	130.06	C
			B	0.174	2.684		0.8	1	7.719			
			C	0.186	2.645		0.8	1	8.237			
T9 140.00-120.00	0.55	1.86	A	0.18	2.664	30	0.8	1	8.024	2.56	127.88	C
			B	0.18	2.664		0.8	1	8.024			
			C	0.191	2.626		0.8	1	8.541			
T10 120.00-100.00	0.58	2.03	A	0.191	2.626	29	0.8	1	8.672	2.60	130.23	C
		TA 0.83	B	0.191	2.626		0.8	1	8.672			
			C	0.202	2.589		0.8	1	9.194			
T11 100.00-80.00	0.64	2.18	A	0.193	2.619	27	0.8	1	8.677	2.68	134.11	C
			B	0.193	2.619		0.8	1	8.677			
			C	0.204	2.583		0.8	1	9.198			
T12 80.00-60.00	0.83	2.10	A	0.189	2.632	26	0.8	1	8.505	2.93	146.36	C
			B	0.189	2.632		0.8	1	8.505			
			C	0.2	2.595		0.8	1	9.023			
T13 60.00-40.00	0.83	2.10	A	0.189	2.632	24	0.8	1	8.505	2.74	137.03	C
		TA 0.83	B	0.189	2.632		0.8	1	8.505			
			C	0.2	2.595		0.8	1	9.023			
T14 40.00-20.00	0.83	2.10	A	0.189	2.632	22	0.8	1	8.505	2.46	123.06	C
			B	0.189	2.632		0.8	1	8.505			
			C	0.2	2.595		0.8	1	9.023			
T15 20.00-6.75	0.55	1.40	A	0.191	2.625	19	0.8	1	5.694	1.42	107.15	C
			B	0.191	2.625		0.8	1	5.694			
			C	0.202	2.588		0.8	1	6.041			
T16 6.75-0.00	0.07	0.90	A	0.755	1.79	19	0.8	1	8.723	0.31	46.43	C
			B	0.755	1.79		0.8	1	8.723			
			C	0.755	1.79		0.8	1	8.723			
Sum Weight:	6.96	35.03								31.24		

Tower Forces - No Ice - Wind 90 To Face

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job	Page
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	Project 327' Guyed Tower - N. Eagleville Road Storrs, CT	Date 14:39:32 11/04/21
	Client Verizon	Designed by TJL

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
L1 323.00-288.00	0.00	3.20	A	1	0.6	36	1	1	31.354	0.90	25.79	C
			B	1	0.6		1	1	31.354			
			C	1	0.6		1	1	31.354			
T1 288.00-280.00	0.00	0.53	A	0.153	2.761	35	0.85	1	2.663	0.25	30.68	C
		TA 0.83	B	0.153	2.761		0.85	1	2.663			
			C	0.162	2.727		0.85	1	2.834			
T2 280.00-260.00	0.02	1.36	A	0.155	2.752	35	0.85	1	6.776	0.71	35.52	C
			B	0.155	2.752		0.85	1	6.776			
			C	0.167	2.71		0.85	1	7.291			
T3 260.00-240.00	0.14	1.53	A	0.165	2.717	34	0.85	1	7.246	1.24	61.76	C
		TA 0.83	B	0.165	2.717		0.85	1	7.246			
			C	0.176	2.677		0.85	1	7.762			
T4 240.00-220.00	0.23	1.53	A	0.165	2.717	33	0.85	1	7.246	1.62	80.75	C
			B	0.165	2.717		0.85	1	7.246			
			C	0.176	2.677		0.85	1	7.762			
T5 220.00-200.00	0.24	1.81	A	0.178	2.671	33	0.85	1	7.892	1.65	82.58	C
		TA 0.83	B	0.178	2.671		0.85	1	7.892			
			C	0.189	2.632		0.85	1	8.411			
T6 200.00-180.00	0.33	1.65	A	0.171	2.697	32	0.85	1	7.548	1.93	96.31	C
			B	0.171	2.697		0.85	1	7.548			
			C	0.182	2.658		0.85	1	8.063			
T7 180.00-160.00	0.54	2.03	A	0.187	2.638	31	0.85	1	8.369	2.64	132.09	C
		TA 0.83	B	0.187	2.638		0.85	1	8.369			
			C	0.199	2.601		0.85	1	8.890			
T8 160.00-140.00	0.55	1.73	A	0.174	2.684	31	0.85	1	7.719	2.60	130.06	C
			B	0.174	2.684		0.85	1	7.719			
			C	0.186	2.645		0.85	1	8.237			
T9 140.00-120.00	0.55	1.86	A	0.18	2.664	30	0.85	1	8.024	2.56	127.88	C
			B	0.18	2.664		0.85	1	8.024			
			C	0.191	2.626		0.85	1	8.541			
T10 120.00-100.00	0.58	2.03	A	0.191	2.626	29	0.85	1	8.701	2.61	130.32	C
		TA 0.83	B	0.191	2.626		0.85	1	8.701			
			C	0.202	2.589		0.85	1	9.222			
T11 100.00-80.00	0.64	2.18	A	0.193	2.619	27	0.85	1	8.677	2.68	134.11	C
			B	0.193	2.619		0.85	1	8.677			
			C	0.204	2.583		0.85	1	9.198			
T12 80.00-60.00	0.83	2.10	A	0.189	2.632	26	0.85	1	8.505	2.93	146.36	C
			B	0.189	2.632		0.85	1	8.505			
			C	0.2	2.595		0.85	1	9.023			
T13 60.00-40.00	0.83	2.10	A	0.189	2.632	24	0.85	1	8.505	2.74	137.03	C
		TA 0.83	B	0.189	2.632		0.85	1	8.505			
			C	0.2	2.595		0.85	1	9.023			
T14 40.00-20.00	0.83	2.10	A	0.189	2.632	22	0.85	1	8.505	2.46	123.06	C
			B	0.189	2.632		0.85	1	8.505			
			C	0.2	2.595		0.85	1	9.023			
T15 20.00-6.75	0.55	1.40	A	0.191	2.625	19	0.85	1	5.694	1.42	107.15	C
			B	0.191	2.625		0.85	1	5.694			
			C	0.202	2.588		0.85	1	6.041			
T16 6.75-0.00	0.07	0.90	A	0.755	1.79	19	0.85	1	9.080	0.32	47.95	C
			B	0.755	1.79		0.85	1	9.080			
			C	0.755	1.79		0.85	1	9.080			
Sum Weight:	6.96	35.03								31.25		

Tower Forces - With Ice - Wind Normal To Face

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job	Page
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	Project 327' Guyed Tower - N. Eagleville Road Storrs, CT	Date 14:39:32 11/04/21
	Client Verizon	Designed by TJL

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
L1 323.00-288.00	0.00	4.62	A	1	1.2	6	1	1	45.929	0.41	11.85	C
			B	1	1.2		1	1	45.929			
			C	1	1.2		1	1	45.929			
T1 288.00-280.00	0.09	1.61	A	0.582	1.816	5	1	1	14.497	0.15	18.35	C
		TA 2.14	B	0.582	1.816		1	1	14.497			
			C	0.633	1.787		1	1	16.477			
T2 280.00-260.00	0.64	4.11	A	0.589	1.811	5	1	1	36.844	0.43	21.53	C
			B	0.589	1.811		1	1	36.844			
			C	0.65	1.782		1	1	42.866			
T3 260.00-240.00	2.66	4.29	A	0.591	1.81	5	1	1	37.189	0.62	31.03	C
		TA 2.12	B	0.591	1.81		1	1	37.189			
			C	0.651	1.781		1	1	43.152			
T4 240.00-220.00	4.17	4.26	A	0.588	1.812	5	1	1	36.859	0.76	37.88	C
			B	0.588	1.812		1	1	36.859			
			C	0.647	1.782		1	1	42.749			
T5 220.00-200.00	4.29	4.57	A	0.593	1.809	5	1	1	37.478	0.76	37.87	C
		TA 2.09	B	0.593	1.809		1	1	37.478			
			C	0.651	1.781		1	1	43.329			
T6 200.00-180.00	5.54	4.30	A	0.582	1.816	5	1	1	36.454	0.77*	38.49	C
			B	0.582	1.816		1	1	36.454			
			C	0.64	1.785		1	1	42.161			
T7 180.00-160.00	8.04	4.74	A	0.59	1.811	5	1	1	37.319	0.75*	37.75	C
		TA 2.06	B	0.59	1.811		1	1	37.319			
			C	0.647	1.782		1	1	43.003			
T8 160.00-140.00	8.14	4.31	A	0.577	1.82	5	1	1	35.879	0.73*	36.55	C
			B	0.577	1.82		1	1	35.879			
			C	0.634	1.787		1	1	41.424			
T9 140.00-120.00	8.05	4.40	A	0.573	1.823	5	1	1	35.697	0.71*	35.59	C
			B	0.573	1.823		1	1	35.697			
			C	0.629	1.789		1	1	41.110			
T10 120.00-100.00	8.41	4.46	A	0.572	1.824	4	1	1	35.953	0.69*	34.31	C
		TA 2.00	B	0.572	1.824		1	1	35.953			
			C	0.628	1.789		1	1	41.231			
T11 100.00-80.00	8.98	4.64	A	0.569	1.827	4	1	1	35.356	0.66*	32.99	C
			B	0.569	1.827		1	1	35.356			
			C	0.623	1.792		1	1	40.533			
T12 80.00-60.00	10.27	4.44	A	0.557	1.837	4	1	1	34.204	0.62*	31.22	C
			B	0.557	1.837		1	1	34.204			
			C	0.61	1.798		1	1	39.177			
T13 60.00-40.00	9.97	4.32	A	0.546	1.847	4	1	1	33.118	0.58*	29.01	C
		TA 1.90	B	0.546	1.847		1	1	33.118			
			C	0.598	1.805		1	1	37.866			
T14 40.00-20.00	9.42	4.15	A	0.53	1.865	3	1	1	31.570	0.52*	25.94	C
			B	0.53	1.865		1	1	31.570			
			C	0.579	1.818		1	1	36.001			
T15 20.00-6.75	5.75	2.62	A	0.513	1.883	3	1	1	19.892	0.30*	22.32	C
			B	0.513	1.883		1	1	19.892			
			C	0.561	1.834		1	1	22.586			
T16 6.75-0.00	0.66	1.73	A	1	2.1	3	1	1	16.655	0.08*	12.51	C
			B	1	2.1		1	1	16.655			
			C	1	2.1		1	1	16.655			
Sum Weight:	95.08	79.87			*2.1A _g limit					9.54		

Tower Forces - With Ice - Wind 45 To Face

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job	Page
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	Project 327' Guyed Tower - N. Eagleville Road Storrs, CT	Date 14:39:32 11/04/21
	Client Verizon	Designed by TJL

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
L1 323.00-288.00	0.00	4.62	A	1	1.2	6	1	1	45.929	0.41	11.85	C
			B	1	1.2		1	1	45.929			
			C	1	1.2		1	1	45.929			
T1 288.00-280.00	0.09	1.61	A	0.582	1.816	5	0.825	1	14.497	0.15	18.35	C
		TA 2.14	B	0.582	1.816		0.825	1	14.497			
			C	0.633	1.787		0.825	1	16.477			
T2 280.00-260.00	0.64	4.11	A	0.589	1.811	5	0.825	1	36.844	0.43	21.53	C
			B	0.589	1.811		0.825	1	36.844			
			C	0.65	1.782		0.825	1	42.866			
T3 260.00-240.00	2.66	4.29	A	0.591	1.81	5	0.825	1	37.189	0.62	31.03	C
		TA 2.12	B	0.591	1.81		0.825	1	37.189			
			C	0.651	1.781		0.825	1	43.152			
T4 240.00-220.00	4.17	4.26	A	0.588	1.812	5	0.825	1	36.859	0.76	37.88	C
			B	0.588	1.812		0.825	1	36.859			
			C	0.647	1.782		0.825	1	42.749			
T5 220.00-200.00	4.29	4.57	A	0.593	1.809	5	0.825	1	37.478	0.76	37.87	C
		TA 2.09	B	0.593	1.809		0.825	1	37.478			
			C	0.651	1.781		0.825	1	43.329			
T6 200.00-180.00	5.54	4.30	A	0.582	1.816	5	0.825	1	36.454	0.77*	38.49	C
			B	0.582	1.816		0.825	1	36.454			
			C	0.64	1.785		0.825	1	42.161			
T7 180.00-160.00	8.04	4.74	A	0.59	1.811	5	0.825	1	37.319	0.75*	37.75	C
		TA 2.06	B	0.59	1.811		0.825	1	37.319			
			C	0.647	1.782		0.825	1	43.003			
T8 160.00-140.00	8.14	4.31	A	0.577	1.82	5	0.825	1	35.879	0.73*	36.55	C
			B	0.577	1.82		0.825	1	35.879			
			C	0.634	1.787		0.825	1	41.424			
T9 140.00-120.00	8.05	4.40	A	0.573	1.823	5	0.825	1	35.697	0.71*	35.59	C
			B	0.573	1.823		0.825	1	35.697			
			C	0.629	1.789		0.825	1	41.110			
T10 120.00-100.00	8.41	4.46	A	0.572	1.824	4	0.825	1	35.701	0.69*	34.31	C
		TA 2.00	B	0.572	1.824		0.825	1	35.701			
			C	0.628	1.789		0.825	1	40.980			
T11 100.00-80.00	8.98	4.64	A	0.569	1.827	4	0.825	1	35.356	0.66*	32.99	C
			B	0.569	1.827		0.825	1	35.356			
			C	0.623	1.792		0.825	1	40.533			
T12 80.00-60.00	10.27	4.44	A	0.557	1.837	4	0.825	1	34.204	0.62*	31.22	C
			B	0.557	1.837		0.825	1	34.204			
			C	0.61	1.798		0.825	1	39.177			
T13 60.00-40.00	9.97	4.32	A	0.546	1.847	4	0.825	1	33.118	0.58*	29.01	C
		TA 1.90	B	0.546	1.847		0.825	1	33.118			
			C	0.598	1.805		0.825	1	37.866			
T14 40.00-20.00	9.42	4.15	A	0.53	1.865	3	0.825	1	31.570	0.52*	25.94	C
			B	0.53	1.865		0.825	1	31.570			
			C	0.579	1.818		0.825	1	36.001			
T15 20.00-6.75	5.75	2.62	A	0.513	1.883	3	0.825	1	19.892	0.30*	22.32	C
			B	0.513	1.883		0.825	1	19.892			
			C	0.561	1.834		0.825	1	22.586			
T16 6.75-0.00	0.66	1.73	A	1	2.1	3	0.825	1	15.406	0.08	12.06	C
			B	1	2.1		0.825	1	15.406			
			C	1	2.1		0.825	1	15.406			
Sum Weight:	95.08	79.87			*2.1A _g limit					9.54		

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job	21007.33 - Storrs	Page	41 of 91
	Project	327' Guyed Tower - N. Eagleville Road Storrs, CT	Date	14:39:32 11/04/21
	Client	Verizon	Designed by	TJL

Tower Forces - With Ice - Wind 60 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
L1 323.00-288.00	0.00	4.62	A	1	1.2	6	1	1	45.929	0.41	11.85	C
			B	1	1.2		1	1	45.929			
			C	1	1.2		1	1	45.929			
T1 288.00-280.00	0.09	1.61	A	0.582	1.816	5	0.8	1	14.497	0.15	18.35	C
		TA 2.14	B	0.582	1.816		0.8	1	14.497			
			C	0.633	1.787		0.8	1	16.477			
T2 280.00-260.00	0.64	4.11	A	0.589	1.811	5	0.8	1	36.844	0.43	21.53	C
			B	0.589	1.811		0.8	1	36.844			
			C	0.65	1.782		0.8	1	42.866			
T3 260.00-240.00	2.66	4.29	A	0.591	1.81	5	0.8	1	37.189	0.62	31.03	C
		TA 2.12	B	0.591	1.81		0.8	1	37.189			
			C	0.651	1.781		0.8	1	43.152			
T4 240.00-220.00	4.17	4.26	A	0.588	1.812	5	0.8	1	36.859	0.76	37.88	C
			B	0.588	1.812		0.8	1	36.859			
			C	0.647	1.782		0.8	1	42.749			
T5 220.00-200.00	4.29	4.57	A	0.593	1.809	5	0.8	1	37.478	0.76	37.87	C
		TA 2.09	B	0.593	1.809		0.8	1	37.478			
			C	0.651	1.781		0.8	1	43.329			
T6 200.00-180.00	5.54	4.30	A	0.582	1.816	5	0.8	1	36.454	0.77*	38.49	C
			B	0.582	1.816		0.8	1	36.454			
			C	0.64	1.785		0.8	1	42.161			
T7 180.00-160.00	8.04	4.74	A	0.59	1.811	5	0.8	1	37.319	0.75*	37.75	C
		TA 2.06	B	0.59	1.811		0.8	1	37.319			
			C	0.647	1.782		0.8	1	43.003			
T8 160.00-140.00	8.14	4.31	A	0.577	1.82	5	0.8	1	35.879	0.73*	36.55	C
			B	0.577	1.82		0.8	1	35.879			
			C	0.634	1.787		0.8	1	41.424			
T9 140.00-120.00	8.05	4.40	A	0.573	1.823	5	0.8	1	35.697	0.71*	35.59	C
			B	0.573	1.823		0.8	1	35.697			
			C	0.629	1.789		0.8	1	41.110			
T10 120.00-100.00	8.41	4.46	A	0.572	1.824	4	0.8	1	35.665	0.69*	34.31	C
		TA 2.00	B	0.572	1.824		0.8	1	35.665			
			C	0.628	1.789		0.8	1	40.944			
T11 100.00-80.00	8.98	4.64	A	0.569	1.827	4	0.8	1	35.356	0.66*	32.99	C
			B	0.569	1.827		0.8	1	35.356			
			C	0.623	1.792		0.8	1	40.533			
T12 80.00-60.00	10.27	4.44	A	0.557	1.837	4	0.8	1	34.204	0.62*	31.22	C
			B	0.557	1.837		0.8	1	34.204			
			C	0.61	1.798		0.8	1	39.177			
T13 60.00-40.00	9.97	4.32	A	0.546	1.847	4	0.8	1	33.118	0.58*	29.01	C
		TA 1.90	B	0.546	1.847		0.8	1	33.118			
			C	0.598	1.805		0.8	1	37.866			
T14 40.00-20.00	9.42	4.15	A	0.53	1.865	3	0.8	1	31.570	0.52*	25.94	C
			B	0.53	1.865		0.8	1	31.570			
			C	0.579	1.818		0.8	1	36.001			
T15 20.00-6.75	5.75	2.62	A	0.513	1.883	3	0.8	1	19.892	0.30*	22.32	C
			B	0.513	1.883		0.8	1	19.892			
			C	0.561	1.834		0.8	1	22.586			
T16 6.75-0.00	0.66	1.73	A	1	2.1	3	0.8	1	15.227	0.08	11.92	C
			B	1	2.1		0.8	1	15.227			
			C	1	2.1		0.8	1	15.227			
Sum Weight:	95.08	79.87			*2.1A _g limit					9.54		

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	Client	Verizon	Designed by	TJL

Tower Forces - With Ice - Wind 90 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
L1 323.00-288.00	0.00	4.62	A	1	1.2	6	1	1	45.929	0.41	11.85	C
			B	1	1.2		1	1	45.929			
			C	1	1.2		1	1	45.929			
T1 288.00-280.00	0.09	1.61	A	0.582	1.816	5	0.85	1	14.497	0.15	18.35	C
		TA 2.14	B	0.582	1.816		0.85	1	14.497			
			C	0.633	1.787		0.85	1	16.477			
T2 280.00-260.00	0.64	4.11	A	0.589	1.811	5	0.85	1	36.844	0.43	21.53	C
			B	0.589	1.811		0.85	1	36.844			
			C	0.65	1.782		0.85	1	42.866			
T3 260.00-240.00	2.66	4.29	A	0.591	1.81	5	0.85	1	37.189	0.62	31.03	C
		TA 2.12	B	0.591	1.81		0.85	1	37.189			
			C	0.651	1.781		0.85	1	43.152			
T4 240.00-220.00	4.17	4.26	A	0.588	1.812	5	0.85	1	36.859	0.76	37.88	C
			B	0.588	1.812		0.85	1	36.859			
			C	0.647	1.782		0.85	1	42.749			
T5 220.00-200.00	4.29	4.57	A	0.593	1.809	5	0.85	1	37.478	0.76	37.87	C
		TA 2.09	B	0.593	1.809		0.85	1	37.478			
			C	0.651	1.781		0.85	1	43.329			
T6 200.00-180.00	5.54	4.30	A	0.582	1.816	5	0.85	1	36.454	0.77*	38.49	C
			B	0.582	1.816		0.85	1	36.454			
			C	0.64	1.785		0.85	1	42.161			
T7 180.00-160.00	8.04	4.74	A	0.59	1.811	5	0.85	1	37.319	0.75*	37.75	C
		TA 2.06	B	0.59	1.811		0.85	1	37.319			
			C	0.647	1.782		0.85	1	43.003			
T8 160.00-140.00	8.14	4.31	A	0.577	1.82	5	0.85	1	35.879	0.73*	36.55	C
			B	0.577	1.82		0.85	1	35.879			
			C	0.634	1.787		0.85	1	41.424			
T9 140.00-120.00	8.05	4.40	A	0.573	1.823	5	0.85	1	35.697	0.71*	35.59	C
			B	0.573	1.823		0.85	1	35.697			
			C	0.629	1.789		0.85	1	41.110			
T10 120.00-100.00	8.41	4.46	A	0.572	1.824	4	0.85	1	35.737	0.69*	34.31	C
		TA 2.00	B	0.572	1.824		0.85	1	35.737			
			C	0.628	1.789		0.85	1	41.016			
T11 100.00-80.00	8.98	4.64	A	0.569	1.827	4	0.85	1	35.356	0.66*	32.99	C
			B	0.569	1.827		0.85	1	35.356			
			C	0.623	1.792		0.85	1	40.533			
T12 80.00-60.00	10.27	4.44	A	0.557	1.837	4	0.85	1	34.204	0.62*	31.22	C
			B	0.557	1.837		0.85	1	34.204			
			C	0.61	1.798		0.85	1	39.177			
T13 60.00-40.00	9.97	4.32	A	0.546	1.847	4	0.85	1	33.118	0.58*	29.01	C
		TA 1.90	B	0.546	1.847		0.85	1	33.118			
			C	0.598	1.805		0.85	1	37.866			
T14 40.00-20.00	9.42	4.15	A	0.53	1.865	3	0.85	1	31.570	0.52*	25.94	C
			B	0.53	1.865		0.85	1	31.570			
			C	0.579	1.818		0.85	1	36.001			
T15 20.00-6.75	5.75	2.62	A	0.513	1.883	3	0.85	1	19.892	0.30*	22.32	C
			B	0.513	1.883		0.85	1	19.892			
			C	0.561	1.834		0.85	1	22.586			
T16 6.75-0.00	0.66	1.73	A	1	2.1	3	0.85	1	15.584	0.08	12.20	C
			B	1	2.1		0.85	1	15.584			
			C	1	2.1		0.85	1	15.584			
Sum Weight:	95.08	79.87			*2.1A _g limit					9.54		

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	Client Verizon	Designed by TJL

Force Totals (Does not include forces on guys)

Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Torques kip-ft
Leg Weight	20.02			
Bracing Weight	15.01			
Total Member Self-Weight	35.03			
Guy Weight	11.74			
Total Weight	64.41			
Wind 0 deg - No Ice		-0.14	-47.25	-10.83
Wind 30 deg - No Ice		23.54	-40.82	-6.39
Wind 45 deg - No Ice		33.36	-33.28	-3.44
Wind 60 deg - No Ice		40.90	-23.48	-0.24
Wind 90 deg - No Ice		47.32	0.14	5.97
Wind 120 deg - No Ice		40.76	23.56	10.59
Wind 135 deg - No Ice		33.31	33.23	11.88
Wind 150 deg - No Ice		23.59	40.63	12.37
Wind 180 deg - No Ice		0.14	46.83	10.83
Wind 210 deg - No Ice		-23.36	40.50	6.39
Wind 225 deg - No Ice		-33.36	33.28	3.44
Wind 240 deg - No Ice		-40.62	23.32	0.24
Wind 270 deg - No Ice		-46.95	-0.14	-5.97
Wind 300 deg - No Ice		-40.72	-23.53	-10.59
Wind 315 deg - No Ice		-33.29	-33.21	-11.88
Wind 330 deg - No Ice		-23.59	-40.63	-12.37
Member Ice	44.85			
Guy Ice	86.21			
Total Weight Ice	312.78			
Wind 0 deg - Ice		-0.02	-13.88	-3.33
Wind 30 deg - Ice		6.93	-12.01	-2.25
Wind 45 deg - Ice		9.82	-9.80	-1.46
Wind 60 deg - Ice		12.03	-6.92	-0.57
Wind 90 deg - Ice		13.91	0.02	1.27
Wind 120 deg - Ice		11.90	6.87	2.84
Wind 135 deg - Ice		9.72	9.70	3.35
Wind 150 deg - Ice		6.88	11.87	3.63
Wind 180 deg - Ice		0.02	13.69	3.46
Wind 210 deg - Ice		-6.84	11.85	2.35
Wind 225 deg - Ice		-9.82	9.80	1.46
Wind 240 deg - Ice		-11.87	6.83	0.62
Wind 270 deg - Ice		-13.72	-0.02	-1.28
Wind 300 deg - Ice		-11.89	-6.87	-2.84
Wind 315 deg - Ice		-9.72	-9.70	-3.35
Wind 330 deg - Ice		-6.88	-11.87	-3.63
Total Weight	64.41			
Wind 0 deg - Service		-0.05	-16.71	-3.83
Wind 30 deg - Service		8.33	-14.44	-2.24
Wind 45 deg - Service		11.80	-11.77	-1.19
Wind 60 deg - Service		14.47	-8.31	-0.05
Wind 90 deg - Service		16.74	0.05	2.15
Wind 120 deg - Service		14.42	8.33	3.77
Wind 135 deg - Service		11.78	11.75	4.22
Wind 150 deg - Service		8.34	14.37	4.39
Wind 180 deg - Service		0.05	16.56	3.83
Wind 210 deg - Service		-8.26	14.32	2.24
Wind 225 deg - Service		-11.80	11.77	1.19
Wind 240 deg - Service		-14.37	8.25	0.05
Wind 270 deg - Service		-16.61	-0.05	-2.15

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	Project 327' Guyed Tower - N. Eagleville Road Storrs, CT	Date 14:39:32 11/04/21
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Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Torques kip-ft
Wind 300 deg - Service		-14.40	-8.32	-3.77
Wind 315 deg - Service		-11.77	-11.75	-4.22
Wind 330 deg - Service		-8.34	-14.37	-4.39

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.6 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.6 Wind 45 deg - No Ice+1.0 Guy
5	1.2 Dead+1.6 Wind 60 deg - No Ice+1.0 Guy
6	1.2 Dead+1.6 Wind 90 deg - No Ice+1.0 Guy
7	1.2 Dead+1.6 Wind 120 deg - No Ice+1.0 Guy
8	1.2 Dead+1.6 Wind 135 deg - No Ice+1.0 Guy
9	1.2 Dead+1.6 Wind 150 deg - No Ice+1.0 Guy
10	1.2 Dead+1.6 Wind 180 deg - No Ice+1.0 Guy
11	1.2 Dead+1.6 Wind 210 deg - No Ice+1.0 Guy
12	1.2 Dead+1.6 Wind 225 deg - No Ice+1.0 Guy
13	1.2 Dead+1.6 Wind 240 deg - No Ice+1.0 Guy
14	1.2 Dead+1.6 Wind 270 deg - No Ice+1.0 Guy
15	1.2 Dead+1.6 Wind 300 deg - No Ice+1.0 Guy
16	1.2 Dead+1.6 Wind 315 deg - No Ice+1.0 Guy
17	1.2 Dead+1.6 Wind 330 deg - No Ice+1.0 Guy
18	1.2 Dead+1.0 Ice+1.0 Temp+Guy
19	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 45 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 135 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
28	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
29	1.2 Dead+1.0 Wind 225 deg+1.0 Ice+1.0 Temp+1.0 Guy
30	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
31	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
32	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
33	1.2 Dead+1.0 Wind 315 deg+1.0 Ice+1.0 Temp+1.0 Guy
34	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
35	Dead+ Wind 0 deg - Service+Guy
36	Dead+ Wind 30 deg - Service+Guy
37	Dead+ Wind 45 deg - Service+Guy
38	Dead+ Wind 60 deg - Service+Guy
39	Dead+ Wind 90 deg - Service+Guy
40	Dead+ Wind 120 deg - Service+Guy
41	Dead+ Wind 135 deg - Service+Guy
42	Dead+ Wind 150 deg - Service+Guy
43	Dead+ Wind 180 deg - Service+Guy
44	Dead+ Wind 210 deg - Service+Guy
45	Dead+ Wind 225 deg - Service+Guy
46	Dead+ Wind 240 deg - Service+Guy

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	Project	327' Guyed Tower - N. Eagleville Road Storrs, CT	Date	14:39:32 11/04/21
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<i>Comb. No.</i>	<i>Description</i>
47	Dead+Wind 270 deg - Service+Guy
48	Dead+Wind 300 deg - Service+Guy
49	Dead+Wind 315 deg - Service+Guy
50	Dead+Wind 330 deg - Service+Guy

Maximum Member Forces

<i>Section No.</i>	<i>Elevation ft</i>	<i>Component Type</i>	<i>Condition</i>	<i>Gov. Load Comb.</i>	<i>Axial K</i>	<i>Major Axis Moment kip-ft</i>	<i>Minor Axis Moment kip-ft</i>
L1	323 - 288	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	24	-6.31	-7.91	-6.88
			Max. Mx	14	-4.05	44.11	-0.12
			Max. My	10	-4.05	0.59	-43.90
			Max. Vy	6	2.26	-43.44	-0.17
			Max. Vx	10	2.26	0.59	-43.90
T1	288 - 280	Leg	Max. Torque	17			1.59
			Max Tension	10	14.29	-0.01	0.94
			Max. Compression	30	-31.83	-0.87	0.34
			Max. Mx	22	0.88	-2.55	1.39
			Max. My	27	2.07	0.04	-2.93
			Max. Vy	31	-9.25	1.07	-0.57
		Diagonal	Max. Vx	19	-10.56	-0.04	1.21
			Max Tension	15	2.28	0.00	0.00
			Max. Compression	10	-2.17	0.00	0.00
			Max. Mx	19	0.35	0.04	0.00
			Max. My	26	-0.28	0.00	-0.00
			Max. Vy	19	-0.03	0.00	0.00
		Horizontal	Max. Vx	26	0.00	0.00	0.00
			Max Tension	9	3.61	0.00	0.00
			Max. Compression	17	-3.23	0.00	0.00
			Max. Mx	25	-0.19	0.02	0.00
			Max. My	26	-0.01	0.00	0.00
			Max. Vy	25	-0.03	0.00	0.00
		Secondary Horizontal	Max. Vx	26	-0.00	0.00	0.00
			Max Tension	24	0.00	0.00	0.00
			Max. Compression	24	-0.00	-0.01	-0.00
			Max. Mx	34	-0.00	-0.01	-0.00
			Max. My	23	-0.00	-0.01	-0.00
			Max. Vy	34	0.02	-0.01	-0.00
		Top Girt	Max. Vx	23	0.00	0.00	0.00
			Max Tension	25	6.65	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	22	6.40	0.02	0.00
			Max. My	25	6.48	0.00	-0.00
			Max. Vy	22	-0.03	0.00	0.00
		Bottom Girt	Max. Vx	25	0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	20	-1.89	0.00	0.00
			Max. Mx	30	-1.67	0.02	0.00
			Max. My	34	-1.47	0.00	0.00
			Max. Vy	30	-0.03	0.00	0.00
		Guy A	Max. Vx	34	-0.00	0.00	0.00
			Bottom Tension	27	14.88		
			Top Tension	27	17.84		
			Top Cable Vert	27	15.04		
			Top Cable Norm	27	9.61		
			Top Cable Tan	27	0.00		

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	Project	Date
	327' Guyed Tower - N. Eagleville Road Storrs, CT	14:39:32 11/04/21
	Client	Designed by
	Verizon	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T2	280 - 260	Guy B	Bot Cable Vert	27	-10.99		
			Bot Cable Norm	27	10.02		
			Bot Cable Tan	27	0.01		
			Bottom Tension	32	14.09		
			Top Tension	15	16.78		
			Top Cable Vert	32	13.67		
			Top Cable Norm	32	9.72		
			Top Cable Tan	32	0.01		
			Bot Cable Vert	15	-10.44		
			Bot Cable Norm	15	9.45		
		Guy C	Bot Cable Tan	15	0.01		
			Bottom Tension	22	14.76		
			Top Tension	22	17.70		
			Top Cable Vert	22	14.87		
			Top Cable Norm	22	9.60		
			Top Cable Tan	22	0.01		
			Bot Cable Vert	22	-10.85		
			Bot Cable Norm	22	10.00		
			Bot Cable Tan	22	0.00		
		Torque Arm Top	Max Tension	14	7.05	-23.45	0.00
			Max. Compression	6	-0.07	0.00	0.00
			Max. Mx	27	3.91	-60.32	0.00
			Max. My	26	5.40	-54.55	0.00
			Max. Vy	27	15.25	-60.32	0.00
		Leg	Max. Vx	26	0.00	-54.55	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	25	-33.33	0.37	-0.39
			Max. Mx	22	-30.03	-0.57	0.18
			Max. My	27	-29.37	0.13	-0.59
			Max. Vy	32	2.10	0.46	0.41
			Max. Vx	27	-2.36	0.13	-0.59
		Diagonal	Max Tension	11	1.54	0.00	0.00
			Max. Compression	3	-2.05	0.00	0.00
			Max. Mx	19	-0.32	0.04	0.00
			Max. My	26	0.23	0.00	-0.00
			Max. Vy	19	-0.03	0.00	0.00
		Horizontal	Max. Vx	26	-0.00	0.00	0.00
			Max Tension	16	0.58	0.00	0.00
			Max. Compression	8	-0.37	0.00	0.00
			Max. Mx	30	0.28	0.02	0.00
			Max. My	34	0.18	0.00	0.00
		Secondary Horizontal	Max. Vy	30	-0.03	0.00	0.00
			Max. Vx	34	-0.00	0.00	0.00
			Max Tension	30	0.00	-0.01	-0.00
			Max. Compression	24	-0.00	-0.01	-0.00
			Max. Mx	31	0.00	-0.01	-0.00
		Top Girt	Max. My	19	-0.00	-0.01	0.00
			Max. Vy	31	0.02	-0.01	-0.00
			Max. Vx	19	-0.00	0.00	0.00
			Max Tension	31	1.39	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
		Bottom Girt	Max. Mx	30	1.22	0.02	0.00
			Max. My	34	1.09	0.00	0.00
			Max. Vy	30	-0.03	0.00	0.00
			Max. Vx	34	-0.00	0.00	0.00
			Max Tension	2	0.07	0.00	0.00
			Max. Compression	10	-1.30	0.00	0.00
			Max. Mx	29	-1.07	0.02	0.00
			Max. My	34	-0.94	0.00	0.00
			Max. Vy	19	0.03	0.00	0.00

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	Project	327' Guyed Tower - N. Eagleville Road Storrs, CT	Date	14:39:32 11/04/21
	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T3	260 - 240	Leg	Max. Vx	34	-0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	27	-67.22	0.31	0.01
			Max. Mx	22	-61.80	2.51	-0.94
			Max. My	27	-31.63	-0.18	-2.81
			Max. Vy	23	1.82	-0.95	-0.38
		Diagonal	Max. Vx	19	-2.06	0.08	1.00
			Max Tension	14	3.63	0.00	0.00
			Max. Compression	17	-4.57	0.00	0.00
			Max. Mx	19	0.73	0.04	0.00
			Max. My	34	-0.07	0.00	0.00
			Max. Vy	19	-0.03	0.00	0.00
		Horizontal	Max. Vx	34	-0.00	0.00	0.00
			Max Tension	9	5.14	0.00	0.00
			Max. Compression	17	-4.49	0.00	0.00
			Max. Mx	25	0.39	0.02	0.00
			Max. My	34	-0.20	0.00	0.00
			Max. Vy	25	-0.02	0.00	0.00
		Secondary Horizontal	Max. Vx	34	-0.00	0.00	0.00
			Max Tension	30	0.00	-0.01	-0.00
			Max. Compression	24	-0.00	-0.01	-0.00
			Max. Mx	31	0.00	-0.01	0.00
			Max. My	47	0.00	-0.00	-0.00
			Max. Vy	31	0.02	-0.01	0.00
		Top Girt	Max. Vx	47	0.00	-0.00	-0.00
			Max Tension	26	2.04	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	29	1.91	0.02	0.00
			Max. My	34	1.73	0.00	0.00
			Max. Vy	29	-0.02	0.00	0.00
		Bottom Girt	Max. Vx	34	-0.00	0.00	0.00
			Max Tension	10	0.96	0.00	0.00
			Max. Compression	2	-0.65	0.00	0.00
			Max. Mx	25	0.32	0.02	0.00
			Max. My	34	0.21	0.00	0.00
			Max. Vy	25	-0.02	0.00	0.00
		Guy A	Max. Vx	34	-0.00	0.00	0.00
			Bottom Tension	27	15.10		
			Top Tension	10	17.60		
			Top Cable Vert	27	14.36		
			Top Cable Norm	27	10.18		
			Top Cable Tan	27	0.00		
		Guy B	Bot Cable Vert	10	-11.30		
			Bot Cable Norm	10	10.01		
			Bot Cable Tan	10	0.01		
			Bottom Tension	32	14.50		
			Top Tension	15	16.49		
			Top Cable Vert	32	12.90		
		Guy C	Top Cable Norm	32	10.28		
			Top Cable Tan	32	0.01		
			Bot Cable Vert	15	-10.27		
			Bot Cable Norm	15	10.24		
			Bot Cable Tan	15	0.01		
			Bottom Tension	22	14.95		
			Top Tension	5	17.47		
			Top Cable Vert	22	14.20		
			Top Cable Norm	22	10.18		
			Top Cable Tan	22	0.01		
			Bot Cable Vert	5	-11.13		
			Bot Cable Norm	5	9.97		

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	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T4	240 - 220	Torque Arm Top	Bot Cable Tan	5	0.01		
			Max Tension	14	8.25	-20.35	0.00
			Max. Compression	6	-1.15	-43.78	0.00
			Max. Mx	27	3.97	-57.66	0.00
			Max. My	9	6.16	-31.94	0.00
			Max. Vy	27	14.59	-57.66	0.00
		Leg	Max. Vx	9	0.00	-31.94	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	22	-67.59	-0.20	-0.28
			Max. Mx	31	-65.40	-0.61	0.07
			Max. My	10	-42.65	-0.01	0.56
			Max. Vy	14	-2.71	0.11	-0.29
			Max. Vx	2	-2.65	0.17	0.23
		Diagonal	Max Tension	6	3.77	0.00	0.00
			Max. Compression	14	-4.32	0.00	0.00
			Max. Mx	19	-0.09	0.04	0.00
			Max. My	34	-0.88	0.00	0.00
			Max. Vy	19	-0.03	0.00	0.00
			Max. Vx	34	0.00	0.00	0.00
		Horizontal	Max Tension	4	0.69	0.00	0.00
			Max. Compression	7	-0.23	0.00	0.00
			Max. Mx	24	0.42	0.02	0.00
			Max. My	34	0.42	0.00	0.00
			Max. Vy	24	0.02	0.00	0.00
			Max. Vx	34	0.00	0.00	0.00
		Secondary Horizontal	Max Tension	30	0.00	-0.01	-0.00
			Max. Compression	24	-0.00	-0.01	-0.00
			Max. Mx	27	-0.00	-0.01	0.00
			Max. My	19	-0.00	-0.01	0.00
			Max. Vy	27	0.02	-0.01	0.00
			Max. Vx	19	-0.00	0.00	0.00
		Top Girt	Max Tension	5	0.77	0.00	0.00
			Max. Compression	13	-0.62	0.00	0.00
			Max. Mx	25	0.30	0.02	0.00
			Max. My	34	0.03	0.00	0.00
			Max. Vy	25	0.02	0.00	0.00
			Max. Vx	34	0.00	0.00	0.00
		Bottom Girt	Max Tension	2	0.86	0.00	0.00
			Max. Compression	10	-1.65	0.00	0.00
			Max. Mx	26	-1.06	0.02	0.00
			Max. My	34	-0.81	0.00	0.00
			Max. Vy	26	0.02	0.00	0.00
			Max. Vx	34	0.00	0.00	0.00
T5	220 - 200	Leg	Max Tension	1	0.00	0.00	0.00
			Max. Compression	22	-98.23	-0.29	-0.51
			Max. Mx	22	-91.50	2.53	-0.58
			Max. My	27	-64.30	-0.46	-2.58
			Max. Vy	14	-2.70	0.79	-0.39
			Max. Vx	2	-2.64	0.02	0.89
		Diagonal	Max Tension	3	5.16	0.00	0.00
			Max. Compression	11	-6.60	0.00	0.00
			Max. Mx	19	0.39	0.04	0.00
			Max. My	34	-0.48	0.00	0.00
			Max. Vy	19	-0.03	0.00	0.00
			Max. Vx	34	-0.00	0.00	0.00
		Horizontal	Max Tension	9	8.36	0.00	0.00
			Max. Compression	17	-7.25	0.00	0.00
			Max. Mx	25	0.68	0.02	0.00
			Max. My	34	0.12	0.00	0.00
			Max. Vy	25	0.02	0.00	0.00

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	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T6	200 - 180	Secondary Horizontal	Max. Vx	34	0.00	0.00	0.00
			Max Tension	30	0.00	-0.01	0.00
		Top Girt	Max. Compression	24	-0.00	-0.01	-0.00
			Max. Mx	33	0.00	-0.01	0.00
			Max. My	2	-0.00	-0.00	0.00
			Max. Vy	33	0.02	-0.01	0.00
			Max. Vx	2	-0.00	0.00	0.00
			Max Tension	10	2.21	0.00	0.00
			Max. Compression	2	-0.28	0.00	0.00
			Max. Mx	26	2.00	0.02	0.00
			Max. My	34	1.75	0.00	0.00
			Max. Vy	26	0.02	0.00	0.00
		Bottom Girt	Max. Vx	34	0.00	0.00	0.00
			Max Tension	16	1.18	0.00	0.00
			Max. Compression	12	-0.66	0.00	0.00
			Max. Mx	25	0.38	0.02	0.00
			Max. My	34	0.64	0.00	0.00
		Guy A	Max. Vy	25	0.02	0.00	0.00
			Max. Vx	34	0.00	0.00	0.00
			Bottom Tension	27	16.28		
			Top Tension	10	17.34		
			Top Cable Vert	27	13.29		
		Guy B	Top Cable Norm	27	11.14		
			Top Cable Tan	27	0.00		
			Bot Cable Vert	10	-11.40		
			Bot Cable Norm	10	11.62		
			Bot Cable Tan	10	0.01		
		Guy C	Bottom Tension	32	15.55		
			Top Tension	15	16.17		
			Top Cable Vert	32	11.67		
			Top Cable Norm	32	11.19		
			Top Cable Tan	32	0.00		
		Torque Arm Top	Bot Cable Vert	15	-10.08		
			Bot Cable Norm	15	11.84		
			Bot Cable Tan	15	0.01		
			Bottom Tension	22	16.12		
			Top Tension	5	17.23		
		Leg	Top Cable Vert	22	13.13		
			Top Cable Norm	22	11.15		
			Top Cable Tan	22	0.01		
			Bot Cable Vert	5	-11.21		
			Bot Cable Norm	5	11.58		
			Bot Cable Tan	5	0.01		
			Max Tension	3	10.64	-15.05	-0.00
			Max. Compression	6	-3.17	-42.83	0.00
			Max. Mx	27	4.15	-53.45	0.00
			Max. My	9	7.85	-29.00	0.00
		Diagonal	Max. Vy	27	13.54	-53.45	0.00
			Max. Vx	9	0.00	-29.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	31	-103.79	0.45	-0.63
			Max. Mx	14	-53.41	-1.40	0.01
			Max. My	10	-39.11	-0.17	1.35
			Max. Vy	6	3.51	-0.23	-0.34
			Max. Vx	11	3.32	0.41	-0.03
			Max Tension	11	6.98	0.00	0.00
			Max. Compression	3	-8.40	0.00	0.00
			Max. Mx	19	0.26	0.04	0.00
			Max. My	34	-0.40	0.00	0.00
			Max. Vy	19	0.03	0.00	0.00

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	Project	327' Guyed Tower - N. Eagleville Road Storrs, CT	Date	14:39:32 11/04/21
	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T7	180 - 160	Horizontal	Max. Vx	34	-0.00	0.00	0.00
			Max Tension	5	2.76	0.00	0.00
			Max. Compression	13	-1.95	0.00	0.00
			Max. Mx	27	0.93	0.02	0.00
			Max. My	8	-0.02	0.00	-0.00
			Max. Vy	27	-0.02	0.00	0.00
			Max. Vx	8	0.00	0.00	0.00
		Secondary Horizontal	Max Tension	30	0.00	-0.01	-0.00
			Max. Compression	24	-0.00	-0.01	-0.00
			Max. Mx	34	0.00	-0.01	0.00
			Max. My	19	-0.00	-0.01	0.00
			Max. Vy	34	0.02	-0.01	0.00
			Max. Vx	19	-0.00	0.00	0.00
			Max Tension	8	0.75	0.00	0.00
		Top Girt	Max. Compression	16	-0.58	0.00	0.00
			Max. Mx	25	0.25	0.02	0.00
			Max. My	34	-0.00	0.00	0.00
			Max. Vy	25	-0.02	0.00	0.00
			Max. Vx	34	-0.00	0.00	0.00
			Max Tension	7	2.06	0.00	0.00
			Max. Compression	10	-1.52	0.00	0.00
		Bottom Girt	Max. Mx	25	0.80	0.02	0.00
			Max. My	9	-1.19	0.00	0.00
			Max. Vy	25	-0.02	0.00	0.00
			Max. Vx	9	-0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	24	-127.37	-0.35	-0.81
		Leg	Max. Mx	23	-99.52	-2.43	0.20
			Max. My	10	-38.62	0.47	-2.32
			Max. Vy	6	3.51	-1.10	-0.29
			Max. Vx	11	3.33	0.87	-0.86
			Max Tension	3	8.60	0.00	0.00
			Max. Compression	11	-9.56	0.00	0.00
		Diagonal	Max. Mx	30	-0.22	0.04	0.00
			Max. My	9	-4.11	0.00	-0.00
			Max. Vy	30	-0.03	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	17	11.83	0.00	0.00
			Max. Compression	8	-10.23	0.00	0.00
		Horizontal	Max. Mx	24	-0.56	0.02	0.00
			Max. My	10	0.75	0.00	0.00
			Max. Vy	24	-0.02	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	30	0.00	-0.01	0.00
			Max. Compression	24	-0.00	-0.01	-0.00
		Secondary Horizontal	Max. Mx	34	0.00	-0.01	0.00
			Max. My	10	-0.00	-0.00	0.00
			Max. Vy	34	0.01	-0.01	0.00
			Max. Vx	10	-0.00	-0.00	0.00
			Max Tension	10	1.98	0.00	0.00
			Max. Compression	2	-1.67	0.00	0.00
		Top Girt	Max. Mx	21	0.01	0.02	0.00
			Max. My	9	1.67	0.00	0.00
			Max. Vy	27	-0.02	0.00	0.00
			Max. Vx	9	-0.00	0.00	0.00
			Max Tension	9	1.72	0.00	0.00
			Max. Compression	2	-1.03	0.00	0.00
		Bottom Girt	Max. Mx	18	0.72	0.02	0.00
			Max. My	8	0.90	0.00	-0.00

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	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T8	160 - 140	Guy A	Max. Vy	18	-0.02	0.00	0.00
			Max. Vx	8	0.00	0.00	0.00
			Bottom Tension	10	17.58		
			Top Tension	10	17.80		
			Top Cable Vert	10	11.47		
		Guy B	Top Cable Norm	10	13.61		
			Top Cable Tan	10	0.00		
			Bot Cable Vert	10	-10.87		
			Bot Cable Norm	10	13.81		
			Bot Cable Tan	10	0.00		
			Bottom Tension	15	16.87		
			Top Tension	15	17.06		
			Top Cable Vert	15	9.77		
			Top Cable Norm	15	13.98		
			Top Cable Tan	15	0.00		
		Guy C	Bot Cable Vert	15	-9.24		
			Bot Cable Norm	15	14.12		
			Bot Cable Tan	15	0.00		
			Bottom Tension	5	17.44		
			Top Tension	5	17.66		
			Top Cable Vert	5	11.26		
			Top Cable Norm	5	13.60		
			Top Cable Tan	5	0.00		
			Bot Cable Vert	5	-10.67		
			Bot Cable Norm	5	13.80		
			Bot Cable Tan	5	0.00		
		Torque Arm Top	Max Tension	3	13.94	0.00	0.00
			Max. Compression	7	-5.99	-31.76	-0.00
			Max. Mx	27	4.45	-46.94	0.00
			Max. My	8	2.27	-37.10	0.00
			Max. Vy	27	11.91	-46.94	0.00
		Leg	Max. Vx	8	0.00	-37.10	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	30	-132.91	-0.43	0.78
			Max. Mx	24	-128.75	1.00	-0.00
			Max. My	24	-130.25	-0.50	-0.87
			Max. Vy	14	2.35	-0.07	-0.36
			Max. Vx	2	2.09	0.39	0.12
		Diagonal	Max Tension	7	3.96	0.00	0.00
			Max. Compression	14	-4.72	0.00	0.00
			Max. Mx	30	-0.50	0.04	0.00
			Max. My	9	-0.05	0.00	-0.00
			Max. Vy	30	0.03	0.00	0.00
		Horizontal	Max. Vx	9	-0.00	0.00	0.00
			Max Tension	15	1.04	0.00	0.00
			Max. Compression	7	-0.10	0.00	0.00
			Max. Mx	24	0.81	0.02	0.00
			Max. My	10	0.31	0.00	0.00
		Secondary Horizontal	Max. Vy	24	-0.02	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	30	0.00	-0.01	0.00
			Max. Compression	25	-0.00	-0.01	0.00
			Max. Mx	34	0.00	-0.01	0.00
		Top Girt	Max. My	10	-0.00	-0.00	0.00
			Max. Vy	34	0.01	-0.01	0.00
			Max. Vx	10	-0.00	-0.00	0.00
			Max Tension	2	1.14	0.00	0.00
			Max. Compression	9	-0.69	0.00	0.00
			Max. Mx	27	0.07	0.02	0.00
			Max. My	8	-0.24	0.00	-0.00

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	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T9	140 - 120	Bottom Girt	Max. Vy	27	-0.02	0.00	0.00
			Max. Vx	8	0.00	0.00	0.00
			Max Tension	19	0.48	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	24	0.47	0.02	0.00
			Max. My	10	0.22	0.00	0.00
		Leg	Max. Vy	24	-0.02	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	23	-137.19	0.97	0.01
			Max. Mx	23	-135.48	-1.14	0.01
			Max. My	25	-134.46	0.53	-1.00
		Diagonal	Max. Vy	6	2.49	-0.28	-0.40
			Max. Vx	11	2.41	0.50	-0.04
			Max Tension	11	4.24	0.00	0.00
			Max. Compression	3	-5.83	0.00	0.00
			Max. Mx	22	-0.72	0.03	0.00
			Max. My	9	-1.83	0.00	-0.00
		Horizontal	Max. Vy	22	0.03	0.00	0.00
			Max. Vx	9	-0.00	0.00	0.00
			Max Tension	4	1.23	0.00	0.00
			Max. Compression	12	-0.03	0.00	0.00
			Max. Mx	24	1.04	0.02	0.00
			Max. My	10	0.46	0.00	0.00
		Secondary Horizontal	Max. Vy	24	-0.02	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	21	0.00	-0.01	0.00
			Max. Compression	33	-0.00	-0.01	0.00
			Max. Mx	34	0.00	-0.01	0.00
			Max. My	39	0.00	-0.00	-0.00
		Top Girt	Max. Vy	34	0.01	-0.01	0.00
			Max. Vx	39	0.00	-0.00	-0.00
			Max Tension	10	0.61	0.00	0.00
			Max. Compression	6	-0.08	0.00	0.00
			Max. Mx	24	0.31	0.02	0.00
			Max. My	10	0.61	0.00	0.00
		Bottom Girt	Max. Vy	24	-0.02	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	3	1.16	0.00	0.00
			Max. Compression	10	-0.72	0.00	0.00
			Max. Mx	24	0.75	0.02	0.00
			Max. My	10	-0.72	0.00	0.00
T10	120 - 100	Leg	Max. Vy	24	-0.02	0.00	0.00
			Max. Vx	10	-0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	24	-160.34	1.21	0.11
			Max. Mx	23	-132.68	-2.18	-0.34
			Max. My	24	-154.91	0.72	-2.05
		Diagonal	Max. Vy	14	6.86	1.24	-0.42
			Max. Vx	3	5.59	-0.17	1.23
			Max Tension	14	12.16	0.00	0.00
			Max. Compression	6	-13.74	0.00	0.00
			Max. Mx	30	0.39	0.04	0.00
			Max. My	8	3.39	0.00	-0.00
		Horizontal	Max. Vy	30	-0.03	0.00	0.00
			Max. Vx	8	0.00	0.00	0.00
			Max Tension	24	1.72	0.00	0.00
			Max. Compression	15	-0.17	0.00	0.00
			Max. Mx	21	1.55	0.02	0.00
			Max. My	7	0.22	0.00	0.00

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	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T11	100 - 80	Secondary Horizontal	Max. Vy	21	-0.02	0.00	0.00
			Max. Vx	7	-0.00	0.00	0.00
			Max Tension	30	0.00	-0.01	0.00
		Top Girt	Max. Compression	22	-0.00	-0.01	0.00
			Max. Mx	34	0.00	-0.01	0.00
			Max. My	7	-0.00	-0.00	-0.00
			Max. Vy	34	0.01	-0.01	0.00
			Max. Vx	7	0.00	0.00	0.00
			Max Tension	10	1.60	0.00	0.00
			Max. Compression	2	-0.91	0.00	0.00
			Max. Mx	24	0.18	0.02	0.00
			Max. My	10	1.60	0.00	0.00
			Max. Vy	24	-0.02	0.00	0.00
		Bottom Girt	Max. Vx	10	-0.00	0.00	0.00
			Max Tension	10	3.23	0.00	0.00
			Max. Compression	2	-2.33	0.00	0.00
			Max. Mx	27	0.52	0.02	0.00
			Max. My	7	1.92	0.00	-0.00
			Max. Vy	27	-0.02	0.00	0.00
			Max. Vx	7	0.00	0.00	0.00
		Guy A	Bottom Tension	10	18.47		
			Top Tension	10	18.62		
			Top Cable Vert	10	9.25		
			Top Cable Norm	10	16.15		
			Top Cable Tan	10	0.00		
			Bot Cable Vert	10	-8.81		
			Bot Cable Norm	10	16.23		
			Bot Cable Tan	10	0.00		
		Guy B	Bottom Tension	15	17.89		
			Top Tension	15	18.00		
			Top Cable Vert	15	7.13		
			Top Cable Norm	15	16.53		
			Top Cable Tan	15	0.00		
			Bot Cable Vert	15	-6.75		
			Bot Cable Norm	15	16.57		
			Bot Cable Tan	15	0.00		
		Guy C	Bottom Tension	5	18.19		
			Top Tension	5	18.34		
			Top Cable Vert	5	8.94		
			Top Cable Norm	5	16.01		
			Top Cable Tan	5	0.00		
			Bot Cable Vert	5	-8.51		
			Bot Cable Norm	5	16.08		
			Bot Cable Tan	5	0.00		
		Top Guy Pull-Off	Max Tension	17	15.87	0.00	0.00
			Max. Compression	9	-13.91	0.00	0.00
			Max. Mx	21	3.94	0.01	0.00
			Max. My	7	11.47	0.00	0.00
			Max. Vy	21	-0.01	0.00	0.00
		Torque Arm Top	Max. Vx	7	-0.00	0.00	0.00
			Max Tension	14	17.20	-6.08	-0.00
			Max. Compression	6	-8.01	0.00	0.00
			Max. Mx	27	4.86	-36.72	0.00
			Max. My	7	6.72	-27.05	0.00
		Leg	Max. Vy	27	9.35	-36.72	0.00
			Max. Vx	7	0.00	-27.05	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	27	-179.60	1.34	0.03
			Max. Mx	14	-81.05	-2.19	-0.52
			Max. My	9	-77.82	0.57	1.82

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	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T12	80 - 60	Diagonal	Max. Vy	14	6.85	-0.48	-0.47
			Max. Vx	3	5.59	0.65	-0.17
			Max Tension	6	11.40	0.00	0.00
			Max. Compression	14	-13.47	0.00	0.00
			Max. Mx	23	-2.45	0.04	0.00
		Horizontal	Max. My	9	-4.09	0.00	-0.00
			Max. Vy	23	-0.03	0.00	0.00
			Max. Vx	9	-0.00	0.00	0.00
			Max Tension	10	2.66	0.00	0.00
			Max. Compression	2	-1.15	0.00	0.00
		Secondary Horizontal	Max. Mx	33	1.21	0.02	0.00
			Max. My	9	2.31	0.00	-0.00
			Max. Vy	33	-0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	23	0.00	-0.01	0.00
		Top Girt	Max. Compression	24	-0.00	-0.01	0.00
			Max. Mx	34	0.00	-0.01	0.00
			Max. My	7	-0.00	-0.00	-0.00
			Max. Vy	34	0.01	-0.01	0.00
			Max. Vx	7	0.00	0.00	0.00
		Bottom Girt	Max Tension	2	2.65	0.00	0.00
			Max. Compression	10	-2.04	0.00	0.00
			Max. Mx	27	0.79	0.02	0.00
			Max. My	7	2.02	0.00	0.00
			Max. Vy	27	-0.02	0.00	0.00
		Leg	Max. Vx	7	-0.00	0.00	0.00
			Max Tension	9	1.23	0.00	0.00
			Max. Compression	17	-0.49	0.00	0.00
			Max. Mx	24	0.82	0.02	0.00
			Max. My	9	0.35	0.00	-0.00
		Diagonal	Max. Vy	24	-0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	27	-186.53	1.36	0.18
			Max. Mx	25	-181.85	1.63	-0.01
		Horizontal	Max. My	24	-174.45	0.78	1.41
			Max. Vy	15	1.87	-0.41	-0.48
			Max. Vx	9	1.62	0.08	1.03
			Max Tension	17	2.24	0.00	0.00
			Max. Compression	15	-4.35	0.00	0.00
		Secondary Horizontal	Max. Mx	23	-1.31	0.03	0.00
			Max. My	8	-0.93	0.00	-0.00
			Max. Vy	23	-0.03	0.00	0.00
			Max. Vx	8	0.00	0.00	0.00
			Max Tension	22	1.66	0.00	0.00
		Top Girt	Max. Compression	1	0.00	0.00	0.00
			Max. Mx	32	1.37	0.02	0.00
			Max. My	9	1.20	0.00	-0.00
			Max. Vy	32	0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
		Secondary Horizontal	Max Tension	23	0.00	-0.00	-0.00
			Max. Compression	23	-0.00	0.00	0.00
			Max. Mx	34	0.00	-0.01	0.00
			Max. My	6	0.00	-0.00	-0.00
			Max. Vy	34	0.01	-0.01	0.00
		Top Girt	Max. Vx	6	0.00	-0.00	-0.00
			Max Tension	17	0.87	0.00	0.00
			Max. Compression	10	-0.13	0.00	0.00
		Top Girt	Max. Mx	24	0.61	0.02	0.00

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	Client	Verizon	Designed by	TJL

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T13	60 - 40	Bottom Girt	Max. My	9	0.28	0.00	-0.00
			Max. Vy	24	0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	9	0.88	0.00	0.00
			Max. Compression	17	-0.30	0.00	0.00
			Max. Mx	34	0.47	0.02	0.00
		Leg	Max. My	9	0.88	0.00	-0.00
			Max. Vy	34	0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	27	-198.11	1.47	0.03
			Max. Mx	25	-193.82	1.74	-0.03
		Diagonal	Max. My	31	-177.41	0.42	-1.69
			Max. Vy	14	-1.58	-0.06	-0.52
			Max. Vx	9	1.63	-0.19	0.63
			Max Tension	15	3.25	0.00	0.00
			Max. Compression	10	-5.74	0.00	0.00
			Max. Mx	26	-1.65	0.03	0.00
		Horizontal	Max. My	8	-3.07	0.00	-0.00
			Max. Vy	26	0.03	0.00	0.00
			Max. Vx	8	0.00	0.00	0.00
			Max Tension	9	6.76	0.00	0.00
			Max. Compression	17	-4.87	0.00	0.00
			Max. Mx	34	1.62	0.02	0.00
		Secondary Horizontal	Max. My	9	1.07	0.00	-0.00
			Max. Vy	34	0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	23	0.00	-0.00	-0.00
			Max. Compression	23	-0.00	0.00	0.00
			Max. Mx	34	0.00	-0.00	0.00
		Top Girt	Max. My	2	0.00	-0.00	0.00
			Max. Vy	34	0.01	-0.00	0.00
			Max. Vx	2	-0.00	-0.00	0.00
			Max Tension	34	1.15	0.00	0.00
			Max. Compression	8	-0.14	0.00	0.00
			Max. Mx	34	1.00	0.02	0.00
		Bottom Girt	Max. My	9	-0.11	0.00	-0.00
			Max. Vy	34	0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	9	0.96	0.00	0.00
			Max. Compression	17	-0.16	0.00	0.00
			Max. Mx	34	0.63	0.02	0.00
		Guy A	Max. My	9	0.69	0.00	-0.00
			Max. Vy	34	0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Bottom Tension	27	7.59		
			Top Tension	27	8.04		
			Top Cable Vert	27	3.24		
		Guy B	Top Cable Norm	27	7.36		
			Top Cable Tan	27	0.00		
			Bot Cable Vert	27	-1.82		
			Bot Cable Norm	27	7.37		
			Bot Cable Tan	27	0.00		
			Bottom Tension	33	7.56		
			Top Tension	33	7.86		
			Top Cable Vert	33	2.30		
			Top Cable Norm	33	7.52		
			Top Cable Tan	33	0.01		
			Bot Cable Vert	33	-0.78		
			Bot Cable Norm	33	7.52		

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	Project	327' Guyed Tower - N. Eagleville Road Storrs, CT	Date	14:39:32 11/04/21
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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T14	40 - 20	Guy C	Bot Cable Tan	33	0.01		
			Bottom Tension	22	7.54		
			Top Tension	22	7.98		
			Top Cable Vert	22	3.13		
			Top Cable Norm	22	7.34		
			Top Cable Tan	22	0.00		
			Bot Cable Vert	22	-1.70		
			Bot Cable Norm	22	7.35		
		Torque Arm Top	Bot Cable Tan	22	0.00		
			Max Tension	6	7.04	0.00	0.00
			Max. Compression	6	-3.30	0.00	0.00
			Max. Mx	28	3.72	-13.56	0.00
			Max. My	9	-1.46	-5.33	0.00
			Max. Vy	28	3.56	-13.56	0.00
		Leg	Max. Vx	9	0.00	-5.33	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	27	-198.11	1.42	0.02
			Max. Mx	25	-194.97	1.77	-0.01
			Max. My	24	-190.47	0.86	1.54
			Max. Vy	6	2.54	-0.28	-0.70
			Max. Vx	9	2.73	0.09	1.27
		Diagonal	Max Tension	17	4.15	0.00	0.00
			Max. Compression	9	-6.45	0.00	0.00
			Max. Mx	26	-0.86	0.03	0.00
			Max. My	8	-1.08	0.00	-0.00
			Max. Vy	26	-0.02	0.00	0.00
		Horizontal	Max. Vx	8	0.00	0.00	0.00
			Max Tension	26	1.76	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	34	1.63	0.02	0.00
			Max. My	9	1.33	0.00	-0.00
		Secondary Horizontal	Max. Vy	34	-0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	23	0.00	-0.00	-0.00
			Max. Compression	14	-0.00	-0.00	-0.00
			Max. Mx	19	0.00	-0.00	0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	34	0.01	-0.00	0.00
			Max. Vx	2	-0.00	-0.00	0.00
		Top Girt	Max Tension	20	0.86	0.00	0.00
			Max. Compression	7	-0.22	0.00	0.00
			Max. Mx	34	0.82	0.02	0.00
			Max. My	9	-0.12	0.00	-0.00
			Max. Vy	34	-0.02	0.00	0.00
		Bottom Girt	Max. Vx	9	0.00	0.00	0.00
			Max Tension	7	1.33	0.00	0.00
			Max. Compression	16	-0.49	0.00	0.00
			Max. Mx	28	0.81	0.02	0.00
			Max. My	9	1.23	0.00	-0.00
T15	20 - 6.75	Leg	Max. Vy	28	-0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	27	-196.66	1.47	-0.10
			Max. Mx	23	-192.90	-2.19	0.11
		Diagonal	Max. My	27	-192.44	0.93	-1.88
			Max. Vy	23	7.48	-2.19	0.11
			Max. Vx	28	7.88	0.95	-1.88
			Max Tension	6	5.61	0.00	0.00
			Max. Compression	9	-7.24	0.00	0.00
			Max. Mx	26	-0.27	0.03	0.00

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T16	6.75 - 0	Horizontal	Max. My	8	0.74	0.00	-0.00
			Max. Vy	26	0.02	0.00	0.00
			Max. Vx	8	0.00	0.00	0.00
			Max Tension	19	1.68	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	28	1.28	0.02	0.00
			Max. My	9	0.86	0.00	-0.00
			Max. Vy	28	0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	23	0.00	-0.00	-0.00
		Secondary Horizontal	Max. Compression	14	-0.00	-0.00	-0.00
			Max. Mx	19	0.00	-0.00	0.00
			Max. My	2	0.00	-0.00	0.00
			Max. Vy	19	0.01	-0.00	0.00
			Max. Vx	6	0.00	-0.00	-0.00
			Max Tension	15	1.48	0.00	0.00
			Max. Compression	7	-0.79	0.00	0.00
			Max. Mx	28	0.63	0.02	0.00
			Max. My	9	-0.57	0.00	-0.00
			Max. Vy	28	0.02	0.00	0.00
		Bottom Girt	Max. Vx	9	0.00	0.00	0.00
			Max Tension	23	4.79	0.00	0.00
			Max. Compression	1	0.00	0.00	0.00
			Max. Mx	28	4.55	0.02	0.00
			Max. My	9	2.90	0.00	-0.00
			Max. Vy	28	0.02	0.00	0.00
			Max. Vx	9	0.00	0.00	0.00
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	23	-202.63	-0.59	0.11
			Max. Mx	28	-201.31	1.49	-0.05
		Leg	Max. My	8	-98.14	0.30	-0.36
			Max. Vy	26	1.59	-1.21	0.14
			Max. Vx	8	-0.23	-0.31	0.09
			Max Tension	24	0.74	-0.63	0.02
			Max. Compression	24	-0.16	-0.32	0.02
			Max. Mx	31	0.70	-1.06	-0.03
			Max. My	25	0.74	-1.02	-0.03
			Max. Vy	2	-0.63	-0.62	-0.01
			Max. Vx	23	-0.05	-0.94	-0.03
			Max Tension	23	29.90	-0.71	-0.04
		Top Girt	Max. Compression	1	0.00	0.00	0.00
			Max. Mx	6	12.28	1.33	0.02
			Max. My	25	29.77	-0.78	-0.04
			Max. Vy	23	-0.69	-0.95	-0.04
			Max. Vx	23	-0.03	-0.95	-0.04

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Mast	Max. Vert	24	572.38	-0.43	-0.02
	Max. H _x	14	267.12	5.47	0.02
	Max. H _z	2	261.50	0.00	5.84
	Max. M _x	1	0.00	-0.01	0.02
	Max. M _z	1	0.00	-0.01	0.02

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Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Guy C @ 235 ft Elev -20.1 ft Azimuth 240 deg	Max. Torsion	1	0.00	-0.01	0.02
	Min. Vert	1	227.38	-0.01	0.02
	Min. H _x	6	270.76	-5.53	-0.07
	Min. H _z	10	275.06	-0.09	-5.30
	Min. M _x	1	0.00	-0.01	0.02
	Min. M _z	1	0.00	-0.01	0.02
	Min. Torsion	1	0.00	-0.01	0.02
	Max. Vert	13	-25.43	-19.41	11.20
	Max. H _x	13	-25.43	-19.41	11.20
	Max. H _z	5	-109.27	-116.04	67.00
	Min. Vert	5	-109.27	-116.04	67.00
	Min. H _x	5	-109.27	-116.04	67.00
	Min. H _z	13	-25.43	-19.41	11.20
	Max. Vert	7	-20.07	17.58	10.16
Guy B @ 235 ft Elev 8.9 ft Azimuth 120 deg	Max. H _x	15	-95.16	117.82	67.98
	Max. H _z	15	-95.16	117.82	67.98
	Min. Vert	15	-95.16	117.82	67.98
	Min. H _x	7	-20.07	17.58	10.16
	Min. H _z	7	-20.07	17.58	10.16
	Max. Vert	2	-25.86	-0.02	-22.44
Guy A @ 235 ft Elev -23.4 ft Azimuth 0 deg	Max. H _x	14	-69.81	5.04	-79.45
	Max. H _z	2	-25.86	-0.02	-22.44
	Min. Vert	10	-110.54	0.03	-133.39
	Min. H _x	6	-67.27	-5.05	-76.69
	Min. H _z	10	-110.54	0.03	-133.39

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	227.38	0.01	-0.02	-0.00	-0.00	0.00
1.2 Dead+1.6 Wind 0 deg - No Ice+1.0 Guy	261.50	-0.00	-5.84	-0.00	-0.00	0.00
1.2 Dead+1.6 Wind 30 deg - No Ice+1.0 Guy	269.25	2.74	-4.72	-0.00	-0.00	0.00
1.2 Dead+1.6 Wind 45 deg - No Ice+1.0 Guy	273.17	3.86	-3.77	-0.00	-0.00	0.00
1.2 Dead+1.6 Wind 60 deg - No Ice+1.0 Guy	274.83	4.70	-2.63	-0.00	-0.00	0.00
1.2 Dead+1.6 Wind 90 deg - No Ice+1.0 Guy	270.76	5.53	0.07	-0.00	-0.00	-0.00
1.2 Dead+1.6 Wind 120 deg - No Ice+1.0 Guy	264.24	5.16	2.94	-0.00	-0.00	-0.00
1.2 Dead+1.6 Wind 135 deg - No Ice+1.0 Guy	267.09	4.11	3.93	-0.00	-0.00	-0.00
1.2 Dead+1.6 Wind 150 deg - No Ice+1.0 Guy	270.86	2.83	4.67	-0.00	-0.00	-0.00
1.2 Dead+1.6 Wind 180 deg - No Ice+1.0 Guy	275.06	0.09	5.30	-0.00	-0.00	-0.00
1.2 Dead+1.6 Wind 210 deg -	269.38	-2.68	4.65	-0.00	-0.00	-0.00

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 225 deg -	264.79	-3.97	3.89	-0.00	-0.00	-0.00
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 240 deg -	261.45	-5.01	2.86	-0.00	-0.00	0.00
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 270 deg -	267.12	-5.47	-0.02	-0.00	-0.00	0.00
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 300 deg -	271.48	-4.68	-2.72	-0.00	-0.00	0.00
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 315 deg -	270.29	-3.85	-3.85	-0.00	-0.00	0.00
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 330 deg -	267.10	-2.74	-4.77	-0.00	-0.00	0.00
No Ice+1.0 Guy						
1.2 Dead+1.0 Ice+1.0	566.04	0.11	-0.16	-0.00	-0.00	0.00
Temp+Guy						
1.2 Dead+1.0 Wind 0 deg+1.0	569.40	0.10	-0.55	-0.00	-0.00	0.00
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 30 deg+1.0	568.21	0.29	-0.50	-0.00	-0.00	0.00
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 45 deg+1.0	567.26	0.37	-0.43	-0.00	-0.00	0.00
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 60 deg+1.0	567.12	0.44	-0.34	-0.00	-0.00	0.00
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 90 deg+1.0	569.91	0.49	-0.15	-0.00	-0.00	0.00
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 120	572.38	0.43	0.02	-0.00	-0.00	-0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 135	571.71	0.38	0.10	-0.00	-0.00	-0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 150	570.05	0.31	0.16	-0.00	-0.00	-0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 180	567.37	0.11	0.22	-0.00	-0.00	-0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 210	568.50	-0.09	0.16	-0.00	-0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 225	569.48	-0.17	0.10	-0.00	-0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 240	569.68	-0.23	0.03	-0.00	-0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 270	567.01	-0.28	-0.15	-0.00	-0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 300	564.71	-0.22	-0.35	-0.00	-0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 315	565.32	-0.16	-0.44	-0.00	-0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 330	566.86	-0.08	-0.50	-0.00	-0.00	0.00
deg+1.0 Ice+1.0 Temp+1.0 Guy						
Dead+Wind 0 deg -	228.98	0.01	-1.27	-0.00	-0.00	0.00
Service+Guy						
Dead+ Wind 30 deg -	228.79	0.64	-1.09	-0.00	-0.00	0.00
Service+Guy						
Dead+ Wind 45 deg -	228.64	0.89	-0.89	-0.00	-0.00	0.00
Service+Guy						
Dead+ Wind 60 deg -	228.63	1.09	-0.63	-0.00	-0.00	0.00
Service+Guy						
Dead+ Wind 90 deg -	229.08	1.25	-0.02	-0.00	-0.00	-0.00
Service+Guy						
Dead+ Wind 120 deg -	229.51	1.10	0.60	-0.00	-0.00	-0.00
Service+Guy						
Dead+ Wind 135 deg -	229.38	0.89	0.85	-0.00	-0.00	-0.00
Service+Guy						

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<i>Load Combination</i>	<i>Vertical K</i>	<i>Shear_x K</i>	<i>Shear_z K</i>	<i>Overturning Moment, M_x kip-ft</i>	<i>Overturning Moment, M_z kip-ft</i>	<i>Torque kip-ft</i>
Dead+ Wind 150 deg - Service+Guy	229.09	0.63	1.04	-0.00	-0.00	-0.00
Dead+ Wind 180 deg - Service+Guy	228.65	0.02	1.20	-0.00	-0.00	-0.00
Dead+ Wind 210 deg - Service+Guy	228.81	-0.59	1.04	-0.00	-0.00	-0.00
Dead+ Wind 225 deg - Service+Guy	228.97	-0.86	0.85	-0.00	-0.00	-0.00
Dead+ Wind 240 deg - Service+Guy	229.01	-1.06	0.59	-0.00	-0.00	0.00
Dead+ Wind 270 deg - Service+Guy	228.57	-1.22	-0.03	-0.00	-0.00	0.00
Dead+ Wind 300 deg - Service+Guy	228.22	-1.06	-0.64	-0.00	-0.00	0.00
Dead+ Wind 315 deg - Service+Guy	228.31	-0.86	-0.89	-0.00	-0.00	0.00
Dead+ Wind 330 deg - Service+Guy	228.56	-0.61	-1.09	-0.00	-0.00	0.00

Solution Summary

<i>Load Comb.</i>	<i>Sum of Applied Forces</i>			<i>Sum of Reactions</i>			<i>% Error</i>
	<i>PX K</i>	<i>PY K</i>	<i>PZ K</i>	<i>PX K</i>	<i>PY K</i>	<i>PZ K</i>	
1	0.00	-64.41	0.00	0.00	64.41	0.00	0.007%
2	-0.02	-75.90	-94.54	0.03	75.90	94.49	0.038%
3	47.20	-74.92	-81.84	-47.20	74.92	81.79	0.039%
4	66.76	-74.20	-66.79	-66.77	74.20	66.71	0.067%
5	81.71	-73.94	-47.21	-81.62	73.94	47.22	0.079%
6	94.30	-75.22	0.13	-94.24	75.22	-0.08	0.063%
7	81.33	-76.45	47.02	-81.30	76.45	-47.00	0.027%
8	66.46	-76.09	66.32	-66.43	76.09	-66.31	0.028%
9	46.98	-75.24	81.20	-46.91	75.24	-81.18	0.063%
10	0.02	-73.99	93.87	0.03	73.98	-93.78	0.083%
11	-46.90	-74.97	81.32	46.86	74.97	-81.30	0.041%
12	-66.76	-75.69	66.79	66.71	75.69	-66.76	0.049%
13	-81.26	-75.95	46.95	81.22	75.95	-46.93	0.039%
14	-93.71	-74.67	-0.13	93.68	74.67	0.16	0.035%
15	-81.26	-73.44	-46.98	81.23	73.44	46.96	0.028%
16	-66.43	-73.80	-66.29	66.46	73.80	66.23	0.059%
17	-46.98	-74.65	-81.20	46.99	74.65	81.17	0.032%
18	0.00	-323.30	0.00	0.03	323.30	0.02	0.012%
19	0.15	-323.99	-27.08	-0.14	323.99	27.07	0.004%
20	13.58	-323.28	-23.55	-13.56	323.28	23.55	0.006%
21	19.14	-322.77	-19.25	-19.11	322.77	19.25	0.007%
22	23.33	-322.58	-13.67	-23.31	322.58	13.67	0.008%
23	26.79	-323.46	-0.06	-26.76	323.46	0.07	0.010%
24	23.05	-324.32	13.33	-23.02	324.32	-13.31	0.011%
25	18.84	-324.07	18.82	-18.81	324.07	-18.80	0.011%
26	13.26	-323.48	23.12	-13.24	323.48	-23.09	0.010%
27	-0.15	-322.61	26.89	0.16	322.61	-26.87	0.008%
28	-13.49	-323.31	23.39	13.49	323.31	-23.37	0.006%
29	-19.14	-323.82	19.25	19.14	323.82	-19.23	0.006%
30	-23.18	-324.01	13.57	23.17	324.01	-13.56	0.005%
31	-26.60	-323.13	0.06	26.59	323.13	-0.04	0.008%
32	-23.05	-322.28	-13.33	23.04	322.28	13.33	0.003%
33	-18.83	-322.53	-18.82	18.83	322.53	18.82	0.002%
34	-13.26	-323.12	-23.12	13.27	323.12	23.11	0.004%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
35	-0.00	-64.62	-20.89	0.01	64.62	20.87	0.029%
36	10.43	-64.40	-18.08	-10.42	64.40	18.07	0.029%
37	14.75	-64.25	-14.76	-14.73	64.24	14.75	0.030%
38	18.05	-64.19	-10.43	-18.03	64.19	10.43	0.032%
39	20.84	-64.47	0.03	-20.81	64.47	-0.02	0.035%
40	17.97	-64.74	10.39	-17.95	64.74	-10.37	0.041%
41	14.68	-64.66	14.65	-14.66	64.66	-14.64	0.039%
42	10.38	-64.48	17.94	-10.37	64.48	-17.92	0.036%
43	0.00	-64.20	20.74	-0.00	64.20	-20.72	0.034%
44	-10.36	-64.42	17.97	10.36	64.42	-17.95	0.031%
45	-14.75	-64.57	14.76	14.74	64.57	-14.74	0.031%
46	-17.96	-64.63	10.37	17.94	64.63	-10.36	0.031%
47	-20.71	-64.35	-0.03	20.69	64.35	0.03	0.024%
48	-17.95	-64.08	-10.38	17.94	64.08	10.37	0.019%
49	-14.68	-64.16	-14.65	14.67	64.16	14.64	0.020%
50	-10.38	-64.34	-17.94	10.38	64.34	17.93	0.023%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	8	0.00082527	0.00009025
2	Yes	10	0.00082246	0.00103540
3	Yes	10	0.00068965	0.00070402
4	Yes	9	0.00103219	0.00092420
5	Yes	8	0.00088062	0.00110395
6	Yes	10	0.00121471	0.00127031
7	Yes	11	0.00068807	0.00090547
8	Yes	11	0.00067524	0.00083942
9	Yes	10	0.00118597	0.00127815
10	Yes	8	0.00087808	0.00112863
11	Yes	10	0.00072141	0.00074575
12	Yes	10	0.00098653	0.00105902
13	Yes	10	0.00086276	0.00109046
14	Yes	10	0.00065053	0.00055572
15	Yes	8	0.00036214	0.00089838
16	Yes	9	0.00097845	0.00070497
17	Yes	10	0.00060069	0.00052444
18	Yes	9	0.00123921	0.00025528
19	Yes	10	0.00080155	0.00015225
20	Yes	10	0.00075674	0.00017835
21	Yes	10	0.00068232	0.00020367
22	Yes	10	0.00062908	0.00023875
23	Yes	10	0.00075242	0.00032670
24	Yes	10	0.00091086	0.00039255
25	Yes	10	0.00086913	0.00037427
26	Yes	10	0.00077144	0.00033454
27	Yes	10	0.00064084	0.00025263
28	Yes	10	0.00077461	0.00020962
29	Yes	10	0.00081868	0.00020194
30	Yes	10	0.00083580	0.00019931
31	Yes	9	0.00142336	0.00028782
32	Yes	9	0.00085482	0.00018414
33	Yes	9	0.00106337	0.00018268
34	Yes	9	0.00142328	0.00022041
35	Yes	7	0.00123481	0.00041867

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36	Yes	7	0.00097971	0.00035575
37	Yes	7	0.00081567	0.00032780
38	Yes	7	0.00070990	0.00033443
39	Yes	7	0.00083407	0.00043891
40	Yes	7	0.00105817	0.00052886
41	Yes	7	0.00098629	0.00050286
42	Yes	7	0.00084020	0.00044514
43	Yes	7	0.00072301	0.00035130
44	Yes	7	0.00096492	0.00037328
45	Yes	7	0.00112075	0.00041369
46	Yes	7	0.00120250	0.00043134
47	Yes	7	0.00095162	0.00038267
48	Yes	7	0.00062195	0.00034318
49	Yes	7	0.00074774	0.00035060
50	Yes	7	0.00098261	0.00037495

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	323 - 288	1.583	43	0.1039	0.0755
T1	288 - 280	1.100	43	0.0173	0.0687
T2	280 - 260	1.122	43	0.0228	0.0602
T3	260 - 240	1.200	43	0.0298	0.0521
T4	240 - 220	1.284	43	0.0284	0.0789
T5	220 - 200	1.330	43	0.0275	0.0685
T6	200 - 180	1.391	43	0.0241	0.0749
T7	180 - 160	1.383	43	0.0115	0.0625
T8	160 - 140	1.331	43	0.0091	0.0577
T9	140 - 120	1.293	43	0.0131	0.0614
T10	120 - 100	1.228	43	0.0138	0.0567
T11	100 - 80	1.206	43	0.0123	0.0592
T12	80 - 60	1.206	43	0.0157	0.0789
T13	60 - 40	1.079	43	0.0437	0.0977
T14	40 - 20	0.842	43	0.0721	0.1233
T15	20 - 6.75	0.471	43	0.1008	0.1420
T16	6.75 - 0	0.163	43	0.1119	0.1419

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
323.00	4-ft Lightning Rod	43	1.583	0.1039	0.0755	69462
305.00	6813 1-Bay w/radome	43	1.244	0.0357	0.1009	19295
284.00	Guy	43	1.107	0.0196	0.0487	20193
277.00	PD1110	43	1.134	0.0248	0.0666	175664
267.00	OGT9-840	43	1.172	0.0284	0.0602	126418
261.00	AP14-850/105	43	1.196	0.0297	0.0526	90906
256.50	Guy	43	1.215	0.0300	0.0533	125539
252.00	AP14-850/105	43	1.236	0.0298	0.0593	296532
250.00	BXA-70063-2CF	43	1.245	0.0296	0.0629	169872
240.00	SC479-HF1LDF	43	1.284	0.0284	0.0789	61832
216.50	Guy	43	1.341	0.0276	0.0682	102902
211.00	6813 1-Bay w/radome	43	1.359	0.0276	0.0702	419840

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<i>Elevation</i>	<i>Appurtenance</i>	<i>Gov. Load Comb.</i>	<i>Deflection in</i>	<i>Tilt °</i>	<i>Twist °</i>	<i>Radius of Curvature ft</i>
<i>ft</i>			<i>in</i>	<i>°</i>	<i>°</i>	<i>ft</i>
205.00	BA40-67-DIN	43	1.379	0.0265	0.0734	74038
198.00	6813 1-Bay w/radome	43	1.394	0.0227	0.0747	47336
190.00	6' Yagi	43	1.397	0.0150	0.0705	59230
185.00	7770.00	43	1.392	0.0123	0.0664	65727
172.00	24"x12"x5" Panel	43	1.363	0.0104	0.0586	248587
166.75	Guy	43	1.348	0.0095	0.0576	238793
166.00	16"x12"x3" TTA	43	1.346	0.0094	0.0575	191754
158.80	24"x12"x5" Panel	43	1.329	0.0092	0.0579	94012
157.00	Beacon	43	1.325	0.0094	0.0582	112556
150.00	BA40-67-DIN	43	1.313	0.0105	0.0599	269487
125.00	Sabre 2' Sidearm	43	1.243	0.0152	0.0581	147617
124.00	6'x4' Ice Shield	43	1.240	0.0150	0.0578	121961
112.00	PD1110	43	1.211	0.0104	0.0557	70559
106.75	Guy	43	1.206	0.0112	0.0563	67409
104.00	6'x4" Pipe Mount	43	1.205	0.0122	0.0572	64272
94.00	PR-900	43	1.210	0.0099	0.0641	319505
84.00	BXA-80063-4CF	43	1.212	0.0113	0.0747	34832
70.00	DB212-1	43	1.159	0.0291	0.0881	36095
56.50	Guy	43	1.045	0.0487	0.1017	51493
18.00	6' Yagi	43	0.427	0.1028	0.1424	46076

Maximum Tower Deflections - Design Wind

<i>Section No.</i>	<i>Elevation ft</i>	<i>Horz. Deflection in</i>	<i>Gov. Load Comb.</i>	<i>Tilt °</i>	<i>Twist °</i>
L1	323 - 288	9.486	10	0.5119	0.3620
T1	288 - 280	6.790	10	0.0902	0.3308
T2	280 - 260	6.781	10	0.0954	0.2901
T3	260 - 240	6.886	10	0.0972	0.2562
T4	240 - 220	7.072	10	0.0882	0.3272
T5	220 - 200	7.126	10	0.0953	0.2996
T6	200 - 180	7.269	10	0.0926	0.3018
T7	180 - 160	7.123	10	0.0748	0.2824
T8	160 - 140	6.777	10	0.0706	0.2806
T9	140 - 120	6.515	10	0.0775	0.3021
T10	120 - 100	6.140	10	0.0762	0.2877
T11	100 - 80	6.124	7	0.0650	0.3015
T12	80 - 60	6.307	7	0.0795	0.3803
T13	60 - 40	5.744	7	0.2195	0.4516
T14	40 - 20	4.500	7	0.3833	0.5615
T15	20 - 6.75	2.512	7	0.5380	0.6462
T16	6.75 - 0	0.869	7	0.5962	0.6565

Critical Deflections and Radius of Curvature - Design Wind

<i>Elevation</i>	<i>Appurtenance</i>	<i>Gov. Load Comb.</i>	<i>Deflection in</i>	<i>Tilt °</i>	<i>Twist °</i>	<i>Radius of Curvature ft</i>
<i>ft</i>			<i>in</i>	<i>°</i>	<i>°</i>	<i>ft</i>
323.00	4-ft Lightning Rod	10	9.486	0.5119	0.3620	15741
305.00	6813 1-Bay w/radome	10	7.688	0.2214	0.3784	4372
284.00	Guy	10	6.765	0.0932	0.3054	4665

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Elevation	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
ft						
277.00	PD1110	10	6.796	0.0966	0.2940	54193
267.00	OGT9-840	10	6.841	0.0976	0.2695	33749
261.00	AP14-850/105	10	6.878	0.0969	0.2563	21878
256.50	Guy	10	6.918	0.0973	0.2615	30545
252.00	AP14-850/105	10	6.964	0.0955	0.2781	39014
250.00	BXA-70063-2CF	10	6.985	0.0942	0.2874	33324
240.00	SC479-HF1LDF	10	7.072	0.0882	0.3272	16849
216.50	Guy	10	7.150	0.0982	0.2964	17036
211.00	6813 1-Bay w/radome	10	7.197	0.1010	0.2967	35012
205.00	BA40-67-DIN	10	7.245	0.0996	0.3002	18258
198.00	6813 1-Bay w/radome	10	7.272	0.0880	0.3014	11151
190.00	6' Yagi	10	7.240	0.0636	0.2945	13261
185.00	7770.00	10	7.191	0.0643	0.2883	15188
172.00	24"x12"x5" Panel	10	6.986	0.0763	0.2770	66787
166.75	Guy	10	6.890	0.0696	0.2768	24247
166.00	16"x12"x3" TTA	10	6.877	0.0686	0.2769	22225
158.80	24"x12"x5" Panel	10	6.760	0.0722	0.2818	16243
157.00	Beacon	10	6.735	0.0739	0.2839	19198
150.00	BA40-67-DIN	10	6.649	0.0733	0.2931	85426
125.00	Sabre 2' Sidearm	10	6.229	0.0853	0.2923	29770
124.00	6'x4' Ice Shield	10	6.210	0.0842	0.2913	24788
112.00	PD1110	10	6.038	0.0534	0.2852	14556
106.75	Guy	8	6.057	0.0625	0.2887	14086
104.00	6'x4" Pipe Mount	8	6.076	0.0653	0.2927	13842
94.00	PR-900	7	6.217	0.0541	0.3216	22522
84.00	BXA-80063-4CF	7	6.315	0.0559	0.3640	6153
70.00	DB212-1	7	6.124	0.1462	0.4146	6099
56.50	Guy	7	5.575	0.2496	0.4681	7857
18.00	6' Yagi	7	2.276	0.5488	0.6495	8896

Bolt Design Data

Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T1	288	Leg	A325N	1.0000	4	3.19	53.01	0.060 ✓	1	Bolt Tension
T2	280	Leg	A325N	1.0000	4	2.64	53.01	0.050 ✓	1	Bolt Tension
T3	260	Leg	A325N	1.0000	4	2.78	53.01	0.052 ✓	1	Bolt Tension
T4	240	Leg	A325N	1.0000	4	5.63	53.01	0.106 ✓	1	Bolt Tension
T5	220	Leg	A325N	1.0000	4	5.53	53.01	0.104 ✓	1	Bolt Tension
T6	200	Leg	A325N	1.0000	4	8.19	53.01	0.154 ✓	1	Bolt Tension
T7	180	Leg	A325N	1.0000	4	8.64	53.01	0.163 ✓	1	Bolt Tension
T8	160	Leg	A325N	1.0000	4	10.62	53.01	0.200 ✓	1	Bolt Tension
T9	140	Leg	A325N	1.0000	4	11.08	53.01	0.209 ✓	1	Bolt Tension
T10	120	Leg	A325N	1.0000	4	11.43	53.01	0.216 ✓	1	Bolt Tension
T11	100	Leg	A325N	1.0000	4	13.36	53.01	0.252 ✓	1	Bolt Tension
T12	80	Leg	A325N	1.3750	4	14.97	100.23	0.149 ✓	1	Bolt Tension
T13	60	Leg	A325N	1.3750	4	15.54	100.23	0.155 ✓	1	Bolt Tension

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Section No.	Elevation ft	Component Type	Bolt Grade	Bolt Size in	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
T14	40	Leg	A325N	1.3750	4	16.51	100.23	0.165 ✓	1	Bolt Tension
T15	20	Leg	A325N	1.3750	4	16.39	100.23	0.164 ✓	1	Bolt Tension
T16	6.75	Leg	A325N	1.3750	4	16.83	100.23	0.168 ✓	1	Bolt Tension

Guy Design Data

Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_u K	Required S.F.	Actual S.F.
T1	284.00 (A) (703)	3/4 EHS	8.16	58.30	17.77	34.98	1.000	1.968 ✓
	284.00 (A) (704)	3/4 EHS	8.16	58.30	17.84	34.98	1.000	1.960 ✓
	284.00 (B) (699)	3/4 EHS	8.16	58.30	16.78	34.98	1.000	2.085 ✓
	284.00 (B) (700)	3/4 EHS	8.16	58.30	16.78	34.98	1.000	2.085 ✓
	284.00 (C) (695)	3/4 EHS	8.16	58.30	17.66	34.98	1.000	1.980 ✓
	284.00 (C) (696)	3/4 EHS	8.16	58.30	17.70	34.98	1.000	1.976 ✓
T3	256.50 (A) (715)	3/4 EHS	8.16	58.30	17.56	34.98	1.000	1.993 ✓
	256.50 (A) (716)	3/4 EHS	8.16	58.30	17.60	34.98	1.000	1.987 ✓
	256.50 (B) (711)	3/4 EHS	8.16	58.30	16.49	34.98	1.000	2.121 ✓
	256.50 (B) (712)	3/4 EHS	8.16	58.30	16.46	34.98	1.000	2.125 ✓
	256.50 (C) (707)	3/4 EHS	8.16	58.30	17.46	34.98	1.000	2.003 ✓
	256.50 (C) (708)	3/4 EHS	8.16	58.30	17.47	34.98	1.000	2.002 ✓
T5	216.50 (A) (727)	3/4 EHS	8.16	58.30	17.29	34.98	1.000	2.024 ✓
	216.50 (A) (728)	3/4 EHS	8.16	58.30	17.34	34.98	1.000	2.017 ✓
	216.50 (B) (723)	3/4 EHS	8.16	58.30	16.17	34.98	1.000	2.164 ✓
	216.50 (B) (724)	3/4 EHS	8.16	58.30	16.14	34.98	1.000	2.167 ✓
	216.50 (C) (719)	3/4 EHS	8.16	58.30	17.22	34.98	1.000	2.032 ✓
	216.50 (C) (720)	3/4 EHS	8.16	58.30	17.23	34.98	1.000	2.030 ✓
T7	166.75 (A) (739)	3/4 EHS	8.16	58.30	17.37	34.98	1.000	2.014 ✓
	166.75 (A) (740)	3/4 EHS	8.16	58.30	17.80	34.98	1.000	1.966 ✓
	166.75 (B) (735)	3/4 EHS	8.16	58.30	17.06	34.98	1.000	2.051 ✓
	166.75 (B) (736)	3/4 EHS	8.16	58.30	16.63	34.98	1.000	2.103 ✓

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Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_n K	Required S.F.	Actual S.F.
T10	166.75 (C) (731)	3/4 EHS	8.16	58.30	17.66	34.98	1.000	1.981 ✓
	166.75 (C) (732)	3/4 EHS	8.16	58.30	17.53	34.98	1.000	1.996 ✓
	106.75 (A) (751)	3/4 EHS	8.16	58.30	18.09	34.98	1.000	1.934 ✓
	106.75 (A) (752)	3/4 EHS	8.16	58.30	18.62	34.98	1.000	1.879 ✓
	106.75 (B) (747)	3/4 EHS	8.16	58.30	18.00	34.98	1.000	1.943 ✓
	106.75 (B) (748)	3/4 EHS	8.16	58.30	17.34	34.98	1.000	2.017 ✓
	106.75 (C) (743)	3/4 EHS	8.16	58.30	18.30	34.98	1.000	1.911 ✓
	106.75 (C) (744)	3/4 EHS	8.16	58.30	18.34	34.98	1.000	1.907 ✓
T13	56.50 (A) (763)	7/16 EHS	2.91	20.80	7.98	12.48	1.000	1.565 ✓
	56.50 (A) (764)	7/16 EHS	2.91	20.80	8.04	12.48	1.000	1.552 ✓
	56.50 (B) (759)	7/16 EHS	2.91	20.80	7.86	12.48	1.000	1.588 ✓
	56.50 (B) (760)	7/16 EHS	2.91	20.80	7.85	12.48	1.000	1.591 ✓
	56.50 (C) (755)	7/16 EHS	2.91	20.80	7.94	12.48	1.000	1.571 ✓
	56.50 (C) (756)	7/16 EHS	2.91	20.80	7.98	12.48	1.000	1.564 ✓

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in^2	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
L1	323 - 288 (1)	P10.75x0.843	35.00	35.00	119.5	26.2373	-4.06	415.23	0.010

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{rx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{rx}}$	M_{uy} kip-ft	ϕM_{ry} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ry}}$
L1	323 - 288 (1)	P10.75x0.843	44.12	311.02	0.142	0.00	311.02	0.000

Pole Shear Design Data

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Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L1	323 - 288 (1)	P10.75x0.843	2.25	590.34	0.004	0.01	452.41	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	323 - 288 (1)	0.010	0.142	0.000	0.004	0.000	0.152 ✓	1.000	4.8.2 ✓

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	Mast Stability Index	P_u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	2	8.00	3.75	90.0 K=1.00	3.1416	1.00	-31.83	78.19	0.407 ¹
T2	280 - 260	2	20.00	3.25	78.0 K=1.00	3.1416	1.00	-33.33	90.61	0.368 ¹
T3	260 - 240	2 1/4	20.00	3.25	69.3 K=1.00	3.9761	1.00	-67.22	125.90	0.534 ¹
T4	240 - 220	2 1/4	20.00	3.25	69.3 K=1.00	3.9761	1.00	-67.59	125.90	0.537 ¹
T5	220 - 200	2 1/2	20.00	3.25	62.4 K=1.00	4.9087	1.00	-98.23	166.16	0.591 ¹
T6	200 - 180	2 1/2	20.00	3.25	62.4 K=1.00	4.9087	1.00	-103.79	166.16	0.625 ¹
T7	180 - 160	2 3/4	20.00	3.25	56.7 K=1.00	5.9396	1.00	-127.37	211.24	0.603 ¹
T8	160 - 140	2 1/2	20.00	3.25	62.4 K=1.00	4.9087	1.00	-132.91	166.16	0.800 ¹
T9	140 - 120	2 3/4	20.00	3.25	56.7 K=1.00	5.9396	1.00	-137.19	211.24	0.649 ¹
T10	120 - 100	2 3/4	20.00	3.25	56.7 K=1.00	5.9396	1.00	-160.34	211.24	0.759 ¹
T11	100 - 80	3	20.00	3.25	52.0 K=1.00	7.0686	1.00	-179.60	261.02	0.688 ¹
T12	80 - 60	3	20.00	3.25	52.0 K=1.00	7.0686	1.00	-186.53	261.02	0.715 ¹
T13	60 - 40	3	20.00	3.25	52.0 K=1.00	7.0686	1.00	-198.11	261.02	0.759 ¹
T14	40 - 20	3	20.00	3.25	52.0 K=1.00	7.0686	1.00	-198.11	261.02	0.759 ¹
T15	20 - 6.75	3	13.25	3.19	51.0 K=1.00	7.0686	1.00	-196.66	263.00	0.748 ¹
T16	6.75 - 0	3	7.07	1.97	31.4 K=1.00	7.0686	0.96	-202.63	285.39	0.710 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	Mast Stability Index	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
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¹ P_u / φP_n controls

Leg Bending Design Data (Compression)

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T1	288 - 280	2	0.00	5.00	0.000	0.00	5.00	0.000
T2	280 - 260	2	0.00	5.00	0.000	0.00	5.00	0.000
T3	260 - 240	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T4	240 - 220	2 1/4	0.00	7.12	0.000	0.00	7.12	0.000
T5	220 - 200	2 1/2	0.00	9.77	0.000	0.00	9.77	0.000
T6	200 - 180	2 1/2	0.00	9.77	0.000	0.00	9.77	0.000
T7	180 - 160	2 3/4	0.00	13.00	0.000	0.00	13.00	0.000
T8	160 - 140	2 1/2	0.00	9.77	0.000	0.00	9.77	0.000
T9	140 - 120	2 3/4	0.00	13.00	0.000	0.00	13.00	0.000
T10	120 - 100	2 3/4	0.00	13.00	0.000	0.00	13.00	0.000
T11	100 - 80	3	0.00	16.88	0.000	0.00	16.88	0.000
T12	80 - 60	3	0.00	16.88	0.000	0.00	16.88	0.000
T13	60 - 40	3	0.00	16.88	0.000	0.00	16.88	0.000
T14	40 - 20	3	0.00	16.88	0.000	0.00	16.88	0.000
T15	20 - 6.75	3	0.00	16.88	0.000	0.00	16.88	0.000
T16	6.75 - 0	3	0.00	16.88	0.000	0.00	16.88	0.000

Leg Interaction Design Data (Compression)

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T1	288 - 280	2	0.407	0.000	0.000	0.407 ¹	1.000	4.8.1 ✓
T2	280 - 260	2	0.368	0.000	0.000	0.368 ¹	1.000	4.8.1 ✓
T3	260 - 240	2 1/4	0.534	0.000	0.000	0.534 ¹	1.000	4.8.1 ✓
T4	240 - 220	2 1/4	0.537	0.000	0.000	0.537 ¹	1.000	4.8.1 ✓
T5	220 - 200	2 1/2	0.591	0.000	0.000	0.591 ¹	1.000	4.8.1 ✓
T6	200 - 180	2 1/2	0.625	0.000	0.000	0.625 ¹	1.000	4.8.1 ✓
T7	180 - 160	2 3/4	0.603	0.000	0.000	0.603 ¹	1.000	4.8.1 ✓
T8	160 - 140	2 1/2	0.800	0.000	0.000	0.800 ¹	1.000	4.8.1 ✓
T9	140 - 120	2 3/4	0.649	0.000	0.000	0.649 ¹	1.000	4.8.1 ✓

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Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T10	120 - 100	2 3/4	0.759	0.000	0.000	0.759 ¹	1.000	4.8.1 ✓
T11	100 - 80	3	0.688	0.000	0.000	0.688 ¹	1.000	4.8.1 ✓
T12	80 - 60	3	0.715	0.000	0.000	0.715 ¹	1.000	4.8.1 ✓
T13	60 - 40	3	0.759	0.000	0.000	0.759 ¹	1.000	4.8.1 ✓
T14	40 - 20	3	0.759	0.000	0.000	0.759 ¹	1.000	4.8.1 ✓
T15	20 - 6.75	3	0.748	0.000	0.000	0.748 ¹	1.000	4.8.1 ✓
T16	6.75 - 0	3	0.710	0.000	0.000	0.710 ¹	1.000	4.8.1 ✓

¹ $P_u / \phi P_n$ controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	ϕP_n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	1 3/8	5.25	5.01	122.4 K=0.70	1.4849	-2.17	21.86	0.099 ¹
T2	280 - 260	1 3/8	4.90	4.68	114.4 K=0.70	1.4849	-2.05	24.17	0.085 ¹
T3	260 - 240	1 3/8	4.90	4.65	113.7 K=0.70	1.4849	-4.57	24.37	0.188 ¹
T4	240 - 220	1 3/8	4.90	4.65	113.7 K=0.70	1.4849	-4.32	24.37	0.177 ¹
T5	220 - 200	1 1/2	4.90	4.62	103.6 K=0.70	1.7672	-6.60	32.55	0.203 ¹
T6	200 - 180	1 1/4	4.90	4.62	124.3 K=0.70	1.2272	-8.40	17.63	0.477 ¹
T7	180 - 160	1 1/2	4.90	4.60	103.0 K=0.70	1.7672	-9.56	32.77	0.292 ¹
T8	160 - 140	1 3/8	4.90	4.62	113.0 K=0.70	1.4849	-4.72	24.57	0.192 ¹
T9	140 - 120	1 1/4	4.90	4.60	123.5 K=0.70	1.2272	-5.83	17.80	0.328 ¹
T10	120 - 100	1 1/2	4.90	4.60	103.0 K=0.70	1.7672	-13.74	32.77	0.419 ¹
T11	100 - 80	1 3/8	4.90	4.57	111.6 K=0.70	1.4849	-13.47	24.96	0.540 ¹
T12	80 - 60	1 1/4	4.90	4.57	122.8 K=0.70	1.2272	-4.35	17.98	0.242 ¹
T13	60 - 40	1 1/4	4.90	4.57	122.8 K=0.70	1.2272	-5.74	17.98	0.320 ¹
T14	40 - 20	1 1/4	4.90	4.57	122.8 K=0.70	1.2272	-6.45	17.98	0.359 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T15	20 - 6.75	1 1/4	4.86	4.53	121.8 K=0.70	1.2272	-7.24	18.22	0.397 ¹ ✓ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	1	3.67	3.50	117.7 K=0.70	0.7854	-3.23	12.27	0.263 ¹ ✓
T2	280 - 260	1	3.67	3.50	117.7 K=0.70	0.7854	-0.37	12.27	0.030 ¹ ✓
T3	260 - 240	1	3.67	3.48	117.0 K=0.70	0.7854	-4.49	12.38	0.363 ¹ ✓
T4	240 - 220	1	3.67	3.48	117.0 K=0.70	0.7854	-0.23	12.38	0.018 ¹ ✓
T5	220 - 200	1	3.67	3.46	116.3 K=0.70	0.7854	-7.25	12.48	0.581 ¹ ✓
T6	200 - 180	1	3.67	3.46	116.3 K=0.70	0.7854	-1.95	12.48	0.157 ¹ ✓
T7	180 - 160	1	3.67	3.44	115.6 K=0.70	0.7854	-10.23	12.59	0.813 ¹ ✓
T8	160 - 140	1	3.67	3.46	116.3 K=0.70	0.7854	-0.10	12.48	0.008 ¹ ✓
T9	140 - 120	1	3.67	3.44	115.6 K=0.70	0.7854	-0.03	12.59	0.002 ¹ ✓
T10	120 - 100	1	3.67	3.44	115.6 K=0.70	0.7854	-0.17	12.59	0.013 ¹ ✓
T11	100 - 80	1	3.67	3.42	114.9 K=0.70	0.7854	-1.15	12.70	0.091 ¹ ✓
T13	60 - 40	1	3.67	3.42	114.9 K=0.70	0.7854	-4.87	12.70	0.383 ¹ ✓
T16	6.75 - 0	9x3/8	1.90	1.65	183.2 K=1.00	3.3750	-0.16	22.71	0.007 ¹ ✓

¹ P_u / φP_n controls

Secondary Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	1	1.84	1.75	81.5 K=0.97	0.7854	-0.00	17.94	0.000 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T2	280 - 260	1	1.84	1.75	81.5 K=0.97	0.7854	-0.00	17.94	0.000 ¹ ✓
T3	260 - 240	1	1.84	1.74	81.3 K=0.97	0.7854	-0.00	17.96	0.000 ¹ ✓
T4	240 - 220	1	1.84	1.74	81.3 K=0.97	0.7854	-0.00	17.96	0.000 ¹ ✓
T5	220 - 200	1	1.84	1.73	81.2 K=0.98	0.7854	-0.00	17.99	0.000 ¹ ✓
T6	200 - 180	1	1.84	1.73	81.2 K=0.98	0.7854	-0.00	17.99	0.000 ¹ ✓
T7	180 - 160	1	1.84	1.72	81.0 K=0.98	0.7854	-0.00	18.02	0.000 ¹ ✓
T8	160 - 140	1	1.84	1.73	81.2 K=0.98	0.7854	-0.00	17.99	0.000 ¹ ✓
T9	140 - 120	1	1.84	1.72	81.0 K=0.98	0.7854	-0.00	18.02	0.000 ¹ ✓
T10	120 - 100	1	1.84	1.72	81.0 K=0.98	0.7854	-0.00	18.02	0.000 ¹ ✓
T11	100 - 80	1	1.84	1.71	80.8 K=0.98	0.7854	-0.00	18.05	0.000 ¹ ✓
T12	80 - 60	1	1.84	1.71	80.8 K=0.98	0.7854	-0.00	18.05	0.000 ¹ ✓
T13	60 - 40	1	1.84	1.71	80.8 K=0.98	0.7854	-0.00	18.05	0.000 ¹ ✓
T14	40 - 20	1	1.84	1.71	80.8 K=0.98	0.7854	-0.00	18.05	0.000 ¹ ✓
T15	20 - 6.75	1	1.84	1.71	80.8 K=0.98	0.7854	-0.00	18.05	0.000 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T4	240 - 220	1	3.67	3.48	117.0 K=0.70	0.7854	-0.62	12.38	0.050 ¹ ✓
T5	220 - 200	1	3.67	3.46	116.3 K=0.70	0.7854	-0.28	12.48	0.022 ¹ ✓
T6	200 - 180	1	3.67	3.46	116.3 K=0.70	0.7854	-0.58	12.48	0.046 ¹ ✓
T7	180 - 160	1	3.67	3.44	115.6 K=0.70	0.7854	-1.67	12.59	0.132 ¹ ✓
T8	160 - 140	1	3.67	3.46	116.3 K=0.70	0.7854	-0.69	12.48	0.055 ¹ ✓
T9	140 - 120	1	3.67	3.44	115.6 K=0.70	0.7854	-0.08	12.59	0.007 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	120 - 100	1	3.67	3.44	115.6 K=0.70	0.7854	-0.91	12.59	0.073 ¹ ✓
T11	100 - 80	1	3.67	3.42	114.9 K=0.70	0.7854	-2.04	12.70	0.161 ¹ ✓
T12	80 - 60	1	3.67	3.42	114.9 K=0.70	0.7854	-0.13	12.70	0.010 ¹ ✓
T13	60 - 40	1	3.67	3.42	114.9 K=0.70	0.7854	-0.14	12.70	0.011 ¹ ✓
T14	40 - 20	1	3.67	3.42	114.9 K=0.70	0.7854	-0.22	12.70	0.017 ¹ ✓
T15	20 - 6.75	1	3.67	3.42	114.9 K=0.70	0.7854	-0.79	12.70	0.062 ¹ ✓

¹ P_u / φP_n controls

Bottom Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	1	3.67	3.50	117.7 K=0.70	0.7854	-1.89	12.27	0.154 ¹ ✓
T2	280 - 260	1	3.67	3.50	117.7 K=0.70	0.7854	-1.30	12.27	0.106 ¹ ✓
T3	260 - 240	1	3.67	3.48	117.0 K=0.70	0.7854	-0.65	12.38	0.052 ¹ ✓
T4	240 - 220	1	3.67	3.48	117.0 K=0.70	0.7854	-1.65	12.38	0.134 ¹ ✓
T5	220 - 200	1	3.67	3.46	116.3 K=0.70	0.7854	-0.66	12.48	0.053 ¹ ✓
T6	200 - 180	1	3.67	3.46	116.3 K=0.70	0.7854	-1.52	12.48	0.122 ¹ ✓
T7	180 - 160	1	3.67	3.44	115.6 K=0.70	0.7854	-1.03	12.59	0.082 ¹ ✓
T9	140 - 120	1	3.67	3.44	115.6 K=0.70	0.7854	-0.72	12.59	0.057 ¹ ✓
T10	120 - 100	1	3.67	3.44	115.6 K=0.70	0.7854	-2.33	12.59	0.185 ¹ ✓
T11	100 - 80	1	3.67	3.42	114.9 K=0.70	0.7854	-0.49	12.70	0.038 ¹ ✓
T12	80 - 60	1	3.67	3.42	114.9 K=0.70	0.7854	-0.30	12.70	0.024 ¹ ✓
T13	60 - 40	1	3.67	3.42	114.9 K=0.70	0.7854	-0.16	12.70	0.013 ¹ ✓
T14	40 - 20	1	3.67	3.42	114.9 K=0.70	0.7854	-0.49	12.70	0.038 ¹ ✓

¹ P_u / φP_n controls

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Top Guy Pull-Off Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	120 - 100	1" S.R. w/ 1" S.R. Crosby Clipped	3.67	3.44	81.8 K=0.70	0.7850	-13.91	17.88	0.778 ¹

¹ P_u / φP_n controls

Top Guy Pull-Off Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T10	120 - 100	1" S.R. w/ 1" S.R. Crosby Clipped	0.00	0.40	0.000	0.00	0.40	0.000

Top Guy Pull-Off Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T10	120 - 100	1" S.R. w/ 1" S.R. Crosby Clipped	0.778	0.000	0.000	0.778 ¹ ✓	1.000	4.8.1 ✓

¹ P_u / φP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280 (702)	C15x33.9	4.00	3.92	52.1 K=1.00	9.9600	-0.07	279.81	0.000
T3	260 - 240 (709)	C15x33.9	4.00	3.91	51.9 K=1.00	9.9600	-0.22	280.02	0.001
T3	260 - 240 (710)	C15x33.9	4.00	3.91	51.9 K=1.00	9.9600	-0.09	280.02	0.000
T3	260 - 240 (713)	C15x33.9	4.00	3.91	51.9 K=1.00	9.9600	-0.15	280.02	0.001
T3	260 - 240 (714)	C15x33.9	4.00	3.91	51.9 K=1.00	9.9600	-0.11	280.02	0.000
T3	260 - 240 (717)	C15x33.9	4.00	3.91	51.9 K=1.00	9.9600	-0.45	280.02	0.002
T3	260 - 240 (718)	C15x33.9	4.00	3.91	51.9 K=1.00	9.9600	-0.89	280.02	0.003

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T5	220 - 200 (721)	C15x33.9	4.00	3.90	K=1.00 51.8	9.9600	-1.75	280.23	0.006
T5	220 - 200 (722)	C15x33.9	4.00	3.90	K=1.00 51.8	9.9600	-1.59	280.23	0.006
T5	220 - 200 (725)	C15x33.9	4.00	3.90	K=1.00 51.8	9.9600	-1.53	280.23	0.005
T5	220 - 200 (726)	C15x33.9	4.00	3.90	K=1.00 51.8	9.9600	-1.52	280.23	0.005
T5	220 - 200 (729)	C15x33.9	4.00	3.90	K=1.00 51.8	9.9600	-1.21	280.23	0.004
T5	220 - 200 (730)	C15x33.9	4.00	3.90	K=1.00 51.8	9.9600	-1.31	280.23	0.005
T7	180 - 160 (733)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-3.52	280.44	0.013
T7	180 - 160 (734)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-3.66	280.44	0.013
T7	180 - 160 (737)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-3.38	280.44	0.012
T7	180 - 160 (738)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-3.42	280.44	0.012
T7	180 - 160 (741)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-2.91	280.44	0.010
T7	180 - 160 (742)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-3.15	280.44	0.011
T10	120 - 100 (745)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-5.26	280.44	0.019
T10	120 - 100 (746)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-5.64	280.44	0.020
T10	120 - 100 (749)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-5.38	280.44	0.019
T10	120 - 100 (750)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-5.49	280.44	0.020
T10	120 - 100 (753)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-4.59	280.44	0.016
T10	120 - 100 (754)	C15x33.9	4.00	3.89	K=1.00 51.6	9.9600	-4.98	280.44	0.018
T13	60 - 40 (757)	C15x33.9	4.00	3.88	K=1.00 51.5	9.9600	-2.37	280.65	0.008
T13	60 - 40 (758)	C15x33.9	4.00	3.88	K=1.00 51.5	9.9600	-2.80	280.65	0.010
T13	60 - 40 (761)	C15x33.9	4.00	3.88	K=1.00 51.5	9.9600	-2.31	280.65	0.008
T13	60 - 40 (762)	C15x33.9	4.00	3.88	K=1.00 51.5	9.9600	-2.05	280.65	0.007
T13	60 - 40 (765)	C15x33.9	4.00	3.88	K=1.00 51.5	9.9600	-1.67	280.65	0.006
T13	60 - 40 (766)	C15x33.9	4.00	3.88	K=1.00 51.5	9.9600	-1.67	280.65	0.006

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T1	288 - 280 (702)	C15x33.9	-44.74	135.28	0.331	0.00	12.60	0.000

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Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M_{uy} kip-ft	ϕM_{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T3	260 - 240 (709)	C15x33.9	-47.27	135.33	0.349	0.00	12.60	0.000
T3	260 - 240 (710)	C15x33.9	-47.06	135.33	0.348	0.00	12.60	0.000
T3	260 - 240 (713)	C15x33.9	-43.30	135.33	0.320	-0.00	12.60	0.000
T3	260 - 240 (714)	C15x33.9	-46.87	135.33	0.346	-0.00	12.60	0.000
T3	260 - 240 (717)	C15x33.9	-42.47	135.33	0.314	-0.00	12.60	0.000
T3	260 - 240 (718)	C15x33.9	-44.32	135.33	0.327	-0.00	12.60	0.000
T5	220 - 200 (721)	C15x33.9	-46.98	135.39	0.347	0.00	12.60	0.000
T5	220 - 200 (722)	C15x33.9	-46.75	135.39	0.345	-0.00	12.60	0.000
T5	220 - 200 (725)	C15x33.9	-41.97	135.39	0.310	-0.00	12.60	0.000
T5	220 - 200 (726)	C15x33.9	-46.56	135.39	0.344	-0.00	12.60	0.000
T5	220 - 200 (729)	C15x33.9	-41.82	135.39	0.309	-0.00	12.60	0.000
T5	220 - 200 (730)	C15x33.9	-47.05	135.39	0.348	0.00	12.60	0.000
T7	180 - 160 (733)	C15x33.9	-43.82	135.44	0.324	-0.00	12.60	0.000
T7	180 - 160 (734)	C15x33.9	-44.45	135.44	0.328	0.00	12.60	0.000
T7	180 - 160 (737)	C15x33.9	-43.96	135.44	0.325	-0.00	12.60	0.000
T7	180 - 160 (738)	C15x33.9	-37.78	135.44	0.279	-0.00	12.60	0.000
T7	180 - 160 (741)	C15x33.9	-37.92	135.44	0.280	-0.00	12.60	0.000
T7	180 - 160 (742)	C15x33.9	-44.19	135.44	0.326	0.00	12.60	0.000
T10	120 - 100 (745)	C15x33.9	-34.99	135.44	0.258	0.00	12.60	0.000
T10	120 - 100 (746)	C15x33.9	-35.93	135.44	0.265	0.00	12.60	0.000
T10	120 - 100 (749)	C15x33.9	-35.16	135.44	0.260	-0.00	12.60	0.000
T10	120 - 100 (750)	C15x33.9	-27.49	135.44	0.203	-0.00	12.60	0.000
T10	120 - 100 (753)	C15x33.9	-27.59	135.44	0.204	-0.00	12.60	0.000
T10	120 - 100 (754)	C15x33.9	-35.62	135.44	0.263	0.00	12.60	0.000
T13	60 - 40 (757)	C15x33.9	-9.39	135.50	0.069	0.00	12.60	0.000
T13	60 - 40 (758)	C15x33.9	-8.93	135.50	0.066	0.00	12.60	0.000
T13	60 - 40 (761)	C15x33.9	-5.95	135.50	0.044	0.00	12.60	0.000
T13	60 - 40 (762)	C15x33.9	-9.00	135.50	0.066	0.00	12.60	0.000
T13	60 - 40 (765)	C15x33.9	-5.81	135.50	0.043	0.00	12.60	0.000
T13	60 - 40 (766)	C15x33.9	-9.24	135.50	0.068	0.00	12.60	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T1	288 - 280 (702)	C15x33.9	0.000	0.331	0.000	0.331	1.000	4.8.1 ✓
T3	260 - 240 (709)	C15x33.9	0.001	0.349	0.000	0.350	1.000	4.8.1 ✓
T3	260 - 240 (710)	C15x33.9	0.000	0.348	0.000	0.348	1.000	4.8.1 ✓
T3	260 - 240 (713)	C15x33.9	0.001	0.320	0.000	0.320	1.000	4.8.1 ✓
T3	260 - 240 (714)	C15x33.9	0.000	0.346	0.000	0.346	1.000	4.8.1 ✓
T3	260 - 240 (717)	C15x33.9	0.002	0.314	0.000	0.315	1.000	4.8.1 ✓
T3	260 - 240 (718)	C15x33.9	0.003	0.327	0.000	0.329	1.000	4.8.1 ✓
T5	220 - 200 (721)	C15x33.9	0.006	0.347	0.000	0.350	1.000	4.8.1 ✓
T5	220 - 200 (722)	C15x33.9	0.006	0.345	0.000	0.348	1.000	4.8.1 ✓

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Section No.	Elevation ft	Size	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
			$\frac{P_u}{\phi P_n}$	$\frac{M_{ux}}{\phi M_{nx}}$	$\frac{M_{uy}}{\phi M_{ny}}$			
T5	220 - 200 (725)	C15x33.9	0.005	0.310	0.000	0.313	1.000	4.8.1 ✓
T5	220 - 200 (726)	C15x33.9	0.005	0.344	0.000	0.347	1.000	4.8.1 ✓
T5	220 - 200 (729)	C15x33.9	0.004	0.309	0.000	0.311	1.000	4.8.1 ✓
T5	220 - 200 (730)	C15x33.9	0.005	0.348	0.000	0.350	1.000	4.8.1 ✓
T7	180 - 160 (733)	C15x33.9	0.013	0.324	0.000	0.330	1.000	4.8.1 ✓
T7	180 - 160 (734)	C15x33.9	0.013	0.328	0.000	0.335	1.000	4.8.1 ✓
T7	180 - 160 (737)	C15x33.9	0.012	0.325	0.000	0.331	1.000	4.8.1 ✓
T7	180 - 160 (738)	C15x33.9	0.012	0.279	0.000	0.285	1.000	4.8.1 ✓
T7	180 - 160 (741)	C15x33.9	0.010	0.280	0.000	0.285	1.000	4.8.1 ✓
T7	180 - 160 (742)	C15x33.9	0.011	0.326	0.000	0.332	1.000	4.8.1 ✓
T10	120 - 100 (745)	C15x33.9	0.019	0.258	0.000	0.268	1.000	4.8.1 ✓
T10	120 - 100 (746)	C15x33.9	0.020	0.265	0.000	0.275	1.000	4.8.1 ✓
T10	120 - 100 (749)	C15x33.9	0.019	0.260	0.000	0.269	1.000	4.8.1 ✓
T10	120 - 100 (750)	C15x33.9	0.020	0.203	0.000	0.213	1.000	4.8.1 ✓
T10	120 - 100 (753)	C15x33.9	0.016	0.204	0.000	0.212	1.000	4.8.1 ✓
T10	120 - 100 (754)	C15x33.9	0.018	0.263	0.000	0.272	1.000	4.8.1 ✓
T13	60 - 40 (757)	C15x33.9	0.008	0.069	0.000	0.074	1.000	4.8.1 ✓
T13	60 - 40 (758)	C15x33.9	0.010	0.066	0.000	0.071	1.000	4.8.1 ✓
T13	60 - 40 (761)	C15x33.9	0.008	0.044	0.000	0.048	1.000	4.8.1 ✓
T13	60 - 40 (762)	C15x33.9	0.007	0.066	0.000	0.070	1.000	4.8.1 ✓
T13	60 - 40 (765)	C15x33.9	0.006	0.043	0.000	0.046	1.000	4.8.1 ✓
T13	60 - 40 (766)	C15x33.9	0.006	0.068	0.000	0.071	1.000	4.8.1 ✓

Tension Checks

Leg Design Data (Tension)

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	2	8.00	3.75	90.0	3.1416	14.29	141.37	0.101 ¹

¹ P_u / φP_n controls

Leg Bending Design Data (Tension)

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T1	288 - 280	2	0.00	5.00	0.000	0.00	5.00	0.000

Leg Interaction Design Data (Tension)

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T1	288 - 280	2	0.101	0.000	0.000	0.101 ¹ ✓	1.000	4.8.1 ✓

¹ P_u / φP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	1 3/8	5.25	5.01	174.9	1.4849	2.28	48.11	0.047 ¹ ✓
T2	280 - 260	1 3/8	4.90	4.68	163.4	1.4849	1.54	48.11	0.032 ¹ ✓
T3	260 - 240	1 3/8	4.90	4.65	162.4	1.4849	3.63	48.11	0.075 ¹ ✓
T4	240 - 220	1 3/8	4.90	4.65	162.4	1.4849	3.77	48.11	0.078 ¹ ✓
T5	220 - 200	1 1/2	4.90	4.62	148.0	1.7672	5.16	57.26	0.090 ¹ ✓
T6	200 - 180	1 1/4	4.90	4.62	177.6	1.2272	6.98	39.76	0.176 ¹ ✓
T7	180 - 160	1 1/2	4.90	4.60	147.1	1.7672	8.60	57.26	0.150 ¹ ✓
T8	160 - 140	1 3/8	4.90	4.62	161.4	1.4849	3.96	48.11	0.082 ¹ ✓
T9	140 - 120	1 1/4	4.90	4.60	176.5	1.2272	4.24	39.76	0.107 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	120 - 100	1 1/2	4.90	4.60	147.1	1.7672	12.16	57.26	0.212 ¹ ✓
T11	100 - 80	1 3/8	4.90	4.57	159.5	1.4849	11.40	48.11	0.237 ¹ ✓
T12	80 - 60	1 1/4	4.90	4.57	175.4	1.2272	2.24	39.76	0.056 ¹ ✓
T13	60 - 40	1 1/4	4.90	4.57	175.4	1.2272	3.25	39.76	0.082 ¹ ✓
T14	40 - 20	1 1/4	4.90	4.57	175.4	1.2272	4.15	39.76	0.104 ¹ ✓
T15	20 - 6.75	1 1/4	4.86	4.53	173.9	1.2272	5.61	39.76	0.141 ¹ ✓

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	1	3.67	3.50	168.2	0.7854	3.61	25.45	0.142 ¹ ✓
T2	280 - 260	1	3.67	3.50	168.2	0.7854	0.58	25.45	0.023 ¹ ✓
T3	260 - 240	1	3.67	3.48	167.2	0.7854	5.14	25.45	0.202 ¹ ✓
T4	240 - 220	1	3.67	3.48	167.2	0.7854	0.69	25.45	0.027 ¹ ✓
T5	220 - 200	1	3.67	3.46	166.2	0.7854	8.36	25.45	0.329 ¹ ✓
T6	200 - 180	1	3.67	3.46	166.2	0.7854	2.76	25.45	0.109 ¹ ✓
T7	180 - 160	1	3.67	3.44	165.2	0.7854	11.83	25.45	0.465 ¹ ✓
T8	160 - 140	1	3.67	3.46	166.2	0.7854	1.04	25.45	0.041 ¹ ✓
T9	140 - 120	1	3.67	3.44	165.2	0.7854	1.23	25.45	0.048 ¹ ✓
T10	120 - 100	1	3.67	3.44	165.2	0.7854	1.72	25.45	0.068 ¹ ✓
T11	100 - 80	1	3.67	3.42	164.2	0.7854	2.65	25.45	0.104 ¹ ✓
T12	80 - 60	1	3.67	3.42	164.2	0.7854	1.66	25.45	0.065 ¹ ✓
T13	60 - 40	1	3.67	3.42	164.2	0.7854	6.76	25.45	0.266 ¹ ✓
T14	40 - 20	1	3.67	3.42	164.2	0.7854	1.76	25.45	0.069 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T15	20 - 6.75	1	3.67	3.42	164.2	0.7854	1.68	25.45	0.066 ¹
T16	6.75 - 0	9x3/8	2.79	2.54	281.2	3.3750	0.74	109.35	0.007 ¹

¹ P_u / φP_n controls

Secondary Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	1	1.84	1.75	84.1	0.7854	0.00	25.45	0.000 ¹
T2	280 - 260	1	1.84	1.75	84.1	0.7854	0.00	25.45	0.000 ¹
T3	260 - 240	1	1.84	1.74	83.6	0.7854	0.00	25.45	0.000 ¹
T4	240 - 220	1	1.84	1.74	83.6	0.7854	0.00	25.45	0.000 ¹
T5	220 - 200	1	1.84	1.73	83.1	0.7854	0.00	25.45	0.000 ¹
T6	200 - 180	1	1.84	1.73	83.1	0.7854	0.00	25.45	0.000 ¹
T7	180 - 160	1	1.84	1.72	82.6	0.7854	0.00	25.45	0.000 ¹
T8	160 - 140	1	1.84	1.73	83.1	0.7854	0.00	25.45	0.000 ¹
T9	140 - 120	1	1.84	1.72	82.6	0.7854	0.00	25.45	0.000 ¹
T10	120 - 100	1	1.84	1.72	82.6	0.7854	0.00	25.45	0.000 ¹
T11	100 - 80	1	1.84	1.71	82.1	0.7854	0.00	25.45	0.000 ¹
T12	80 - 60	1	1.84	1.71	82.1	0.7854	0.00	25.45	0.000 ¹
T13	60 - 40	1	1.84	1.71	82.1	0.7854	0.00	25.45	0.000 ¹
T14	40 - 20	1	1.84	1.71	82.1	0.7854	0.00	25.45	0.000 ¹
T15	20 - 6.75	1	1.84	1.71	82.1	0.7854	0.00	25.45	0.000 ¹

¹ P_u / φP_n controls

Top Girt Design Data (Tension)

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	288 - 280	1	3.67	3.50	168.2	0.7854	6.65	25.45	0.261 ¹
T2	280 - 260	1	3.67	3.50	168.2	0.7854	1.39	25.45	0.055 ¹
T3	260 - 240	1	3.67	3.48	167.2	0.7854	2.04	25.45	0.080 ¹
T4	240 - 220	1	3.67	3.48	167.2	0.7854	0.77	25.45	0.030 ¹
T5	220 - 200	1	3.67	3.46	166.2	0.7854	2.21	25.45	0.087 ¹
T6	200 - 180	1	3.67	3.46	166.2	0.7854	0.75	25.45	0.030 ¹
T7	180 - 160	1	3.67	3.44	165.2	0.7854	1.98	25.45	0.078 ¹
T8	160 - 140	1	3.67	3.46	166.2	0.7854	1.14	25.45	0.045 ¹
T9	140 - 120	1	3.67	3.44	165.2	0.7854	0.61	25.45	0.024 ¹
T10	120 - 100	1	3.67	3.44	165.2	0.7854	1.60	25.45	0.063 ¹
T11	100 - 80	1	3.67	3.42	164.2	0.7854	2.65	25.45	0.104 ¹
T12	80 - 60	1	3.67	3.42	164.2	0.7854	0.87	25.45	0.034 ¹
T13	60 - 40	1	3.67	3.42	164.2	0.7854	1.15	25.45	0.045 ¹
T14	40 - 20	1	3.67	3.42	164.2	0.7854	0.86	25.45	0.034 ¹
T15	20 - 6.75	1	3.67	3.42	164.2	0.7854	1.48	25.45	0.058 ¹
T16	6.75 - 0	12x3/8	3.67	3.42	379.1	4.5000	29.90	145.80	0.205 ¹

¹ P_u / φP_n controls

Bottom Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T2	280 - 260	1	3.67	3.50	168.2	0.7854	0.07	25.45	0.003 ¹
T3	260 - 240	1	3.67	3.48	167.2	0.7854	0.96	25.45	0.038 ¹
T4	240 - 220	1	3.67	3.48	167.2	0.7854	0.86	25.45	0.034 ¹
T5	220 - 200	1	3.67	3.46	166.2	0.7854	1.18	25.45	0.046 ¹
T6	200 - 180	1	3.67	3.46	166.2	0.7854	2.06	25.45	0.081 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T7	180 - 160	1	3.67	3.44	165.2	0.7854	1.72	25.45	0.068 ¹ ✓
T8	160 - 140	1	3.67	3.46	166.2	0.7854	0.48	25.45	0.019 ¹ ✓
T9	140 - 120	1	3.67	3.44	165.2	0.7854	1.16	25.45	0.046 ¹ ✓
T10	120 - 100	1	3.67	3.44	165.2	0.7854	3.23	25.45	0.127 ¹ ✓
T11	100 - 80	1	3.67	3.42	164.2	0.7854	1.23	25.45	0.048 ¹ ✓
T12	80 - 60	1	3.67	3.42	164.2	0.7854	0.88	25.45	0.035 ¹ ✓
T13	60 - 40	1	3.67	3.42	164.2	0.7854	0.96	25.45	0.038 ¹ ✓
T14	40 - 20	1	3.67	3.42	164.2	0.7854	1.33	25.45	0.052 ¹ ✓
T15	20 - 6.75	1	3.67	3.42	164.2	0.7854	4.79	25.45	0.188 ¹ ✓

¹ P_u / φP_n controls

Top Guy Pull-Off Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	120 - 100	1" S.R. w/ 1" S.R. Crosby Clipped	3.67	3.44	116.9	0.7850	15.87	25.43	0.624 ¹

¹ P_u / φP_n controls

Top Guy Pull-Off Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T10	120 - 100	1" S.R. w/ 1" S.R. Crosby Clipped	0.00	0.40	0.000	0.00	0.40	0.000

Top Guy Pull-Off Interaction Design Data

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Section No.	Elevation ft	Size	Ratio P_u	Ratio M_{ux}	Ratio M_{uy}	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T10	120 - 100	1" S.R. w/ 1" S.R. Crosby Clipped	0.624	0.000	0.000	0.624 ¹	1.000	4.8.1 ✓

¹ P_u / ϕP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L_u ft	Kl/r	A in ²	P_u K	ϕP_n K	Ratio P_u ϕP_n
T1	288 - 280 (697)	C15x33.9	4.00	3.92	52.1	9.9600	3.66	322.70	0.011
T1	288 - 280 (698)	C15x33.9	4.00	3.92	52.1	9.9600	3.77	322.70	0.012
T1	288 - 280 (701)	C15x33.9	4.00	3.92	52.1	9.9600	3.65	322.70	0.011
T1	288 - 280 (702)	C15x33.9	4.00	3.92	52.1	9.9600	3.81	322.70	0.012
T1	288 - 280 (705)	C15x33.9	4.00	3.92	52.1	9.9600	3.68	322.70	0.011
T1	288 - 280 (706)	C15x33.9	4.00	3.92	52.1	9.9600	3.91	322.70	0.012
T3	260 - 240 (709)	C15x33.9	4.00	3.91	51.9	9.9600	3.81	322.70	0.012
T3	260 - 240 (710)	C15x33.9	4.00	3.91	51.9	9.9600	3.85	322.70	0.012
T3	260 - 240 (713)	C15x33.9	4.00	3.91	51.9	9.9600	3.79	322.70	0.012
T3	260 - 240 (714)	C15x33.9	4.00	3.91	51.9	9.9600	3.91	322.70	0.012
T3	260 - 240 (717)	C15x33.9	4.00	3.91	51.9	9.9600	3.85	322.70	0.012
T3	260 - 240 (718)	C15x33.9	4.00	3.91	51.9	9.9600	3.97	322.70	0.012
T5	220 - 200 (721)	C15x33.9	4.00	3.90	51.8	9.9600	4.01	322.70	0.012
T5	220 - 200 (722)	C15x33.9	4.00	3.90	51.8	9.9600	4.04	322.70	0.013
T5	220 - 200 (725)	C15x33.9	4.00	3.90	51.8	9.9600	4.32	322.70	0.013
T5	220 - 200 (726)	C15x33.9	4.00	3.90	51.8	9.9600	4.36	322.70	0.014
T5	220 - 200 (729)	C15x33.9	4.00	3.90	51.8	9.9600	4.09	322.70	0.013
T5	220 - 200 (730)	C15x33.9	4.00	3.90	51.8	9.9600	4.15	322.70	0.013
T7	180 - 160 (733)	C15x33.9	4.00	3.89	51.6	9.9600	4.38	322.70	0.014
T7	180 - 160 (734)	C15x33.9	4.00	3.89	51.6	9.9600	4.45	322.70	0.014
T7	180 - 160 (737)	C15x33.9	4.00	3.89	51.6	9.9600	4.78	322.70	0.015
T7	180 - 160 (738)	C15x33.9	4.00	3.89	51.6	9.9600	4.77	322.70	0.015
T7	180 - 160 (741)	C15x33.9	4.00	3.89	51.6	9.9600	4.57	322.70	0.014
T7	180 - 160 (742)	C15x33.9	4.00	3.89	51.6	9.9600	4.39	322.70	0.014
T10	120 - 100 (745)	C15x33.9	4.00	3.89	51.6	9.9600	5.01	322.70	0.016
T10	120 - 100 (746)	C15x33.9	4.00	3.89	51.6	9.9600	4.86	322.70	0.015
T10	120 - 100 (749)	C15x33.9	4.00	3.89	51.6	9.9600	5.07	322.70	0.016
T10	120 - 100 (750)	C15x33.9	4.00	3.89	51.6	9.9600	5.46	322.70	0.017
T10	120 - 100 (753)	C15x33.9	4.00	3.89	51.6	9.9600	6.28	322.70	0.019
T10	120 - 100 (754)	C15x33.9	4.00	3.89	51.6	9.9600	4.56	322.70	0.014
T13	60 - 40 (757)	C15x33.9	4.00	3.88	51.5	9.9600	3.32	322.70	0.010
T13	60 - 40 (758)	C15x33.9	4.00	3.88	51.5	9.9600	3.45	322.70	0.011
T13	60 - 40 (761)	C15x33.9	4.00	3.88	51.5	9.9600	3.24	322.70	0.010
T13	60 - 40 (762)	C15x33.9	4.00	3.88	51.5	9.9600	3.66	322.70	0.011
T13	60 - 40 (765)	C15x33.9	4.00	3.88	51.5	9.9600	3.25	322.70	0.010
T13	60 - 40 (766)	C15x33.9	4.00	3.88	51.5	9.9600	3.72	322.70	0.012

Torque-Arm Top Bending Design Data

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Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M_{uy} kip-ft	ϕM_{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T1	288 - 280 (697)	C15x33.9	-60.12	135.28	0.444	0.00	12.60	0.000
T1	288 - 280 (698)	C15x33.9	-59.72	135.28	0.441	0.00	12.60	0.000
T1	288 - 280 (701)	C15x33.9	-55.14	135.28	0.408	-0.00	12.60	0.000
T1	288 - 280 (702)	C15x33.9	-59.47	135.28	0.440	0.00	12.60	0.000
T1	288 - 280 (705)	C15x33.9	-54.93	135.28	0.406	-0.00	12.60	0.000
T1	288 - 280 (706)	C15x33.9	-60.32	135.28	0.446	0.00	12.60	0.000
T3	260 - 240 (709)	C15x33.9	-57.47	135.33	0.425	0.00	12.60	0.000
T3	260 - 240 (710)	C15x33.9	-57.14	135.33	0.422	0.00	12.60	0.000
T3	260 - 240 (713)	C15x33.9	-52.03	135.33	0.384	-0.00	12.60	0.000
T3	260 - 240 (714)	C15x33.9	-56.84	135.33	0.420	-0.00	12.60	0.000
T3	260 - 240 (717)	C15x33.9	-51.78	135.33	0.383	-0.00	12.60	0.000
T3	260 - 240 (718)	C15x33.9	-57.66	135.33	0.426	0.00	12.60	0.000
T5	220 - 200 (721)	C15x33.9	-53.25	135.39	0.393	0.00	12.60	0.000
T5	220 - 200 (722)	C15x33.9	-52.98	135.39	0.391	0.00	12.60	0.000
T5	220 - 200 (725)	C15x33.9	-47.22	135.39	0.349	-0.00	12.60	0.000
T5	220 - 200 (726)	C15x33.9	-52.55	135.39	0.388	-0.00	12.60	0.000
T5	220 - 200 (729)	C15x33.9	-46.99	135.39	0.347	-0.00	12.60	0.000
T5	220 - 200 (730)	C15x33.9	-53.45	135.39	0.395	0.00	12.60	0.000
T7	180 - 160 (733)	C15x33.9	-46.05	135.44	0.340	-0.00	12.60	0.000
T7	180 - 160 (734)	C15x33.9	-46.94	135.44	0.347	0.00	12.60	0.000
T7	180 - 160 (737)	C15x33.9	-46.13	135.44	0.341	-0.00	12.60	0.000
T7	180 - 160 (738)	C15x33.9	-39.68	135.44	0.293	-0.00	12.60	0.000
T7	180 - 160 (741)	C15x33.9	-39.95	135.44	0.295	-0.00	12.60	0.000
T7	180 - 160 (742)	C15x33.9	-46.55	135.44	0.344	0.00	12.60	0.000
T10	120 - 100 (745)	C15x33.9	-35.53	135.44	0.262	-0.00	12.60	0.000
T10	120 - 100 (746)	C15x33.9	-36.72	135.44	0.271	0.00	12.60	0.000
T10	120 - 100 (749)	C15x33.9	-35.54	135.44	0.262	-0.00	12.60	0.000
T10	120 - 100 (750)	C15x33.9	-28.26	135.44	0.209	-0.00	12.60	0.000
T10	120 - 100 (753)	C15x33.9	-28.34	135.44	0.209	-0.00	12.60	0.000
T10	120 - 100 (754)	C15x33.9	-36.35	135.44	0.268	0.00	12.60	0.000
T13	60 - 40 (757)	C15x33.9	-13.51	135.50	0.100	-0.00	12.60	0.000
T13	60 - 40 (758)	C15x33.9	-13.30	135.50	0.098	-0.00	12.60	0.000
T13	60 - 40 (761)	C15x33.9	-10.09	135.50	0.074	0.00	12.60	0.000
T13	60 - 40 (762)	C15x33.9	-13.03	135.50	0.096	0.00	12.60	0.000
T13	60 - 40 (765)	C15x33.9	-9.92	135.50	0.073	-0.00	12.60	0.000
T13	60 - 40 (766)	C15x33.9	-13.56	135.50	0.100	0.00	12.60	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T1	288 - 280 (697)	C15x33.9	0.011	0.444	0.000	0.450	1.000	4.8.1 ✓
T1	288 - 280 (698)	C15x33.9	0.012	0.441	0.000	0.447	1.000	4.8.1 ✓
T1	288 - 280 (701)	C15x33.9	0.011	0.408	0.000	0.413	1.000	4.8.1 ✓
T1	288 - 280 (702)	C15x33.9	0.012	0.440	0.000	0.445	1.000	4.8.1 ✓
T1	288 - 280 (705)	C15x33.9	0.011	0.406	0.000	0.412	1.000	4.8.1 ✓
T1	288 - 280 (706)	C15x33.9	0.012	0.446	0.000	0.452	1.000	4.8.1 ✓

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Section No.	Elevation ft	Size	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T3	260 - 240 (709)	C15x33.9	0.012	0.425	0.000	0.431	1.000	4.8.1 ✓
T3	260 - 240 (710)	C15x33.9	0.012	0.422	0.000	0.428	1.000	4.8.1 ✓
T3	260 - 240 (713)	C15x33.9	0.012	0.384	0.000	0.390	1.000	4.8.1 ✓
T3	260 - 240 (714)	C15x33.9	0.012	0.420	0.000	0.426	1.000	4.8.1 ✓
T3	260 - 240 (717)	C15x33.9	0.012	0.383	0.000	0.389	1.000	4.8.1 ✓
T3	260 - 240 (718)	C15x33.9	0.012	0.426	0.000	0.432	1.000	4.8.1 ✓
T5	220 - 200 (721)	C15x33.9	0.012	0.393	0.000	0.400	1.000	4.8.1 ✓
T5	220 - 200 (722)	C15x33.9	0.013	0.391	0.000	0.398	1.000	4.8.1 ✓
T5	220 - 200 (725)	C15x33.9	0.013	0.349	0.000	0.355	1.000	4.8.1 ✓
T5	220 - 200 (726)	C15x33.9	0.014	0.388	0.000	0.395	1.000	4.8.1 ✓
T5	220 - 200 (729)	C15x33.9	0.013	0.347	0.000	0.353	1.000	4.8.1 ✓
T5	220 - 200 (730)	C15x33.9	0.013	0.395	0.000	0.401	1.000	4.8.1 ✓
T7	180 - 160 (733)	C15x33.9	0.014	0.340	0.000	0.347	1.000	4.8.1 ✓
T7	180 - 160 (734)	C15x33.9	0.014	0.347	0.000	0.353	1.000	4.8.1 ✓
T7	180 - 160 (737)	C15x33.9	0.015	0.341	0.000	0.348	1.000	4.8.1 ✓
T7	180 - 160 (738)	C15x33.9	0.015	0.293	0.000	0.300	1.000	4.8.1 ✓
T7	180 - 160 (741)	C15x33.9	0.014	0.295	0.000	0.302	1.000	4.8.1 ✓
T7	180 - 160 (742)	C15x33.9	0.014	0.344	0.000	0.350	1.000	4.8.1 ✓
T10	120 - 100 (745)	C15x33.9	0.016	0.262	0.000	0.270	1.000	4.8.1 ✓
T10	120 - 100 (746)	C15x33.9	0.015	0.271	0.000	0.279	1.000	4.8.1 ✓
T10	120 - 100 (749)	C15x33.9	0.016	0.262	0.000	0.270	1.000	4.8.1 ✓
T10	120 - 100 (750)	C15x33.9	0.017	0.209	0.000	0.217	1.000	4.8.1 ✓
T10	120 - 100 (753)	C15x33.9	0.019	0.209	0.000	0.219	1.000	4.8.1 ✓
T10	120 - 100 (754)	C15x33.9	0.014	0.268	0.000	0.275	1.000	4.8.1 ✓
T13	60 - 40 (757)	C15x33.9	0.010	0.100	0.000	0.105	1.000	4.8.1 ✓
T13	60 - 40 (758)	C15x33.9	0.011	0.098	0.000	0.104	1.000	4.8.1 ✓

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Section No.	Elevation ft	Size	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T13	60 - 40 (761)	C15x33.9	0.010	0.074	0.000	0.079 ✓	1.000	4.8.1 ✓
T13	60 - 40 (762)	C15x33.9	0.011	0.096	0.000	0.102 ✓	1.000	4.8.1 ✓
T13	60 - 40 (765)	C15x33.9	0.010	0.073	0.000	0.078 ✓	1.000	4.8.1 ✓
T13	60 - 40 (766)	C15x33.9	0.012	0.100	0.000	0.106 ✓	1.000	4.8.1 ✓

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	323 - 288	Pole	P10.75x0.843	1	-4.06	415.23	15.2	Pass
T1	288 - 280	Leg	2	2	-31.83	78.19	40.7	Pass
T2	280 - 260	Leg	2	22	-33.33	90.61	36.8	Pass
T3	260 - 240	Leg	2 1/4	72	-67.22	125.90	53.4	Pass
T4	240 - 220	Leg	2 1/4	118	-67.59	125.90	53.7	Pass
T5	220 - 200	Leg	2 1/2	166	-98.23	166.16	59.1	Pass
T6	200 - 180	Leg	2 1/2	215	-103.79	166.16	62.5	Pass
T7	180 - 160	Leg	2 3/4	262	-127.37	211.24	60.3	Pass
T8	160 - 140	Leg	2 1/2	311	-132.91	166.16	80.0	Pass
T9	140 - 120	Leg	2 3/4	360	-137.19	211.24	64.9	Pass
T10	120 - 100	Leg	2 3/4	408	-160.34	211.24	75.9	Pass
T11	100 - 80	Leg	3	456	-179.60	261.02	68.8	Pass
T12	80 - 60	Leg	3	504	-186.53	261.02	71.5	Pass
T13	60 - 40	Leg	3	552	-198.11	261.02	75.9	Pass
T14	40 - 20	Leg	3	600	-198.11	261.02	75.9	Pass
T15	20 - 6.75	Leg	3	648	-196.66	263.00	74.8	Pass
T16	6.75 - 0	Leg	3	680	-202.63	285.39	71.0	Pass
T1	288 - 280	Diagonal	1 3/8	20	-2.17	21.86	9.9	Pass
T2	280 - 260	Diagonal	1 3/8	33	-2.05	24.17	8.5	Pass
T3	260 - 240	Diagonal	1 3/8	108	-4.57	24.37	18.8	Pass
T4	240 - 220	Diagonal	1 3/8	127	-4.32	24.37	17.7	Pass
T5	220 - 200	Diagonal	1 1/2	205	-6.60	32.55	20.3	Pass
T6	200 - 180	Diagonal	1 1/4	225	-8.40	17.63	47.7	Pass
T7	180 - 160	Diagonal	1 1/2	294	-9.56	32.77	29.2	Pass
T8	160 - 140	Diagonal	1 3/8	354	-4.72	24.57	19.2	Pass
T9	140 - 120	Diagonal	1 1/4	369	-5.83	17.80	32.8	Pass
T10	120 - 100	Diagonal	1 1/2	415	-13.74	32.77	41.9	Pass
T11	100 - 80	Diagonal	1 3/8	498	-13.47	24.96	54.0	Pass
T12	80 - 60	Diagonal	1 1/4	546	-4.35	17.98	24.2	Pass
T13	60 - 40	Diagonal	1 1/4	589	-5.74	17.98	32.0	Pass
T14	40 - 20	Diagonal	1 1/4	608	-6.45	17.98	35.9	Pass
T15	20 - 6.75	Diagonal	1 1/4	656	-7.24	18.22	39.7	Pass
T1	288 - 280	Horizontal	1	15	-3.23	12.27	26.3	Pass
T2	280 - 260	Horizontal	1	63	-0.37	12.27	3.0	Pass
T3	260 - 240	Horizontal	1	111	-4.49	12.38	36.3	Pass
T4	240 - 220	Horizontal	1	133	0.69	25.45	2.7	Pass
T5	220 - 200	Horizontal	1	207	-7.25	12.48	58.1	Pass
T6	200 - 180	Horizontal	1	229	-1.95	12.48	15.7	Pass
T7	180 - 160	Horizontal	1	284	-10.23	12.59	81.3	Pass
T8	160 - 140	Horizontal	1	351	1.04	25.45	4.1	Pass
T9	140 - 120	Horizontal	1	373	1.23	25.45	4.8	Pass
T10	120 - 100	Horizontal	1	433	1.72	25.45	6.8	Pass

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Section No.	Elevation ft	Component Type	Size	Critical Element	P K	θP_{allow} K	% Capacity	Pass Fail
T11	100 - 80	Horizontal	1	468	2.65	25.45	10.4	Pass
T12	80 - 60	Horizontal	1	531	1.66	25.45	6.5	Pass
T13	60 - 40	Horizontal	1	591	-4.87	12.70	38.3	Pass
T14	40 - 20	Horizontal	1	620	1.76	25.45	6.9	Pass
T15	20 - 6.75	Horizontal	1	673	1.68	25.45	6.6	Pass
T16	6.75 - 0	Horizontal	9x3/8	687	0.09	109.35	1.0	Pass
T1	288 - 280	Secondary Horizontal	1	21	-0.00	17.94	0.1	Pass
T2	280 - 260	Secondary Horizontal	1	69	-0.00	17.94	0.1	Pass
T3	260 - 240	Secondary Horizontal	1	103	-0.00	17.96	0.1	Pass
T4	240 - 220	Secondary Horizontal	1	165	-0.00	17.96	0.1	Pass
T5	220 - 200	Secondary Horizontal	1	178	0.00	25.45	0.1	Pass
T6	200 - 180	Secondary Horizontal	1	226	0.00	25.45	0.1	Pass
T7	180 - 160	Secondary Horizontal	1	274	0.00	25.45	0.1	Pass
T8	160 - 140	Secondary Horizontal	1	322	0.00	25.45	0.1	Pass
T9	140 - 120	Secondary Horizontal	1	370	0.00	25.45	0.1	Pass
T10	120 - 100	Secondary Horizontal	1	418	0.00	25.45	0.1	Pass
T11	100 - 80	Secondary Horizontal	1	466	0.00	25.45	0.1	Pass
T12	80 - 60	Secondary Horizontal	1	542	0.00	25.45	0.1	Pass
T13	60 - 40	Secondary Horizontal	1	590	0.00	25.45	0.1	Pass
T14	40 - 20	Secondary Horizontal	1	638	0.00	25.45	0.1	Pass
T15	20 - 6.75	Secondary Horizontal	1	672	-0.00	18.05	0.1	Pass
T1	288 - 280	Top Girt	1	7	6.65	25.45	26.1	Pass
T2	280 - 260	Top Girt	1	25	1.39	25.45	5.5	Pass
T3	260 - 240	Top Girt	1	75	2.04	25.45	8.0	Pass
T4	240 - 220	Top Girt	1	121	-0.62	12.38	5.0	Pass
T5	220 - 200	Top Girt	1	171	2.21	25.45	8.7	Pass
T6	200 - 180	Top Girt	1	218	-0.58	12.48	4.6	Pass
T7	180 - 160	Top Girt	1	267	-1.67	12.59	13.2	Pass
T8	160 - 140	Top Girt	1	315	-0.69	12.48	5.5	Pass
T9	140 - 120	Top Girt	1	363	0.61	25.45	2.4	Pass
T10	120 - 100	Top Girt	1	411	-0.91	12.59	7.3	Pass
T11	100 - 80	Top Girt	1	459	-2.04	12.70	16.1	Pass
T12	80 - 60	Top Girt	1	507	0.87	25.45	3.4	Pass
T13	60 - 40	Top Girt	1	554	1.15	25.45	4.5	Pass
T14	40 - 20	Top Girt	1	601	0.86	25.45	3.4	Pass
T15	20 - 6.75	Top Girt	1	650	-0.79	12.70	6.2	Pass
T16	6.75 - 0	Top Girt	12x3/8	685	29.90	145.80	20.5	Pass
T1	288 - 280	Bottom Girt	1	10	-1.89	12.27	15.4	Pass
T2	280 - 260	Bottom Girt	1	30	-1.30	12.27	10.6	Pass
T3	260 - 240	Bottom Girt	1	78	-0.65	12.38	5.2	Pass
T4	240 - 220	Bottom Girt	1	126	-1.65	12.38	13.4	Pass
T5	220 - 200	Bottom Girt	1	172	-0.66	12.48	5.3	Pass
T6	200 - 180	Bottom Girt	1	222	-1.52	12.48	12.2	Pass
T7	180 - 160	Bottom Girt	1	270	-1.03	12.59	8.2	Pass
T8	160 - 140	Bottom Girt	1	317	0.48	25.45	1.9	Pass
T9	140 - 120	Bottom Girt	1	366	-0.72	12.59	5.7	Pass
T10	120 - 100	Bottom Girt	1	414	-2.33	12.59	18.5	Pass
T11	100 - 80	Bottom Girt	1	462	1.23	25.45	4.8	Pass
T12	80 - 60	Bottom Girt	1	509	0.88	25.45	3.5	Pass
T13	60 - 40	Bottom Girt	1	558	0.96	25.45	3.8	Pass
T14	40 - 20	Bottom Girt	1	605	1.33	25.45	5.2	Pass
T15	20 - 6.75	Bottom Girt	1	654	4.79	25.45	18.8	Pass
T1	288 - 280	Guy A@284	3/4	704	17.84	34.98	51.0	Pass
T3	260 - 240	Guy A@256.5	3/4	716	17.60	34.98	50.3	Pass
T5	220 - 200	Guy A@216.5	3/4	728	17.34	34.98	49.6	Pass
T7	180 - 160	Guy A@166.75	3/4	740	17.80	34.98	50.9	Pass
T10	120 - 100	Guy A@106.75	3/4	752	18.62	34.98	53.2	Pass
T13	60 - 40	Guy A@56.5	7/16	764	8.04	12.48	64.4	Pass
T1	288 - 280	Guy B@284	3/4	699	16.78	34.98	48.0	Pass
T3	260 - 240	Guy B@256.5	3/4	711	16.49	34.98	47.1	Pass
T5	220 - 200	Guy B@216.5	3/4	723	16.17	34.98	46.2	Pass

tnxTower Centek Engineering Inc. 63-2 North Branford Rd. Branford, CT 06405 Phone: (203) 488-0580 FAX: (203) 488-8587	Job	Page
	21007.33 - Storrs	91 of 91
	Project 327' Guyed Tower - N. Eagleville Road Storrs, CT	Date 14:39:32 11/04/21
	Client Verizon	Designed by TJL

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T7	180 - 160	Guy B@166.75	3/4	735	17.06	34.98	48.8	Pass
T10	120 - 100	Guy B@106.75	3/4	747	18.00	34.98	51.5	Pass
T13	60 - 40	Guy B@56.5	7/16	759	7.86	12.48	63.0	Pass
T1	288 - 280	Guy C@284	3/4	696	17.70	34.98	50.6	Pass
T3	260 - 240	Guy C@256.5	3/4	708	17.47	34.98	50.0	Pass
T5	220 - 200	Guy C@216.5	3/4	720	17.23	34.98	49.3	Pass
T7	180 - 160	Guy C@166.75	3/4	731	17.66	34.98	50.5	Pass
T10	120 - 100	Guy C@106.75	3/4	744	18.34	34.98	52.4	Pass
T13	60 - 40	Guy C@56.5	7/16	756	7.98	12.48	63.9	Pass
T10	120 - 100	Top Guy Pull-Off@106.75	1" S.R. w/ 1" S.R. Crosby Clipped	428	-13.91	17.88	77.8	Pass
T1	288 - 280	Torque Arm Top@284	C15x33.9	706	3.91	322.70	45.2	Pass
T3	260 - 240	Torque Arm Top@256.5	C15x33.9	718	3.97	322.70	43.2	Pass
T5	220 - 200	Torque Arm Top@216.5	C15x33.9	730	4.15	322.70	40.1	Pass
T7	180 - 160	Torque Arm Top@166.75	C15x33.9	734	4.45	322.70	35.3	Pass
T10	120 - 100	Torque Arm Top@106.75	C15x33.9	746	-5.64	280.44	27.9	Pass
T13	60 - 40	Torque Arm Top@56.5	C15x33.9	766	3.72	322.70	10.6	Pass
						Summary		
						Pole (L1)	15.2	Pass
						Leg (T8)	80.0	Pass
						Diagonal (T11)	54.0	Pass
						Horizontal (T7)	81.3	Pass
						Secondary Horizontal (T1)	0.1	Pass
						Top Girt (T1)	26.1	Pass
						Bottom Girt (T15)	18.8	Pass
						Guy A (T13)	64.4	Pass
						Guy B (T13)	63.0	Pass
						Guy C (T13)	63.9	Pass
						Top Guy Pull-Off (T10)	77.8	Pass
						Torque Arm Top (T1)	45.2	Pass
						Bolt Checks	25.2	Pass
						RATING =	81.3	Pass

Guyed Tower Base Foundation:

Input Data:

Tower Data

Shear Force = Shear := 6-kip (User Input from tnxTower)
Axial Force = Axial := 572-kip (User Input from tnxTower)
Tower Height = $H_t := 323\text{-ft}$ (User Input)

Footing Data:

Overall Depth of Footing = $D_f := 4\text{-ft}$ (User Input)
Length of Pier = $L_p := 2.5\text{-ft}$ (User Input)
Extension of Pier Above Grade = $L_{pag} := 0.5\text{-ft}$ (User Input)
Diameter of Pier = $D_p := 3.0\text{-ft}$ (User Input)
Width of Pad = $W_{pad} := 10\text{-ft}$ (User Input)
Thickness of Pad = $t_{pad} := 2.0\text{-ft}$ (User Input)

Material Properties:

Concrete Compressive Strength = $f_c := 3000\text{-psi}$ (User Input)
Steel Reinforcement Yield Strength = $f_y := 60000\text{-psi}$ (User Input)
Internal Friction Angle of Soil = $\Phi_s := 30\text{-deg}$ (User Input)
Ultimate Soil Bearing Capacity = $q_s := 11000\text{-psf}$ (User Input)
Unit Weight of Soil = $\gamma_{soil} := 120\text{-pcf}$ (User Input)
Unit Weight of Concrete = $\gamma_{conc} := 150\text{-pcf}$ (User Input)
Foundation Bouyancy = Bouyancy := 0 (User Input) (Yes=1 / No=0)
Depth to Neglect = $n := 0\text{-ft}$ (User Input)
Cohesion of Clay Type Soil = $c := 0\text{-ksf}$ (User Input) (Use 0 for Sandy Soil)
Seismic Zone Factor = $Z := 2$ (User Input)
Coefficient of Friction Between Concrete = $\mu := 0.45$ (User Input)

Calculated Factors:

Coefficient of Lateral Soil Pressure = $K_p := \frac{1 + \sin(\Phi_s)}{1 - \sin(\Phi_s)} = 3$

Load Factor = $LF := \begin{cases} 1.333 & \text{if } H_t \leq 700\text{-ft} \\ 1.7 & \text{if } H_t \geq 1200\text{-ft} \\ 1.333 + \left(\frac{H_t - 700\text{ft}}{1200\text{ft} - 700\text{ft}} \right) \cdot 0.4 & \text{otherwise} \end{cases} = 1.333$

Stability of Footing:

Adjusted Concrete Unit Weight =

$$\gamma_c := \text{if}(\text{Bouyancy} = 1, \gamma_{\text{conc}} - 62.4 \text{pcf}, \gamma_{\text{conc}}) = 150 \text{pcf}$$

Adjusted Soil Unit Weight =

$$\gamma_s := \text{if}(\text{Bouyancy} = 1, \gamma_{\text{soil}} - 62.4 \text{pcf}, \gamma_{\text{soil}}) = 120 \text{pcf}$$

Passive Pressure =

$$P_{\text{top}} := 0$$

$$P_{\text{bot}} := K_p \cdot \gamma_s \cdot D_f + c \cdot 2 \cdot \sqrt{K_p} = 1.44 \text{ksf}$$

$$P_{\text{ave}} := \frac{P_{\text{top}} + P_{\text{bot}}}{2} = 0.72 \text{ksf}$$

$$A_p := D_p \cdot L_p = 7.5$$

Soil Shear Resistance =

$$Sl_1 := P_{\text{ave}} \cdot A_p = 5.4 \text{kip}$$

Weight of Concrete =

$$WT_c := \left(\frac{1}{4} \cdot \pi \cdot D_p^2 \cdot L_p + W_{\text{pad}}^2 \cdot t_{\text{pad}} \right) \cdot \gamma_c = 32.65 \text{kip}$$

Total Weight =

$$WT_{\text{tot}} := WT_c + \text{Axial} = 604.65 \text{kip}$$

Soil/Concrete Friction Resistance =

$$Sl_2 := \mu \cdot WT_{\text{tot}} = 272.09 \text{kips}$$

Total Sliding Resistance =

$$Sl_{\text{tot}} := Sl_1 + Sl_2 = 277.49 \text{kips}$$

Sliding Resistance Ratio =

$$\text{Sliding_Resistance_ratio} := \frac{0.75 Sl_{\text{tot}}}{\text{Shear}} = 34.69$$

$$\text{Sliding_Resistance_Check} := \text{if} \left(\frac{\text{Shear}}{0.75 Sl_{\text{tot}}} < 1.0, \text{"Okay"}, \text{"No Good"} \right)$$

$$\text{Sliding_Resistance_Check} = \text{"Okay"}$$

Bearing Pressure Caused by Footing:

Maximum Pressure in Mat =

$$P_{\text{max}} := \frac{WT_{\text{tot}}}{W_{\text{pad}}} = 6.05 \text{ksf}$$

$$\text{Max_Pressure_Check} := \text{if}(P_{\text{max}} < 0.6 q_s, \text{"Okay"}, \text{"No Good"})$$

$$\text{Max_Pressure_Check} = \text{"Okay"}$$

Job : Verizon ~ Storrs: 327-ft Guyed Lattice Tower
Address: North Eagleville Rd., Storrs, CT
Description: Guy Anchor Evaluation

Project No. 21007.33
Computed by TJL
Checked by CFC

Sheet 1 of 2
Date 11/4/21
Date

CHECK UPLIFT RESISTANCE

ANCHOR (A) AT 235.0 ft RADIUS

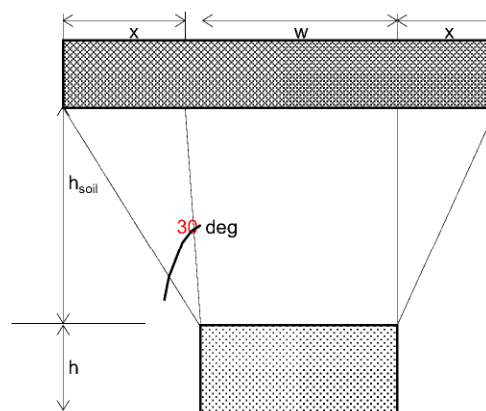
RESULTS FROM COMPUTER ANALYSIS:

Uplift = 111 kips
Sliding = 134 kips
Wdepth = 50 ft

CONCRETE PARAMETERS:

$\gamma_{\text{conc}} = 150$ pcf
 $\gamma_{\text{conc.sub}} = 87.6$ pcf
 $w = 4.5$ ft
 $h = 4$ ft
 $d = 24$ ft

Vol. = 432.00 ft³
Vol.sub = 0.00 ft³
 $W_c = 64.80$ kips
 $\phi = 0.90$
58.32



Foundation Section

SOIL PARAMETERS:

$\gamma_{\text{soil}} = 120$ pcf
 $\gamma_{\text{soil.sub}} = 57.6$ pcf
 $h_{\text{soil}} = 8$ ft
 $x = 4.62$ ft

Soil Weight (Wr):

B1 = 108.00
B2 = 108.00
B3 = 456.61

W.soil = 251.73 kips
W.soil.sub = 0.00 kips
Total = 251.73 kips
 $\phi = 0.75$
188.80

SF AGAINST SLIDING

2.23 > 1 OK

GUY ANCHORS AGAINST UPLIFT ARE ADEQUATE

Job : Verizon ~ Storrs: 327-ft Guyed Lattice Tower
Address: North Eagleville Rd., Storrs, CT
Description: Guy Anchor Evaluation

Project No. 21007.33
Computed by TJL
Checked by CFC

Sheet 2 of 2
Date 11/4/21
Date

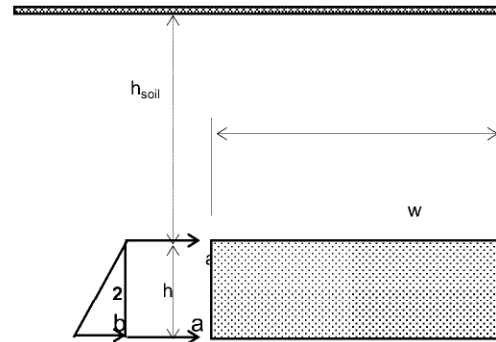
CHECK SLIDING RESISTANCE

SOIL PARAMETERS

$\gamma_{soil} = 120$ pcf
 $\gamma_{soil} = 57.6$ pcf
 $h_{soil} = 8$ ft
 $h = 4$ ft
 $\phi = 30$ degrees

ANCHOR PARAMETERS

$w = 4.5$ ft
 $h = 4.0$ ft
 $d = 24.0$ ft



Foundation Elevation View

$$K_p = 3.00$$

HORIZONTAL FORCES

RESIST TO SLIDING =

2.88 ksf
4.32 ksf
345.60 k

SOIL & CONCRETE WEIGHT =
UPLIFT REACTIONS =
SUM =

$W_r + W_c = 247.12$ k
-111 k
136.12 k

COEF. OF FRICTION, (0.45) =
RESIST TO SLIDING =
SUM =

61.25 k
345.60 k
406.85 k

SF AGAINST SLIDING

$$SF = 3.0 > 1 \quad \text{OK}$$

GUY ANCHORS AGAINST SLIDING ARE ADEQUATE



EAST > North East > New England > New England West > **STORRS CT**
Brauer, Mark - mark.brauer2@verizonwireless.com - 4/7/2021 16:2:2

Project Details		Location Information	
Carrier Aggregation: false		Site ID: 324933	
MPT Id:		E-NodeB ID: 064225	
eCIP-O: false		PSLC: 468927	
Project Name: 5G 850MHz - Carrier Add		Switch Name: Wallingford 1	
FUZE Project ID: 16499984		Tower Owner:	
Designed Sector Carrier 4G: 19		Tower Type: Self Support (Lattice Tower)	
Designed Sector Carrier 5G: 4		Site Type: MACRO	
Additional Sector Carrier 4G: N/A		Street Address: 82 North Eagleville Rd. UCONN Campus	
Additional Sector Carrier 5G: N/A		City: Storrs Mansfield	
SiteTraker Project Id:		State: CT	
FP Solution Type & Tech Type: MODIFICATION:4G_Radio Swap.5G_850.5G_vDU		Zip Code: 06268	
add - Sub3		County: Tolland	
Suffix:		Latitude: 41.813889 / 41° 48' 50.0004" N	
		Longitude: -72.259444 / 72° 15' 33.9984" W	

RFDS Project Scope: Sub 6 add
CBRS add
Samsung RRH upgrade
Will require duplexers to break apart 700/850 low band for existing JAHH antennas

Antenna Summary

Added														
700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity
					5G	Samsung	MT6407-77A	85	86.5	0(A) 120(B) 190(C) 280(D)	false	false	PHYSICAL	4
										10(A) 110(B) 190(C) 280(D)	false	false	PHYSICAL	4
Removed														
700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity
No data available.														
Retained														
700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Centerline	Tip Height	Azimuth	RET	4xRx	Inst. Type	Quantity
LTE	5G	LTE	LTE			ANDREW	JAHH-65B-R3B	83.6	86.6	10(A) 280(D)	false	false	PHYSICAL	4
	CDMA					ANTEL	BXA-80063/4 (97250)	83.6	85.7	0(D1) 270(D3)	false	false	PHYSICAL	3
LTE	5G	LTE	LTE			COMMSCOPE	JAHH-45B-R3B	83.6	86.6	120(B) 190(C)	false	false	PHYSICAL	4

Equipment Summary

Added

Equipment Type	Location	700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity
Diplexer	Tower							Comscope	CBC78T-DS-43-2x			PHYSICAL	4
RRU	Tower			LTE	LTE			Samsung	B2/B66A RRH-BR049 (RFV0IU-D1A)			PHYSICAL	4
RRU	Tower	LTE	5G					Samsung	B5/B13 RRH-BR04C (RFV0IU-D2A)			PHYSICAL	4
RRU	Tower					LTE		Samsung	CBRS RRH - RT 4401-48A			PHYSICAL	4
RRU	Tower						5G	Samsung	MT6407-77A			PHYSICAL	4

Removed

Equipment Type	Location	700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity
RRU	Tower		LTE					Nokia	AHCA AirScale RRH 4T4R B5 160W			PHYSICAL	4
RRU	Tower	LTE						Nokia	UHBA B13 RRH 4x30			PHYSICAL	4
RRU	Tower			LTE				Nokia	UHFA B25 RRH 4x30			PHYSICAL	4
RRU	Tower			LTE				Nokia	UHFA B25 RRH 4x30			PHYSICAL	4
RRU	Tower				LTE			Nokia	UHIE B66A RRH 4x45			PHYSICAL	4

Retained

Equipment Type	Location	700	850	1900	AWS	CBRS	L-Sub6	Make	Model	Cable Length	Cable Size	Install Type	Quantity
Mount	Tower							Commscope	BASMT-SBS-2-2			PHYSICAL	2
Mount	Tower							Commscope	BASMT-SBS-2-3			PHYSICAL	2
Hybrid Cable	Tower								12x24			PHYSICAL	2
OVP Box	Tower								OVP-12			PHYSICAL	2
Coaxial Cables	Tower											PHYSICAL	6

Service Info

700 MHz LTE		0000		5GLS		
Sector	01	02	03	01	02	03
Cell / ENode B ID	10	120	190	10	120	190
Antenna Model	064225	064225	064225	064225	064225	064225
	JAHH-65B-R3B	JAHH-45B-R3B	JAHH-45B-R3B	JAHH-65B-R3B	JAHH-45B-R3B	JAHH-45B-R3B
Antenna Make	ANDREW	COMMSCOPE	COMMSCOPE	ANDREW	COMMSCOPE	COMMSCOPE
Antenna Centerline(Ft)	83.6	83.6	83.6	83.6	83.6	83.6
Mechanical Down-Tilt(Deg.)	0	0	0	0	0	0
Electrical Down-Tilt	3	8	8	3	8	8
Tip Height	86.6	86.6	86.6	86.6	86.6	86.6
Regulatory Power	106.09	169.34	169.34	70.09	111.88	111.88
Total ERP (W)						
TMA Make						
TMA Model						
RRU Make	Nokia	Nokia	Nokia	Samsung	Samsung	Samsung
RRU Model	UHBA B13 RRH 4x30	UHBA B13 RRH 4x30	UHBA B13 RRH 4x30	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)	B5/B13 RRH-BR04C (RFV01U-D2A)
Number of Tx, Rx Lines	2,4	2,4	2,4	4,4	4,4	4,4
Position						
Transmitter Id	1955729	1955730	1952381	10134462	10134466	10134470
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API
	04			04		
	280			280		
	064225			064225		
	JAHH-65B-R3B			JAHH-65B-R3B		
	ANDREW			ANDREW		
	83.6			83.6		
	0			0		
	4			4		
	86.6			86.6		
	106.55			70.4		
	Nokia			Samsung		
	UHBA B13 RRH 4x30			B5/B13 RRH-BR04C (RFV01U-D2A)		
	2,4			4,4		
	1955913			10134474		
	ATOLL_API			ATOLL_API		

		0000	
Sector	01	02	03
Azimuth	10	120	190
Cell / ENode B ID	064225	064225	064225
Antenna Model	JAHH-65B-R3B	JAHH-45B-R3B	JAHH-45B-R3B
Antenna Make	ANDREW	COMMSCOPE	COMMSCOPE
Antenna Centerline(Ft)	83.6	83.6	83.6
Mechanical Down-Tilt(Deg.)	0	0	0
Electrical Down-Tilt	2	2	2
Tip Height	86.6	86.6	86.6
Regulatory Power	128.36	209.18	209.18
Total ERP (W)			
TMA Make			
TMA Model			
RRU Make	Nokia	Nokia	Nokia
RRU Model	AHCA AirScale RRH 4T4R B5 160W	AHCA AirScale RRH 4T4R B5 160W	AHCA AirScale RRH 4T4R B5 160W
Number of Tx, Rx Lines	2,4	2,4	2,4
Position			
Transmitter Id	1947585	1959883	1954606
Source	ATOLL_API	ATOLL_API	ATOLL_API
		04	
		280	
		064225	
		JAHH-65B-R3B	
		ANDREW	
		83.6	
		0	
		2	
		86.6	
		128.36	
		Nokia	
		AHCA AirScale RRH 4T4R B5 160W	
		2,4	
		1947586	
		ATOLL_API	

		0000		5GLS	
Sector		D1	D2	D1	D2
Antenna Model					
Cell / ENode B ID	BXA-80063/4 (97250)	0	180	0	180
Antenna Make	ANTEL	ANTEL	ANTEL	ANTEL	ANTEL
Antenna Centerline(Ft)	83.6	83.6	83.6	83.6	83.6
Mechanical Down-Tilt(Deg.)	4	4	4	4	4
Electrical Down-Tilt	0	0	0	0	0
Tip Height	85.7	85.7	85.7	85.7	85.7
Regulatory Power	415.91	415.91	415.91	415.91	415.91
Total ERP (W)					
TMA Make					
TMA Model					
RRU Make					
RRU Model					
Number of Tx, Rx Lines					
Position					
Transmitter Id					
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API

Sector		5G LS	
Azimuth		0001	0002
Cell / ENode B ID		10	120
Antenna Model		0649225	0649225
		JAHH-65B-R3B	JAHH-45B-R3B
Antenna Make		ANDREW	COMMSCOPE
Antenna Centerline(Ft)		83.6	83.6
Mechanical Down-Tilt(Deg.)		0	0
Electrical Down-Tilt		2	2
Tip Height		86.6	86.6
Regulatory Power		201.81	328.88
Total ERP (W)			
TMA Make			
TMA Model			
RRU Make			
RRU Model			
Number of Tx, Rx Lines			
Position			
Transmitter Id			
Source			
		Samsung	Samsung
B5/B13 RRH-BR04C (RFV01U-D2A)		4,4	B5/B13 RRH-BR04C (RFV01U-D2A)
			4,4
		10134518	10134519
		ATOLL_API	ATOLL_API
		0004	
		280	
		0649225	
		JAHH-65B-R3B	
		ANDREW	
		83.6	
		0	
		2	
		86.6	
		201.81	
		Samsung	Samsung
B5/B13 RRH-BR04C (RFV01U-D2A)		4,4	B5/B13 RRH-BR04C (RFV01U-D2A)
			4,4
		10134625	10134520
		ATOLL_API	ATOLL_API

Sector Azimuth	0000			5GLS		
	01	02	03	01	02	03
Cell / ENode B ID	10	120	190	10	120	190
Antenna Model	064225	064225	064225	064225	064225	064225
	JAHH-65B-R3B	JAHH-45B-R3B	JAHH-45B-R3B	JAHH-65B-R3B	JAHH-45B-R3B	JAHH-45B-R3B
Antenna Make	ANDREW	COMMSCOPE	COMMSCOPE	ANDREW	COMMSCOPE	COMMSCOPE
Antenna Centerline(Ft)	83.6	83.6	83.6	83.6	83.6	83.6
Mechanical Down-Tilt(Deg.)	0	0	0	0	0	0
Electrical Down-Tilt	2	0	0	2	0	0
Tip Height	86.6	86.6	86.6	86.6	86.6	86.6
Regulatory Power	210.89	309.57	309.57	278.01	408.09	408.09
Total ERP (W)						
TMA Make						
TMA Model						
RRU Model	Nokia	Nokia	Nokia	Samsung	Samsung	Samsung
Number of Tx, Rx Lines	UHFA B25 RRH 4x30	UHFA B25 RRH 4x30	UHFA B25 RRH 4x30	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)	B2/B66A RRH-BR049 (RFV01U-D1A)
Position	1955914	1955916	1949602	10134463	10134467	10134471
Source	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API	ATOLL_API
	04			04		
	280			280		
	064225			064225		
	JAHH-65B-R3B			JAHH-65B-R3B		
	ANDREW			ANDREW		
	83.6			83.6		
	0			0		
	1			1		
	86.6			86.6		
	204.62			269.75		
	Nokia			Samsung		
	UHFA B25 RRH 4x30			B2/B66A RRH-BR049 (RFV01U-D1A)		
	2.4			4.4		
	1954604			10134475		
	ATOLL_API			ATOLL_API		

Sector		5GLS	
Azimuth		19	20
Cell / ENode B ID		10	110
Antenna Model		064225	064225
		XXDWMW-12.5-65	XXDWMW-12.5-65
Antenna Make		Samsung	Samsung
Antenna Centerline(Ft)		81.6	81.6
Mechanical Down-Tilt(Deg.)		0	0
Electrical Down-Tilt		8	8
Tip Height		82	82
Regulatory Power		8.08	8.08
Total ERP (W)			
TMA Make			
TMA Model			
RRU Make			
RRU Model			
Number of Tx, Rx Lines			
Position			
Transmitter Id			
Source			
		Samsung	Samsung
CBRS RRH - RT4401-48A		4,4	CBRS RRH - RT4401-48A
			4,4
		10134647	10134648
ATOLL_API		ATOLL_API	ATOLL_API
		22	
		280	
		064225	
XXDWMW-12.5-65			
		Samsung	
		81.6	
		0	
		8	
		82	
		8.08	
		Samsung	Samsung
CBRS RRH - RT4401-48A		4,4	CBRS RRH - RT4401-48A
			4,4
		10134667	10134649
ATOLL_API		ATOLL_API	ATOLL_API

		5GLS	
Sector	0001	0002	0003
Azimuth	0	120	190
Cell / ENode B ID	0649225	0649225	0649225
Antenna Model	MT6407-77A	MT6407-77A	MT6407-77A
Antenna Make	Samsung	Samsung	Samsung
Antenna Centerline(Ft)	85	85	85
Mechanical Down-Tilt(Deg.)	0	0	0
Electrical Down-Tilt	6	6	6
Tip Height	86.5	86.5	86.5
Regulatory Power	1247.92	1247.92	1247.92
Total ERP (W)			
TMA Make			
TMA Model			
RRU Make			
RRU Model			
Number of Tx, Rx Lines			
Position			
Transmitter Id			
Source			
	Samsung	Samsung	Samsung
	MT6407-77A	MT6407-77A	MT6407-77A
	4,4	4,4	4,4
	10134848	10134849	10134850
	ATOLL_API	ATOLL_API	ATOLL_API
	0004		
	280		
	0649225		
	MT6407-77A		
	Samsung		
	85		
	0		
	6		
	86.5		
	1247.92		
	Samsung		
	MT6407-77A		
	4,4		
	10134913		
	ATOLL_API		

Service Comments

Callsigns Per Antenna

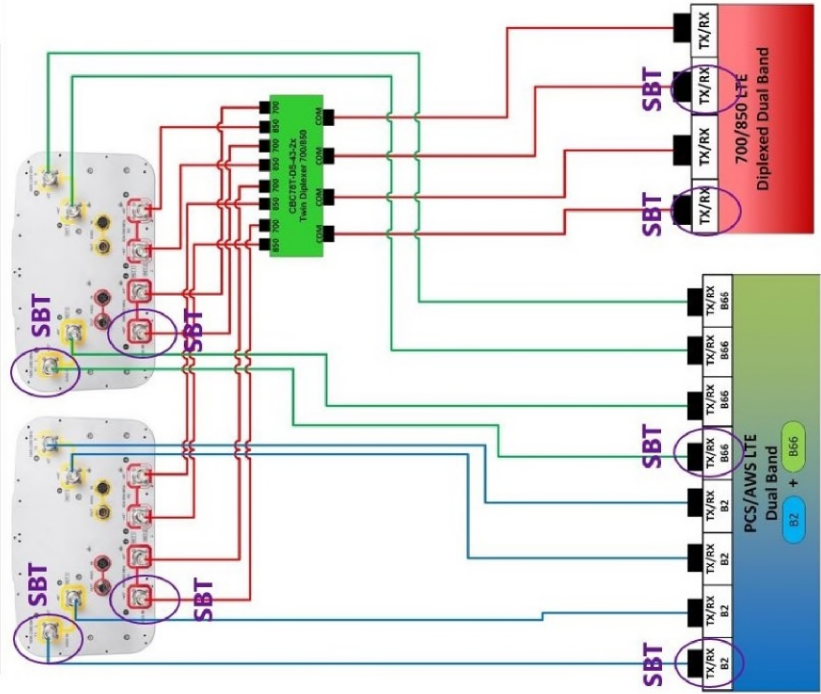
Sector	Antenna Mz	Antenna Mc	Ant CL Height AGL	Tip Height	Azimuth (T)	Electrical Tilt	Mechanical Tilt	Gain	Beamwidth	Regulatory Power	Callsigns	850	1900	2100	28 GHz	31 GHz	39 GHz
No data available.																	

Callsigns

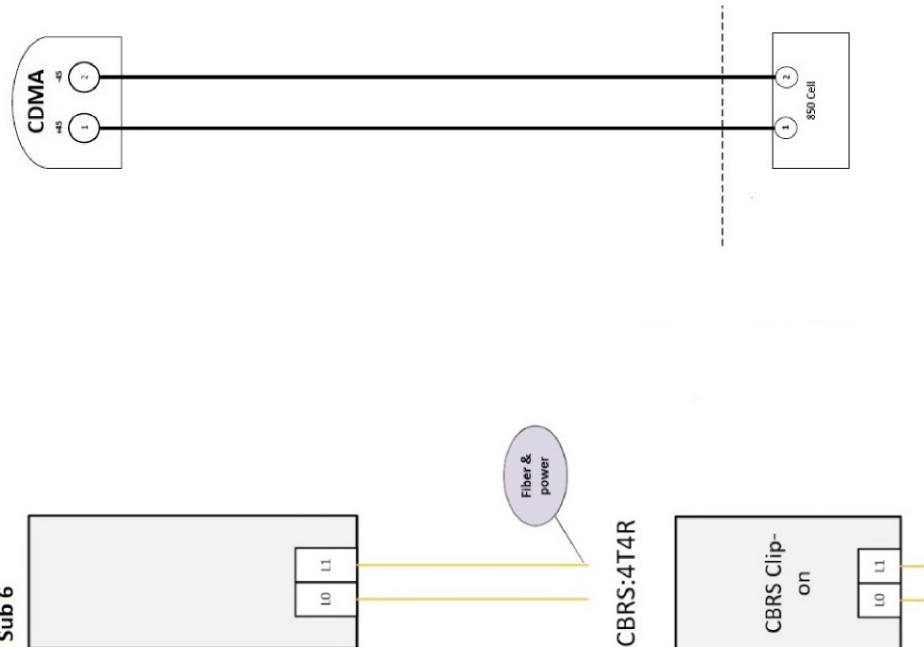
Callsign	Market	Radio Code	Market Number	Block	State	County	Licensee Name	Wholly Owned	Total MHz	Freq Range 1	Freq Range 2	Freq Range 3	Freq Range 4	Regulatory Power	Threshold (W)	POPs/Sq Mi	Status	Action	Approved for Insvc
WQJQ689	Northeast	WU	REA001	C	CT	Tolland	Calico Partnership	Yes	22.000	746.000-757.000	776.000-787.000	.000-.000	.000-.000	111.88	1000	372.22	Active	retained	Yes
KNKA404	Hartford-New Britain-Bristol, CT	CL	CMA032	A	CT	Tolland	Calico Partnership	Yes	25.000	824.000-835.000	869.000-880.000	845.000-846.500	890.000-891.500	415.91	500	372.22	Active	added	Yes
WPOJ730	Hartford, CT	CW	BTA184	C	CT	Tolland	Calico Partnership	Yes	15.000	1895.000-1902.500	1975.000-1982.500	.000-.000	.000-.000	408.09	1640	372.22	Active	added	Yes
KNLH251	Hartford, CT	CW	BTA184	F	CT	Tolland	Calico Partnership	Yes	10.000	1890.000-1895.000	1970.000-1975.000	.000-.000	.000-.000	408.09	1640	372.22	Active	added	Yes
CBRS_CALL	UNLICENSE	3.5 GHz	UNLICENSE	UNLICENSE	CT	Tolland	UNLICENSE	UNLICENSE	UNLICENSE	UNLICENSED-UNLICENSE	UNLICENSED-UNLICENSE	UNLICENSED-UNLICENSE	UNLICENSED-UNLICENSE	8.08		372.22	Active	added	No
WQGB276	Hartford-New Britain-Bristol, CT	AW	CMA032	A	CT	Tolland	Calico Partnership	Yes	20.000	1710.000-1720.000	2110.000-2120.000	.000-.000	.000-.000	211.95	1640	372.22	Active	retained	Yes
WQGA906	New York-New Jer.-Long Island, NY-NJ-CT-PA-MA-	AW	BEA010	B	CT	Tolland	Calico Partnership	Yes	20.000	1720.000-1730.000	2120.000-2130.000	.000-.000	.000-.000	211.95	1640	372.22	Active	retained	Yes
WPOH943	Hartford, CT	LD	BTA184	A	CT	Tolland	Calico Partnership	Yes	300.000	2980.000-29850.000	30075.000-30285.000	.000-.000	.000-.000			372.22	Active		No
WPLM398	Hartford, CT	LD	BTA184	B	CT	Tolland	Calico Partnership	Yes	150.000	3000.000-30075.000	30225.000-30300.000	.000-.000	.000-.000			372.22	Active		No
WRBA712	Hartford, CT	UU	BTA184	L1	CT	Tolland	Calico Partnership	Yes	325.000	2750.000-27580.000	27700.000-27825.000	.000-.000	.000-.000			372.22	Active		Yes
WRBA713	Hartford, CT	UU	BTA184	L2	CT	Tolland	Calico Partnership	Yes	325.000	2755.000-28250.000	28450.000-28550.000	.000-.000	.000-.000			372.22	Active		Yes
WRHD609	New York, NY	UU	PEA001	M1	CT	Tolland	Straight Path um, LLC	Yes	100.000	37000.000-37700.000	.000-.000	.000-.000	.000-.000			372.22	Active		Yes
WRHD610	New York, NY	UU	PEA001	M10	CT	Tolland	Straight Path um, LLC	Yes	100.000	38500.000-38600.000	.000-.000	.000-.000	.000-.000			372.22	Active		Yes
WRHD611	New York, NY	UU	PEA001	M2	CT	Tolland	Straight Path um, LLC	Yes	100.000	37700.000-37800.000	.000-.000	.000-.000	.000-.000			372.22	Active		Yes

WRHD612	New York, NY	UU	PEA001	M3	CT	Tolland	Straight Path um, LLC	Yes	100,000	37500,000-37500,000	.000-.000	.000-.000	.000-.000	372.22	Active	Yes
WRHD613	New York, NY	UU	PEA001	M4	CT	Tolland	Straight Path um, LLC	Yes	100,000	37500,000-38500,000	.000-.000	.000-.000	.000-.000	372.22	Active	Yes
WRHD614	New York, NY	UU	PEA001	M5	CT	Tolland	Straight Path um, LLC	Yes	100,000	38500,000-38500,000	.000-.000	.000-.000	.000-.000	372.22	Active	Yes
WRHD615	New York, NY	UU	PEA001	M6	CT	Tolland	Straight Path um, LLC	Yes	100,000	38500,000-38500,000	.000-.000	.000-.000	.000-.000	372.22	Active	Yes
WRHD616	New York, NY	UU	PEA001	M7	CT	Tolland	Straight Path um, LLC	Yes	100,000	38500,000-38500,000	.000-.000	.000-.000	.000-.000	372.22	Active	Yes
WRHD617	New York, NY	UU	PEA001	M8	CT	Tolland	Straight Path um, LLC	Yes	100,000	38500,000-38500,000	.000-.000	.000-.000	.000-.000	372.22	Active	Yes
WRHD618	New York, NY	UU	PEA001	M9	CT	Tolland	Straight Path um, LLC	Yes	100,000	38500,000-38500,000	.000-.000	.000-.000	.000-.000	372.22	Active	Yes
WRHD619	New York, NY	UU	PEA001	N1	CT	Tolland	Straight Path um, LLC	Yes	100,000	38500,000-38700,000	.000-.000	.000-.000	.000-.000	372.22	Active	No

2 JAHH Octo Port Antennas



Sub 6





Maser Consulting Connecticut
2000 Midlantic Drive Suite 100
Mt. Laurel, NJ 08054
856.797.0412
peter.albano@colliersengineering.com

Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount ReAnalysis-VZW

SMART Tool Project #: 10110801
Maser Consulting Connecticut Project #: 21781092A (Rev. 3)

November 29, 2021

Site Information

Site ID: 468927-VZW / STORRS CT
Site Name: STORRS CT
Carrier Name: Verizon Wireless
Address: 82 North Eagleville Rd. UConn Campus
Storrs Mansfield, Connecticut 06268
Tolland County
Latitude: 41.813889°
Longitude: -72.259444°

Structure Information

Tower Type: 292-Ft Guyed
Mount Type: 14.42-FT Platform

FUZE ID # 16499984

Analysis Results

Platform: 79.6% Pass*

*Results valid after hardware upgrades noted in the PMI Requirements are installed.

***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 may also be Noted on A & E drawings

For additional questions and support, please reach out to:

pmisupport@colliersengineering.com

Report Prepared By: Nathan LaPorte



Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 324933, dated April 7, 2021
Mount Mapping Report	Hudson Design Group, LLC, Site ID: 468927, dated June 22, 2021
Previous Mount Analysis	Maser Consulting Connecticut Project #: 21781092A, dated September 8, 2021
Construction Drawings	Centek Engineering Job #: 21007.33, dated October 4, 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 : 0.975
Seismic Parameters:	S_s : 0.19 g S_1 : 0.06 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
84.00	85.00	4	Samsung	MT6407-77A	Added
	81.60	4	Samsung	XXDWMM-12.5-65-8T-CBRS	
	83.60	4	CommScope	CBC78T-DS-43-2X	
		6	Samsung	B2/B66A RRH-BR049	
		6	Samsung	B5/B13 RRH-BR04C	
		4	CommScope	JAAH-65B-R3B	Retained
		3	Antel	BXA-80063/4	
		4	CommScope	JAAH-45B-R3B	
		2	Raycap	RHSDC-66627-PF-48*	

* Equipment to be flush mounted directly to the Guyed. They are not mounted on Platform mounts and are not included in this mount analysis.

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

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

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Pipe Bracing	33.5%	Pass
Antenna Pipe	79.6%	Pass
Cross Angle	59.7%	Pass
Face Bracing	9.6%	Pass
Standoff Bracing	35.9%	Pass
Standoff Arm	53.3%	Pass
Face Angle	74.0%	Pass
Corner Angle	28.9%	Pass
Mount Connection	17.3 %	Pass

Structure Rating – (Controlling Utilization of all Components)	79.6%
---	--------------

Recommendation:

The existing mount will be **SUFFICIENT** for the final loading configuration upon the completion of the recommendations listed in the Special Instructions section of the below referenced PMI document.

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:

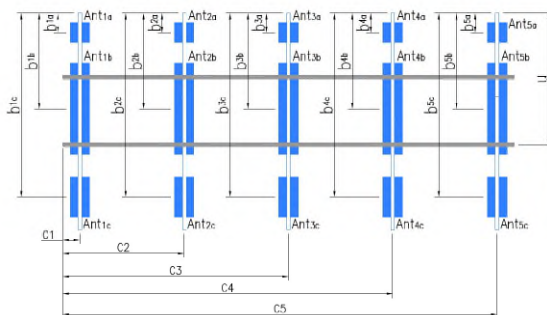
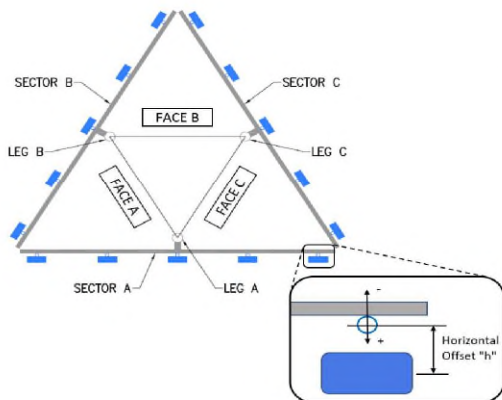
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
4. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter



ECC

Tower Owner:	UCONN	Mapping Date:	6/22/2021
Site Name:	STORRS CT	Tower Type:	Self Support
Site Number or ID:	468927	Tower Height (Ft.):	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	83.75

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.



Antenna Layout (Looking Out From Tower)

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE MAST X 96" LONG	58.00	0.00	C1	2" STD. PIPE MAST X 96" LONG	58.00	0.00
A2	2" STD. PIPE MAST X 72" LONG	43.00	11.00	C2	2" STD. PIPE MAST X 72" LONG	43.00	11.00
A3	2" STD. PIPE MAST X 72" LONG	43.00	35.00	C3	2" STD. PIPE MAST X 72" LONG	43.00	35.00
A4	2" STD. PIPE MAST X 96" LONG	58.00	59.00	C4	2" STD. PIPE MAST X 96" LONG	58.00	59.00
A5	2" STD. PIPE MAST X 72" LONG	43.00	83.00	C5	2" STD. PIPE MAST X 96" LONG	58.00	83.00
A6	2" STD. PIPE MAST X 96" LONG	58.00	131.00	C6	2" STD. PIPE MAST X 96" LONG	58.00	107.00
B1	2" STD. PIPE MAST X 72" LONG	43.00	155.00	D1	2" STD. PIPE MAST X 72" LONG	43.00	131.00
B2	2" STD. PIPE MAST X 96" LONG	58.00	0.00	D2	2" STD. PIPE MAST X 72" LONG	43.00	155.00
B3	2" STD. PIPE MAST X 72" LONG	43.00	11.00	D3			
B4	2" STD. PIPE MAST X 72" LONG	43.00	35.00	D4			
B5	2" STD. PIPE MAST X 96" LONG	58.00	131.00	D5			
B6	2" STD. PIPE MAST X 72" LONG	43.00	155.00	D6			
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :							15.00
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 information or comments below.							
Tower Face Width at Mount Elev. (ft.):		3.5	Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				3
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							

[illegible]



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	UCONN	Mapping Date:	6/22/2021
Site Name:	STORRS CT	Tower Type:	Self Support
Site Number or ID:	468927	Tower Height (Ft.):	
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	83.75

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

Please Insert Sketches of the Antenna Mount

DATE: 06222021

Project Name: COLLIERS

Project No.: STORRS CT

Design By: [Signature] Chk'd By: [Signature]

Page 1 of 2


HUDSON
Design Group LLC

LL = 83'9"

BOT FACE = 82'6" AGC

V-SEP = 30"

LEG = 9 1/2" CIRC

FACE = 41" ID

T-F = 42"

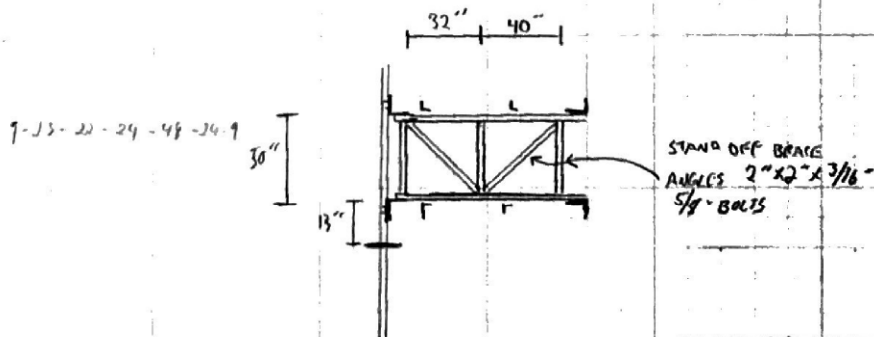
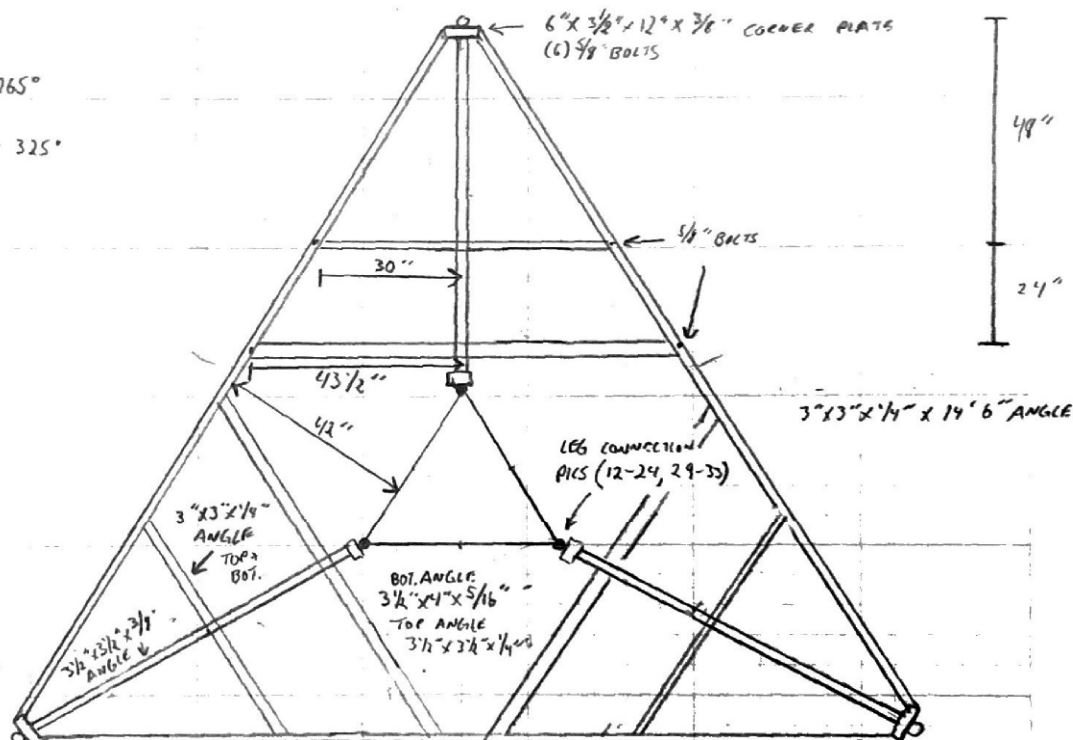
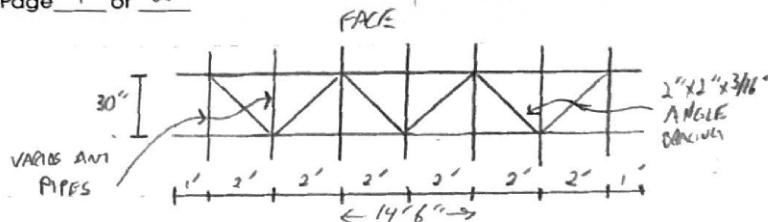
T-A = 76"

LEG A2

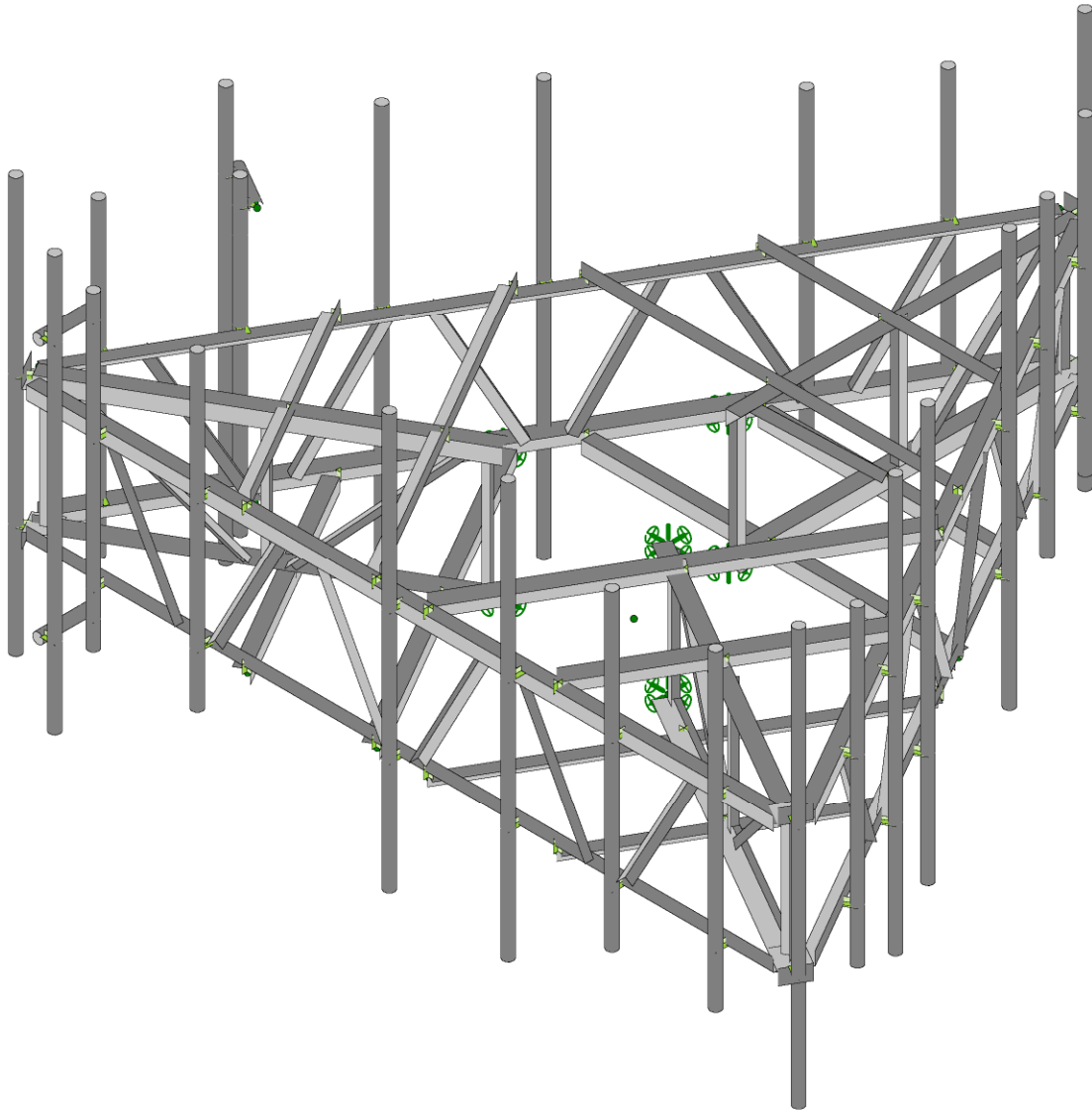
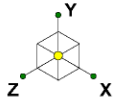
25° - 145° - 265°

FACES

95° - 205° - 325°



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Envelope Only Solution

Maser Consulting

NL

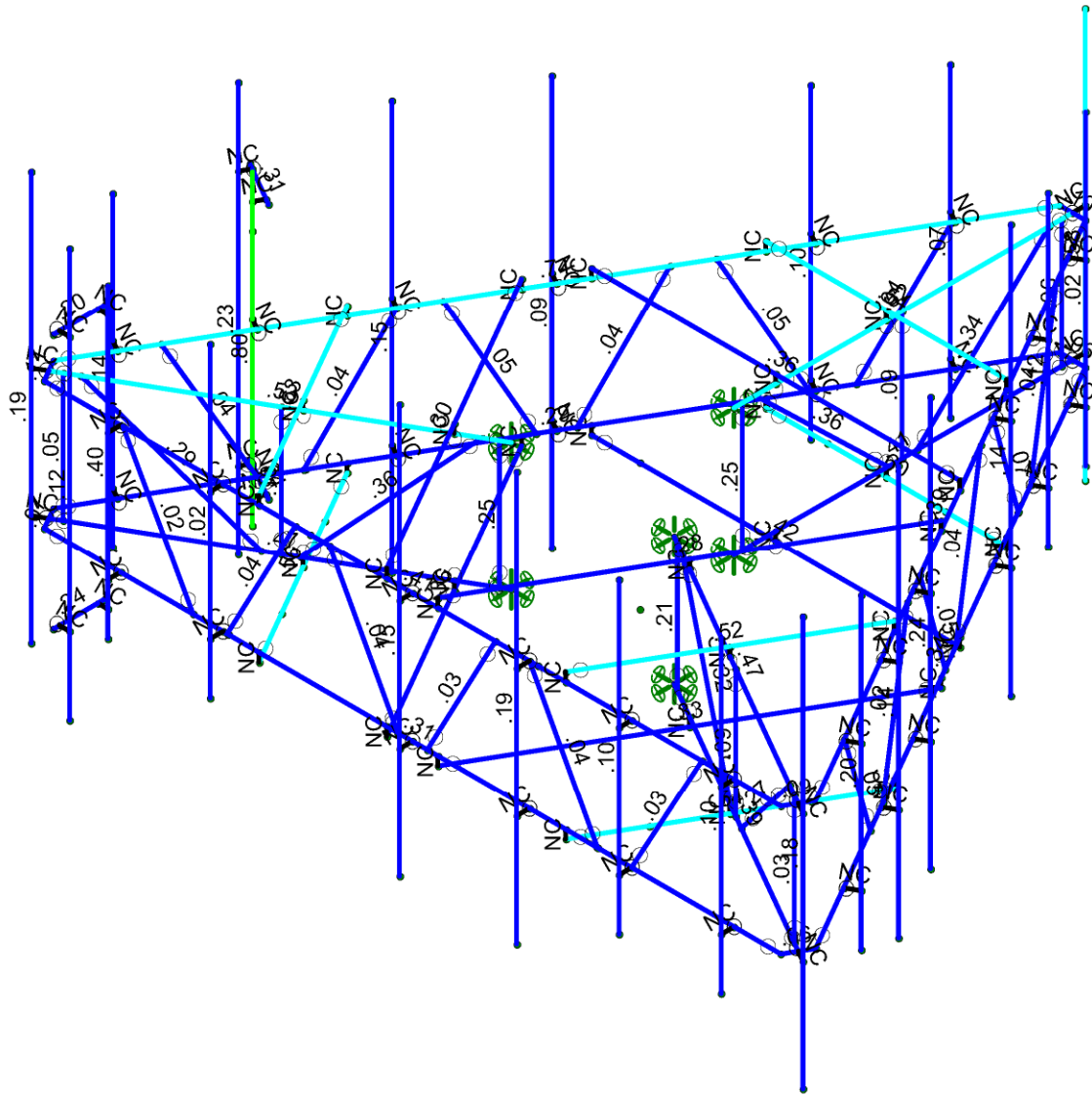
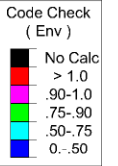
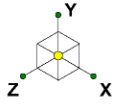
21781092A

Mount Analysis (Rev. 3)

SK - 1

Nov 23, 2021 at 5:47 PM

468927-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting

NL

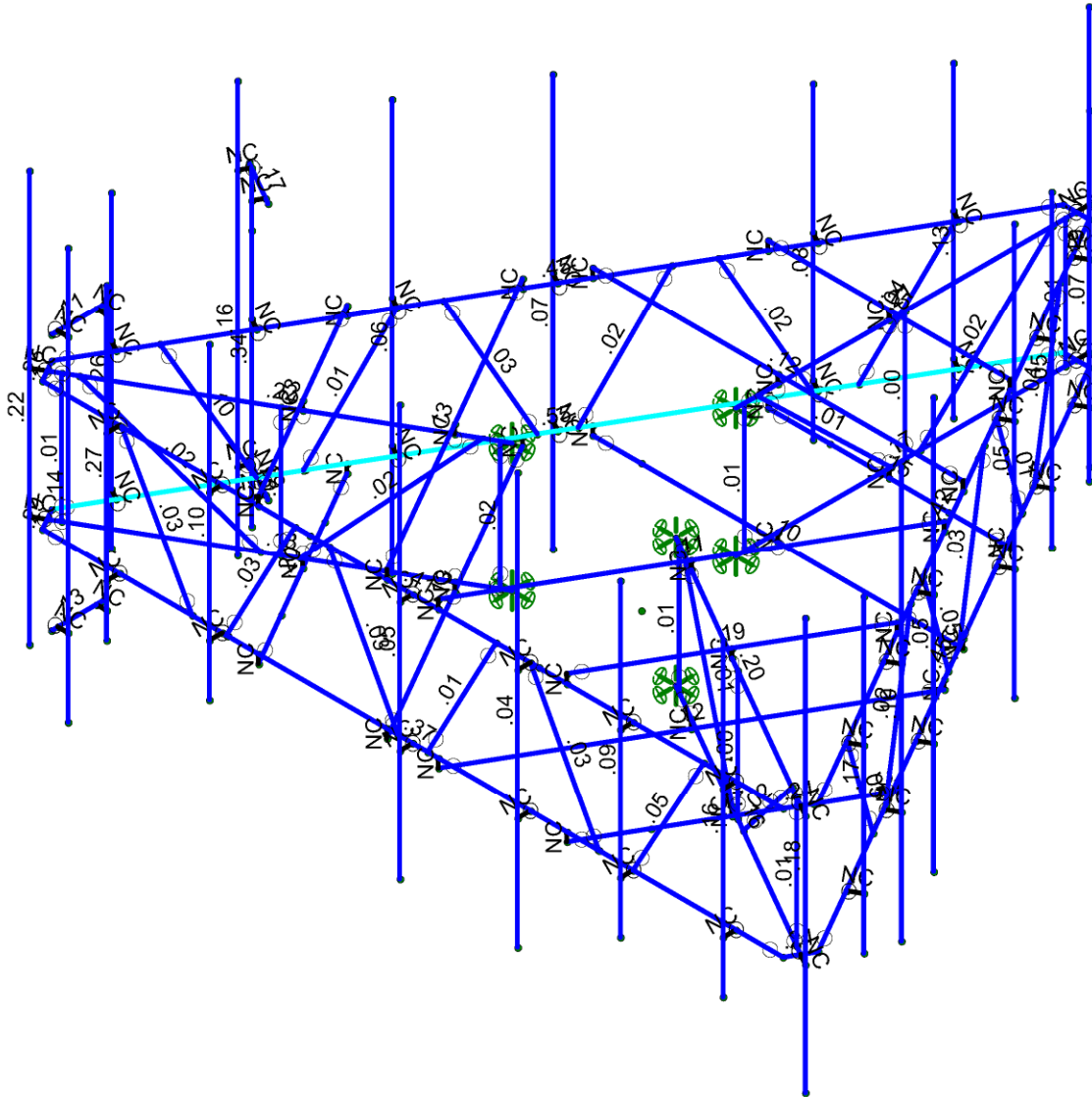
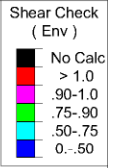
21781092A

Mount Analysis (Rev. 3)

SK - 2

Nov 23, 2021 at 5:47 PM

468927-VZW_MT_LO_H.r3d



Maser Consulting
NL
21781092A

Mount Analysis (Rev. 3)

SK - 3
Nov 23, 2021 at 5:47 PM
468927-VZW_MT_LO_H.r3d

Basic Load Cases

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

Basic Load Cases (Continued)

	BLC Description	Category	X Grav...	Y Grav...	Z Grav...	Joint	Point	Distrib...	Area(M...	Surfac...
57	Structure Wi (120 Deg)	None						180		
58	Structure Wi (150 Deg)	None						180		
59	Structure Wi (180 Deg)	None						180		
60	Structure Wi (210 Deg)	None						180		
61	Structure Wi (240 Deg)	None						180		
62	Structure Wi (270 Deg)	None						180		
63	Structure Wi (300 Deg)	None						180		
64	Structure Wi (330 Deg)	None						180		
65	Structure Wm (0 Deg)	None						180		
66	Structure Wm (30 Deg)	None						180		
67	Structure Wm (60 Deg)	None						180		
68	Structure Wm (90 Deg)	None						180		
69	Structure Wm (120 Deg)	None						180		
70	Structure Wm (150 Deg)	None						180		
71	Structure Wm (180 Deg)	None						180		
72	Structure Wm (210 Deg)	None						180		
73	Structure Wm (240 Deg)	None						180		
74	Structure Wm (270 Deg)	None						180		
75	Structure Wm (300 Deg)	None						180		
76	Structure Wm (330 Deg)	None						180		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					150			
82	Antenna Eh (0 Deg)	None					100			
83	Antenna Eh (90 Deg)	None					100			
84	Structure Ev	ELY		-0.039						
85	Structure Eh (0 Deg)	ELZ	-0.099							
86	Structure Eh (90 Deg)	ELX			.099					
87	BLC 39 Transient Area Loads	None						24		
88	BLC 40 Transient Area Loads	None						24		

Load Combinations

	Description	Solve P...	S...	B...	Fa...	B...	Fa...	BLC Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1										
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1										
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1										
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1										
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1										
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1										
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1										
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1										
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1										
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1										
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1										
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1										
13	1.2D + 1.0Di + 1.0Wi (0 ...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1						
15	1.2D + 1.0Di + 1.0Wi (6...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1						
16	1.2D + 1.0Di + 1.0Wi (9...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1						
17	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1						
18	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1						
19	1.2D + 1.0Di + 1.0Wi (1...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1						
20	1.2D + 1.0Di + 1.0Wi (2...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1						

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	0.	0	0.	0	
2	N2	14.416667	0	-0.	0	
3	N3	0.	2.5	0.	0	
4	N4	14.416667	2.5	-0.	0	
5	N5	2.916667	0	0.	0	
6	N6	3.583334	0	0.	0	
7	N7	6.917	0	-0.	0	
8	N16	9.666667	2.5	-0.	0	
9	N19	1.541667	2.5	0.	0	
10	N21	14.666667	0	-0.433013	0	
11	N22	14.666667	2.5	-0.433013	0	
12	N23	-0.25	0	-0.433013	0	
13	N24	-0.25	2.5	-0.433013	0	
14	N23A	14.541667	2.5	-0.216506	0	
15	N24A	14.541667	0	-0.216506	0	
16	N25	-0.125	2.5	-0.216506	0	
17	N26	-0.125	0	-0.216506	0	
18	N27	5.612418	2.5	-3.529006	0	
19	N28	5.612418	0	-3.529006	0	
20	N29	5.468081	0	-3.445673	0	
21	N30	5.468081	2.5	-3.445673	0	
22	N31	2.761751	0	-1.883173	0	
23	N32	2.761751	2.5	-1.883173	0	
24	N33	0.055422	0	-0.320673	0	
25	N34	0.055422	2.5	-0.320673	0	
26	N35	2.999908	0	-2.020673	0	
27	N36	2.509161	0	-1.73734	0	
28	N37	0.271928	2.5	-0.445673	0	
29	N38	5.251574	2.5	-3.320673	0	
30	N47	14.361245	0	-0.320673	0	
31	N48	14.361245	2.5	-0.320673	0	
32	N51	14.144738	2.5	-0.445673	0	
33	N53	7.208333	2.5	-4.450408	0	
34	N44	7.458333	0	-12.918212	0	
35	N46	7.458333	2.5	-12.918212	0	
36	N61	6.958333	0	-12.918212	0	
37	N62	6.958333	2.5	-12.918212	0	
38	N65	7.208333	2.5	-12.918212	0	
39	N66	7.208333	0	-12.918212	0	
40	N69	8.804248	2.5	-3.529006	0	
41	N70	8.804248	0	-3.529006	0	
42	N71	8.948586	0	-3.445673	0	
43	N72	8.948586	2.5	-3.445673	0	
44	N73	11.654915	0	-1.883173	0	
45	N74	11.654915	2.5	-1.883173	0	
46	N77	11.416758	0	-2.020673	0	
47	N78	11.907506	0	-1.73734	0	
48	N80	9.165092	2.5	-3.320673	0	
49	N81	7.208333	0	-12.709879	0	
50	N82	7.208333	2.5	-12.709879	0	
51	N83	7.208333	2.5	-12.459879	0	
52	N111	7.208333	2.5	-6.293212	0	
53	N112	7.208333	0	-6.293212	0	
54	N113	7.208333	0	-6.459879	0	
55	N114	7.208333	2.5	-6.459879	0	
56	N115	7.208333	0	-9.584879	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
57	N116	7.208333	2.5	-9.584879	0	
58	N119	7.208333	0	-9.309879	0	
59	N120	7.208333	0	-9.876546	0	
60	N122	7.208333	2.5	-6.709879	0	
61	N170	4.208333	0	0.	0	
62	N171	4.208333	2.667	0.	0	
63	N172	10.208333	0	-0.	0	
64	N173	10.208333	2.667	-0.	0	
65	N175	12.5625	0	-4.077536	0	
66	N176	12.5625	2.667	-4.077536	0	
67	N177	9.5625	0	-9.273689	0	
68	N178	9.5625	2.667	-9.273689	0	
69	N180	4.854167	0	-9.273689	0	
70	N181	4.854167	2.667	-9.273689	0	
71	N182	1.854167	0	-4.077536	0	
72	N183	1.854167	2.667	-4.077536	0	
73	N183A	3.03125	0	-2.038768	0	
74	N184	3.03125	2.5	-2.038768	0	
75	N185	11.385417	0	-2.038768	0	
76	N186	11.385417	2.5	-2.038768	0	
77	N187	7.208333	0	-9.273689	0	
78	N188	7.208333	2.5	-9.273689	0	
79	N201	3.03125	2.667	-2.038768	0	
80	N202	11.385417	2.667	-2.038768	0	
81	N203A	7.208333	2.667	-9.273689	0	
82	N204A	4.208333	2.5	0.	0	
83	N205A	10.208333	2.5	-0.	0	
84	N206A	12.5625	2.5	-4.077536	0	
85	N207	9.5625	2.5	-9.273689	0	
86	N208	4.854167	2.5	-9.273689	0	
87	N209	1.854167	2.5	-4.077536	0	
88	N210	4.208333	-0.167033	0.	0	
89	N211	10.208333	-0.167033	-0.	0	
90	N212	12.5625	-0.167033	-4.077536	0	
91	N213	9.5625	-0.167033	-9.273689	0	
92	N214	4.854167	-0.167033	-9.273689	0	
93	N215	1.854167	-0.167033	-4.077536	0	
94	N219	3.03125	-0.167033	-2.038768	0	
95	N220	11.385417	-0.167033	-2.038768	0	
96	N221	7.208333	-0.167033	-9.273689	0	
97	N226	11.962767	-0.167033	-3.038768	0	
98	N227	8.363034	-0.167033	-9.273689	0	
99	N235	6.053633	-0.167033	-9.273689	0	
100	N236	2.4539	-0.167033	-3.038768	0	
101	N116A	3.6086	0	0.	0	
102	N117	10.808066	0	0.	0	
103	N115A	12.862367	0	-3.558152	0	
104	N116B	9.262633	0	-9.793073	0	
105	N118	5.154033	0	-9.793073	0	
106	N119A	1.5543	0	-3.558152	0	
107	N118B	5.583667	2.5	-0.	0	
108	N119B	4.917	2.5	-0.	0	
109	N116C	7.208333	0	-0.	0	
110	N111A	11.5	0	0.	0	
111	N112A	10.833333	0	0.	0	
112	N113A	7.499666	0	-0.	0	
113	N114A	12.875	2.5	0.	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
114	N115B	8.833	2.5	-0.	0	
115	N116D	9.499666	2.5	-0.	0	
116	N117A	13.208333	0	-2.95892	0	
117	N118A	12.875	0	-3.536271	0	
118	N119C	11.208167	0	-6.423311	0	
119	N120A	13.895833	2.5	-1.768135	0	
120	N122A	11.874833	2.5	-5.26861	0	
121	N123	12.208167	2.5	-4.69126	0	
122	N125	8.916667	0	-10.392305	0	
123	N126	9.25	0	-9.814954	0	
124	N127	10.916834	0	-6.927914	0	
125	N128	8.229167	2.5	-11.583089	0	
126	N129	10.250167	2.5	-8.082615	0	
127	N130	9.916834	2.5	-8.659965	0	
128	N131	5.5	0	-10.392305	0	
129	N132	5.166666	0	-9.814954	0	
130	N133	3.499833	0	-6.927914	0	
131	N134	6.1875	2.5	-11.583089	0	
132	N136	4.1665	2.5	-8.082615	0	
133	N137	4.499833	2.5	-8.659965	0	
134	N139	1.208333	0	-2.95892	0	
135	N140	1.541667	0	-3.536271	0	
136	N141	3.2085	0	-6.423311	0	
137	N142	0.520833	2.5	-1.768135	0	
138	N143	2.541833	2.5	-5.26861	0	
139	N144	2.2085	2.5	-4.69126	0	
140	N217	3.6086	-0.167033	-1.038768	0	
141	N219A	10.808066	-0.167033	-1.038768	0	
142	N149	6.708333	0	0.	0	
143	N150	6.708333	2.667	0.	0	
144	N151A	6.708333	2.5	0.	0	
145	N152A	6.708333	-0.167033	0.	0	
146	N153	7.708333	0	-0.	0	
147	N154	7.708333	2.667	-0.	0	
148	N155	7.708333	2.5	-0.	0	
149	N156	7.708333	-0.167033	-0.	0	
150	N173B	7.208333	2.5	-13.168212	0	
151	N174A	7.208333	0	-13.168212	0	
152	N178A	-0.341506	2.5	-0.091506	0	
153	N179	-0.341506	0	-0.091506	0	
154	N183B	14.758173	2.5	-0.091506	0	
155	N184A	14.758173	0	-0.091506	0	
156	N179A	13.5	0	-0.	0	
157	N180A	13.5	2.5	-0.	0	
158	N181A	13.5	0	.25	0	
159	N182B	13.5	2.5	.25	0	
160	N184B	11.5	2.5	-0.	0	
161	N186A	11.5	2.5	.25	0	
162	N186B	9.5	0	0.	0	
163	N188A	9.5	0	.25	0	
164	N189	9.5	2.5	.25	0	
165	N189A	7.208	2.5	-0.	0	
166	N191	7.208333	0	.25	0	
167	N192	7.208333	2.5	.25	0	
168	N192A	3.5	0	-0.	0	
169	N193	3.499666	2.5	-0.	0	
170	N194	3.5	0	.25	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
171	N195	3.5	2.5	.25	0	
172	N196	1.5	0	-0.	0	
173	N197	1.499666	2.5	-0.	0	
174	N198	1.5	0	.25	0	
175	N199	1.5	2.5	.25	0	
176	N196A	14.758173	5.833333	-0.091506	0	
177	N197A	14.758173	-2.166667	-0.091506	0	
178	N198A	13.5	5	.25	0	
179	N199A	13.5	-1	.25	0	
180	N200	11.5	5	.25	0	
181	N202A	9.5	5.833333	.25	0	
182	N203	9.5	-2.166667	.25	0	
183	N204	7.208333	5.833333	.25	0	
184	N205	7.208333	-2.166667	.25	0	
185	N207A	5.208	2.5	-0.	0	
186	N212A	3.5	5	.25	0	
187	N213A	1.5	6	1	0	
188	N214A	3.5	-1	.25	0	
189	N215A	1.5	-2	1	0	
190	N217A	7.208333	5.833333	-13.168212	0	
191	N218	7.208333	-2.166667	-13.168212	0	
192	N220A	-0.341506	5.833333	-0.091506	0	
193	N221A	-0.341506	-2.166667	-0.091506	0	
194	N224	7.916667	0	-12.124356	0	
195	N225	7.916667	2.5	-12.124356	0	
196	N226A	8.133173	0	-12.249356	0	
197	N227A	8.133173	2.5	-12.249356	0	
198	N228	8.916667	2.5	-10.392305	0	
199	N229	9.133173	0	-10.517305	0	
200	N230	9.133173	2.5	-10.517305	0	
201	N237	12.916667	0	-3.464102	0	
202	N238	12.916834	2.5	-3.463813	0	
203	N239	13.133174	0	-3.589102	0	
204	N240	13.133174	2.5	-3.589102	0	
205	N241	13.916667	0	-1.732051	0	
206	N242	13.916834	2.5	-1.731762	0	
207	N243	14.133173	0	-1.857051	0	
208	N244	14.133173	2.5	-1.857051	0	
209	N245	8.133173	5	-12.249356	0	
210	N246	8.133173	-1	-12.249356	0	
211	N247	9.133173	5	-10.517305	0	
212	N248	9.133173	-1	-10.517305	0	
213	N259	13.133173	5.833333	-3.589102	0	
214	N260	14.133173	5	-1.857051	0	
215	N261	13.133173	-2.166667	-3.589102	0	
216	N262	14.133173	-1	-1.857051	0	
217	N267	0.208333	0	-1.226869	0	
218	N268	0.208333	2.5	-1.226869	0	
219	N269	-0.008173	0	-1.351869	0	
220	N270	-0.008173	2.5	-1.351869	0	
221	N271	1.208333	2.5	-2.95892	0	
222	N272	0.991827	0	-3.08392	0	
223	N273	0.991827	2.5	-3.08392	0	
224	N280	5.208333	0	-9.887123	0	
225	N281	5.2085	2.5	-9.887412	0	
226	N282	4.991827	0	-10.012123	0	
227	N283	4.991827	2.5	-10.012123	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
228	N288	-0.008173	5	-1.351869	0	
229	N289	-0.008173	-1	-1.351869	0	
230	N290	0.991827	5	-3.08392	0	
231	N291	0.991827	-1	-3.08392	0	
232	N302	4.991827	5	-10.012123	0	
233	N304	4.991827	-1	-10.012123	0	
234	N276A	12.0625	0	-4.943562	0	
235	N277A	12.062667	2.5	-4.943273	0	
236	N278A	12.279006	0	-5.068562	0	
237	N279A	12.279006	2.5	-5.068562	0	
238	N280A	12.279006	5.833333	-5.068562	0	
239	N281A	12.279006	-2.166667	-5.068562	0	
240	N290A	9.916667	0	-8.660254	0	
241	N291A	10.133173	0	-8.785254	0	
242	N292A	10.133173	2.5	-8.785254	0	
243	N296	10.133173	5.833333	-8.785254	0	
244	N297	10.133173	-2.166667	-8.785254	0	
245	N262A	11.3125	0	-6.2426	0	
246	N263	11.3125	2.667	-6.2426	0	
247	N264	11.3125	2.5	-6.2426	0	
248	N265	11.3125	-0.167033	-6.2426	0	
249	N266	10.8125	0	-7.108625	0	
250	N267A	10.8125	2.667	-7.108625	0	
251	N268A	10.8125	2.5	-7.108625	0	
252	N269A	10.8125	-0.167033	-7.108625	0	
253	N271A	3.604167	0	-7.108625	0	
254	N272A	3.604167	2.667	-7.108625	0	
255	N273A	3.604167	2.5	-7.108625	0	
256	N274	3.604167	-0.167033	-7.108625	0	
257	N275	3.104167	0	-6.2426	0	
258	N276	3.104167	2.667	-6.2426	0	
259	N277	3.104167	2.5	-6.2426	0	
260	N278	3.104167	-0.167033	-6.2426	0	
261	N277B	4.90625	0	-3.1213	0	
262	N278B	4.90625	-0.167033	-3.1213	0	
263	N279	4.90625	2.5	-3.1213	0	
264	N280B	4.90625	2.667	-3.1213	0	
265	N290B	9.510417	0	-3.1213	0	
266	N291B	9.510417	-0.167033	-3.1213	0	
267	N292	9.510417	2.5	-3.1213	0	
268	N293	9.510417	2.667	-3.1213	0	
269	N303A	7.208333	0	-7.108625	0	
270	N304A	7.208333	-0.167033	-7.108625	0	
271	N305A	7.208333	2.5	-7.108625	0	
272	N306	7.208333	2.667	-7.108625	0	
273	N292C	7.208333	0	-4.450408	0	
274	N295	11.5	0	.25	0	
275	N298A	11.5	-1	0.25	0	
276	N321	0.991827	4	-3.08392	0	
277	N302A	3.354167	0	-6.675612	0	
278	N303B	3.354333	2.5	-6.675901	0	
279	N304B	3.13766	0	-6.800612	0	
280	N305C	3.13766	2.5	-6.800612	0	
281	N306A	3.13766	5.83333	-6.800612	0	
282	N307	3.13766	-2.166666	-6.800612	0	
283	N290C	6.208333	0	-11.619174	0	
284	N291C	6.2085	2.5	-11.619463	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
285	N292B	5.991827	0	-11.744174	0	
286	N293B	5.991827	2.5	-11.744174	0	
287	N294	5.991827	5	-11.744174	0	
288	N295B	5.991827	-1	-11.744174	0	
289	N290D	2.208187	0	-4.69007	0	
290	N291D	1.991681	0	-4.81507	0	
291	N292D	1.991681	2.5	-4.81507	0	
292	N293A	1.991681	5.833333	-4.81507	0	
293	N294A	1.991681	-2.166667	-4.81507	0	
294	N294B	1.5	5	.25	0	
295	N295A	1.5	-1	.25	0	
296	N296A	1.5	4.5	.25	0	
297	N297A	1.302083	4.5	.25	0	
298	N298	1.5	4.5	1	0	
299	N299	1.302083	4.5	1	0	
300	N300	1.302083	4.5	.125	0	
301	N301	1.302083	4.5	1.125	0	
302	N302B	1.5	-5	.25	0	
303	N303	1.302083	-5	.25	0	
304	N304C	1.5	-5	1	0	
305	N305	1.302083	-5	1	0	
306	N306B	1.302083	-5	.125	0	
307	N307A	1.302083	-5	1.125	0	
308	N308	0.342308	6	-3.45892	0	
309	N309	0.342308	-2	-3.45892	0	
310	N310	0.991827	4.5	-3.08392	0	
311	N311	1.090785	4.5	-3.255321	0	
312	N312	0.342308	4.5	-3.45892	0	
313	N313	0.441266	4.5	-3.630321	0	
314	N314	1.199038	4.5	-3.192821	0	
315	N315	0.333013	4.5	-3.692821	0	
316	N316	0.991827	-5	-3.08392	0	
317	N317	1.090785	-5	-3.255321	0	
318	N318	0.342308	-5	-3.45892	0	
319	N319	0.441266	-5	-3.630321	0	
320	N320	1.199038	-5	-3.192821	0	
321	N321A	0.333013	-5	-3.692821	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25
2	Mod FH	PIPE 2.5	Beam	Pipe	A53 Gr. B	Typical	1.61	1.45	1.45	2.89
3	Face Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
4	Face Bracing	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
5	Corner Angle	L6X3.5X6	Beam	Single Angle	A36 Gr.36	Typical	3.44	3.33	12.9	.168
6	Standoff Arm	L3.5X3.5X6	Beam	Single Angle	A36 Gr.36	Typical	2.5	2.86	2.86	.123
7	Cross Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
8	Standoff Bracing	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
9	Mod Support Rail ...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Mod Stabilizer	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
11	Pipe Bracing	PIPE 2.0	Beam	Pipe	A53 Gr. B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2		270	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
2	M2	N3	N4		180	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
3	M3	N6	N119B		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
4	M4	N118B	N7		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
5	M5	N5	N19		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
6	M6	N4	N22		270	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
7	M7	N21	N2		90	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
8	M8	N24	N3		270	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
9	M9	N1	N23		90	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
10	M10	N26	N28		270	Standoff Arm	Beam	Single Angle	A36 Gr.36	Typical
11	M11	N25	N27		180	Standoff Arm	Beam	Single Angle	A36 Gr.36	Typical
12	M12	N29	N30		30	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
13	M13	N31	N32		30	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
14	M14	N33	N34		30	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
15	M15	N37	N36		90	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
16	M16	N35	N38		90	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
17	M17	N47	N48		30	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
18	M18	N21	N44		270	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
19	M19	N22	N46		180	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
20	M20	N46	N62		270	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
21	M21	N61	N44		90	Corner Angle	Beam	Single Angle	A36 Gr.36	Typical
22	M22	N24A	N70		270	Standoff Arm	Beam	Single Angle	A36 Gr.36	Typical
23	M23	N23A	N69		180	Standoff Arm	Beam	Single Angle	A36 Gr.36	Typical
24	M24	N71	N72		150	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
25	M25	N73	N74		150	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
26	M26	N51	N78		90	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
27	M27	N77	N80		90	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
28	M28	N81	N82		150	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
29	M29	N61	N23		270	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
30	M30	N62	N24		180	Face Angle	Beam	Single Angle	A36 Gr.36	Typical
31	M31	N66	N112		270	Standoff Arm	Beam	Single Angle	A36 Gr.36	Typical
32	M32	N65	N111		180	Standoff Arm	Beam	Single Angle	A36 Gr.36	Typical
33	M33	N113	N114		270	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
34	M34	N115	N116		270	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
35	M35	N83	N120		90	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
36	M36	N119	N122		90	Standoff Braci...	Beam	Single Angle	A36 Gr.36	Typical
37	M37	N171	N183		270	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
38	M38	N181	N178		270	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
39	M39	N176	N173		270	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
40	M40	N204A	N171			RIGID	None	None	RIGID	Typical
41	M41	N184	N201			RIGID	None	None	RIGID	Typical
42	M42	N209	N183			RIGID	None	None	RIGID	Typical
43	M43	N208	N181			RIGID	None	None	RIGID	Typical
44	M44	N188	N203A			RIGID	None	None	RIGID	Typical
45	M45	N207	N178			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
46	M46	N206A	N176			RIGID	None	None	RIGID	Typical
47	M47	N205A	N173			RIGID	None	None	RIGID	Typical
48	M48	N186	N202			RIGID	None	None	RIGID	Typical
49	M49	N210	N215		180	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
50	M50	N214	N213		180	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
51	M51	N212	N211		180	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
52	M52	N170	N210			RIGID	None	None	RIGID	Typical
53	M53	N183A	N219			RIGID	None	None	RIGID	Typical
54	M54	N182	N215			RIGID	None	None	RIGID	Typical
55	M55	N180	N214			RIGID	None	None	RIGID	Typical
56	M56	N187	N221			RIGID	None	None	RIGID	Typical
57	M57	N177	N213			RIGID	None	None	RIGID	Typical
58	M58	N175	N212			RIGID	None	None	RIGID	Typical
59	M59	N172	N211			RIGID	None	None	RIGID	Typical
60	M60	N185	N220			RIGID	None	None	RIGID	Typical
61	M61	N112A	N116D		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
62	M62	N115B	N113A		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
63	M63	N111A	N114A		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
64	M64	N118A	N123		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
65	M65	N122A	N119C		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
66	M66	N117A	N120A		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
67	M67	N126	N130		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
68	M68	N129	N127		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
69	M69	N125	N128		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
70	M70	N132	N137		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
71	M71	N136	N133		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
72	M72	N131	N134		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
73	M73	N140	N144		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
74	M74	N143	N141		180	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
75	M75	N139	N142		90	Face Bracing	Beam	Single Angle	A36 Gr.36	Typical
76	M76	N151A	N150			RIGID	None	None	RIGID	Typical
77	M77	N149	N152A			RIGID	None	None	RIGID	Typical
78	M78	N155	N154			RIGID	None	None	RIGID	Typical
79	M79	N153	N156			RIGID	None	None	RIGID	Typical
80	M80	N65	N173B			RIGID	None	None	RIGID	Typical
81	M81	N66	N174A			RIGID	None	None	RIGID	Typical
82	M82	N25	N178A			RIGID	None	None	RIGID	Typical
83	M83	N26	N179			RIGID	None	None	RIGID	Typical
84	M84	N23A	N183B			RIGID	None	None	RIGID	Typical
85	M85	N24A	N184A			RIGID	None	None	RIGID	Typical
86	M86	N180A	N182B			RIGID	None	None	RIGID	Typical
87	M87	N179A	N181A			RIGID	None	None	RIGID	Typical
88	M88	N184B	N186A			RIGID	None	None	RIGID	Typical
89	M89	N116D	N189			RIGID	None	None	RIGID	Typical
90	M90	N186B	N188A			RIGID	None	None	RIGID	Typical
91	M91	N189A	N192			RIGID	None	None	RIGID	Typical
92	M92	N116C	N191			RIGID	None	None	RIGID	Typical
93	M93	N193	N195			RIGID	None	None	RIGID	Typical
94	M94	N192A	N194			RIGID	None	None	RIGID	Typical
95	M95	N197	N199			RIGID	None	None	RIGID	Typical
96	M96	N196	N198			RIGID	None	None	RIGID	Typical
97	MP1A	N196A	N197A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
98	MP2A	N198A	N199A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
99	MP4A	N202A	N203			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
100	MP5A	N204	N205			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
101	MPA	N212A	N214A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
102	MP6A	N213A	N215A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
103	MP1C	N217A	N218			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
104	MP1B	N220A	N221A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
105	M105	N225	N227A			RIGID	None	None	RIGID	Typical
106	M106	N224	N226A			RIGID	None	None	RIGID	Typical
107	M107	N228	N230			RIGID	None	None	RIGID	Typical
108	M108	N125	N229			RIGID	None	None	RIGID	Typical
109	M109	N238	N240			RIGID	None	None	RIGID	Typical
110	M110	N237	N239			RIGID	None	None	RIGID	Typical
111	M111	N242	N244			RIGID	None	None	RIGID	Typical
112	M112	N241	N243			RIGID	None	None	RIGID	Typical
113	MPC	N245	N246			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
114	MP2C	N247	N248			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
115	MP5C	N259	N261			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
116	MP6C	N260	N262			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
117	M117	N268	N270			RIGID	None	None	RIGID	Typical
118	M118	N267	N269			RIGID	None	None	RIGID	Typical
119	M119	N271	N273			RIGID	None	None	RIGID	Typical
120	M120	N139	N272			RIGID	None	None	RIGID	Typical
121	M121	N281	N283			RIGID	None	None	RIGID	Typical
122	M122	N280	N282			RIGID	None	None	RIGID	Typical
123	MPB	N288	N289			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
124	MPB2	N290	N291			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
125	MP5B	N302	N304			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
126	M129	N277A	N279A			RIGID	None	None	RIGID	Typical
127	M130	N276A	N278A			RIGID	None	None	RIGID	Typical
128	MP4C	N280A	N281A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
129	M132	N130	N292A			RIGID	None	None	RIGID	Typical
130	M133	N290A	N291A			RIGID	None	None	RIGID	Typical
131	MP3C	N296	N297			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
132	M138	N264	N263			RIGID	None	None	RIGID	Typical
133	M139	N262A	N265			RIGID	None	None	RIGID	Typical
134	M140	N268A	N267A			RIGID	None	None	RIGID	Typical
135	M141	N266	N269A			RIGID	None	None	RIGID	Typical
136	M142	N273A	N272A			RIGID	None	None	RIGID	Typical
137	M143	N271A	N274			RIGID	None	None	RIGID	Typical
138	M144	N277	N276			RIGID	None	None	RIGID	Typical
139	M145	N275	N278			RIGID	None	None	RIGID	Typical
140	M146	N152A	N278		180	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
141	M147	N150	N276		270	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
142	M148	N277B	N278B			RIGID	None	None	RIGID	Typical
143	M149	N280B	N279			RIGID	None	None	RIGID	Typical
144	M154	N265	N156		180	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
145	M155	N263	N154		270	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
146	M156	N290B	N291B			RIGID	None	None	RIGID	Typical
147	M157	N293	N292			RIGID	None	None	RIGID	Typical
148	M162	N274	N269A		180	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
149	M163	N272A	N267A		270	Cross Angle	Beam	Single Angle	A36 Gr.36	Typical
150	M164	N303A	N304A			RIGID	None	None	RIGID	Typical
151	M165	N306	N305A			RIGID	None	None	RIGID	Typical
152	M169	N111A	N295			RIGID	None	None	RIGID	Typical
153	MP3A	N200	N298A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
154	M173	N303B	N305C			RIGID	None	None	RIGID	Typical
155	M174	N302A	N304B			RIGID	None	None	RIGID	Typical
156	MP4B	N306A	N307			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
157	M160	N291C	N293B			RIGID	None	None	RIGID	Typical
158	M161	N290C	N292B			RIGID	None	None	RIGID	Typical
159	MP6B	N294	N295B			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
160	M160A	N144	N292D			RIGID	None	None	RIGID	Typical
161	M161A	N290D	N291D			RIGID	None	None	RIGID	Typical
162	MP3B	N293A	N294A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
163	M163A	N294B	N295A			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
164	M164A	N296A	N297A			RIGID	None	None	RIGID	Typical
165	M165A	N298	N299			RIGID	None	None	RIGID	Typical
166	M166	N301	N300			Pipe Bracing	Beam	Pipe	A53 Gr. B	Typical
167	M167	N302B	N303			RIGID	None	None	RIGID	Typical
168	M168	N304C	N305			RIGID	None	None	RIGID	Typical
169	M169A	N307A	N306B			Pipe Bracing	Beam	Pipe	A53 Gr. B	Typical
170	MP2B	N308	N309			Antenna Pipe	Beam	Pipe	A53 Gr. B	Typical
171	M171	N310	N311			RIGID	None	None	RIGID	Typical
172	M172	N312	N313			RIGID	None	None	RIGID	Typical
173	M173A	N315	N314			Pipe Bracing	Beam	Pipe	A53 Gr. B	Typical
174	M174A	N316	N317			RIGID	None	None	RIGID	Typical
175	M175	N318	N319			RIGID	None	None	RIGID	Typical
176	M176	N321A	N320			Pipe Bracing	Beam	Pipe	A53 Gr. B	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1	OOOOXO	OOOOXO				Yes	Default			None
2	M2	OOOOOX	OOOOOX				Yes	Default			None
3	M3	BenPIN	BenPIN				Yes				None
4	M4	BenPIN	BenPIN				Yes				None
5	M5	BenPIN	BenPIN				Yes				None
6	M6						Yes	Default			None
7	M7						Yes				None
8	M8						Yes	Default			None
9	M9						Yes	Default			None
10	M10	OOOOXO	OOOOXO				Yes	Default			None
11	M11	OOOOOX	OOOOOX				Yes	Default			None
12	M12	BenPIN	BenPIN				Yes	Default			None
13	M13	BenPIN	BenPIN				Yes				None
14	M14	BenPIN	BenPIN				Yes				None
15	M15	BenPIN	BenPIN				Yes				None
16	M16	BenPIN	BenPIN				Yes				None
17	M17	BenPIN	BenPIN				Yes				None
18	M18	OOOOXO	OOOOXO				Yes	Default			None
19	M19	OOOOOX	OOOOOX				Yes	Default			None
20	M20						Yes	Default			None
21	M21						Yes				None
22	M22	OOOOXO	OOOOXO				Yes	Default			None
23	M23	OOOOOX	OOOOOX				Yes	Default			None
24	M24	BenPIN	BenPIN				Yes	Default			None
25	M25	BenPIN	BenPIN				Yes				None
26	M26	BenPIN	BenPIN				Yes				None
27	M27	BenPIN	BenPIN				Yes				None
28	M28	BenPIN	BenPIN				Yes				None
29	M29	OOOOXO	OOOOXO				Yes	Default			None
30	M30	OOOOOX	OOOOOX				Yes	Default			None
31	M31	OOOOXO	OOOOXO				Yes	Default			None
32	M32	OOOOOX	OOOOOX				Yes	Default			None
33	M33	BenPIN	BenPIN				Yes	Default			None
34	M34	BenPIN	BenPIN				Yes				None
35	M35	BenPIN	BenPIN				Yes				None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
36	M36	BenPIN	BenPIN				Yes				None
37	M37	BenPIN	BenPIN				Yes	Default			None
38	M38	BenPIN	OOOXXX				Yes	Default			None
39	M39	BenPIN	BenPIN				Yes				None
40	M40						Yes	** NA **			None
41	M41		OOOXOO				Yes	** NA **			None
42	M42						Yes	** NA **			None
43	M43						Yes	** NA **			None
44	M44		OOOXOO				Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48		OOOXOO				Yes	** NA **			None
49	M49	BenPIN	BenPIN				Yes	Default			None
50	M50	BenPIN	BenPIN				Yes				None
51	M51	BenPIN	BenPIN				Yes	Default			None
52	M52						Yes	** NA **			None
53	M53		OOOXOO				Yes	** NA **			None
54	M54						Yes	** NA **			None
55	M55						Yes	** NA **			None
56	M56		OOOXOO				Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60		OOOXOO				Yes	** NA **			None
61	M61	BenPIN	BenPIN				Yes				None
62	M62	BenPIN	BenPIN				Yes				None
63	M63	BenPIN	BenPIN				Yes				None
64	M64	BenPIN	BenPIN				Yes				None
65	M65	BenPIN	BenPIN				Yes				None
66	M66	BenPIN	BenPIN				Yes				None
67	M67	BenPIN	BenPIN				Yes				None
68	M68	BenPIN	BenPIN				Yes				None
69	M69	BenPIN	BenPIN				Yes				None
70	M70	BenPIN	BenPIN				Yes				None
71	M71	BenPIN	BenPIN				Yes				None
72	M72	BenPIN	BenPIN				Yes				None
73	M73	BenPIN	BenPIN				Yes				None
74	M74	BenPIN	BenPIN				Yes				None
75	M75	BenPIN	BenPIN				Yes				None
76	M76						Yes	** NA **			None
77	M77						Yes	** NA **			None
78	M78						Yes	** NA **			None
79	M79						Yes	** NA **			None
80	M80		OOOXOO				Yes	** NA **			None
81	M81		OOOXOO				Yes	** NA **			None
82	M82		OOOXOO				Yes	** NA **			None
83	M83		OOOXOO				Yes	** NA **			None
84	M84		OOOXOO				Yes	** NA **			None
85	M85		OOOXOO				Yes	** NA **			None
86	M86		OOOXOO				Yes	** NA **			None
87	M87		OOOXOO				Yes	** NA **			None
88	M88		OOOXOO				Yes	** NA **			None
89	M89		OOOXOO				Yes	** NA **			None
90	M90		OOOXOO				Yes	** NA **			None
91	M91		OOOXOO				Yes	** NA **			None
92	M92		OOOXOO				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...
93	M93		OOOXOO				Yes	** NA **			None
94	M94		OOOXOO				Yes	** NA **			None
95	M95		OOOXOO				Yes	** NA **			None
96	M96		OOOXOO				Yes	** NA **			None
97	MP1A						Yes				None
98	MP2A						Yes	Default			None
99	MP4A						Yes				None
100	MP5A						Yes				None
101	MPA						Yes				None
102	MP6A						Yes				None
103	MP1C						Yes				None
104	MP1B						Yes				None
105	M105		OOOXOO				Yes	** NA **			None
106	M106		OOOXOO				Yes	** NA **			None
107	M107		OOOXOO				Yes	** NA **			None
108	M108		OOOXOO				Yes	** NA **			None
109	M109		OOOXOO				Yes	** NA **			None
110	M110		OOOXOO				Yes	** NA **			None
111	M111		OOOXOO				Yes	** NA **			None
112	M112		OOOXOO				Yes	** NA **			None
113	MPC						Yes	Default			None
114	MP2C						Yes	Default			None
115	MP5C						Yes	Default			None
116	MP6C						Yes				None
117	M117		OOOXOO				Yes	** NA **			None
118	M118		OOOXOO				Yes	** NA **			None
119	M119		OOOXOO				Yes	** NA **			None
120	M120		OOOXOO				Yes	** NA **			None
121	M121		OOOXOO				Yes	** NA **			None
122	M122		OOOXOO				Yes	** NA **			None
123	MPB						Yes	Default			None
124	MPB2						Yes	Default			None
125	MP5B						Yes				None
126	M129		OOOXOO				Yes	** NA **			None
127	M130		OOOXOO				Yes	** NA **			None
128	MP4C						Yes				None
129	M132		OOOXOO				Yes	** NA **			None
130	M133		OOOXOO				Yes	** NA **			None
131	MP3C						Yes				None
132	M138						Yes	** NA **			None
133	M139						Yes	** NA **			None
134	M140						Yes	** NA **			None
135	M141						Yes	** NA **			None
136	M142						Yes	** NA **			None
137	M143						Yes	** NA **			None
138	M144						Yes	** NA **			None
139	M145						Yes	** NA **			None
140	M146	BenPIN	BenPIN				Yes	Default			None
141	M147	BenPIN	BenPIN				Yes	Default			None
142	M148		OOOXOO				Yes	** NA **			None
143	M149	OOOXOO					Yes	** NA **			None
144	M154	BenPIN	BenPIN				Yes	Default			None
145	M155	BenPIN	BenPIN				Yes	Default			None
146	M156		OOOXOO				Yes	** NA **			None
147	M157	OOOXOO					Yes	** NA **			None
148	M162	BenPIN	BenPIN				Yes	Default			None
149	M163	BenPIN	BenPIN				Yes	Default			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...
150	M164	OOOXOO					Yes	** NA **			None
151	M165	OOOXOO					Yes	** NA **			None
152	M169		OOOXOO				Yes	** NA **			None
153	MP3A						Yes	Default			None
154	M173		OOOXOO				Yes	** NA **			None
155	M174		OOOXOO				Yes	** NA **			None
156	MP4B						Yes				None
157	M160		OOOXOO				Yes	** NA **			None
158	M161		OOOXOO				Yes	** NA **			None
159	MP6B						Yes	Default			None
160	M160A		OOOXOO				Yes	** NA **			None
161	M161A		OOOXOO				Yes	** NA **			None
162	MP3B						Yes				None
163	M163A						Yes				None
164	M164A						Yes	** NA **			None
165	M165A	OOOXOX					Yes	** NA **			None
166	M166						Yes				None
167	M167						Yes	** NA **			None
168	M168	OOOXOX					Yes	** NA **			None
169	M169A						Yes				None
170	MP2B						Yes				None
171	M171						Yes	** NA **			None
172	M172	OOOXOX					Yes	** NA **			None
173	M173A						Yes				None
174	M174A						Yes	** NA **			None
175	M175	OOOXOX					Yes	** NA **			None
176	M176						Yes				None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-43.55	1
2	MP1A	My	-.011	1
3	MP1A	Mz	.019	1
4	MP1A	Y	-43.55	3
5	MP1A	My	-.011	3
6	MP1A	Mz	.019	3
7	MP1B	Y	-43.55	1
8	MP1B	My	-.011	1
9	MP1B	Mz	-.019	1
10	MP1B	Y	-43.55	3
11	MP1B	My	-.011	3
12	MP1B	Mz	-.019	3
13	MP4C	Y	-43.55	1
14	MP4C	My	.017	1
15	MP4C	Mz	.014	1
16	MP4C	Y	-43.55	3
17	MP4C	My	.017	3
18	MP4C	Mz	.014	3
19	MP5B	Y	-43.55	1
20	MP5B	My	.014	1
21	MP5B	Mz	-.017	1
22	MP5B	Y	-43.55	3
23	MP5B	My	.014	3
24	MP5B	Mz	-.017	3
25	MP1A	Y	-4.4	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP1A	My	-.001	4.5
27	MP1A	Mz	.002	4.5
28	MP1B	Y	-4.4	4.5
29	MP1B	My	-.001	4.5
30	MP1B	Mz	-.002	4.5
31	MP4C	Y	-4.4	4.5
32	MP4C	My	.002	4.5
33	MP4C	Mz	.001	4.5
34	MP5B	Y	-4.4	4.5
35	MP5B	My	.001	4.5
36	MP5B	Mz	-.002	4.5
37	MP1C	Y	-10.4	3
38	MP1C	My	-.003	3
39	MP1C	Mz	.005	3
40	MP2B	Y	-10.4	3
41	MP2B	My	-.003	3
42	MP2B	Mz	.005	3
43	MP2A	Y	-84.4	1
44	MP2A	My	.042	1
45	MP2A	Mz	0	1
46	MP2C	Y	-84.4	1
47	MP2C	My	-.032	1
48	MP2C	Mz	-.027	1
49	MP3B	Y	-84.4	1
50	MP3B	My	-.021	1
51	MP3B	Mz	.037	1
52	MP4A	Y	-84.4	1
53	MP4A	My	.042	1
54	MP4A	Mz	0	1
55	MP4C	Y	-84.4	1
56	MP4C	My	-.032	1
57	MP4C	Mz	-.027	1
58	MP2B	Y	-70.3	1
59	MP2B	My	-.023	1
60	MP2B	Mz	.027	1
61	MP3A	Y	-70.3	1
62	MP3A	My	.035	1
63	MP3A	Mz	0	1
64	MP3C	Y	-70.3	1
65	MP3C	My	-.027	1
66	MP3C	Mz	-.023	1
67	MP5A	Y	-70.3	1
68	MP5A	My	.035	1
69	MP5A	Mz	0	1
70	MP5C	Y	-70.3	1
71	MP5C	My	-.027	1
72	MP5C	Mz	-.023	1
73	MP2C	Y	-4.95	2
74	MP2C	My	.002	2
75	MP2C	Mz	.001	2
76	MP2C	Y	-4.95	5
77	MP2C	My	.002	5
78	MP2C	Mz	.001	5
79	MP4A	Y	-4.95	2
80	MP4A	My	-.001	2
81	MP4A	Mz	.002	2
82	MP4A	Y	-4.95	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP4A	My	-.001	5
84	MP4A	Mz	.002	5
85	MP4B	Y	-4.95	2
86	MP4B	My	.001	2
87	MP4B	Mz	-.002	2
88	MP4B	Y	-4.95	5
89	MP4B	My	.001	5
90	MP4B	Mz	-.002	5
91	MP1C	Y	-45.75	1
92	MP1C	My	.041	1
93	MP1C	Mz	-.000839	1
94	MP1C	Y	-45.75	5
95	MP1C	My	.041	5
96	MP1C	Mz	-.000839	5
97	MP1C	Y	-45.75	1
98	MP1C	My	-.006	1
99	MP1C	Mz	-.04	1
100	MP1C	Y	-45.75	5
101	MP1C	My	-.006	5
102	MP1C	Mz	-.04	5
103	MP2B	Y	-45.75	1
104	MP2B	My	.013	1
105	MP2B	Mz	-.038	1
106	MP2B	Y	-45.75	5
107	MP2B	My	.013	5
108	MP2B	Mz	-.038	5
109	MP2B	Y	-45.75	1
110	MP2B	My	-.04	1
111	MP2B	Mz	-.008	1
112	MP2B	Y	-45.75	5
113	MP2B	My	-.04	5
114	MP2B	Mz	-.008	5
115	MP6A	Y	-31.65	2
116	MP6A	My	.004	2
117	MP6A	Mz	.024	2
118	MP6A	Y	-31.65	6
119	MP6A	My	.004	6
120	MP6A	Mz	.024	6
121	MP6A	Y	-31.65	2
122	MP6A	My	-.024	2
123	MP6A	Mz	.000255	2
124	MP6A	Y	-31.65	6
125	MP6A	My	-.024	6
126	MP6A	Mz	.000255	6
127	MP6C	Y	-31.65	2
128	MP6C	My	.024	2
129	MP6C	Mz	-.004	2
130	MP6C	Y	-31.65	6
131	MP6C	My	.024	6
132	MP6C	Mz	-.004	6
133	MP6C	Y	-31.65	2
134	MP6C	My	.000255	2
135	MP6C	Mz	.024	2
136	MP6C	Y	-31.65	6
137	MP6C	My	.000255	6
138	MP6C	Mz	.024	6
139	MP6B	Y	-70.3	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
140	MP6B	My	-.012	1.5
141	MP6B	Mz	.02	1.5
142	MPB	Y	-84.4	1.5
143	MPB	My	-.014	1.5
144	MPB	Mz	.024	1.5
145	MP6A	Y	-10.4	5
146	MP6A	My	.003	5
147	MP6A	Mz	0	5
148	MP6C	Y	-10.4	5
149	MP6C	My	-.002	5
150	MP6C	Mz	-.003	5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-53.322	1
2	MP1A	My	-.013	1
3	MP1A	Mz	.023	1
4	MP1A	Y	-53.322	3
5	MP1A	My	-.013	3
6	MP1A	Mz	.023	3
7	MP1B	Y	-53.322	1
8	MP1B	My	-.013	1
9	MP1B	Mz	-.023	1
10	MP1B	Y	-53.322	3
11	MP1B	My	-.013	3
12	MP1B	Mz	-.023	3
13	MP4C	Y	-53.322	1
14	MP4C	My	.02	1
15	MP4C	Mz	.017	1
16	MP4C	Y	-53.322	3
17	MP4C	My	.02	3
18	MP4C	Mz	.017	3
19	MP5B	Y	-53.322	1
20	MP5B	My	.017	1
21	MP5B	Mz	-.02	1
22	MP5B	Y	-53.322	3
23	MP5B	My	.017	3
24	MP5B	Mz	-.02	3
25	MP1A	Y	-21.353	4.5
26	MP1A	My	-.007	4.5
27	MP1A	Mz	.008	4.5
28	MP1B	Y	-21.353	4.5
29	MP1B	My	-.007	4.5
30	MP1B	Mz	-.008	4.5
31	MP4C	Y	-21.353	4.5
32	MP4C	My	.008	4.5
33	MP4C	Mz	.007	4.5
34	MP5B	Y	-21.353	4.5
35	MP5B	My	.007	4.5
36	MP5B	Mz	-.008	4.5
37	MP1C	Y	-17.133	3
38	MP1C	My	-.004	3
39	MP1C	Mz	.007	3
40	MP2B	Y	-17.133	3
41	MP2B	My	-.004	3
42	MP2B	Mz	.007	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2A	Y	-67.692	1
44	MP2A	My	.034	1
45	MP2A	Mz	0	1
46	MP2C	Y	-67.692	1
47	MP2C	My	-.026	1
48	MP2C	Mz	-.022	1
49	MP3B	Y	-67.692	1
50	MP3B	My	-.017	1
51	MP3B	Mz	.029	1
52	MP4A	Y	-67.692	1
53	MP4A	My	.034	1
54	MP4A	Mz	0	1
55	MP4C	Y	-67.692	1
56	MP4C	My	-.026	1
57	MP4C	Mz	-.022	1
58	MP2B	Y	-61.083	1
59	MP2B	My	-.02	1
60	MP2B	Mz	.023	1
61	MP3A	Y	-61.083	1
62	MP3A	My	.031	1
63	MP3A	Mz	0	1
64	MP3C	Y	-61.083	1
65	MP3C	My	-.023	1
66	MP3C	Mz	-.02	1
67	MP5A	Y	-61.083	1
68	MP5A	My	.031	1
69	MP5A	Mz	0	1
70	MP5C	Y	-61.083	1
71	MP5C	My	-.023	1
72	MP5C	Mz	-.02	1
73	MP2C	Y	-51.424	2
74	MP2C	My	.022	2
75	MP2C	Mz	.013	2
76	MP2C	Y	-51.424	5
77	MP2C	My	.022	5
78	MP2C	Mz	.013	5
79	MP4A	Y	-51.424	2
80	MP4A	My	-.013	2
81	MP4A	Mz	.022	2
82	MP4A	Y	-51.424	5
83	MP4A	My	-.013	5
84	MP4A	Mz	.022	5
85	MP4B	Y	-51.424	2
86	MP4B	My	.013	2
87	MP4B	Mz	-.022	2
88	MP4B	Y	-51.424	5
89	MP4B	My	.013	5
90	MP4B	Mz	-.022	5
91	MP1C	Y	-116.49	1
92	MP1C	My	.103	1
93	MP1C	Mz	-.002	1
94	MP1C	Y	-116.49	5
95	MP1C	My	.103	5
96	MP1C	Mz	-.002	5
97	MP1C	Y	-116.49	1
98	MP1C	My	-.016	1
99	MP1C	Mz	-.102	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	MP1C	Y	-116.49	5
101	MP1C	My	-.016	5
102	MP1C	Mz	-.102	5
103	MP2B	Y	-116.49	1
104	MP2B	My	.033	1
105	MP2B	Mz	-.098	1
106	MP2B	Y	-116.49	5
107	MP2B	My	.033	5
108	MP2B	Mz	-.098	5
109	MP2B	Y	-116.49	1
110	MP2B	My	-.101	1
111	MP2B	Mz	-.02	1
112	MP2B	Y	-116.49	5
113	MP2B	My	-.101	5
114	MP2B	Mz	-.02	5
115	MP6A	Y	-103.862	2
116	MP6A	My	.013	2
117	MP6A	Mz	.079	2
118	MP6A	Y	-103.862	6
119	MP6A	My	.013	6
120	MP6A	Mz	.079	6
121	MP6A	Y	-103.862	2
122	MP6A	My	-.08	2
123	MP6A	Mz	.000837	2
124	MP6A	Y	-103.862	6
125	MP6A	My	-.08	6
126	MP6A	Mz	.000837	6
127	MP6C	Y	-103.862	2
128	MP6C	My	.079	2
129	MP6C	Mz	-.013	2
130	MP6C	Y	-103.862	6
131	MP6C	My	.079	6
132	MP6C	Mz	-.013	6
133	MP6C	Y	-103.862	2
134	MP6C	My	.000837	2
135	MP6C	Mz	.08	2
136	MP6C	Y	-103.862	6
137	MP6C	My	.000837	6
138	MP6C	Mz	.08	6
139	MP6B	Y	-61.083	1.5
140	MP6B	My	-.01	1.5
141	MP6B	Mz	.018	1.5
142	MPB	Y	-67.692	1.5
143	MPB	My	-.011	1.5
144	MPB	Mz	.02	1.5
145	MP6A	Y	-17.133	5
146	MP6A	My	.006	5
147	MP6A	Mz	0	5
148	MP6C	Y	-17.133	5
149	MP6C	My	-.003	5
150	MP6C	Mz	-.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	-47.087	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP1A	Mx	-.02	1
4	MP1A	X	0	3
5	MP1A	Z	-47.087	3
6	MP1A	Mx	-.02	3
7	MP1B	X	0	1
8	MP1B	Z	-47.087	1
9	MP1B	Mx	.02	1
10	MP1B	X	0	3
11	MP1B	Z	-47.087	3
12	MP1B	Mx	.02	3
13	MP4C	X	0	1
14	MP4C	Z	-64.84	1
15	MP4C	Mx	-.021	1
16	MP4C	X	0	3
17	MP4C	Z	-64.84	3
18	MP4C	Mx	-.021	3
19	MP5B	X	0	1
20	MP5B	Z	-55.688	1
21	MP5B	Mx	.021	1
22	MP5B	X	0	3
23	MP5B	Z	-55.688	3
24	MP5B	Mx	.021	3
25	MP1A	X	0	4.5
26	MP1A	Z	-17.329	4.5
27	MP1A	Mx	-.007	4.5
28	MP1B	X	0	4.5
29	MP1B	Z	-17.329	4.5
30	MP1B	Mx	.007	4.5
31	MP4C	X	0	4.5
32	MP4C	Z	-21.908	4.5
33	MP4C	Mx	-.007	4.5
34	MP5B	X	0	4.5
35	MP5B	Z	-17.329	4.5
36	MP5B	Mx	.007	4.5
37	MP1C	X	0	3
38	MP1C	Z	-10.486	3
39	MP1C	Mx	-.005	3
40	MP2B	X	0	3
41	MP2B	Z	-10.486	3
42	MP2B	Mx	-.005	3
43	MP2A	X	0	1
44	MP2A	Z	-68.926	1
45	MP2A	Mx	0	1
46	MP2C	X	0	1
47	MP2C	Z	-59.484	1
48	MP2C	Mx	.019	1
49	MP3B	X	0	1
50	MP3B	Z	-51.786	1
51	MP3B	Mx	-.022	1
52	MP4A	X	0	1
53	MP4A	Z	-68.926	1
54	MP4A	Mx	0	1
55	MP4C	X	0	1
56	MP4C	Z	-59.484	1
57	MP4C	Mx	.019	1
58	MP2B	X	0	1
59	MP2B	Z	-50.378	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2B	Mx	-.019	1
61	MP3A	X	0	1
62	MP3A	Z	-68.926	1
63	MP3A	Mx	0	1
64	MP3C	X	0	1
65	MP3C	Z	-55.867	1
66	MP3C	Mx	.018	1
67	MP5A	X	0	1
68	MP5A	Z	-68.926	1
69	MP5A	Mx	0	1
70	MP5C	X	0	1
71	MP5C	Z	-55.867	1
72	MP5C	Mx	.018	1
73	MP2C	X	0	2
74	MP2C	Z	-75.598	2
75	MP2C	Mx	-.019	2
76	MP2C	X	0	5
77	MP2C	Z	-75.598	5
78	MP2C	Mx	-.019	5
79	MP4A	X	0	2
80	MP4A	Z	-52.821	2
81	MP4A	Mx	-.023	2
82	MP4A	X	0	5
83	MP4A	Z	-52.821	5
84	MP4A	Mx	-.023	5
85	MP4B	X	0	2
86	MP4B	Z	-52.821	2
87	MP4B	Mx	.023	2
88	MP4B	X	0	5
89	MP4B	Z	-52.821	5
90	MP4B	Mx	.023	5
91	MP1C	X	0	1
92	MP1C	Z	-143.944	1
93	MP1C	Mx	.003	1
94	MP1C	X	0	5
95	MP1C	Z	-143.944	5
96	MP1C	Mx	.003	5
97	MP1C	X	0	1
98	MP1C	Z	-143.944	1
99	MP1C	Mx	.126	1
100	MP1C	X	0	5
101	MP1C	Z	-143.944	5
102	MP1C	Mx	.126	5
103	MP2B	X	0	1
104	MP2B	Z	-125.55	1
105	MP2B	Mx	.105	1
106	MP2B	X	0	5
107	MP2B	Z	-125.55	5
108	MP2B	Mx	.105	5
109	MP2B	X	0	1
110	MP2B	Z	-125.55	1
111	MP2B	Mx	.022	1
112	MP2B	X	0	5
113	MP2B	Z	-125.55	5
114	MP2B	Mx	.022	5
115	MP6A	X	0	2
116	MP6A	Z	-134.077	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP6A	Mx	-.102	2
118	MP6A	X	0	6
119	MP6A	Z	-134.077	6
120	MP6A	Mx	-.102	6
121	MP6A	X	0	2
122	MP6A	Z	-134.077	2
123	MP6A	Mx	-.001	2
124	MP6A	X	0	6
125	MP6A	Z	-134.077	6
126	MP6A	Mx	-.001	6
127	MP6C	X	0	2
128	MP6C	Z	-144.083	2
129	MP6C	Mx	.018	2
130	MP6C	X	0	6
131	MP6C	Z	-144.083	6
132	MP6C	Mx	.018	6
133	MP6C	X	0	2
134	MP6C	Z	-144.083	2
135	MP6C	Mx	-.111	2
136	MP6C	X	0	6
137	MP6C	Z	-144.083	6
138	MP6C	Mx	-.111	6
139	MP6B	X	0	1.5
140	MP6B	Z	-45.221	1.5
141	MP6B	Mx	-.013	1.5
142	MPB	X	0	1.5
143	MPB	Z	-51.786	1.5
144	MPB	Mx	-.015	1.5
145	MP6A	X	0	5
146	MP6A	Z	-13.638	5
147	MP6A	Mx	0	5
148	MP6C	X	0	5
149	MP6C	Z	-10.486	5
150	MP6C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	16.955	1
2	MP1A	Z	-29.368	1
3	MP1A	Mx	-.017	1
4	MP1A	X	16.955	3
5	MP1A	Z	-29.368	3
6	MP1A	Mx	-.017	3
7	MP1B	X	36.72	1
8	MP1B	Z	-63.602	1
9	MP1B	Mx	.018	1
10	MP1B	X	36.72	3
11	MP1B	Z	-63.602	3
12	MP1B	Mx	.018	3
13	MP4C	X	42.514	1
14	MP4C	Z	-73.637	1
15	MP4C	Mx	-.007	1
16	MP4C	X	42.514	3
17	MP4C	Z	-73.637	3
18	MP4C	Mx	-.007	3
19	MP5B	X	17.75	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP5B	Z	-30.744	1
21	MP5B	Mx	.017	1
22	MP5B	X	17.75	3
23	MP5B	Z	-30.744	3
24	MP5B	Mx	.017	3
25	MP1A	X	3.614	4.5
26	MP1A	Z	-6.26	4.5
27	MP1A	Mx	-.004	4.5
28	MP1B	X	14.86	4.5
29	MP1B	Z	-25.738	4.5
30	MP1B	Mx	.005	4.5
31	MP4C	X	16.004	4.5
32	MP4C	Z	-27.721	4.5
33	MP4C	Mx	-.003	4.5
34	MP5B	X	3.614	4.5
35	MP5B	Z	-6.26	4.5
36	MP5B	Mx	.004	4.5
37	MP1C	X	4.718	3
38	MP1C	Z	-8.172	3
39	MP1C	Mx	-.005	3
40	MP2B	X	4.718	3
41	MP2B	Z	-8.172	3
42	MP2B	Mx	-.005	3
43	MP2A	X	31.606	1
44	MP2A	Z	-54.744	1
45	MP2A	Mx	.016	1
46	MP2C	X	34.118	1
47	MP2C	Z	-59.095	1
48	MP2C	Mx	.006	1
49	MP3B	X	23.037	1
50	MP3B	Z	-39.901	1
51	MP3B	Mx	-.023	1
52	MP4A	X	31.606	1
53	MP4A	Z	-54.744	1
54	MP4A	Mx	.016	1
55	MP4C	X	34.118	1
56	MP4C	Z	-59.095	1
57	MP4C	Mx	.006	1
58	MP2B	X	19.136	1
59	MP2B	Z	-33.145	1
60	MP2B	Mx	-.019	1
61	MP3A	X	30.512	1
62	MP3A	Z	-52.848	1
63	MP3A	Mx	.015	1
64	MP3C	X	33.986	1
65	MP3C	Z	-58.866	1
66	MP3C	Mx	.006	1
67	MP5A	X	30.512	1
68	MP5A	Z	-52.848	1
69	MP5A	Mx	.015	1
70	MP5C	X	33.986	1
71	MP5C	Z	-58.866	1
72	MP5C	Mx	.006	1
73	MP2C	X	43.493	2
74	MP2C	Z	-75.332	2
75	MP2C	Mx	0	2
76	MP2C	X	43.493	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2C	Z	-75.332	5
78	MP2C	Mx	0	5
79	MP4A	X	20.716	2
80	MP4A	Z	-35.882	2
81	MP4A	Mx	-.021	2
82	MP4A	X	20.716	5
83	MP4A	Z	-35.882	5
84	MP4A	Mx	-.021	5
85	MP4B	X	20.716	2
86	MP4B	Z	-35.882	2
87	MP4B	Mx	.021	2
88	MP4B	X	20.716	5
89	MP4B	Z	-35.882	5
90	MP4B	Mx	.021	5
91	MP1C	X	50.384	1
92	MP1C	Z	-87.267	1
93	MP1C	Mx	.046	1
94	MP1C	X	50.384	5
95	MP1C	Z	-87.267	5
96	MP1C	Mx	.046	5
97	MP1C	X	50.384	1
98	MP1C	Z	-87.267	1
99	MP1C	Mx	.07	1
100	MP1C	X	50.384	5
101	MP1C	Z	-87.267	5
102	MP1C	Mx	.07	5
103	MP2B	X	90.956	1
104	MP2B	Z	-157.541	1
105	MP2B	Mx	.158	1
106	MP2B	X	90.956	5
107	MP2B	Z	-157.541	5
108	MP2B	Mx	.158	5
109	MP2B	X	90.956	1
110	MP2B	Z	-157.541	1
111	MP2B	Mx	-.052	1
112	MP2B	X	90.956	5
113	MP2B	Z	-157.541	5
114	MP2B	Mx	-.052	5
115	MP6A	X	56.003	2
116	MP6A	Z	-97	2
117	MP6A	Mx	-.066	2
118	MP6A	X	56.003	6
119	MP6A	Z	-97	6
120	MP6A	Mx	-.066	6
121	MP6A	X	56.003	2
122	MP6A	Z	-97	2
123	MP6A	Mx	-.044	2
124	MP6A	X	56.003	6
125	MP6A	Z	-97	6
126	MP6A	Mx	-.044	6
127	MP6C	X	83.077	2
128	MP6C	Z	-143.893	2
129	MP6C	Mx	.081	2
130	MP6C	X	83.077	6
131	MP6C	Z	-143.893	6
132	MP6C	Mx	.081	6
133	MP6C	X	83.077	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
134	MP6C	Z	-143.893	2
135	MP6C	Mx	-.11	2
136	MP6C	X	83.077	6
137	MP6C	Z	-143.893	6
138	MP6C	Mx	-.11	6
139	MP6B	X	18.66	1.5
140	MP6B	Z	-32.32	1.5
141	MP6B	Mx	-.012	1.5
142	MPB	X	23.037	1.5
143	MPB	Z	-39.901	1.5
144	MPB	Mx	-.015	1.5
145	MP6A	X	6.294	5
146	MP6A	Z	-10.901	5
147	MP6A	Mx	.002	5
148	MP6C	X	6.294	5
149	MP6C	Z	-10.901	5
150	MP6C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	40.779	1
2	MP1A	Z	-23.544	1
3	MP1A	Mx	-.02	1
4	MP1A	X	40.779	3
5	MP1A	Z	-23.544	3
6	MP1A	Mx	-.02	3
7	MP1B	X	75.013	1
8	MP1B	Z	-43.309	1
9	MP1B	Mx	0	1
10	MP1B	X	75.013	3
11	MP1B	Z	-43.309	3
12	MP1B	Mx	0	3
13	MP4C	X	69.674	1
14	MP4C	Z	-40.226	1
15	MP4C	Mx	.014	1
16	MP4C	X	69.674	3
17	MP4C	Z	-40.226	3
18	MP4C	Mx	.014	3
19	MP5B	X	34.707	1
20	MP5B	Z	-20.038	1
21	MP5B	Mx	.019	1
22	MP5B	X	34.707	3
23	MP5B	Z	-20.038	3
24	MP5B	Mx	.019	3
25	MP1A	X	8.243	4.5
26	MP1A	Z	-4.759	4.5
27	MP1A	Mx	-.004	4.5
28	MP1B	X	27.721	4.5
29	MP1B	Z	-16.004	4.5
30	MP1B	Mx	-.003	4.5
31	MP4C	X	25.738	4.5
32	MP4C	Z	-14.86	4.5
33	MP4C	Mx	.005	4.5
34	MP5B	X	8.243	4.5
35	MP5B	Z	-4.759	4.5
36	MP5B	Mx	.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP1C	X	9.081	3
38	MP1C	Z	-5.243	3
39	MP1C	Mx	-.005	3
40	MP2B	X	9.081	3
41	MP2B	Z	-5.243	3
42	MP2B	Mx	-.005	3
43	MP2A	X	44.848	1
44	MP2A	Z	-25.893	1
45	MP2A	Mx	.022	1
46	MP2C	X	57.376	1
47	MP2C	Z	-33.126	1
48	MP2C	Mx	-.011	1
49	MP3B	X	44.848	1
50	MP3B	Z	-25.893	1
51	MP3B	Mx	-.022	1
52	MP4A	X	44.848	1
53	MP4A	Z	-25.893	1
54	MP4A	Mx	.022	1
55	MP4C	X	57.376	1
56	MP4C	Z	-33.126	1
57	MP4C	Mx	-.011	1
58	MP2B	X	35.521	1
59	MP2B	Z	-20.508	1
60	MP2B	Mx	-.019	1
61	MP3A	X	39.162	1
62	MP3A	Z	-22.61	1
63	MP3A	Mx	.02	1
64	MP3C	X	56.489	1
65	MP3C	Z	-32.614	1
66	MP3C	Mx	-.011	1
67	MP5A	X	39.162	1
68	MP5A	Z	-22.61	1
69	MP5A	Mx	.02	1
70	MP5C	X	56.489	1
71	MP5C	Z	-32.614	1
72	MP5C	Mx	-.011	1
73	MP2C	X	65.47	2
74	MP2C	Z	-37.799	2
75	MP2C	Mx	.019	2
76	MP2C	X	65.47	5
77	MP2C	Z	-37.799	5
78	MP2C	Mx	.019	5
79	MP4A	X	45.745	2
80	MP4A	Z	-26.411	2
81	MP4A	Mx	-.023	2
82	MP4A	X	45.745	5
83	MP4A	Z	-26.411	5
84	MP4A	Mx	-.023	5
85	MP4B	X	45.745	2
86	MP4B	Z	-26.411	2
87	MP4B	Mx	.023	2
88	MP4B	X	45.745	5
89	MP4B	Z	-26.411	5
90	MP4B	Mx	.023	5
91	MP1C	X	95.743	1
92	MP1C	Z	-55.277	1
93	MP1C	Mx	.086	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP1C	X	95.743	5
95	MP1C	Z	-55.277	5
96	MP1C	Mx	.086	5
97	MP1C	X	95.743	1
98	MP1C	Z	-55.277	1
99	MP1C	Mx	.035	1
100	MP1C	X	95.743	5
101	MP1C	Z	-55.277	5
102	MP1C	Mx	.035	5
103	MP2B	X	181.947	1
104	MP2B	Z	-105.047	1
105	MP2B	Mx	.14	1
106	MP2B	X	181.947	5
107	MP2B	Z	-105.047	5
108	MP2B	Mx	.14	5
109	MP2B	X	181.947	1
110	MP2B	Z	-105.047	1
111	MP2B	Mx	-.14	1
112	MP2B	X	181.947	5
113	MP2B	Z	-105.047	5
114	MP2B	Mx	-.14	5
115	MP6A	X	101.333	2
116	MP6A	Z	-58.505	2
117	MP6A	Mx	-.032	2
118	MP6A	X	101.333	6
119	MP6A	Z	-58.505	6
120	MP6A	Mx	-.032	6
121	MP6A	X	101.333	2
122	MP6A	Z	-58.505	2
123	MP6A	Mx	-.078	2
124	MP6A	X	101.333	6
125	MP6A	Z	-58.505	6
126	MP6A	Mx	-.078	6
127	MP6C	X	139.56	2
128	MP6C	Z	-80.575	2
129	MP6C	Mx	.116	2
130	MP6C	X	139.56	6
131	MP6C	Z	-80.575	6
132	MP6C	Mx	.116	6
133	MP6C	X	139.56	2
134	MP6C	Z	-80.575	2
135	MP6C	Mx	-.061	2
136	MP6C	X	139.56	6
137	MP6C	Z	-80.575	6
138	MP6C	Mx	-.061	6
139	MP6B	X	39.162	1.5
140	MP6B	Z	-22.61	1.5
141	MP6B	Mx	-.013	1.5
142	MPB	X	44.848	1.5
143	MPB	Z	-25.893	1.5
144	MPB	Mx	-.015	1.5
145	MP6A	X	9.081	5
146	MP6A	Z	-5.243	5
147	MP6A	Mx	.003	5
148	MP6C	X	11.811	5
149	MP6C	Z	-6.819	5
150	MP6C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	73.441	1
2	MP1A	Z	0	1
3	MP1A	Mx	-.018	1
4	MP1A	X	73.441	3
5	MP1A	Z	0	3
6	MP1A	Mx	-.018	3
7	MP1B	X	73.441	1
8	MP1B	Z	0	1
9	MP1B	Mx	-.018	1
10	MP1B	X	73.441	3
11	MP1B	Z	0	3
12	MP1B	Mx	-.018	3
13	MP4C	X	55.688	1
14	MP4C	Z	0	1
15	MP4C	Mx	.021	1
16	MP4C	X	55.688	3
17	MP4C	Z	0	3
18	MP4C	Mx	.021	3
19	MP5B	X	64.84	1
20	MP5B	Z	0	1
21	MP5B	Mx	.021	1
22	MP5B	X	64.84	3
23	MP5B	Z	0	3
24	MP5B	Mx	.021	3
25	MP1A	X	21.908	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	-.007	4.5
28	MP1B	X	21.908	4.5
29	MP1B	Z	0	4.5
30	MP1B	Mx	-.007	4.5
31	MP4C	X	17.329	4.5
32	MP4C	Z	0	4.5
33	MP4C	Mx	.007	4.5
34	MP5B	X	21.908	4.5
35	MP5B	Z	0	4.5
36	MP5B	Mx	.007	4.5
37	MP1C	X	12.587	3
38	MP1C	Z	0	3
39	MP1C	Mx	-.003	3
40	MP2B	X	12.587	3
41	MP2B	Z	0	3
42	MP2B	Mx	-.003	3
43	MP2A	X	46.073	1
44	MP2A	Z	0	1
45	MP2A	Mx	.023	1
46	MP2C	X	55.515	1
47	MP2C	Z	0	1
48	MP2C	Mx	-.021	1
49	MP3B	X	63.213	1
50	MP3B	Z	0	1
51	MP3B	Mx	-.016	1
52	MP4A	X	46.073	1
53	MP4A	Z	0	1
54	MP4A	Mx	.023	1
55	MP4C	X	55.515	1
56	MP4C	Z	0	1
57	MP4C	Mx	-.021	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	55.867	1
59	MP2B	Z	0	1
60	MP2B	Mx	-.018	1
61	MP3A	X	37.319	1
62	MP3A	Z	0	1
63	MP3A	Mx	.019	1
64	MP3C	X	50.378	1
65	MP3C	Z	0	1
66	MP3C	Mx	-.019	1
67	MP5A	X	37.319	1
68	MP5A	Z	0	1
69	MP5A	Mx	.019	1
70	MP5C	X	50.378	1
71	MP5C	Z	0	1
72	MP5C	Mx	-.019	1
73	MP2C	X	52.821	2
74	MP2C	Z	0	2
75	MP2C	Mx	.023	2
76	MP2C	X	52.821	5
77	MP2C	Z	0	5
78	MP2C	Mx	.023	5
79	MP4A	X	75.598	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.019	2
82	MP4A	X	75.598	5
83	MP4A	Z	0	5
84	MP4A	Mx	-.019	5
85	MP4B	X	75.598	2
86	MP4B	Z	0	2
87	MP4B	Mx	.019	2
88	MP4B	X	75.598	5
89	MP4B	Z	0	5
90	MP4B	Mx	.019	5
91	MP1C	X	163.518	1
92	MP1C	Z	0	1
93	MP1C	Mx	.145	1
94	MP1C	X	163.518	5
95	MP1C	Z	0	5
96	MP1C	Mx	.145	5
97	MP1C	X	163.518	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.022	1
100	MP1C	X	163.518	5
101	MP1C	Z	0	5
102	MP1C	Mx	-.022	5
103	MP2B	X	181.913	1
104	MP2B	Z	0	1
105	MP2B	Mx	.052	1
106	MP2B	X	181.913	5
107	MP2B	Z	0	5
108	MP2B	Mx	.052	5
109	MP2B	X	181.913	1
110	MP2B	Z	0	1
111	MP2B	Mx	-.158	1
112	MP2B	X	181.913	5
113	MP2B	Z	0	5
114	MP2B	Mx	-.158	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP6A	X	144.083	2
116	MP6A	Z	0	2
117	MP6A	Mx	.018	2
118	MP6A	X	144.083	6
119	MP6A	Z	0	6
120	MP6A	Mx	.018	6
121	MP6A	X	144.083	2
122	MP6A	Z	0	2
123	MP6A	Mx	-.111	2
124	MP6A	X	144.083	6
125	MP6A	Z	0	6
126	MP6A	Mx	-.111	6
127	MP6C	X	134.077	2
128	MP6C	Z	0	2
129	MP6C	Mx	.102	2
130	MP6C	X	134.077	6
131	MP6C	Z	0	6
132	MP6C	Mx	.102	6
133	MP6C	X	134.077	2
134	MP6C	Z	0	2
135	MP6C	Mx	.001	2
136	MP6C	X	134.077	6
137	MP6C	Z	0	6
138	MP6C	Mx	.001	6
139	MP6B	X	61.024	1.5
140	MP6B	Z	0	1.5
141	MP6B	Mx	-.01	1.5
142	MPB	X	63.213	1.5
143	MPB	Z	0	1.5
144	MPB	Mx	-.011	1.5
145	MP6A	X	9.436	5
146	MP6A	Z	0	5
147	MP6A	Mx	.003	5
148	MP6C	X	12.587	5
149	MP6C	Z	0	5
150	MP6C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	75.013	1
2	MP1A	Z	43.309	1
3	MP1A	Mx	0	1
4	MP1A	X	75.013	3
5	MP1A	Z	43.309	3
6	MP1A	Mx	0	3
7	MP1B	X	40.779	1
8	MP1B	Z	23.544	1
9	MP1B	Mx	-.02	1
10	MP1B	X	40.779	3
11	MP1B	Z	23.544	3
12	MP1B	Mx	-.02	3
13	MP4C	X	30.744	1
14	MP4C	Z	17.75	1
15	MP4C	Mx	.017	1
16	MP4C	X	30.744	3
17	MP4C	Z	17.75	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.017	3
19	MP5B	X	73.637	1
20	MP5B	Z	42.514	1
21	MP5B	Mx	.007	1
22	MP5B	X	73.637	3
23	MP5B	Z	42.514	3
24	MP5B	Mx	.007	3
25	MP1A	X	27.721	4.5
26	MP1A	Z	16.004	4.5
27	MP1A	Mx	-.003	4.5
28	MP1B	X	8.243	4.5
29	MP1B	Z	4.759	4.5
30	MP1B	Mx	-.004	4.5
31	MP4C	X	6.26	4.5
32	MP4C	Z	3.614	4.5
33	MP4C	Mx	.004	4.5
34	MP5B	X	27.721	4.5
35	MP5B	Z	16.004	4.5
36	MP5B	Mx	.003	4.5
37	MP1C	X	11.811	3
38	MP1C	Z	6.819	3
39	MP1C	Mx	0	3
40	MP2B	X	11.811	3
41	MP2B	Z	6.819	3
42	MP2B	Mx	0	3
43	MP2A	X	44.848	1
44	MP2A	Z	25.893	1
45	MP2A	Mx	.022	1
46	MP2C	X	40.497	1
47	MP2C	Z	23.381	1
48	MP2C	Mx	-.023	1
49	MP3B	X	59.691	1
50	MP3B	Z	34.463	1
51	MP3B	Mx	0	1
52	MP4A	X	44.848	1
53	MP4A	Z	25.893	1
54	MP4A	Mx	.022	1
55	MP4C	X	40.497	1
56	MP4C	Z	23.381	1
57	MP4C	Mx	-.023	1
58	MP2B	X	58.866	1
59	MP2B	Z	33.986	1
60	MP2B	Mx	-.006	1
61	MP3A	X	39.162	1
62	MP3A	Z	22.61	1
63	MP3A	Mx	.02	1
64	MP3C	X	33.145	1
65	MP3C	Z	19.136	1
66	MP3C	Mx	-.019	1
67	MP5A	X	39.162	1
68	MP5A	Z	22.61	1
69	MP5A	Mx	.02	1
70	MP5C	X	33.145	1
71	MP5C	Z	19.136	1
72	MP5C	Mx	-.019	1
73	MP2C	X	35.882	2
74	MP2C	Z	20.716	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	.021	2
76	MP2C	X	35.882	5
77	MP2C	Z	20.716	5
78	MP2C	Mx	.021	5
79	MP4A	X	75.332	2
80	MP4A	Z	43.493	2
81	MP4A	Mx	0	2
82	MP4A	X	75.332	5
83	MP4A	Z	43.493	5
84	MP4A	Mx	0	5
85	MP4B	X	75.332	2
86	MP4B	Z	43.493	2
87	MP4B	Mx	0	2
88	MP4B	X	75.332	5
89	MP4B	Z	43.493	5
90	MP4B	Mx	0	5
91	MP1C	X	179.003	1
92	MP1C	Z	103.348	1
93	MP1C	Mx	.157	1
94	MP1C	X	179.003	5
95	MP1C	Z	103.348	5
96	MP1C	Mx	.157	5
97	MP1C	X	179.003	1
98	MP1C	Z	103.348	1
99	MP1C	Mx	-.115	1
100	MP1C	X	179.003	5
101	MP1C	Z	103.348	5
102	MP1C	Mx	-.115	5
103	MP2B	X	108.729	1
104	MP2B	Z	62.775	1
105	MP2B	Mx	-.022	1
106	MP2B	X	108.729	5
107	MP2B	Z	62.775	5
108	MP2B	Mx	-.022	5
109	MP2B	X	108.729	1
110	MP2B	Z	62.775	1
111	MP2B	Mx	-.105	1
112	MP2B	X	108.729	5
113	MP2B	Z	62.775	5
114	MP2B	Mx	-.105	5
115	MP6A	X	143.893	2
116	MP6A	Z	83.077	2
117	MP6A	Mx	.081	2
118	MP6A	X	143.893	6
119	MP6A	Z	83.077	6
120	MP6A	Mx	.081	6
121	MP6A	X	143.893	2
122	MP6A	Z	83.077	2
123	MP6A	Mx	-.11	2
124	MP6A	X	143.893	6
125	MP6A	Z	83.077	6
126	MP6A	Mx	-.11	6
127	MP6C	X	97	2
128	MP6C	Z	56.003	2
129	MP6C	Mx	.066	2
130	MP6C	X	97	6
131	MP6C	Z	56.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
132	MP6C	Mx	.066	6
133	MP6C	X	97	2
134	MP6C	Z	56.003	2
135	MP6C	Mx	.044	2
136	MP6C	X	97	6
137	MP6C	Z	56.003	6
138	MP6C	Mx	.044	6
139	MP6B	X	59.691	1.5
140	MP6B	Z	34.463	1.5
141	MP6B	Mx	0	1.5
142	MPB	X	59.691	1.5
143	MPB	Z	34.463	1.5
144	MPB	Mx	0	1.5
145	MP6A	X	9.081	5
146	MP6A	Z	5.243	5
147	MP6A	Mx	.003	5
148	MP6C	X	9.081	5
149	MP6C	Z	5.243	5
150	MP6C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	36.72	1
2	MP1A	Z	63.602	1
3	MP1A	Mx	.018	1
4	MP1A	X	36.72	3
5	MP1A	Z	63.602	3
6	MP1A	Mx	.018	3
7	MP1B	X	16.955	1
8	MP1B	Z	29.368	1
9	MP1B	Mx	-.017	1
10	MP1B	X	16.955	3
11	MP1B	Z	29.368	3
12	MP1B	Mx	-.017	3
13	MP4C	X	20.038	1
14	MP4C	Z	34.707	1
15	MP4C	Mx	.019	1
16	MP4C	X	20.038	3
17	MP4C	Z	34.707	3
18	MP4C	Mx	.019	3
19	MP5B	X	40.226	1
20	MP5B	Z	69.674	1
21	MP5B	Mx	-.014	1
22	MP5B	X	40.226	3
23	MP5B	Z	69.674	3
24	MP5B	Mx	-.014	3
25	MP1A	X	14.86	4.5
26	MP1A	Z	25.738	4.5
27	MP1A	Mx	.005	4.5
28	MP1B	X	3.614	4.5
29	MP1B	Z	6.26	4.5
30	MP1B	Mx	-.004	4.5
31	MP4C	X	4.759	4.5
32	MP4C	Z	8.243	4.5
33	MP4C	Mx	.004	4.5
34	MP5B	X	14.86	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP5B	Z	25.738	4.5
36	MP5B	Mx	-.005	4.5
37	MP1C	X	6.294	3
38	MP1C	Z	10.901	3
39	MP1C	Mx	.003	3
40	MP2B	X	6.294	3
41	MP2B	Z	10.901	3
42	MP2B	Mx	.003	3
43	MP2A	X	31.606	1
44	MP2A	Z	54.744	1
45	MP2A	Mx	.016	1
46	MP2C	X	24.373	1
47	MP2C	Z	42.216	1
48	MP2C	Mx	-.023	1
49	MP3B	X	31.606	1
50	MP3B	Z	54.744	1
51	MP3B	Mx	.016	1
52	MP4A	X	31.606	1
53	MP4A	Z	54.744	1
54	MP4A	Mx	.016	1
55	MP4C	X	24.373	1
56	MP4C	Z	42.216	1
57	MP4C	Mx	-.023	1
58	MP2B	X	32.614	1
59	MP2B	Z	56.489	1
60	MP2B	Mx	.011	1
61	MP3A	X	30.512	1
62	MP3A	Z	52.848	1
63	MP3A	Mx	.015	1
64	MP3C	X	20.508	1
65	MP3C	Z	35.521	1
66	MP3C	Mx	-.019	1
67	MP5A	X	30.512	1
68	MP5A	Z	52.848	1
69	MP5A	Mx	.015	1
70	MP5C	X	20.508	1
71	MP5C	Z	35.521	1
72	MP5C	Mx	-.019	1
73	MP2C	X	26.411	2
74	MP2C	Z	45.745	2
75	MP2C	Mx	.023	2
76	MP2C	X	26.411	5
77	MP2C	Z	45.745	5
78	MP2C	Mx	.023	5
79	MP4A	X	37.799	2
80	MP4A	Z	65.47	2
81	MP4A	Mx	.019	2
82	MP4A	X	37.799	5
83	MP4A	Z	65.47	5
84	MP4A	Mx	.019	5
85	MP4B	X	37.799	2
86	MP4B	Z	65.47	2
87	MP4B	Mx	-.019	2
88	MP4B	X	37.799	5
89	MP4B	Z	65.47	5
90	MP4B	Mx	-.019	5
91	MP1C	X	98.454	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	170.527	1
93	MP1C	Mx	.084	1
94	MP1C	X	98.454	5
95	MP1C	Z	170.527	5
96	MP1C	Mx	.084	5
97	MP1C	X	98.454	1
98	MP1C	Z	170.527	1
99	MP1C	Mx	-.163	1
100	MP1C	X	98.454	5
101	MP1C	Z	170.527	5
102	MP1C	Mx	-.163	5
103	MP2B	X	48.684	1
104	MP2B	Z	84.323	1
105	MP2B	Mx	-.057	1
106	MP2B	X	48.684	5
107	MP2B	Z	84.323	5
108	MP2B	Mx	-.057	5
109	MP2B	X	48.684	1
110	MP2B	Z	84.323	1
111	MP2B	Mx	-.057	1
112	MP2B	X	48.684	5
113	MP2B	Z	84.323	5
114	MP2B	Mx	-.057	5
115	MP6A	X	80.575	2
116	MP6A	Z	139.56	2
117	MP6A	Mx	.116	2
118	MP6A	X	80.575	6
119	MP6A	Z	139.56	6
120	MP6A	Mx	.116	6
121	MP6A	X	80.575	2
122	MP6A	Z	139.56	2
123	MP6A	Mx	-.061	2
124	MP6A	X	80.575	6
125	MP6A	Z	139.56	6
126	MP6A	Mx	-.061	6
127	MP6C	X	58.505	2
128	MP6C	Z	101.333	2
129	MP6C	Mx	.032	2
130	MP6C	X	58.505	6
131	MP6C	Z	101.333	6
132	MP6C	Mx	.032	6
133	MP6C	X	58.505	2
134	MP6C	Z	101.333	2
135	MP6C	Mx	.078	2
136	MP6C	X	58.505	6
137	MP6C	Z	101.333	6
138	MP6C	Mx	.078	6
139	MP6B	X	30.512	1.5
140	MP6B	Z	52.848	1.5
141	MP6B	Mx	.01	1.5
142	MPB	X	31.606	1.5
143	MPB	Z	54.744	1.5
144	MPB	Mx	.011	1.5
145	MP6A	X	6.294	5
146	MP6A	Z	10.901	5
147	MP6A	Mx	.002	5
148	MP6C	X	4.718	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
149	MP6C	Z	8.172	5
150	MP6C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	47.087	1
3	MP1A	Mx	.02	1
4	MP1A	X	0	3
5	MP1A	Z	47.087	3
6	MP1A	Mx	.02	3
7	MP1B	X	0	1
8	MP1B	Z	47.087	1
9	MP1B	Mx	-.02	1
10	MP1B	X	0	3
11	MP1B	Z	47.087	3
12	MP1B	Mx	-.02	3
13	MP4C	X	0	1
14	MP4C	Z	64.84	1
15	MP4C	Mx	.021	1
16	MP4C	X	0	3
17	MP4C	Z	64.84	3
18	MP4C	Mx	.021	3
19	MP5B	X	0	1
20	MP5B	Z	55.688	1
21	MP5B	Mx	-.021	1
22	MP5B	X	0	3
23	MP5B	Z	55.688	3
24	MP5B	Mx	-.021	3
25	MP1A	X	0	4.5
26	MP1A	Z	17.329	4.5
27	MP1A	Mx	.007	4.5
28	MP1B	X	0	4.5
29	MP1B	Z	17.329	4.5
30	MP1B	Mx	-.007	4.5
31	MP4C	X	0	4.5
32	MP4C	Z	21.908	4.5
33	MP4C	Mx	.007	4.5
34	MP5B	X	0	4.5
35	MP5B	Z	17.329	4.5
36	MP5B	Mx	-.007	4.5
37	MP1C	X	0	3
38	MP1C	Z	10.486	3
39	MP1C	Mx	.005	3
40	MP2B	X	0	3
41	MP2B	Z	10.486	3
42	MP2B	Mx	.005	3
43	MP2A	X	0	1
44	MP2A	Z	68.926	1
45	MP2A	Mx	0	1
46	MP2C	X	0	1
47	MP2C	Z	59.484	1
48	MP2C	Mx	-.019	1
49	MP3B	X	0	1
50	MP3B	Z	51.786	1
51	MP3B	Mx	.022	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4A	X	0	1
53	MP4A	Z	68.926	1
54	MP4A	Mx	0	1
55	MP4C	X	0	1
56	MP4C	Z	59.484	1
57	MP4C	Mx	-.019	1
58	MP2B	X	0	1
59	MP2B	Z	50.378	1
60	MP2B	Mx	.019	1
61	MP3A	X	0	1
62	MP3A	Z	68.926	1
63	MP3A	Mx	0	1
64	MP3C	X	0	1
65	MP3C	Z	55.867	1
66	MP3C	Mx	-.018	1
67	MP5A	X	0	1
68	MP5A	Z	68.926	1
69	MP5A	Mx	0	1
70	MP5C	X	0	1
71	MP5C	Z	55.867	1
72	MP5C	Mx	-.018	1
73	MP2C	X	0	2
74	MP2C	Z	75.598	2
75	MP2C	Mx	.019	2
76	MP2C	X	0	5
77	MP2C	Z	75.598	5
78	MP2C	Mx	.019	5
79	MP4A	X	0	2
80	MP4A	Z	52.821	2
81	MP4A	Mx	.023	2
82	MP4A	X	0	5
83	MP4A	Z	52.821	5
84	MP4A	Mx	.023	5
85	MP4B	X	0	2
86	MP4B	Z	52.821	2
87	MP4B	Mx	-.023	2
88	MP4B	X	0	5
89	MP4B	Z	52.821	5
90	MP4B	Mx	-.023	5
91	MP1C	X	0	1
92	MP1C	Z	143.944	1
93	MP1C	Mx	-.003	1
94	MP1C	X	0	5
95	MP1C	Z	143.944	5
96	MP1C	Mx	-.003	5
97	MP1C	X	0	1
98	MP1C	Z	143.944	1
99	MP1C	Mx	-.126	1
100	MP1C	X	0	5
101	MP1C	Z	143.944	5
102	MP1C	Mx	-.126	5
103	MP2B	X	0	1
104	MP2B	Z	125.55	1
105	MP2B	Mx	-.105	1
106	MP2B	X	0	5
107	MP2B	Z	125.55	5
108	MP2B	Mx	-.105	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP2B	X	0	1
110	MP2B	Z	125.55	1
111	MP2B	Mx	-.022	1
112	MP2B	X	0	5
113	MP2B	Z	125.55	5
114	MP2B	Mx	-.022	5
115	MP6A	X	0	2
116	MP6A	Z	134.077	2
117	MP6A	Mx	.102	2
118	MP6A	X	0	6
119	MP6A	Z	134.077	6
120	MP6A	Mx	.102	6
121	MP6A	X	0	2
122	MP6A	Z	134.077	2
123	MP6A	Mx	.001	2
124	MP6A	X	0	6
125	MP6A	Z	134.077	6
126	MP6A	Mx	.001	6
127	MP6C	X	0	2
128	MP6C	Z	144.083	2
129	MP6C	Mx	-.018	2
130	MP6C	X	0	6
131	MP6C	Z	144.083	6
132	MP6C	Mx	-.018	6
133	MP6C	X	0	2
134	MP6C	Z	144.083	2
135	MP6C	Mx	.111	2
136	MP6C	X	0	6
137	MP6C	Z	144.083	6
138	MP6C	Mx	.111	6
139	MP6B	X	0	1.5
140	MP6B	Z	45.221	1.5
141	MP6B	Mx	.013	1.5
142	MPB	X	0	1.5
143	MPB	Z	51.786	1.5
144	MPB	Mx	.015	1.5
145	MP6A	X	0	5
146	MP6A	Z	13.638	5
147	MP6A	Mx	0	5
148	MP6C	X	0	5
149	MP6C	Z	10.486	5
150	MP6C	Mx	-.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-16.955	1
2	MP1A	Z	29.368	1
3	MP1A	Mx	.017	1
4	MP1A	X	-16.955	3
5	MP1A	Z	29.368	3
6	MP1A	Mx	.017	3
7	MP1B	X	-36.72	1
8	MP1B	Z	63.602	1
9	MP1B	Mx	-.018	1
10	MP1B	X	-36.72	3
11	MP1B	Z	63.602	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	-.018	3
13	MP4C	X	-42.514	1
14	MP4C	Z	73.637	1
15	MP4C	Mx	.007	1
16	MP4C	X	-42.514	3
17	MP4C	Z	73.637	3
18	MP4C	Mx	.007	3
19	MP5B	X	-17.75	1
20	MP5B	Z	30.744	1
21	MP5B	Mx	-.017	1
22	MP5B	X	-17.75	3
23	MP5B	Z	30.744	3
24	MP5B	Mx	-.017	3
25	MP1A	X	-3.614	4.5
26	MP1A	Z	6.26	4.5
27	MP1A	Mx	.004	4.5
28	MP1B	X	-14.86	4.5
29	MP1B	Z	25.738	4.5
30	MP1B	Mx	-.005	4.5
31	MP4C	X	-16.004	4.5
32	MP4C	Z	27.721	4.5
33	MP4C	Mx	.003	4.5
34	MP5B	X	-3.614	4.5
35	MP5B	Z	6.26	4.5
36	MP5B	Mx	-.004	4.5
37	MP1C	X	-4.718	3
38	MP1C	Z	8.172	3
39	MP1C	Mx	.005	3
40	MP2B	X	-4.718	3
41	MP2B	Z	8.172	3
42	MP2B	Mx	.005	3
43	MP2A	X	-31.606	1
44	MP2A	Z	54.744	1
45	MP2A	Mx	-.016	1
46	MP2C	X	-34.118	1
47	MP2C	Z	59.095	1
48	MP2C	Mx	-.006	1
49	MP3B	X	-23.037	1
50	MP3B	Z	39.901	1
51	MP3B	Mx	.023	1
52	MP4A	X	-31.606	1
53	MP4A	Z	54.744	1
54	MP4A	Mx	-.016	1
55	MP4C	X	-34.118	1
56	MP4C	Z	59.095	1
57	MP4C	Mx	-.006	1
58	MP2B	X	-19.136	1
59	MP2B	Z	33.145	1
60	MP2B	Mx	.019	1
61	MP3A	X	-30.512	1
62	MP3A	Z	52.848	1
63	MP3A	Mx	-.015	1
64	MP3C	X	-33.986	1
65	MP3C	Z	58.866	1
66	MP3C	Mx	-.006	1
67	MP5A	X	-30.512	1
68	MP5A	Z	52.848	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5A	Mx	-.015	1
70	MP5C	X	-33.986	1
71	MP5C	Z	58.866	1
72	MP5C	Mx	-.006	1
73	MP2C	X	-43.493	2
74	MP2C	Z	75.332	2
75	MP2C	Mx	0	2
76	MP2C	X	-43.493	5
77	MP2C	Z	75.332	5
78	MP2C	Mx	0	5
79	MP4A	X	-20.716	2
80	MP4A	Z	35.882	2
81	MP4A	Mx	.021	2
82	MP4A	X	-20.716	5
83	MP4A	Z	35.882	5
84	MP4A	Mx	.021	5
85	MP4B	X	-20.716	2
86	MP4B	Z	35.882	2
87	MP4B	Mx	-.021	2
88	MP4B	X	-20.716	5
89	MP4B	Z	35.882	5
90	MP4B	Mx	-.021	5
91	MP1C	X	-50.384	1
92	MP1C	Z	87.267	1
93	MP1C	Mx	-.046	1
94	MP1C	X	-50.384	5
95	MP1C	Z	87.267	5
96	MP1C	Mx	-.046	5
97	MP1C	X	-50.384	1
98	MP1C	Z	87.267	1
99	MP1C	Mx	-.07	1
100	MP1C	X	-50.384	5
101	MP1C	Z	87.267	5
102	MP1C	Mx	-.07	5
103	MP2B	X	-90.956	1
104	MP2B	Z	157.541	1
105	MP2B	Mx	-.158	1
106	MP2B	X	-90.956	5
107	MP2B	Z	157.541	5
108	MP2B	Mx	-.158	5
109	MP2B	X	-90.956	1
110	MP2B	Z	157.541	1
111	MP2B	Mx	.052	1
112	MP2B	X	-90.956	5
113	MP2B	Z	157.541	5
114	MP2B	Mx	.052	5
115	MP6A	X	-56.003	2
116	MP6A	Z	97	2
117	MP6A	Mx	.066	2
118	MP6A	X	-56.003	6
119	MP6A	Z	97	6
120	MP6A	Mx	.066	6
121	MP6A	X	-56.003	2
122	MP6A	Z	97	2
123	MP6A	Mx	.044	2
124	MP6A	X	-56.003	6
125	MP6A	Z	97	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
126	MP6A	Mx	.044	6
127	MP6C	X	-83.077	2
128	MP6C	Z	143.893	2
129	MP6C	Mx	-.081	2
130	MP6C	X	-83.077	6
131	MP6C	Z	143.893	6
132	MP6C	Mx	-.081	6
133	MP6C	X	-83.077	2
134	MP6C	Z	143.893	2
135	MP6C	Mx	.11	2
136	MP6C	X	-83.077	6
137	MP6C	Z	143.893	6
138	MP6C	Mx	.11	6
139	MP6B	X	-18.66	1.5
140	MP6B	Z	32.32	1.5
141	MP6B	Mx	.012	1.5
142	MPB	X	-23.037	1.5
143	MPB	Z	39.901	1.5
144	MPB	Mx	.015	1.5
145	MP6A	X	-6.294	5
146	MP6A	Z	10.901	5
147	MP6A	Mx	-.002	5
148	MP6C	X	-6.294	5
149	MP6C	Z	10.901	5
150	MP6C	Mx	-.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-40.779	1
2	MP1A	Z	23.544	1
3	MP1A	Mx	.02	1
4	MP1A	X	-40.779	3
5	MP1A	Z	23.544	3
6	MP1A	Mx	.02	3
7	MP1B	X	-75.013	1
8	MP1B	Z	43.309	1
9	MP1B	Mx	0	1
10	MP1B	X	-75.013	3
11	MP1B	Z	43.309	3
12	MP1B	Mx	0	3
13	MP4C	X	-69.674	1
14	MP4C	Z	40.226	1
15	MP4C	Mx	-.014	1
16	MP4C	X	-69.674	3
17	MP4C	Z	40.226	3
18	MP4C	Mx	-.014	3
19	MP5B	X	-34.707	1
20	MP5B	Z	20.038	1
21	MP5B	Mx	-.019	1
22	MP5B	X	-34.707	3
23	MP5B	Z	20.038	3
24	MP5B	Mx	-.019	3
25	MP1A	X	-8.243	4.5
26	MP1A	Z	4.759	4.5
27	MP1A	Mx	.004	4.5
28	MP1B	X	-27.721	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	16.004	4.5
30	MP1B	Mx	.003	4.5
31	MP4C	X	-25.738	4.5
32	MP4C	Z	14.86	4.5
33	MP4C	Mx	-.005	4.5
34	MP5B	X	-8.243	4.5
35	MP5B	Z	4.759	4.5
36	MP5B	Mx	-.004	4.5
37	MP1C	X	-9.081	3
38	MP1C	Z	5.243	3
39	MP1C	Mx	.005	3
40	MP2B	X	-9.081	3
41	MP2B	Z	5.243	3
42	MP2B	Mx	.005	3
43	MP2A	X	-44.848	1
44	MP2A	Z	25.893	1
45	MP2A	Mx	-.022	1
46	MP2C	X	-57.376	1
47	MP2C	Z	33.126	1
48	MP2C	Mx	.011	1
49	MP3B	X	-44.848	1
50	MP3B	Z	25.893	1
51	MP3B	Mx	.022	1
52	MP4A	X	-44.848	1
53	MP4A	Z	25.893	1
54	MP4A	Mx	-.022	1
55	MP4C	X	-57.376	1
56	MP4C	Z	33.126	1
57	MP4C	Mx	.011	1
58	MP2B	X	-35.521	1
59	MP2B	Z	20.508	1
60	MP2B	Mx	.019	1
61	MP3A	X	-39.162	1
62	MP3A	Z	22.61	1
63	MP3A	Mx	-.02	1
64	MP3C	X	-56.489	1
65	MP3C	Z	32.614	1
66	MP3C	Mx	.011	1
67	MP5A	X	-39.162	1
68	MP5A	Z	22.61	1
69	MP5A	Mx	-.02	1
70	MP5C	X	-56.489	1
71	MP5C	Z	32.614	1
72	MP5C	Mx	.011	1
73	MP2C	X	-65.47	2
74	MP2C	Z	37.799	2
75	MP2C	Mx	-.019	2
76	MP2C	X	-65.47	5
77	MP2C	Z	37.799	5
78	MP2C	Mx	-.019	5
79	MP4A	X	-45.745	2
80	MP4A	Z	26.411	2
81	MP4A	Mx	.023	2
82	MP4A	X	-45.745	5
83	MP4A	Z	26.411	5
84	MP4A	Mx	.023	5
85	MP4B	X	-45.745	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	26.411	2
87	MP4B	Mx	-.023	2
88	MP4B	X	-45.745	5
89	MP4B	Z	26.411	5
90	MP4B	Mx	-.023	5
91	MP1C	X	-95.743	1
92	MP1C	Z	55.277	1
93	MP1C	Mx	-.086	1
94	MP1C	X	-95.743	5
95	MP1C	Z	55.277	5
96	MP1C	Mx	-.086	5
97	MP1C	X	-95.743	1
98	MP1C	Z	55.277	1
99	MP1C	Mx	-.035	1
100	MP1C	X	-95.743	5
101	MP1C	Z	55.277	5
102	MP1C	Mx	-.035	5
103	MP2B	X	-181.947	1
104	MP2B	Z	105.047	1
105	MP2B	Mx	-.14	1
106	MP2B	X	-181.947	5
107	MP2B	Z	105.047	5
108	MP2B	Mx	-.14	5
109	MP2B	X	-181.947	1
110	MP2B	Z	105.047	1
111	MP2B	Mx	.14	1
112	MP2B	X	-181.947	5
113	MP2B	Z	105.047	5
114	MP2B	Mx	.14	5
115	MP6A	X	-101.333	2
116	MP6A	Z	58.505	2
117	MP6A	Mx	.032	2
118	MP6A	X	-101.333	6
119	MP6A	Z	58.505	6
120	MP6A	Mx	.032	6
121	MP6A	X	-101.333	2
122	MP6A	Z	58.505	2
123	MP6A	Mx	.078	2
124	MP6A	X	-101.333	6
125	MP6A	Z	58.505	6
126	MP6A	Mx	.078	6
127	MP6C	X	-139.56	2
128	MP6C	Z	80.575	2
129	MP6C	Mx	-.116	2
130	MP6C	X	-139.56	6
131	MP6C	Z	80.575	6
132	MP6C	Mx	-.116	6
133	MP6C	X	-139.56	2
134	MP6C	Z	80.575	2
135	MP6C	Mx	.061	2
136	MP6C	X	-139.56	6
137	MP6C	Z	80.575	6
138	MP6C	Mx	.061	6
139	MP6B	X	-39.162	1.5
140	MP6B	Z	22.61	1.5
141	MP6B	Mx	.013	1.5
142	MPB	X	-44.848	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
143	MPB	Z	25.893	1.5
144	MPB	Mx	.015	1.5
145	MP6A	X	-9.081	5
146	MP6A	Z	5.243	5
147	MP6A	Mx	-.003	5
148	MP6C	X	-11.811	5
149	MP6C	Z	6.819	5
150	MP6C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-73.441	1
2	MP1A	Z	0	1
3	MP1A	Mx	.018	1
4	MP1A	X	-73.441	3
5	MP1A	Z	0	3
6	MP1A	Mx	.018	3
7	MP1B	X	-73.441	1
8	MP1B	Z	0	1
9	MP1B	Mx	.018	1
10	MP1B	X	-73.441	3
11	MP1B	Z	0	3
12	MP1B	Mx	.018	3
13	MP4C	X	-55.688	1
14	MP4C	Z	0	1
15	MP4C	Mx	-.021	1
16	MP4C	X	-55.688	3
17	MP4C	Z	0	3
18	MP4C	Mx	-.021	3
19	MP5B	X	-64.84	1
20	MP5B	Z	0	1
21	MP5B	Mx	-.021	1
22	MP5B	X	-64.84	3
23	MP5B	Z	0	3
24	MP5B	Mx	-.021	3
25	MP1A	X	-21.908	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	.007	4.5
28	MP1B	X	-21.908	4.5
29	MP1B	Z	0	4.5
30	MP1B	Mx	.007	4.5
31	MP4C	X	-17.329	4.5
32	MP4C	Z	0	4.5
33	MP4C	Mx	-.007	4.5
34	MP5B	X	-21.908	4.5
35	MP5B	Z	0	4.5
36	MP5B	Mx	-.007	4.5
37	MP1C	X	-12.587	3
38	MP1C	Z	0	3
39	MP1C	Mx	.003	3
40	MP2B	X	-12.587	3
41	MP2B	Z	0	3
42	MP2B	Mx	.003	3
43	MP2A	X	-46.073	1
44	MP2A	Z	0	1
45	MP2A	Mx	-.023	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2C	X	-55.515	1
47	MP2C	Z	0	1
48	MP2C	Mx	.021	1
49	MP3B	X	-63.213	1
50	MP3B	Z	0	1
51	MP3B	Mx	.016	1
52	MP4A	X	-46.073	1
53	MP4A	Z	0	1
54	MP4A	Mx	-.023	1
55	MP4C	X	-55.515	1
56	MP4C	Z	0	1
57	MP4C	Mx	.021	1
58	MP2B	X	-55.867	1
59	MP2B	Z	0	1
60	MP2B	Mx	.018	1
61	MP3A	X	-37.319	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.019	1
64	MP3C	X	-50.378	1
65	MP3C	Z	0	1
66	MP3C	Mx	.019	1
67	MP5A	X	-37.319	1
68	MP5A	Z	0	1
69	MP5A	Mx	-.019	1
70	MP5C	X	-50.378	1
71	MP5C	Z	0	1
72	MP5C	Mx	.019	1
73	MP2C	X	-52.821	2
74	MP2C	Z	0	2
75	MP2C	Mx	-.023	2
76	MP2C	X	-52.821	5
77	MP2C	Z	0	5
78	MP2C	Mx	-.023	5
79	MP4A	X	-75.598	2
80	MP4A	Z	0	2
81	MP4A	Mx	.019	2
82	MP4A	X	-75.598	5
83	MP4A	Z	0	5
84	MP4A	Mx	.019	5
85	MP4B	X	-75.598	2
86	MP4B	Z	0	2
87	MP4B	Mx	-.019	2
88	MP4B	X	-75.598	5
89	MP4B	Z	0	5
90	MP4B	Mx	-.019	5
91	MP1C	X	-163.518	1
92	MP1C	Z	0	1
93	MP1C	Mx	-.145	1
94	MP1C	X	-163.518	5
95	MP1C	Z	0	5
96	MP1C	Mx	-.145	5
97	MP1C	X	-163.518	1
98	MP1C	Z	0	1
99	MP1C	Mx	.022	1
100	MP1C	X	-163.518	5
101	MP1C	Z	0	5
102	MP1C	Mx	.022	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP2B	X	-181.913	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.052	1
106	MP2B	X	-181.913	5
107	MP2B	Z	0	5
108	MP2B	Mx	-.052	5
109	MP2B	X	-181.913	1
110	MP2B	Z	0	1
111	MP2B	Mx	.158	1
112	MP2B	X	-181.913	5
113	MP2B	Z	0	5
114	MP2B	Mx	.158	5
115	MP6A	X	-144.083	2
116	MP6A	Z	0	2
117	MP6A	Mx	-.018	2
118	MP6A	X	-144.083	6
119	MP6A	Z	0	6
120	MP6A	Mx	-.018	6
121	MP6A	X	-144.083	2
122	MP6A	Z	0	2
123	MP6A	Mx	.111	2
124	MP6A	X	-144.083	6
125	MP6A	Z	0	6
126	MP6A	Mx	.111	6
127	MP6C	X	-134.077	2
128	MP6C	Z	0	2
129	MP6C	Mx	-.102	2
130	MP6C	X	-134.077	6
131	MP6C	Z	0	6
132	MP6C	Mx	-.102	6
133	MP6C	X	-134.077	2
134	MP6C	Z	0	2
135	MP6C	Mx	-.001	2
136	MP6C	X	-134.077	6
137	MP6C	Z	0	6
138	MP6C	Mx	-.001	6
139	MP6B	X	-61.024	1.5
140	MP6B	Z	0	1.5
141	MP6B	Mx	.01	1.5
142	MPB	X	-63.213	1.5
143	MPB	Z	0	1.5
144	MPB	Mx	.011	1.5
145	MP6A	X	-9.436	5
146	MP6A	Z	0	5
147	MP6A	Mx	-.003	5
148	MP6C	X	-12.587	5
149	MP6C	Z	0	5
150	MP6C	Mx	.002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-75.013	1
2	MP1A	Z	-43.309	1
3	MP1A	Mx	0	1
4	MP1A	X	-75.013	3
5	MP1A	Z	-43.309	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	0	3
7	MP1B	X	-40.779	1
8	MP1B	Z	-23.544	1
9	MP1B	Mx	.02	1
10	MP1B	X	-40.779	3
11	MP1B	Z	-23.544	3
12	MP1B	Mx	.02	3
13	MP4C	X	-30.744	1
14	MP4C	Z	-17.75	1
15	MP4C	Mx	-.017	1
16	MP4C	X	-30.744	3
17	MP4C	Z	-17.75	3
18	MP4C	Mx	-.017	3
19	MP5B	X	-73.637	1
20	MP5B	Z	-42.514	1
21	MP5B	Mx	-.007	1
22	MP5B	X	-73.637	3
23	MP5B	Z	-42.514	3
24	MP5B	Mx	-.007	3
25	MP1A	X	-27.721	4.5
26	MP1A	Z	-16.004	4.5
27	MP1A	Mx	.003	4.5
28	MP1B	X	-8.243	4.5
29	MP1B	Z	-4.759	4.5
30	MP1B	Mx	.004	4.5
31	MP4C	X	-6.26	4.5
32	MP4C	Z	-3.614	4.5
33	MP4C	Mx	-.004	4.5
34	MP5B	X	-27.721	4.5
35	MP5B	Z	-16.004	4.5
36	MP5B	Mx	-.003	4.5
37	MP1C	X	-11.811	3
38	MP1C	Z	-6.819	3
39	MP1C	Mx	0	3
40	MP2B	X	-11.811	3
41	MP2B	Z	-6.819	3
42	MP2B	Mx	0	3
43	MP2A	X	-44.848	1
44	MP2A	Z	-25.893	1
45	MP2A	Mx	-.022	1
46	MP2C	X	-40.497	1
47	MP2C	Z	-23.381	1
48	MP2C	Mx	.023	1
49	MP3B	X	-59.691	1
50	MP3B	Z	-34.463	1
51	MP3B	Mx	0	1
52	MP4A	X	-44.848	1
53	MP4A	Z	-25.893	1
54	MP4A	Mx	-.022	1
55	MP4C	X	-40.497	1
56	MP4C	Z	-23.381	1
57	MP4C	Mx	.023	1
58	MP2B	X	-58.866	1
59	MP2B	Z	-33.986	1
60	MP2B	Mx	.006	1
61	MP3A	X	-39.162	1
62	MP3A	Z	-22.61	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3A	Mx	-.02	1
64	MP3C	X	-33.145	1
65	MP3C	Z	-19.136	1
66	MP3C	Mx	.019	1
67	MP5A	X	-39.162	1
68	MP5A	Z	-22.61	1
69	MP5A	Mx	-.02	1
70	MP5C	X	-33.145	1
71	MP5C	Z	-19.136	1
72	MP5C	Mx	.019	1
73	MP2C	X	-35.882	2
74	MP2C	Z	-20.716	2
75	MP2C	Mx	-.021	2
76	MP2C	X	-35.882	5
77	MP2C	Z	-20.716	5
78	MP2C	Mx	-.021	5
79	MP4A	X	-75.332	2
80	MP4A	Z	-43.493	2
81	MP4A	Mx	0	2
82	MP4A	X	-75.332	5
83	MP4A	Z	-43.493	5
84	MP4A	Mx	0	5
85	MP4B	X	-75.332	2
86	MP4B	Z	-43.493	2
87	MP4B	Mx	0	2
88	MP4B	X	-75.332	5
89	MP4B	Z	-43.493	5
90	MP4B	Mx	0	5
91	MP1C	X	-179.003	1
92	MP1C	Z	-103.348	1
93	MP1C	Mx	-.157	1
94	MP1C	X	-179.003	5
95	MP1C	Z	-103.348	5
96	MP1C	Mx	-.157	5
97	MP1C	X	-179.003	1
98	MP1C	Z	-103.348	1
99	MP1C	Mx	.115	1
100	MP1C	X	-179.003	5
101	MP1C	Z	-103.348	5
102	MP1C	Mx	.115	5
103	MP2B	X	-108.729	1
104	MP2B	Z	-62.775	1
105	MP2B	Mx	.022	1
106	MP2B	X	-108.729	5
107	MP2B	Z	-62.775	5
108	MP2B	Mx	.022	5
109	MP2B	X	-108.729	1
110	MP2B	Z	-62.775	1
111	MP2B	Mx	.105	1
112	MP2B	X	-108.729	5
113	MP2B	Z	-62.775	5
114	MP2B	Mx	.105	5
115	MP6A	X	-143.893	2
116	MP6A	Z	-83.077	2
117	MP6A	Mx	-.081	2
118	MP6A	X	-143.893	6
119	MP6A	Z	-83.077	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP6A	Mx	-.081	6
121	MP6A	X	-143.893	2
122	MP6A	Z	-83.077	2
123	MP6A	Mx	.11	2
124	MP6A	X	-143.893	6
125	MP6A	Z	-83.077	6
126	MP6A	Mx	.11	6
127	MP6C	X	-97	2
128	MP6C	Z	-56.003	2
129	MP6C	Mx	-.066	2
130	MP6C	X	-97	6
131	MP6C	Z	-56.003	6
132	MP6C	Mx	-.066	6
133	MP6C	X	-97	2
134	MP6C	Z	-56.003	2
135	MP6C	Mx	-.044	2
136	MP6C	X	-97	6
137	MP6C	Z	-56.003	6
138	MP6C	Mx	-.044	6
139	MP6B	X	-59.691	1.5
140	MP6B	Z	-34.463	1.5
141	MP6B	Mx	0	1.5
142	MPB	X	-59.691	1.5
143	MPB	Z	-34.463	1.5
144	MPB	Mx	0	1.5
145	MP6A	X	-9.081	5
146	MP6A	Z	-5.243	5
147	MP6A	Mx	-.003	5
148	MP6C	X	-9.081	5
149	MP6C	Z	-5.243	5
150	MP6C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-36.72	1
2	MP1A	Z	-63.602	1
3	MP1A	Mx	-.018	1
4	MP1A	X	-36.72	3
5	MP1A	Z	-63.602	3
6	MP1A	Mx	-.018	3
7	MP1B	X	-16.955	1
8	MP1B	Z	-29.368	1
9	MP1B	Mx	.017	1
10	MP1B	X	-16.955	3
11	MP1B	Z	-29.368	3
12	MP1B	Mx	.017	3
13	MP4C	X	-20.038	1
14	MP4C	Z	-34.707	1
15	MP4C	Mx	-.019	1
16	MP4C	X	-20.038	3
17	MP4C	Z	-34.707	3
18	MP4C	Mx	-.019	3
19	MP5B	X	-40.226	1
20	MP5B	Z	-69.674	1
21	MP5B	Mx	.014	1
22	MP5B	X	-40.226	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP5B	Z	-69.674	3
24	MP5B	Mx	.014	3
25	MP1A	X	-14.86	4.5
26	MP1A	Z	-25.738	4.5
27	MP1A	Mx	-.005	4.5
28	MP1B	X	-3.614	4.5
29	MP1B	Z	-6.26	4.5
30	MP1B	Mx	.004	4.5
31	MP4C	X	-4.759	4.5
32	MP4C	Z	-8.243	4.5
33	MP4C	Mx	-.004	4.5
34	MP5B	X	-14.86	4.5
35	MP5B	Z	-25.738	4.5
36	MP5B	Mx	.005	4.5
37	MP1C	X	-6.294	3
38	MP1C	Z	-10.901	3
39	MP1C	Mx	-.003	3
40	MP2B	X	-6.294	3
41	MP2B	Z	-10.901	3
42	MP2B	Mx	-.003	3
43	MP2A	X	-31.606	1
44	MP2A	Z	-54.744	1
45	MP2A	Mx	-.016	1
46	MP2C	X	-24.373	1
47	MP2C	Z	-42.216	1
48	MP2C	Mx	.023	1
49	MP3B	X	-31.606	1
50	MP3B	Z	-54.744	1
51	MP3B	Mx	-.016	1
52	MP4A	X	-31.606	1
53	MP4A	Z	-54.744	1
54	MP4A	Mx	-.016	1
55	MP4C	X	-24.373	1
56	MP4C	Z	-42.216	1
57	MP4C	Mx	.023	1
58	MP2B	X	-32.614	1
59	MP2B	Z	-56.489	1
60	MP2B	Mx	-.011	1
61	MP3A	X	-30.512	1
62	MP3A	Z	-52.848	1
63	MP3A	Mx	-.015	1
64	MP3C	X	-20.508	1
65	MP3C	Z	-35.521	1
66	MP3C	Mx	.019	1
67	MP5A	X	-30.512	1
68	MP5A	Z	-52.848	1
69	MP5A	Mx	-.015	1
70	MP5C	X	-20.508	1
71	MP5C	Z	-35.521	1
72	MP5C	Mx	.019	1
73	MP2C	X	-26.411	2
74	MP2C	Z	-45.745	2
75	MP2C	Mx	-.023	2
76	MP2C	X	-26.411	5
77	MP2C	Z	-45.745	5
78	MP2C	Mx	-.023	5
79	MP4A	X	-37.799	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	-65.47	2
81	MP4A	Mx	-.019	2
82	MP4A	X	-37.799	5
83	MP4A	Z	-65.47	5
84	MP4A	Mx	-.019	5
85	MP4B	X	-37.799	2
86	MP4B	Z	-65.47	2
87	MP4B	Mx	.019	2
88	MP4B	X	-37.799	5
89	MP4B	Z	-65.47	5
90	MP4B	Mx	.019	5
91	MP1C	X	-98.454	1
92	MP1C	Z	-170.527	1
93	MP1C	Mx	-.084	1
94	MP1C	X	-98.454	5
95	MP1C	Z	-170.527	5
96	MP1C	Mx	-.084	5
97	MP1C	X	-98.454	1
98	MP1C	Z	-170.527	1
99	MP1C	Mx	.163	1
100	MP1C	X	-98.454	5
101	MP1C	Z	-170.527	5
102	MP1C	Mx	.163	5
103	MP2B	X	-48.684	1
104	MP2B	Z	-84.323	1
105	MP2B	Mx	.057	1
106	MP2B	X	-48.684	5
107	MP2B	Z	-84.323	5
108	MP2B	Mx	.057	5
109	MP2B	X	-48.684	1
110	MP2B	Z	-84.323	1
111	MP2B	Mx	.057	1
112	MP2B	X	-48.684	5
113	MP2B	Z	-84.323	5
114	MP2B	Mx	.057	5
115	MP6A	X	-80.575	2
116	MP6A	Z	-139.56	2
117	MP6A	Mx	-.116	2
118	MP6A	X	-80.575	6
119	MP6A	Z	-139.56	6
120	MP6A	Mx	-.116	6
121	MP6A	X	-80.575	2
122	MP6A	Z	-139.56	2
123	MP6A	Mx	.061	2
124	MP6A	X	-80.575	6
125	MP6A	Z	-139.56	6
126	MP6A	Mx	.061	6
127	MP6C	X	-58.505	2
128	MP6C	Z	-101.333	2
129	MP6C	Mx	-.032	2
130	MP6C	X	-58.505	6
131	MP6C	Z	-101.333	6
132	MP6C	Mx	-.032	6
133	MP6C	X	-58.505	2
134	MP6C	Z	-101.333	2
135	MP6C	Mx	-.078	2
136	MP6C	X	-58.505	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
137	MP6C	Z	-101.333	6
138	MP6C	Mx	-.078	6
139	MP6B	X	-30.512	1.5
140	MP6B	Z	-52.848	1.5
141	MP6B	Mx	-.01	1.5
142	MPB	X	-31.606	1.5
143	MPB	Z	-54.744	1.5
144	MPB	Mx	-.011	1.5
145	MP6A	X	-6.294	5
146	MP6A	Z	-10.901	5
147	MP6A	Mx	-.002	5
148	MP6C	X	-4.718	5
149	MP6C	Z	-8.172	5
150	MP6C	Mx	.003	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	-10.554	1
3	MP1A	Mx	-.005	1
4	MP1A	X	0	3
5	MP1A	Z	-10.554	3
6	MP1A	Mx	-.005	3
7	MP1B	X	0	1
8	MP1B	Z	-10.554	1
9	MP1B	Mx	.005	1
10	MP1B	X	0	3
11	MP1B	Z	-10.554	3
12	MP1B	Mx	.005	3
13	MP4C	X	0	1
14	MP4C	Z	-13.97	1
15	MP4C	Mx	-.004	1
16	MP4C	X	0	3
17	MP4C	Z	-13.97	3
18	MP4C	Mx	-.004	3
19	MP5B	X	0	1
20	MP5B	Z	-12.209	1
21	MP5B	Mx	.005	1
22	MP5B	X	0	3
23	MP5B	Z	-12.209	3
24	MP5B	Mx	.005	3
25	MP1A	X	0	4.5
26	MP1A	Z	-5.074	4.5
27	MP1A	Mx	-.002	4.5
28	MP1B	X	0	4.5
29	MP1B	Z	-5.074	4.5
30	MP1B	Mx	.002	4.5
31	MP4C	X	0	4.5
32	MP4C	Z	-6.039	4.5
33	MP4C	Mx	-.002	4.5
34	MP5B	X	0	4.5
35	MP5B	Z	-5.074	4.5
36	MP5B	Mx	.002	4.5
37	MP1C	X	0	3
38	MP1C	Z	-3.413	3
39	MP1C	Mx	-.001	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2B	X	0	3
41	MP2B	Z	-3.413	3
42	MP2B	Mx	-.001	3
43	MP2A	X	0	1
44	MP2A	Z	-15.67	1
45	MP2A	Mx	0	1
46	MP2C	X	0	1
47	MP2C	Z	-13.774	1
48	MP2C	Mx	.004	1
49	MP3B	X	0	1
50	MP3B	Z	-12.229	1
51	MP3B	Mx	-.005	1
52	MP4A	X	0	1
53	MP4A	Z	-15.67	1
54	MP4A	Mx	0	1
55	MP4C	X	0	1
56	MP4C	Z	-13.774	1
57	MP4C	Mx	.004	1
58	MP2B	X	0	1
59	MP2B	Z	-11.954	1
60	MP2B	Mx	-.005	1
61	MP3A	X	0	1
62	MP3A	Z	-15.67	1
63	MP3A	Mx	0	1
64	MP3C	X	0	1
65	MP3C	Z	-13.054	1
66	MP3C	Mx	.004	1
67	MP5A	X	0	1
68	MP5A	Z	-15.67	1
69	MP5A	Mx	0	1
70	MP5C	X	0	1
71	MP5C	Z	-13.054	1
72	MP5C	Mx	.004	1
73	MP2C	X	0	2
74	MP2C	Z	-16.159	2
75	MP2C	Mx	-.004	2
76	MP2C	X	0	5
77	MP2C	Z	-16.159	5
78	MP2C	Mx	-.004	5
79	MP4A	X	0	2
80	MP4A	Z	-11.974	2
81	MP4A	Mx	-.005	2
82	MP4A	X	0	5
83	MP4A	Z	-11.974	5
84	MP4A	Mx	-.005	5
85	MP4B	X	0	2
86	MP4B	Z	-11.974	2
87	MP4B	Mx	.005	2
88	MP4B	X	0	5
89	MP4B	Z	-11.974	5
90	MP4B	Mx	.005	5
91	MP1C	X	0	1
92	MP1C	Z	-29.475	1
93	MP1C	Mx	.00054	1
94	MP1C	X	0	5
95	MP1C	Z	-29.475	5
96	MP1C	Mx	.00054	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1C	X	0	1
98	MP1C	Z	-29.475	1
99	MP1C	Mx	.026	1
100	MP1C	X	0	5
101	MP1C	Z	-29.475	5
102	MP1C	Mx	.026	5
103	MP2B	X	0	1
104	MP2B	Z	-26.13	1
105	MP2B	Mx	.022	1
106	MP2B	X	0	5
107	MP2B	Z	-26.13	5
108	MP2B	Mx	.022	5
109	MP2B	X	0	1
110	MP2B	Z	-26.13	1
111	MP2B	Mx	.004	1
112	MP2B	X	0	5
113	MP2B	Z	-26.13	5
114	MP2B	Mx	.004	5
115	MP6A	X	0	2
116	MP6A	Z	-27.633	2
117	MP6A	Mx	-.021	2
118	MP6A	X	0	6
119	MP6A	Z	-27.633	6
120	MP6A	Mx	-.021	6
121	MP6A	X	0	2
122	MP6A	Z	-27.633	2
123	MP6A	Mx	-.000223	2
124	MP6A	X	0	6
125	MP6A	Z	-27.633	6
126	MP6A	Mx	-.000223	6
127	MP6C	X	0	2
128	MP6C	Z	-29.447	2
129	MP6C	Mx	.004	2
130	MP6C	X	0	6
131	MP6C	Z	-29.447	6
132	MP6C	Mx	.004	6
133	MP6C	X	0	2
134	MP6C	Z	-29.447	2
135	MP6C	Mx	-.023	2
136	MP6C	X	0	6
137	MP6C	Z	-29.447	6
138	MP6C	Mx	-.023	6
139	MP6B	X	0	1.5
140	MP6B	Z	-10.921	1.5
141	MP6B	Mx	-.003	1.5
142	MPB	X	0	1.5
143	MPB	Z	-12.229	1.5
144	MPB	Mx	-.004	1.5
145	MP6A	X	0	5
146	MP6A	Z	-4.123	5
147	MP6A	Mx	0	5
148	MP6C	X	0	5
149	MP6C	Z	-3.413	5
150	MP6C	Mx	.000985	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.009	1
2	MP1A	Z	-6.944	1
3	MP1A	Mx	-.004	1
4	MP1A	X	4.009	3
5	MP1A	Z	-6.944	3
6	MP1A	Mx	-.004	3
7	MP1B	X	7.812	1
8	MP1B	Z	-13.532	1
9	MP1B	Mx	.004	1
10	MP1B	X	7.812	3
11	MP1B	Z	-13.532	3
12	MP1B	Mx	.004	3
13	MP4C	X	8.927	1
14	MP4C	Z	-15.463	1
15	MP4C	Mx	-.002	1
16	MP4C	X	8.927	3
17	MP4C	Z	-15.463	3
18	MP4C	Mx	-.002	3
19	MP5B	X	4.162	1
20	MP5B	Z	-7.209	1
21	MP5B	Mx	.004	1
22	MP5B	X	4.162	3
23	MP5B	Z	-7.209	3
24	MP5B	Mx	.004	3
25	MP1A	X	1.473	4.5
26	MP1A	Z	-2.552	4.5
27	MP1A	Mx	-.001	4.5
28	MP1B	X	3.842	4.5
29	MP1B	Z	-6.655	4.5
30	MP1B	Mx	.001	4.5
31	MP4C	X	4.083	4.5
32	MP4C	Z	-7.072	4.5
33	MP4C	Mx	-.000709	4.5
34	MP5B	X	1.473	4.5
35	MP5B	Z	-2.552	4.5
36	MP5B	Mx	.001	4.5
37	MP1C	X	1.588	3
38	MP1C	Z	-2.75	3
39	MP1C	Mx	-.002	3
40	MP2B	X	1.588	3
41	MP2B	Z	-2.75	3
42	MP2B	Mx	-.002	3
43	MP2A	X	7.261	1
44	MP2A	Z	-12.577	1
45	MP2A	Mx	.004	1
46	MP2C	X	7.766	1
47	MP2C	Z	-13.45	1
48	MP2C	Mx	.001	1
49	MP3B	X	5.541	1
50	MP3B	Z	-9.597	1
51	MP3B	Mx	-.006	1
52	MP4A	X	7.261	1
53	MP4A	Z	-12.577	1
54	MP4A	Mx	.004	1
55	MP4C	X	7.766	1
56	MP4C	Z	-13.45	1
57	MP4C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	4.765	1
59	MP2B	Z	-8.253	1
60	MP2B	Mx	-.005	1
61	MP3A	X	7.043	1
62	MP3A	Z	-12.199	1
63	MP3A	Mx	.004	1
64	MP3C	X	7.739	1
65	MP3C	Z	-13.405	1
66	MP3C	Mx	.001	1
67	MP5A	X	7.043	1
68	MP5A	Z	-12.199	1
69	MP5A	Mx	.004	1
70	MP5C	X	7.739	1
71	MP5C	Z	-13.405	1
72	MP5C	Mx	.001	1
73	MP2C	X	9.126	2
74	MP2C	Z	-15.807	2
75	MP2C	Mx	0	2
76	MP2C	X	9.126	5
77	MP2C	Z	-15.807	5
78	MP2C	Mx	0	5
79	MP4A	X	4.941	2
80	MP4A	Z	-8.558	2
81	MP4A	Mx	-.005	2
82	MP4A	X	4.941	5
83	MP4A	Z	-8.558	5
84	MP4A	Mx	-.005	5
85	MP4B	X	4.941	2
86	MP4B	Z	-8.558	2
87	MP4B	Mx	.005	2
88	MP4B	X	4.941	5
89	MP4B	Z	-8.558	5
90	MP4B	Mx	.005	5
91	MP1C	X	10.811	1
92	MP1C	Z	-18.725	1
93	MP1C	Mx	.01	1
94	MP1C	X	10.811	5
95	MP1C	Z	-18.725	5
96	MP1C	Mx	.01	5
97	MP1C	X	10.811	1
98	MP1C	Z	-18.725	1
99	MP1C	Mx	.015	1
100	MP1C	X	10.811	5
101	MP1C	Z	-18.725	5
102	MP1C	Mx	.015	5
103	MP2B	X	18.19	1
104	MP2B	Z	-31.507	1
105	MP2B	Mx	.032	1
106	MP2B	X	18.19	5
107	MP2B	Z	-31.507	5
108	MP2B	Mx	.032	5
109	MP2B	X	18.19	1
110	MP2B	Z	-31.507	1
111	MP2B	Mx	-.01	1
112	MP2B	X	18.19	5
113	MP2B	Z	-31.507	5
114	MP2B	Mx	-.01	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP6A	X	11.816	2
116	MP6A	Z	-20.467	2
117	MP6A	Mx	-.014	2
118	MP6A	X	11.816	6
119	MP6A	Z	-20.467	6
120	MP6A	Mx	-.014	6
121	MP6A	X	11.816	2
122	MP6A	Z	-20.467	2
123	MP6A	Mx	-.009	2
124	MP6A	X	11.816	6
125	MP6A	Z	-20.467	6
126	MP6A	Mx	-.009	6
127	MP6C	X	16.723	2
128	MP6C	Z	-28.966	2
129	MP6C	Mx	.016	2
130	MP6C	X	16.723	6
131	MP6C	Z	-28.966	6
132	MP6C	Mx	.016	6
133	MP6C	X	16.723	2
134	MP6C	Z	-28.966	2
135	MP6C	Mx	-.022	2
136	MP6C	X	16.723	6
137	MP6C	Z	-28.966	6
138	MP6C	Mx	-.022	6
139	MP6B	X	4.669	1.5
140	MP6B	Z	-8.087	1.5
141	MP6B	Mx	-.003	1.5
142	MPB	X	5.541	1.5
143	MPB	Z	-9.597	1.5
144	MPB	Mx	-.004	1.5
145	MP6A	X	1.943	5
146	MP6A	Z	-3.366	5
147	MP6A	Mx	.000648	5
148	MP6C	X	1.943	5
149	MP6C	Z	-3.366	5
150	MP6C	Mx	.000648	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	9.14	1
2	MP1A	Z	-5.277	1
3	MP1A	Mx	-.005	1
4	MP1A	X	9.14	3
5	MP1A	Z	-5.277	3
6	MP1A	Mx	-.005	3
7	MP1B	X	15.727	1
8	MP1B	Z	-9.08	1
9	MP1B	Mx	0	1
10	MP1B	X	15.727	3
11	MP1B	Z	-9.08	3
12	MP1B	Mx	0	3
13	MP4C	X	14.7	1
14	MP4C	Z	-8.487	1
15	MP4C	Mx	.003	1
16	MP4C	X	14.7	3
17	MP4C	Z	-8.487	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	.003	3
19	MP5B	X	7.971	1
20	MP5B	Z	-4.602	1
21	MP5B	Mx	.004	1
22	MP5B	X	7.971	3
23	MP5B	Z	-4.602	3
24	MP5B	Mx	.004	3
25	MP1A	X	2.969	4.5
26	MP1A	Z	-1.714	4.5
27	MP1A	Mx	-.002	4.5
28	MP1B	X	7.072	4.5
29	MP1B	Z	-4.083	4.5
30	MP1B	Mx	-.000709	4.5
31	MP4C	X	6.655	4.5
32	MP4C	Z	-3.842	4.5
33	MP4C	Mx	.001	4.5
34	MP5B	X	2.969	4.5
35	MP5B	Z	-1.714	4.5
36	MP5B	Mx	.002	4.5
37	MP1C	X	2.956	3
38	MP1C	Z	-1.706	3
39	MP1C	Mx	-.001	3
40	MP2B	X	2.956	3
41	MP2B	Z	-1.706	3
42	MP2B	Mx	-.001	3
43	MP2A	X	10.59	1
44	MP2A	Z	-6.114	1
45	MP2A	Mx	.005	1
46	MP2C	X	13.105	1
47	MP2C	Z	-7.566	1
48	MP2C	Mx	-.003	1
49	MP3B	X	10.59	1
50	MP3B	Z	-6.114	1
51	MP3B	Mx	-.005	1
52	MP4A	X	10.59	1
53	MP4A	Z	-6.114	1
54	MP4A	Mx	.005	1
55	MP4C	X	13.105	1
56	MP4C	Z	-7.566	1
57	MP4C	Mx	-.003	1
58	MP2B	X	8.729	1
59	MP2B	Z	-5.039	1
60	MP2B	Mx	-.005	1
61	MP3A	X	9.458	1
62	MP3A	Z	-5.461	1
63	MP3A	Mx	.005	1
64	MP3C	X	12.929	1
65	MP3C	Z	-7.464	1
66	MP3C	Mx	-.003	1
67	MP5A	X	9.458	1
68	MP5A	Z	-5.461	1
69	MP5A	Mx	.005	1
70	MP5C	X	12.929	1
71	MP5C	Z	-7.464	1
72	MP5C	Mx	-.003	1
73	MP2C	X	13.994	2
74	MP2C	Z	-8.08	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	.004	2
76	MP2C	X	13.994	5
77	MP2C	Z	-8.08	5
78	MP2C	Mx	.004	5
79	MP4A	X	10.37	2
80	MP4A	Z	-5.987	2
81	MP4A	Mx	-.005	2
82	MP4A	X	10.37	5
83	MP4A	Z	-5.987	5
84	MP4A	Mx	-.005	5
85	MP4B	X	10.37	2
86	MP4B	Z	-5.987	2
87	MP4B	Mx	.005	2
88	MP4B	X	10.37	5
89	MP4B	Z	-5.987	5
90	MP4B	Mx	.005	5
91	MP1C	X	20.267	1
92	MP1C	Z	-11.701	1
93	MP1C	Mx	.018	1
94	MP1C	X	20.267	5
95	MP1C	Z	-11.701	5
96	MP1C	Mx	.018	5
97	MP1C	X	20.267	1
98	MP1C	Z	-11.701	1
99	MP1C	Mx	.007	1
100	MP1C	X	20.267	5
101	MP1C	Z	-11.701	5
102	MP1C	Mx	.007	5
103	MP2B	X	35.945	1
104	MP2B	Z	-20.753	1
105	MP2B	Mx	.028	1
106	MP2B	X	35.945	5
107	MP2B	Z	-20.753	5
108	MP2B	Mx	.028	5
109	MP2B	X	35.945	1
110	MP2B	Z	-20.753	1
111	MP2B	Mx	-.028	1
112	MP2B	X	35.945	5
113	MP2B	Z	-20.753	5
114	MP2B	Mx	-.028	5
115	MP6A	X	21.252	2
116	MP6A	Z	-12.27	2
117	MP6A	Mx	-.007	2
118	MP6A	X	21.252	6
119	MP6A	Z	-12.27	6
120	MP6A	Mx	-.007	6
121	MP6A	X	21.252	2
122	MP6A	Z	-12.27	2
123	MP6A	Mx	-.016	2
124	MP6A	X	21.252	6
125	MP6A	Z	-12.27	6
126	MP6A	Mx	-.016	6
127	MP6C	X	28.18	2
128	MP6C	Z	-16.27	2
129	MP6C	Mx	.023	2
130	MP6C	X	28.18	6
131	MP6C	Z	-16.27	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
132	MP6C	Mx	.023	6
133	MP6C	X	28.18	2
134	MP6C	Z	-16.27	2
135	MP6C	Mx	-.012	2
136	MP6C	X	28.18	6
137	MP6C	Z	-16.27	6
138	MP6C	Mx	-.012	6
139	MP6B	X	9.458	1.5
140	MP6B	Z	-5.461	1.5
141	MP6B	Mx	-.003	1.5
142	MPB	X	10.59	1.5
143	MPB	Z	-6.114	1.5
144	MPB	Mx	-.004	1.5
145	MP6A	X	2.956	5
146	MP6A	Z	-1.706	5
147	MP6A	Mx	.000985	5
148	MP6C	X	3.571	5
149	MP6C	Z	-2.062	5
150	MP6C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.625	1
2	MP1A	Z	0	1
3	MP1A	Mx	-.004	1
4	MP1A	X	15.625	3
5	MP1A	Z	0	3
6	MP1A	Mx	-.004	3
7	MP1B	X	15.625	1
8	MP1B	Z	0	1
9	MP1B	Mx	-.004	1
10	MP1B	X	15.625	3
11	MP1B	Z	0	3
12	MP1B	Mx	-.004	3
13	MP4C	X	12.209	1
14	MP4C	Z	0	1
15	MP4C	Mx	.005	1
16	MP4C	X	12.209	3
17	MP4C	Z	0	3
18	MP4C	Mx	.005	3
19	MP5B	X	13.97	1
20	MP5B	Z	0	1
21	MP5B	Mx	.004	1
22	MP5B	X	13.97	3
23	MP5B	Z	0	3
24	MP5B	Mx	.004	3
25	MP1A	X	6.039	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	-.002	4.5
28	MP1B	X	6.039	4.5
29	MP1B	Z	0	4.5
30	MP1B	Mx	-.002	4.5
31	MP4C	X	5.074	4.5
32	MP4C	Z	0	4.5
33	MP4C	Mx	.002	4.5
34	MP5B	X	6.039	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP5B	Z	0	4.5
36	MP5B	Mx	.002	4.5
37	MP1C	X	3.887	3
38	MP1C	Z	0	3
39	MP1C	Mx	-.000972	3
40	MP2B	X	3.887	3
41	MP2B	Z	0	3
42	MP2B	Mx	-.000972	3
43	MP2A	X	11.082	1
44	MP2A	Z	0	1
45	MP2A	Mx	.006	1
46	MP2C	X	12.977	1
47	MP2C	Z	0	1
48	MP2C	Mx	-.005	1
49	MP3B	X	14.523	1
50	MP3B	Z	0	1
51	MP3B	Mx	-.004	1
52	MP4A	X	11.082	1
53	MP4A	Z	0	1
54	MP4A	Mx	.006	1
55	MP4C	X	12.977	1
56	MP4C	Z	0	1
57	MP4C	Mx	-.005	1
58	MP2B	X	13.054	1
59	MP2B	Z	0	1
60	MP2B	Mx	-.004	1
61	MP3A	X	9.338	1
62	MP3A	Z	0	1
63	MP3A	Mx	.005	1
64	MP3C	X	11.954	1
65	MP3C	Z	0	1
66	MP3C	Mx	-.005	1
67	MP5A	X	9.338	1
68	MP5A	Z	0	1
69	MP5A	Mx	.005	1
70	MP5C	X	11.954	1
71	MP5C	Z	0	1
72	MP5C	Mx	-.005	1
73	MP2C	X	11.974	2
74	MP2C	Z	0	2
75	MP2C	Mx	.005	2
76	MP2C	X	11.974	5
77	MP2C	Z	0	5
78	MP2C	Mx	.005	5
79	MP4A	X	16.159	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.004	2
82	MP4A	X	16.159	5
83	MP4A	Z	0	5
84	MP4A	Mx	-.004	5
85	MP4B	X	16.159	2
86	MP4B	Z	0	2
87	MP4B	Mx	.004	2
88	MP4B	X	16.159	5
89	MP4B	Z	0	5
90	MP4B	Mx	.004	5
91	MP1C	X	33.035	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	0	1
93	MP1C	Mx	.029	1
94	MP1C	X	33.035	5
95	MP1C	Z	0	5
96	MP1C	Mx	.029	5
97	MP1C	X	33.035	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.004	1
100	MP1C	X	33.035	5
101	MP1C	Z	0	5
102	MP1C	Mx	-.004	5
103	MP2B	X	36.381	1
104	MP2B	Z	0	1
105	MP2B	Mx	.01	1
106	MP2B	X	36.381	5
107	MP2B	Z	0	5
108	MP2B	Mx	.01	5
109	MP2B	X	36.381	1
110	MP2B	Z	0	1
111	MP2B	Mx	-.032	1
112	MP2B	X	36.381	5
113	MP2B	Z	0	5
114	MP2B	Mx	-.032	5
115	MP6A	X	29.447	2
116	MP6A	Z	0	2
117	MP6A	Mx	.004	2
118	MP6A	X	29.447	6
119	MP6A	Z	0	6
120	MP6A	Mx	.004	6
121	MP6A	X	29.447	2
122	MP6A	Z	0	2
123	MP6A	Mx	-.023	2
124	MP6A	X	29.447	6
125	MP6A	Z	0	6
126	MP6A	Mx	-.023	6
127	MP6C	X	27.633	2
128	MP6C	Z	0	2
129	MP6C	Mx	.021	2
130	MP6C	X	27.633	6
131	MP6C	Z	0	6
132	MP6C	Mx	.021	6
133	MP6C	X	27.633	2
134	MP6C	Z	0	2
135	MP6C	Mx	.000223	2
136	MP6C	X	27.633	6
137	MP6C	Z	0	6
138	MP6C	Mx	.000223	6
139	MP6B	X	14.087	1.5
140	MP6B	Z	0	1.5
141	MP6B	Mx	-.002	1.5
142	MPB	X	14.523	1.5
143	MPB	Z	0	1.5
144	MPB	Mx	-.002	1.5
145	MP6A	X	3.176	5
146	MP6A	Z	0	5
147	MP6A	Mx	.001	5
148	MP6C	X	3.887	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
149	MP6C	Z	0	5
150	MP6C	Mx	-.000648	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	15.727	1
2	MP1A	Z	9.08	1
3	MP1A	Mx	0	1
4	MP1A	X	15.727	3
5	MP1A	Z	9.08	3
6	MP1A	Mx	0	3
7	MP1B	X	9.14	1
8	MP1B	Z	5.277	1
9	MP1B	Mx	-.005	1
10	MP1B	X	9.14	3
11	MP1B	Z	5.277	3
12	MP1B	Mx	-.005	3
13	MP4C	X	7.209	1
14	MP4C	Z	4.162	1
15	MP4C	Mx	.004	1
16	MP4C	X	7.209	3
17	MP4C	Z	4.162	3
18	MP4C	Mx	.004	3
19	MP5B	X	15.463	1
20	MP5B	Z	8.927	1
21	MP5B	Mx	.002	1
22	MP5B	X	15.463	3
23	MP5B	Z	8.927	3
24	MP5B	Mx	.002	3
25	MP1A	X	7.072	4.5
26	MP1A	Z	4.083	4.5
27	MP1A	Mx	-.000709	4.5
28	MP1B	X	2.969	4.5
29	MP1B	Z	1.714	4.5
30	MP1B	Mx	-.002	4.5
31	MP4C	X	2.552	4.5
32	MP4C	Z	1.473	4.5
33	MP4C	Mx	.001	4.5
34	MP5B	X	7.072	4.5
35	MP5B	Z	4.083	4.5
36	MP5B	Mx	.000709	4.5
37	MP1C	X	3.571	3
38	MP1C	Z	2.062	3
39	MP1C	Mx	0	3
40	MP2B	X	3.571	3
41	MP2B	Z	2.062	3
42	MP2B	Mx	0	3
43	MP2A	X	10.59	1
44	MP2A	Z	6.114	1
45	MP2A	Mx	.005	1
46	MP2C	X	9.717	1
47	MP2C	Z	5.61	1
48	MP2C	Mx	-.006	1
49	MP3B	X	13.57	1
50	MP3B	Z	7.835	1
51	MP3B	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4A	X	10.59	1
53	MP4A	Z	6.114	1
54	MP4A	Mx	.005	1
55	MP4C	X	9.717	1
56	MP4C	Z	5.61	1
57	MP4C	Mx	-.006	1
58	MP2B	X	13.405	1
59	MP2B	Z	7.739	1
60	MP2B	Mx	-.001	1
61	MP3A	X	9.458	1
62	MP3A	Z	5.461	1
63	MP3A	Mx	.005	1
64	MP3C	X	8.253	1
65	MP3C	Z	4.765	1
66	MP3C	Mx	-.005	1
67	MP5A	X	9.458	1
68	MP5A	Z	5.461	1
69	MP5A	Mx	.005	1
70	MP5C	X	8.253	1
71	MP5C	Z	4.765	1
72	MP5C	Mx	-.005	1
73	MP2C	X	8.558	2
74	MP2C	Z	4.941	2
75	MP2C	Mx	.005	2
76	MP2C	X	8.558	5
77	MP2C	Z	4.941	5
78	MP2C	Mx	.005	5
79	MP4A	X	15.807	2
80	MP4A	Z	9.126	2
81	MP4A	Mx	0	2
82	MP4A	X	15.807	5
83	MP4A	Z	9.126	5
84	MP4A	Mx	0	5
85	MP4B	X	15.807	2
86	MP4B	Z	9.126	2
87	MP4B	Mx	0	2
88	MP4B	X	15.807	5
89	MP4B	Z	9.126	5
90	MP4B	Mx	0	5
91	MP1C	X	35.41	1
92	MP1C	Z	20.444	1
93	MP1C	Mx	.031	1
94	MP1C	X	35.41	5
95	MP1C	Z	20.444	5
96	MP1C	Mx	.031	5
97	MP1C	X	35.41	1
98	MP1C	Z	20.444	1
99	MP1C	Mx	-.023	1
100	MP1C	X	35.41	5
101	MP1C	Z	20.444	5
102	MP1C	Mx	-.023	5
103	MP2B	X	22.629	1
104	MP2B	Z	13.065	1
105	MP2B	Mx	-.004	1
106	MP2B	X	22.629	5
107	MP2B	Z	13.065	5
108	MP2B	Mx	-.004	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP2B	X	22.629	1
110	MP2B	Z	13.065	1
111	MP2B	Mx	-.022	1
112	MP2B	X	22.629	5
113	MP2B	Z	13.065	5
114	MP2B	Mx	-.022	5
115	MP6A	X	28.966	2
116	MP6A	Z	16.723	2
117	MP6A	Mx	.016	2
118	MP6A	X	28.966	6
119	MP6A	Z	16.723	6
120	MP6A	Mx	.016	6
121	MP6A	X	28.966	2
122	MP6A	Z	16.723	2
123	MP6A	Mx	-.022	2
124	MP6A	X	28.966	6
125	MP6A	Z	16.723	6
126	MP6A	Mx	-.022	6
127	MP6C	X	20.467	2
128	MP6C	Z	11.816	2
129	MP6C	Mx	.014	2
130	MP6C	X	20.467	6
131	MP6C	Z	11.816	6
132	MP6C	Mx	.014	6
133	MP6C	X	20.467	2
134	MP6C	Z	11.816	2
135	MP6C	Mx	.009	2
136	MP6C	X	20.467	6
137	MP6C	Z	11.816	6
138	MP6C	Mx	.009	6
139	MP6B	X	13.57	1.5
140	MP6B	Z	7.835	1.5
141	MP6B	Mx	0	1.5
142	MPB	X	13.57	1.5
143	MPB	Z	7.835	1.5
144	MPB	Mx	0	1.5
145	MP6A	X	2.956	5
146	MP6A	Z	1.706	5
147	MP6A	Mx	.000985	5
148	MP6C	X	2.956	5
149	MP6C	Z	1.706	5
150	MP6C	Mx	-.000985	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	7.812	1
2	MP1A	Z	13.532	1
3	MP1A	Mx	.004	1
4	MP1A	X	7.812	3
5	MP1A	Z	13.532	3
6	MP1A	Mx	.004	3
7	MP1B	X	4.009	1
8	MP1B	Z	6.944	1
9	MP1B	Mx	-.004	1
10	MP1B	X	4.009	3
11	MP1B	Z	6.944	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	-.004	3
13	MP4C	X	4.602	1
14	MP4C	Z	7.971	1
15	MP4C	Mx	.004	1
16	MP4C	X	4.602	3
17	MP4C	Z	7.971	3
18	MP4C	Mx	.004	3
19	MP5B	X	8.487	1
20	MP5B	Z	14.7	1
21	MP5B	Mx	-.003	1
22	MP5B	X	8.487	3
23	MP5B	Z	14.7	3
24	MP5B	Mx	-.003	3
25	MP1A	X	3.842	4.5
26	MP1A	Z	6.655	4.5
27	MP1A	Mx	.001	4.5
28	MP1B	X	1.473	4.5
29	MP1B	Z	2.552	4.5
30	MP1B	Mx	-.001	4.5
31	MP4C	X	1.714	4.5
32	MP4C	Z	2.969	4.5
33	MP4C	Mx	.002	4.5
34	MP5B	X	3.842	4.5
35	MP5B	Z	6.655	4.5
36	MP5B	Mx	-.001	4.5
37	MP1C	X	1.943	3
38	MP1C	Z	3.366	3
39	MP1C	Mx	.000972	3
40	MP2B	X	1.943	3
41	MP2B	Z	3.366	3
42	MP2B	Mx	.000972	3
43	MP2A	X	7.261	1
44	MP2A	Z	12.577	1
45	MP2A	Mx	.004	1
46	MP2C	X	5.809	1
47	MP2C	Z	10.062	1
48	MP2C	Mx	-.005	1
49	MP3B	X	7.261	1
50	MP3B	Z	12.577	1
51	MP3B	Mx	.004	1
52	MP4A	X	7.261	1
53	MP4A	Z	12.577	1
54	MP4A	Mx	.004	1
55	MP4C	X	5.809	1
56	MP4C	Z	10.062	1
57	MP4C	Mx	-.005	1
58	MP2B	X	7.464	1
59	MP2B	Z	12.929	1
60	MP2B	Mx	.003	1
61	MP3A	X	7.043	1
62	MP3A	Z	12.199	1
63	MP3A	Mx	.004	1
64	MP3C	X	5.039	1
65	MP3C	Z	8.729	1
66	MP3C	Mx	-.005	1
67	MP5A	X	7.043	1
68	MP5A	Z	12.199	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5A	Mx	.004	1
70	MP5C	X	5.039	1
71	MP5C	Z	8.729	1
72	MP5C	Mx	-.005	1
73	MP2C	X	5.987	2
74	MP2C	Z	10.37	2
75	MP2C	Mx	.005	2
76	MP2C	X	5.987	5
77	MP2C	Z	10.37	5
78	MP2C	Mx	.005	5
79	MP4A	X	8.08	2
80	MP4A	Z	13.994	2
81	MP4A	Mx	.004	2
82	MP4A	X	8.08	5
83	MP4A	Z	13.994	5
84	MP4A	Mx	.004	5
85	MP4B	X	8.08	2
86	MP4B	Z	13.994	2
87	MP4B	Mx	-.004	2
88	MP4B	X	8.08	5
89	MP4B	Z	13.994	5
90	MP4B	Mx	-.004	5
91	MP1C	X	19.554	1
92	MP1C	Z	33.868	1
93	MP1C	Mx	.017	1
94	MP1C	X	19.554	5
95	MP1C	Z	33.868	5
96	MP1C	Mx	.017	5
97	MP1C	X	19.554	1
98	MP1C	Z	33.868	1
99	MP1C	Mx	-.032	1
100	MP1C	X	19.554	5
101	MP1C	Z	33.868	5
102	MP1C	Mx	-.032	5
103	MP2B	X	10.502	1
104	MP2B	Z	18.19	1
105	MP2B	Mx	-.012	1
106	MP2B	X	10.502	5
107	MP2B	Z	18.19	5
108	MP2B	Mx	-.012	5
109	MP2B	X	10.502	1
110	MP2B	Z	18.19	1
111	MP2B	Mx	-.012	1
112	MP2B	X	10.502	5
113	MP2B	Z	18.19	5
114	MP2B	Mx	-.012	5
115	MP6A	X	16.27	2
116	MP6A	Z	28.18	2
117	MP6A	Mx	.023	2
118	MP6A	X	16.27	6
119	MP6A	Z	28.18	6
120	MP6A	Mx	.023	6
121	MP6A	X	16.27	2
122	MP6A	Z	28.18	2
123	MP6A	Mx	-.012	2
124	MP6A	X	16.27	6
125	MP6A	Z	28.18	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
126	MP6A	Mx	-.012	6
127	MP6C	X	12.27	2
128	MP6C	Z	21.252	2
129	MP6C	Mx	.007	2
130	MP6C	X	12.27	6
131	MP6C	Z	21.252	6
132	MP6C	Mx	.007	6
133	MP6C	X	12.27	2
134	MP6C	Z	21.252	2
135	MP6C	Mx	.016	2
136	MP6C	X	12.27	6
137	MP6C	Z	21.252	6
138	MP6C	Mx	.016	6
139	MP6B	X	7.043	1.5
140	MP6B	Z	12.199	1.5
141	MP6B	Mx	.002	1.5
142	MPB	X	7.261	1.5
143	MPB	Z	12.577	1.5
144	MPB	Mx	.002	1.5
145	MP6A	X	1.943	5
146	MP6A	Z	3.366	5
147	MP6A	Mx	.000648	5
148	MP6C	X	1.588	5
149	MP6C	Z	2.75	5
150	MP6C	Mx	-.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	10.554	1
3	MP1A	Mx	.005	1
4	MP1A	X	0	3
5	MP1A	Z	10.554	3
6	MP1A	Mx	.005	3
7	MP1B	X	0	1
8	MP1B	Z	10.554	1
9	MP1B	Mx	-.005	1
10	MP1B	X	0	3
11	MP1B	Z	10.554	3
12	MP1B	Mx	-.005	3
13	MP4C	X	0	1
14	MP4C	Z	13.97	1
15	MP4C	Mx	.004	1
16	MP4C	X	0	3
17	MP4C	Z	13.97	3
18	MP4C	Mx	.004	3
19	MP5B	X	0	1
20	MP5B	Z	12.209	1
21	MP5B	Mx	-.005	1
22	MP5B	X	0	3
23	MP5B	Z	12.209	3
24	MP5B	Mx	-.005	3
25	MP1A	X	0	4.5
26	MP1A	Z	5.074	4.5
27	MP1A	Mx	.002	4.5
28	MP1B	X	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	5.074	4.5
30	MP1B	Mx	-.002	4.5
31	MP4C	X	0	4.5
32	MP4C	Z	6.039	4.5
33	MP4C	Mx	.002	4.5
34	MP5B	X	0	4.5
35	MP5B	Z	5.074	4.5
36	MP5B	Mx	-.002	4.5
37	MP1C	X	0	3
38	MP1C	Z	3.413	3
39	MP1C	Mx	.001	3
40	MP2B	X	0	3
41	MP2B	Z	3.413	3
42	MP2B	Mx	.001	3
43	MP2A	X	0	1
44	MP2A	Z	15.67	1
45	MP2A	Mx	0	1
46	MP2C	X	0	1
47	MP2C	Z	13.774	1
48	MP2C	Mx	-.004	1
49	MP3B	X	0	1
50	MP3B	Z	12.229	1
51	MP3B	Mx	.005	1
52	MP4A	X	0	1
53	MP4A	Z	15.67	1
54	MP4A	Mx	0	1
55	MP4C	X	0	1
56	MP4C	Z	13.774	1
57	MP4C	Mx	-.004	1
58	MP2B	X	0	1
59	MP2B	Z	11.954	1
60	MP2B	Mx	.005	1
61	MP3A	X	0	1
62	MP3A	Z	15.67	1
63	MP3A	Mx	0	1
64	MP3C	X	0	1
65	MP3C	Z	13.054	1
66	MP3C	Mx	-.004	1
67	MP5A	X	0	1
68	MP5A	Z	15.67	1
69	MP5A	Mx	0	1
70	MP5C	X	0	1
71	MP5C	Z	13.054	1
72	MP5C	Mx	-.004	1
73	MP2C	X	0	2
74	MP2C	Z	16.159	2
75	MP2C	Mx	.004	2
76	MP2C	X	0	5
77	MP2C	Z	16.159	5
78	MP2C	Mx	.004	5
79	MP4A	X	0	2
80	MP4A	Z	11.974	2
81	MP4A	Mx	.005	2
82	MP4A	X	0	5
83	MP4A	Z	11.974	5
84	MP4A	Mx	.005	5
85	MP4B	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	11.974	2
87	MP4B	Mx	-.005	2
88	MP4B	X	0	5
89	MP4B	Z	11.974	5
90	MP4B	Mx	-.005	5
91	MP1C	X	0	1
92	MP1C	Z	29.475	1
93	MP1C	Mx	-.00054	1
94	MP1C	X	0	5
95	MP1C	Z	29.475	5
96	MP1C	Mx	-.00054	5
97	MP1C	X	0	1
98	MP1C	Z	29.475	1
99	MP1C	Mx	-.026	1
100	MP1C	X	0	5
101	MP1C	Z	29.475	5
102	MP1C	Mx	-.026	5
103	MP2B	X	0	1
104	MP2B	Z	26.13	1
105	MP2B	Mx	-.022	1
106	MP2B	X	0	5
107	MP2B	Z	26.13	5
108	MP2B	Mx	-.022	5
109	MP2B	X	0	1
110	MP2B	Z	26.13	1
111	MP2B	Mx	-.004	1
112	MP2B	X	0	5
113	MP2B	Z	26.13	5
114	MP2B	Mx	-.004	5
115	MP6A	X	0	2
116	MP6A	Z	27.633	2
117	MP6A	Mx	.021	2
118	MP6A	X	0	6
119	MP6A	Z	27.633	6
120	MP6A	Mx	.021	6
121	MP6A	X	0	2
122	MP6A	Z	27.633	2
123	MP6A	Mx	.000223	2
124	MP6A	X	0	6
125	MP6A	Z	27.633	6
126	MP6A	Mx	.000223	6
127	MP6C	X	0	2
128	MP6C	Z	29.447	2
129	MP6C	Mx	-.004	2
130	MP6C	X	0	6
131	MP6C	Z	29.447	6
132	MP6C	Mx	-.004	6
133	MP6C	X	0	2
134	MP6C	Z	29.447	2
135	MP6C	Mx	.023	2
136	MP6C	X	0	6
137	MP6C	Z	29.447	6
138	MP6C	Mx	.023	6
139	MP6B	X	0	1.5
140	MP6B	Z	10.921	1.5
141	MP6B	Mx	.003	1.5
142	MPB	X	0	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
143	MPB	Z	12.229	1.5
144	MPB	Mx	.004	1.5
145	MP6A	X	0	5
146	MP6A	Z	4.123	5
147	MP6A	Mx	0	5
148	MP6C	X	0	5
149	MP6C	Z	3.413	5
150	MP6C	Mx	-.000985	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.009	1
2	MP1A	Z	6.944	1
3	MP1A	Mx	.004	1
4	MP1A	X	-4.009	3
5	MP1A	Z	6.944	3
6	MP1A	Mx	.004	3
7	MP1B	X	-7.812	1
8	MP1B	Z	13.532	1
9	MP1B	Mx	-.004	1
10	MP1B	X	-7.812	3
11	MP1B	Z	13.532	3
12	MP1B	Mx	-.004	3
13	MP4C	X	-8.927	1
14	MP4C	Z	15.463	1
15	MP4C	Mx	.002	1
16	MP4C	X	-8.927	3
17	MP4C	Z	15.463	3
18	MP4C	Mx	.002	3
19	MP5B	X	-4.162	1
20	MP5B	Z	7.209	1
21	MP5B	Mx	-.004	1
22	MP5B	X	-4.162	3
23	MP5B	Z	7.209	3
24	MP5B	Mx	-.004	3
25	MP1A	X	-1.473	4.5
26	MP1A	Z	2.552	4.5
27	MP1A	Mx	.001	4.5
28	MP1B	X	-3.842	4.5
29	MP1B	Z	6.655	4.5
30	MP1B	Mx	-.001	4.5
31	MP4C	X	-4.083	4.5
32	MP4C	Z	7.072	4.5
33	MP4C	Mx	.000709	4.5
34	MP5B	X	-1.473	4.5
35	MP5B	Z	2.552	4.5
36	MP5B	Mx	-.001	4.5
37	MP1C	X	-1.588	3
38	MP1C	Z	2.75	3
39	MP1C	Mx	.002	3
40	MP2B	X	-1.588	3
41	MP2B	Z	2.75	3
42	MP2B	Mx	.002	3
43	MP2A	X	-7.261	1
44	MP2A	Z	12.577	1
45	MP2A	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2C	X	-7.766	1
47	MP2C	Z	13.45	1
48	MP2C	Mx	-.001	1
49	MP3B	X	-5.541	1
50	MP3B	Z	9.597	1
51	MP3B	Mx	.006	1
52	MP4A	X	-7.261	1
53	MP4A	Z	12.577	1
54	MP4A	Mx	-.004	1
55	MP4C	X	-7.766	1
56	MP4C	Z	13.45	1
57	MP4C	Mx	-.001	1
58	MP2B	X	-4.765	1
59	MP2B	Z	8.253	1
60	MP2B	Mx	.005	1
61	MP3A	X	-7.043	1
62	MP3A	Z	12.199	1
63	MP3A	Mx	-.004	1
64	MP3C	X	-7.739	1
65	MP3C	Z	13.405	1
66	MP3C	Mx	-.001	1
67	MP5A	X	-7.043	1
68	MP5A	Z	12.199	1
69	MP5A	Mx	-.004	1
70	MP5C	X	-7.739	1
71	MP5C	Z	13.405	1
72	MP5C	Mx	-.001	1
73	MP2C	X	-9.126	2
74	MP2C	Z	15.807	2
75	MP2C	Mx	0	2
76	MP2C	X	-9.126	5
77	MP2C	Z	15.807	5
78	MP2C	Mx	0	5
79	MP4A	X	-4.941	2
80	MP4A	Z	8.558	2
81	MP4A	Mx	.005	2
82	MP4A	X	-4.941	5
83	MP4A	Z	8.558	5
84	MP4A	Mx	.005	5
85	MP4B	X	-4.941	2
86	MP4B	Z	8.558	2
87	MP4B	Mx	-.005	2
88	MP4B	X	-4.941	5
89	MP4B	Z	8.558	5
90	MP4B	Mx	-.005	5
91	MP1C	X	-10.811	1
92	MP1C	Z	18.725	1
93	MP1C	Mx	-.01	1
94	MP1C	X	-10.811	5
95	MP1C	Z	18.725	5
96	MP1C	Mx	-.01	5
97	MP1C	X	-10.811	1
98	MP1C	Z	18.725	1
99	MP1C	Mx	-.015	1
100	MP1C	X	-10.811	5
101	MP1C	Z	18.725	5
102	MP1C	Mx	-.015	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP2B	X	-18.19	1
104	MP2B	Z	31.507	1
105	MP2B	Mx	-.032	1
106	MP2B	X	-18.19	5
107	MP2B	Z	31.507	5
108	MP2B	Mx	-.032	5
109	MP2B	X	-18.19	1
110	MP2B	Z	31.507	1
111	MP2B	Mx	.01	1
112	MP2B	X	-18.19	5
113	MP2B	Z	31.507	5
114	MP2B	Mx	.01	5
115	MP6A	X	-11.816	2
116	MP6A	Z	20.467	2
117	MP6A	Mx	.014	2
118	MP6A	X	-11.816	6
119	MP6A	Z	20.467	6
120	MP6A	Mx	.014	6
121	MP6A	X	-11.816	2
122	MP6A	Z	20.467	2
123	MP6A	Mx	.009	2
124	MP6A	X	-11.816	6
125	MP6A	Z	20.467	6
126	MP6A	Mx	.009	6
127	MP6C	X	-16.723	2
128	MP6C	Z	28.966	2
129	MP6C	Mx	-.016	2
130	MP6C	X	-16.723	6
131	MP6C	Z	28.966	6
132	MP6C	Mx	-.016	6
133	MP6C	X	-16.723	2
134	MP6C	Z	28.966	2
135	MP6C	Mx	.022	2
136	MP6C	X	-16.723	6
137	MP6C	Z	28.966	6
138	MP6C	Mx	.022	6
139	MP6B	X	-4.669	1.5
140	MP6B	Z	8.087	1.5
141	MP6B	Mx	.003	1.5
142	MPB	X	-5.541	1.5
143	MPB	Z	9.597	1.5
144	MPB	Mx	.004	1.5
145	MP6A	X	-1.943	5
146	MP6A	Z	3.366	5
147	MP6A	Mx	-.000648	5
148	MP6C	X	-1.943	5
149	MP6C	Z	3.366	5
150	MP6C	Mx	-.000648	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-9.14	1
2	MP1A	Z	5.277	1
3	MP1A	Mx	.005	1
4	MP1A	X	-9.14	3
5	MP1A	Z	5.277	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.005	3
7	MP1B	X	-15.727	1
8	MP1B	Z	9.08	1
9	MP1B	Mx	0	1
10	MP1B	X	-15.727	3
11	MP1B	Z	9.08	3
12	MP1B	Mx	0	3
13	MP4C	X	-14.7	1
14	MP4C	Z	8.487	1
15	MP4C	Mx	-.003	1
16	MP4C	X	-14.7	3
17	MP4C	Z	8.487	3
18	MP4C	Mx	-.003	3
19	MP5B	X	-7.971	1
20	MP5B	Z	4.602	1
21	MP5B	Mx	-.004	1
22	MP5B	X	-7.971	3
23	MP5B	Z	4.602	3
24	MP5B	Mx	-.004	3
25	MP1A	X	-2.969	4.5
26	MP1A	Z	1.714	4.5
27	MP1A	Mx	.002	4.5
28	MP1B	X	-7.072	4.5
29	MP1B	Z	4.083	4.5
30	MP1B	Mx	.000709	4.5
31	MP4C	X	-6.655	4.5
32	MP4C	Z	3.842	4.5
33	MP4C	Mx	-.001	4.5
34	MP5B	X	-2.969	4.5
35	MP5B	Z	1.714	4.5
36	MP5B	Mx	-.002	4.5
37	MP1C	X	-2.956	3
38	MP1C	Z	1.706	3
39	MP1C	Mx	.001	3
40	MP2B	X	-2.956	3
41	MP2B	Z	1.706	3
42	MP2B	Mx	.001	3
43	MP2A	X	-10.59	1
44	MP2A	Z	6.114	1
45	MP2A	Mx	-.005	1
46	MP2C	X	-13.105	1
47	MP2C	Z	7.566	1
48	MP2C	Mx	.003	1
49	MP3B	X	-10.59	1
50	MP3B	Z	6.114	1
51	MP3B	Mx	.005	1
52	MP4A	X	-10.59	1
53	MP4A	Z	6.114	1
54	MP4A	Mx	-.005	1
55	MP4C	X	-13.105	1
56	MP4C	Z	7.566	1
57	MP4C	Mx	.003	1
58	MP2B	X	-8.729	1
59	MP2B	Z	5.039	1
60	MP2B	Mx	.005	1
61	MP3A	X	-9.458	1
62	MP3A	Z	5.461	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3A	Mx	-.005	1
64	MP3C	X	-12.929	1
65	MP3C	Z	7.464	1
66	MP3C	Mx	.003	1
67	MP5A	X	-9.458	1
68	MP5A	Z	5.461	1
69	MP5A	Mx	-.005	1
70	MP5C	X	-12.929	1
71	MP5C	Z	7.464	1
72	MP5C	Mx	.003	1
73	MP2C	X	-13.994	2
74	MP2C	Z	8.08	2
75	MP2C	Mx	-.004	2
76	MP2C	X	-13.994	5
77	MP2C	Z	8.08	5
78	MP2C	Mx	-.004	5
79	MP4A	X	-10.37	2
80	MP4A	Z	5.987	2
81	MP4A	Mx	.005	2
82	MP4A	X	-10.37	5
83	MP4A	Z	5.987	5
84	MP4A	Mx	.005	5
85	MP4B	X	-10.37	2
86	MP4B	Z	5.987	2
87	MP4B	Mx	-.005	2
88	MP4B	X	-10.37	5
89	MP4B	Z	5.987	5
90	MP4B	Mx	-.005	5
91	MP1C	X	-20.267	1
92	MP1C	Z	11.701	1
93	MP1C	Mx	-.018	1
94	MP1C	X	-20.267	5
95	MP1C	Z	11.701	5
96	MP1C	Mx	-.018	5
97	MP1C	X	-20.267	1
98	MP1C	Z	11.701	1
99	MP1C	Mx	-.007	1
100	MP1C	X	-20.267	5
101	MP1C	Z	11.701	5
102	MP1C	Mx	-.007	5
103	MP2B	X	-35.945	1
104	MP2B	Z	20.753	1
105	MP2B	Mx	-.028	1
106	MP2B	X	-35.945	5
107	MP2B	Z	20.753	5
108	MP2B	Mx	-.028	5
109	MP2B	X	-35.945	1
110	MP2B	Z	20.753	1
111	MP2B	Mx	.028	1
112	MP2B	X	-35.945	5
113	MP2B	Z	20.753	5
114	MP2B	Mx	.028	5
115	MP6A	X	-21.252	2
116	MP6A	Z	12.27	2
117	MP6A	Mx	.007	2
118	MP6A	X	-21.252	6
119	MP6A	Z	12.27	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP6A	Mx	.007	6
121	MP6A	X	-21.252	2
122	MP6A	Z	12.27	2
123	MP6A	Mx	.016	2
124	MP6A	X	-21.252	6
125	MP6A	Z	12.27	6
126	MP6A	Mx	.016	6
127	MP6C	X	-28.18	2
128	MP6C	Z	16.27	2
129	MP6C	Mx	-.023	2
130	MP6C	X	-28.18	6
131	MP6C	Z	16.27	6
132	MP6C	Mx	-.023	6
133	MP6C	X	-28.18	2
134	MP6C	Z	16.27	2
135	MP6C	Mx	.012	2
136	MP6C	X	-28.18	6
137	MP6C	Z	16.27	6
138	MP6C	Mx	.012	6
139	MP6B	X	-9.458	1.5
140	MP6B	Z	5.461	1.5
141	MP6B	Mx	.003	1.5
142	MPB	X	-10.59	1.5
143	MPB	Z	6.114	1.5
144	MPB	Mx	.004	1.5
145	MP6A	X	-2.956	5
146	MP6A	Z	1.706	5
147	MP6A	Mx	-.000985	5
148	MP6C	X	-3.571	5
149	MP6C	Z	2.062	5
150	MP6C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.625	1
2	MP1A	Z	0	1
3	MP1A	Mx	.004	1
4	MP1A	X	-15.625	3
5	MP1A	Z	0	3
6	MP1A	Mx	.004	3
7	MP1B	X	-15.625	1
8	MP1B	Z	0	1
9	MP1B	Mx	.004	1
10	MP1B	X	-15.625	3
11	MP1B	Z	0	3
12	MP1B	Mx	.004	3
13	MP4C	X	-12.209	1
14	MP4C	Z	0	1
15	MP4C	Mx	-.005	1
16	MP4C	X	-12.209	3
17	MP4C	Z	0	3
18	MP4C	Mx	-.005	3
19	MP5B	X	-13.97	1
20	MP5B	Z	0	1
21	MP5B	Mx	-.004	1
22	MP5B	X	-13.97	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP5B	Z	0	3
24	MP5B	Mx	-.004	3
25	MP1A	X	-6.039	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	.002	4.5
28	MP1B	X	-6.039	4.5
29	MP1B	Z	0	4.5
30	MP1B	Mx	.002	4.5
31	MP4C	X	-5.074	4.5
32	MP4C	Z	0	4.5
33	MP4C	Mx	-.002	4.5
34	MP5B	X	-6.039	4.5
35	MP5B	Z	0	4.5
36	MP5B	Mx	-.002	4.5
37	MP1C	X	-3.887	3
38	MP1C	Z	0	3
39	MP1C	Mx	.000972	3
40	MP2B	X	-3.887	3
41	MP2B	Z	0	3
42	MP2B	Mx	.000972	3
43	MP2A	X	-11.082	1
44	MP2A	Z	0	1
45	MP2A	Mx	-.006	1
46	MP2C	X	-12.977	1
47	MP2C	Z	0	1
48	MP2C	Mx	.005	1
49	MP3B	X	-14.523	1
50	MP3B	Z	0	1
51	MP3B	Mx	.004	1
52	MP4A	X	-11.082	1
53	MP4A	Z	0	1
54	MP4A	Mx	-.006	1
55	MP4C	X	-12.977	1
56	MP4C	Z	0	1
57	MP4C	Mx	.005	1
58	MP2B	X	-13.054	1
59	MP2B	Z	0	1
60	MP2B	Mx	.004	1
61	MP3A	X	-9.338	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.005	1
64	MP3C	X	-11.954	1
65	MP3C	Z	0	1
66	MP3C	Mx	.005	1
67	MP5A	X	-9.338	1
68	MP5A	Z	0	1
69	MP5A	Mx	-.005	1
70	MP5C	X	-11.954	1
71	MP5C	Z	0	1
72	MP5C	Mx	.005	1
73	MP2C	X	-11.974	2
74	MP2C	Z	0	2
75	MP2C	Mx	-.005	2
76	MP2C	X	-11.974	5
77	MP2C	Z	0	5
78	MP2C	Mx	-.005	5
79	MP4A	X	-16.159	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	0	2
81	MP4A	Mx	.004	2
82	MP4A	X	-16.159	5
83	MP4A	Z	0	5
84	MP4A	Mx	.004	5
85	MP4B	X	-16.159	2
86	MP4B	Z	0	2
87	MP4B	Mx	-.004	2
88	MP4B	X	-16.159	5
89	MP4B	Z	0	5
90	MP4B	Mx	-.004	5
91	MP1C	X	-33.035	1
92	MP1C	Z	0	1
93	MP1C	Mx	-.029	1
94	MP1C	X	-33.035	5
95	MP1C	Z	0	5
96	MP1C	Mx	-.029	5
97	MP1C	X	-33.035	1
98	MP1C	Z	0	1
99	MP1C	Mx	.004	1
100	MP1C	X	-33.035	5
101	MP1C	Z	0	5
102	MP1C	Mx	.004	5
103	MP2B	X	-36.381	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.01	1
106	MP2B	X	-36.381	5
107	MP2B	Z	0	5
108	MP2B	Mx	-.01	5
109	MP2B	X	-36.381	1
110	MP2B	Z	0	1
111	MP2B	Mx	.032	1
112	MP2B	X	-36.381	5
113	MP2B	Z	0	5
114	MP2B	Mx	.032	5
115	MP6A	X	-29.447	2
116	MP6A	Z	0	2
117	MP6A	Mx	-.004	2
118	MP6A	X	-29.447	6
119	MP6A	Z	0	6
120	MP6A	Mx	-.004	6
121	MP6A	X	-29.447	2
122	MP6A	Z	0	2
123	MP6A	Mx	.023	2
124	MP6A	X	-29.447	6
125	MP6A	Z	0	6
126	MP6A	Mx	.023	6
127	MP6C	X	-27.633	2
128	MP6C	Z	0	2
129	MP6C	Mx	-.021	2
130	MP6C	X	-27.633	6
131	MP6C	Z	0	6
132	MP6C	Mx	-.021	6
133	MP6C	X	-27.633	2
134	MP6C	Z	0	2
135	MP6C	Mx	-.000223	2
136	MP6C	X	-27.633	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
137	MP6C	Z	0	6
138	MP6C	Mx	-.000223	6
139	MP6B	X	-14.087	1.5
140	MP6B	Z	0	1.5
141	MP6B	Mx	.002	1.5
142	MPB	X	-14.523	1.5
143	MPB	Z	0	1.5
144	MPB	Mx	.002	1.5
145	MP6A	X	-3.176	5
146	MP6A	Z	0	5
147	MP6A	Mx	-.001	5
148	MP6C	X	-3.887	5
149	MP6C	Z	0	5
150	MP6C	Mx	.000648	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-15.727	1
2	MP1A	Z	-9.08	1
3	MP1A	Mx	0	1
4	MP1A	X	-15.727	3
5	MP1A	Z	-9.08	3
6	MP1A	Mx	0	3
7	MP1B	X	-9.14	1
8	MP1B	Z	-5.277	1
9	MP1B	Mx	.005	1
10	MP1B	X	-9.14	3
11	MP1B	Z	-5.277	3
12	MP1B	Mx	.005	3
13	MP4C	X	-7.209	1
14	MP4C	Z	-4.162	1
15	MP4C	Mx	-.004	1
16	MP4C	X	-7.209	3
17	MP4C	Z	-4.162	3
18	MP4C	Mx	-.004	3
19	MP5B	X	-15.463	1
20	MP5B	Z	-8.927	1
21	MP5B	Mx	-.002	1
22	MP5B	X	-15.463	3
23	MP5B	Z	-8.927	3
24	MP5B	Mx	-.002	3
25	MP1A	X	-7.072	4.5
26	MP1A	Z	-4.083	4.5
27	MP1A	Mx	.000709	4.5
28	MP1B	X	-2.969	4.5
29	MP1B	Z	-1.714	4.5
30	MP1B	Mx	.002	4.5
31	MP4C	X	-2.552	4.5
32	MP4C	Z	-1.473	4.5
33	MP4C	Mx	-.001	4.5
34	MP5B	X	-7.072	4.5
35	MP5B	Z	-4.083	4.5
36	MP5B	Mx	-.000709	4.5
37	MP1C	X	-3.571	3
38	MP1C	Z	-2.062	3
39	MP1C	Mx	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2B	X	-3.571	3
41	MP2B	Z	-2.062	3
42	MP2B	Mx	0	3
43	MP2A	X	-10.59	1
44	MP2A	Z	-6.114	1
45	MP2A	Mx	-.005	1
46	MP2C	X	-9.717	1
47	MP2C	Z	-5.61	1
48	MP2C	Mx	.006	1
49	MP3B	X	-13.57	1
50	MP3B	Z	-7.835	1
51	MP3B	Mx	0	1
52	MP4A	X	-10.59	1
53	MP4A	Z	-6.114	1
54	MP4A	Mx	-.005	1
55	MP4C	X	-9.717	1
56	MP4C	Z	-5.61	1
57	MP4C	Mx	.006	1
58	MP2B	X	-13.405	1
59	MP2B	Z	-7.739	1
60	MP2B	Mx	.001	1
61	MP3A	X	-9.458	1
62	MP3A	Z	-5.461	1
63	MP3A	Mx	-.005	1
64	MP3C	X	-8.253	1
65	MP3C	Z	-4.765	1
66	MP3C	Mx	.005	1
67	MP5A	X	-9.458	1
68	MP5A	Z	-5.461	1
69	MP5A	Mx	-.005	1
70	MP5C	X	-8.253	1
71	MP5C	Z	-4.765	1
72	MP5C	Mx	.005	1
73	MP2C	X	-8.558	2
74	MP2C	Z	-4.941	2
75	MP2C	Mx	-.005	2
76	MP2C	X	-8.558	5
77	MP2C	Z	-4.941	5
78	MP2C	Mx	-.005	5
79	MP4A	X	-15.807	2
80	MP4A	Z	-9.126	2
81	MP4A	Mx	0	2
82	MP4A	X	-15.807	5
83	MP4A	Z	-9.126	5
84	MP4A	Mx	0	5
85	MP4B	X	-15.807	2
86	MP4B	Z	-9.126	2
87	MP4B	Mx	0	2
88	MP4B	X	-15.807	5
89	MP4B	Z	-9.126	5
90	MP4B	Mx	0	5
91	MP1C	X	-35.41	1
92	MP1C	Z	-20.444	1
93	MP1C	Mx	-.031	1
94	MP1C	X	-35.41	5
95	MP1C	Z	-20.444	5
96	MP1C	Mx	-.031	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1C	X	-35.41	1
98	MP1C	Z	-20.444	1
99	MP1C	Mx	.023	1
100	MP1C	X	-35.41	5
101	MP1C	Z	-20.444	5
102	MP1C	Mx	.023	5
103	MP2B	X	-22.629	1
104	MP2B	Z	-13.065	1
105	MP2B	Mx	.004	1
106	MP2B	X	-22.629	5
107	MP2B	Z	-13.065	5
108	MP2B	Mx	.004	5
109	MP2B	X	-22.629	1
110	MP2B	Z	-13.065	1
111	MP2B	Mx	.022	1
112	MP2B	X	-22.629	5
113	MP2B	Z	-13.065	5
114	MP2B	Mx	.022	5
115	MP6A	X	-28.966	2
116	MP6A	Z	-16.723	2
117	MP6A	Mx	-.016	2
118	MP6A	X	-28.966	6
119	MP6A	Z	-16.723	6
120	MP6A	Mx	-.016	6
121	MP6A	X	-28.966	2
122	MP6A	Z	-16.723	2
123	MP6A	Mx	.022	2
124	MP6A	X	-28.966	6
125	MP6A	Z	-16.723	6
126	MP6A	Mx	.022	6
127	MP6C	X	-20.467	2
128	MP6C	Z	-11.816	2
129	MP6C	Mx	-.014	2
130	MP6C	X	-20.467	6
131	MP6C	Z	-11.816	6
132	MP6C	Mx	-.014	6
133	MP6C	X	-20.467	2
134	MP6C	Z	-11.816	2
135	MP6C	Mx	-.009	2
136	MP6C	X	-20.467	6
137	MP6C	Z	-11.816	6
138	MP6C	Mx	-.009	6
139	MP6B	X	-13.57	1.5
140	MP6B	Z	-7.835	1.5
141	MP6B	Mx	0	1.5
142	MPB	X	-13.57	1.5
143	MPB	Z	-7.835	1.5
144	MPB	Mx	0	1.5
145	MP6A	X	-2.956	5
146	MP6A	Z	-1.706	5
147	MP6A	Mx	-.000985	5
148	MP6C	X	-2.956	5
149	MP6C	Z	-1.706	5
150	MP6C	Mx	.000985	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-7.812	1
2	MP1A	Z	-13.532	1
3	MP1A	Mx	-.004	1
4	MP1A	X	-7.812	3
5	MP1A	Z	-13.532	3
6	MP1A	Mx	-.004	3
7	MP1B	X	-4.009	1
8	MP1B	Z	-6.944	1
9	MP1B	Mx	.004	1
10	MP1B	X	-4.009	3
11	MP1B	Z	-6.944	3
12	MP1B	Mx	.004	3
13	MP4C	X	-4.602	1
14	MP4C	Z	-7.971	1
15	MP4C	Mx	-.004	1
16	MP4C	X	-4.602	3
17	MP4C	Z	-7.971	3
18	MP4C	Mx	-.004	3
19	MP5B	X	-8.487	1
20	MP5B	Z	-14.7	1
21	MP5B	Mx	.003	1
22	MP5B	X	-8.487	3
23	MP5B	Z	-14.7	3
24	MP5B	Mx	.003	3
25	MP1A	X	-3.842	4.5
26	MP1A	Z	-6.655	4.5
27	MP1A	Mx	-.001	4.5
28	MP1B	X	-1.473	4.5
29	MP1B	Z	-2.552	4.5
30	MP1B	Mx	.001	4.5
31	MP4C	X	-1.714	4.5
32	MP4C	Z	-2.969	4.5
33	MP4C	Mx	-.002	4.5
34	MP5B	X	-3.842	4.5
35	MP5B	Z	-6.655	4.5
36	MP5B	Mx	.001	4.5
37	MP1C	X	-1.943	3
38	MP1C	Z	-3.366	3
39	MP1C	Mx	-.000972	3
40	MP2B	X	-1.943	3
41	MP2B	Z	-3.366	3
42	MP2B	Mx	-.000972	3
43	MP2A	X	-7.261	1
44	MP2A	Z	-12.577	1
45	MP2A	Mx	-.004	1
46	MP2C	X	-5.809	1
47	MP2C	Z	-10.062	1
48	MP2C	Mx	.005	1
49	MP3B	X	-7.261	1
50	MP3B	Z	-12.577	1
51	MP3B	Mx	-.004	1
52	MP4A	X	-7.261	1
53	MP4A	Z	-12.577	1
54	MP4A	Mx	-.004	1
55	MP4C	X	-5.809	1
56	MP4C	Z	-10.062	1
57	MP4C	Mx	.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-7.464	1
59	MP2B	Z	-12.929	1
60	MP2B	Mx	-.003	1
61	MP3A	X	-7.043	1
62	MP3A	Z	-12.199	1
63	MP3A	Mx	-.004	1
64	MP3C	X	-5.039	1
65	MP3C	Z	-8.729	1
66	MP3C	Mx	.005	1
67	MP5A	X	-7.043	1
68	MP5A	Z	-12.199	1
69	MP5A	Mx	-.004	1
70	MP5C	X	-5.039	1
71	MP5C	Z	-8.729	1
72	MP5C	Mx	.005	1
73	MP2C	X	-5.987	2
74	MP2C	Z	-10.37	2
75	MP2C	Mx	-.005	2
76	MP2C	X	-5.987	5
77	MP2C	Z	-10.37	5
78	MP2C	Mx	-.005	5
79	MP4A	X	-8.08	2
80	MP4A	Z	-13.994	2
81	MP4A	Mx	-.004	2
82	MP4A	X	-8.08	5
83	MP4A	Z	-13.994	5
84	MP4A	Mx	-.004	5
85	MP4B	X	-8.08	2
86	MP4B	Z	-13.994	2
87	MP4B	Mx	.004	2
88	MP4B	X	-8.08	5
89	MP4B	Z	-13.994	5
90	MP4B	Mx	.004	5
91	MP1C	X	-19.554	1
92	MP1C	Z	-33.868	1
93	MP1C	Mx	-.017	1
94	MP1C	X	-19.554	5
95	MP1C	Z	-33.868	5
96	MP1C	Mx	-.017	5
97	MP1C	X	-19.554	1
98	MP1C	Z	-33.868	1
99	MP1C	Mx	.032	1
100	MP1C	X	-19.554	5
101	MP1C	Z	-33.868	5
102	MP1C	Mx	.032	5
103	MP2B	X	-10.502	1
104	MP2B	Z	-18.19	1
105	MP2B	Mx	.012	1
106	MP2B	X	-10.502	5
107	MP2B	Z	-18.19	5
108	MP2B	Mx	.012	5
109	MP2B	X	-10.502	1
110	MP2B	Z	-18.19	1
111	MP2B	Mx	.012	1
112	MP2B	X	-10.502	5
113	MP2B	Z	-18.19	5
114	MP2B	Mx	.012	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP6A	X	-16.27	2
116	MP6A	Z	-28.18	2
117	MP6A	Mx	-.023	2
118	MP6A	X	-16.27	6
119	MP6A	Z	-28.18	6
120	MP6A	Mx	-.023	6
121	MP6A	X	-16.27	2
122	MP6A	Z	-28.18	2
123	MP6A	Mx	.012	2
124	MP6A	X	-16.27	6
125	MP6A	Z	-28.18	6
126	MP6A	Mx	.012	6
127	MP6C	X	-12.27	2
128	MP6C	Z	-21.252	2
129	MP6C	Mx	-.007	2
130	MP6C	X	-12.27	6
131	MP6C	Z	-21.252	6
132	MP6C	Mx	-.007	6
133	MP6C	X	-12.27	2
134	MP6C	Z	-21.252	2
135	MP6C	Mx	-.016	2
136	MP6C	X	-12.27	6
137	MP6C	Z	-21.252	6
138	MP6C	Mx	-.016	6
139	MP6B	X	-7.043	1.5
140	MP6B	Z	-12.199	1.5
141	MP6B	Mx	-.002	1.5
142	MPB	X	-7.261	1.5
143	MPB	Z	-12.577	1.5
144	MPB	Mx	-.002	1.5
145	MP6A	X	-1.943	5
146	MP6A	Z	-3.366	5
147	MP6A	Mx	-.000648	5
148	MP6C	X	-1.588	5
149	MP6C	Z	-2.75	5
150	MP6C	Mx	.001	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	-2.993	1
3	MP1A	Mx	-.001	1
4	MP1A	X	0	3
5	MP1A	Z	-2.993	3
6	MP1A	Mx	-.001	3
7	MP1B	X	0	1
8	MP1B	Z	-2.993	1
9	MP1B	Mx	.001	1
10	MP1B	X	0	3
11	MP1B	Z	-2.993	3
12	MP1B	Mx	.001	3
13	MP4C	X	0	1
14	MP4C	Z	-4.121	1
15	MP4C	Mx	-.001	1
16	MP4C	X	0	3
17	MP4C	Z	-4.121	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	-.001	3
19	MP5B	X	0	1
20	MP5B	Z	-3.539	1
21	MP5B	Mx	.001	1
22	MP5B	X	0	3
23	MP5B	Z	-3.539	3
24	MP5B	Mx	.001	3
25	MP1A	X	0	4.5
26	MP1A	Z	-1.101	4.5
27	MP1A	Mx	-.000422	4.5
28	MP1B	X	0	4.5
29	MP1B	Z	-1.101	4.5
30	MP1B	Mx	.000422	4.5
31	MP4C	X	0	4.5
32	MP4C	Z	-1.392	4.5
33	MP4C	Mx	-.000447	4.5
34	MP5B	X	0	4.5
35	MP5B	Z	-1.101	4.5
36	MP5B	Mx	.000422	4.5
37	MP1C	X	0	3
38	MP1C	Z	-.666	3
39	MP1C	Mx	-.000288	3
40	MP2B	X	0	3
41	MP2B	Z	-.666	3
42	MP2B	Mx	-.000288	3
43	MP2A	X	0	1
44	MP2A	Z	-4.381	1
45	MP2A	Mx	0	1
46	MP2C	X	0	1
47	MP2C	Z	-3.78	1
48	MP2C	Mx	.001	1
49	MP3B	X	0	1
50	MP3B	Z	-3.291	1
51	MP3B	Mx	-.001	1
52	MP4A	X	0	1
53	MP4A	Z	-4.381	1
54	MP4A	Mx	0	1
55	MP4C	X	0	1
56	MP4C	Z	-3.78	1
57	MP4C	Mx	.001	1
58	MP2B	X	0	1
59	MP2B	Z	-3.202	1
60	MP2B	Mx	-.001	1
61	MP3A	X	0	1
62	MP3A	Z	-4.381	1
63	MP3A	Mx	0	1
64	MP3C	X	0	1
65	MP3C	Z	-3.551	1
66	MP3C	Mx	.001	1
67	MP5A	X	0	1
68	MP5A	Z	-4.381	1
69	MP5A	Mx	0	1
70	MP5C	X	0	1
71	MP5C	Z	-3.551	1
72	MP5C	Mx	.001	1
73	MP2C	X	0	2
74	MP2C	Z	-4.805	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	-.001	2
76	MP2C	X	0	5
77	MP2C	Z	-4.805	5
78	MP2C	Mx	-.001	5
79	MP4A	X	0	2
80	MP4A	Z	-3.357	2
81	MP4A	Mx	-.001	2
82	MP4A	X	0	5
83	MP4A	Z	-3.357	5
84	MP4A	Mx	-.001	5
85	MP4B	X	0	2
86	MP4B	Z	-3.357	2
87	MP4B	Mx	.001	2
88	MP4B	X	0	5
89	MP4B	Z	-3.357	5
90	MP4B	Mx	.001	5
91	MP1C	X	0	1
92	MP1C	Z	-9.148	1
93	MP1C	Mx	.000168	1
94	MP1C	X	0	5
95	MP1C	Z	-9.148	5
96	MP1C	Mx	.000168	5
97	MP1C	X	0	1
98	MP1C	Z	-9.148	1
99	MP1C	Mx	.008	1
100	MP1C	X	0	5
101	MP1C	Z	-9.148	5
102	MP1C	Mx	.008	5
103	MP2B	X	0	1
104	MP2B	Z	-7.979	1
105	MP2B	Mx	.007	1
106	MP2B	X	0	5
107	MP2B	Z	-7.979	5
108	MP2B	Mx	.007	5
109	MP2B	X	0	1
110	MP2B	Z	-7.979	1
111	MP2B	Mx	.001	1
112	MP2B	X	0	5
113	MP2B	Z	-7.979	5
114	MP2B	Mx	.001	5
115	MP6A	X	0	2
116	MP6A	Z	-8.521	2
117	MP6A	Mx	-.006	2
118	MP6A	X	0	6
119	MP6A	Z	-8.521	6
120	MP6A	Mx	-.006	6
121	MP6A	X	0	2
122	MP6A	Z	-8.521	2
123	MP6A	Mx	-6.9e-5	2
124	MP6A	X	0	6
125	MP6A	Z	-8.521	6
126	MP6A	Mx	-6.9e-5	6
127	MP6C	X	0	2
128	MP6C	Z	-9.157	2
129	MP6C	Mx	.001	2
130	MP6C	X	0	6
131	MP6C	Z	-9.157	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
132	MP6C	Mx	.001	6
133	MP6C	X	0	2
134	MP6C	Z	-9.157	2
135	MP6C	Mx	-.007	2
136	MP6C	X	0	6
137	MP6C	Z	-9.157	6
138	MP6C	Mx	-.007	6
139	MP6B	X	0	1.5
140	MP6B	Z	-2.874	1.5
141	MP6B	Mx	-.00083	1.5
142	MPB	X	0	1.5
143	MPB	Z	-3.291	1.5
144	MPB	Mx	-.00095	1.5
145	MP6A	X	0	5
146	MP6A	Z	-.867	5
147	MP6A	Mx	0	5
148	MP6C	X	0	5
149	MP6C	Z	-.666	5
150	MP6C	Mx	.000192	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	1.078	1
2	MP1A	Z	-1.866	1
3	MP1A	Mx	-.001	1
4	MP1A	X	1.078	3
5	MP1A	Z	-1.866	3
6	MP1A	Mx	-.001	3
7	MP1B	X	2.334	1
8	MP1B	Z	-4.042	1
9	MP1B	Mx	.001	1
10	MP1B	X	2.334	3
11	MP1B	Z	-4.042	3
12	MP1B	Mx	.001	3
13	MP4C	X	2.702	1
14	MP4C	Z	-4.68	1
15	MP4C	Mx	-.000469	1
16	MP4C	X	2.702	3
17	MP4C	Z	-4.68	3
18	MP4C	Mx	-.000469	3
19	MP5B	X	1.128	1
20	MP5B	Z	-1.954	1
21	MP5B	Mx	.001	1
22	MP5B	X	1.128	3
23	MP5B	Z	-1.954	3
24	MP5B	Mx	.001	3
25	MP1A	X	.23	4.5
26	MP1A	Z	-.398	4.5
27	MP1A	Mx	-.000226	4.5
28	MP1B	X	.944	4.5
29	MP1B	Z	-1.636	4.5
30	MP1B	Mx	.000323	4.5
31	MP4C	X	1.017	4.5
32	MP4C	Z	-1.762	4.5
33	MP4C	Mx	-.000177	4.5
34	MP5B	X	.23	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP5B	Z	-.398	4.5
36	MP5B	Mx	.000226	4.5
37	MP1C	X	.3	3
38	MP1C	Z	-.519	3
39	MP1C	Mx	-.0003	3
40	MP2B	X	.3	3
41	MP2B	Z	-.519	3
42	MP2B	Mx	-.0003	3
43	MP2A	X	2.009	1
44	MP2A	Z	-3.479	1
45	MP2A	Mx	.001	1
46	MP2C	X	2.168	1
47	MP2C	Z	-3.756	1
48	MP2C	Mx	.000377	1
49	MP3B	X	1.464	1
50	MP3B	Z	-2.536	1
51	MP3B	Mx	-.001	1
52	MP4A	X	2.009	1
53	MP4A	Z	-3.479	1
54	MP4A	Mx	.001	1
55	MP4C	X	2.168	1
56	MP4C	Z	-3.756	1
57	MP4C	Mx	.000377	1
58	MP2B	X	1.216	1
59	MP2B	Z	-2.107	1
60	MP2B	Mx	-.001	1
61	MP3A	X	1.939	1
62	MP3A	Z	-3.359	1
63	MP3A	Mx	.00097	1
64	MP3C	X	2.16	1
65	MP3C	Z	-3.741	1
66	MP3C	Mx	.000375	1
67	MP5A	X	1.939	1
68	MP5A	Z	-3.359	1
69	MP5A	Mx	.00097	1
70	MP5C	X	2.16	1
71	MP5C	Z	-3.741	1
72	MP5C	Mx	.000375	1
73	MP2C	X	2.764	2
74	MP2C	Z	-4.788	2
75	MP2C	Mx	0	2
76	MP2C	X	2.764	5
77	MP2C	Z	-4.788	5
78	MP2C	Mx	0	5
79	MP4A	X	1.317	2
80	MP4A	Z	-2.28	2
81	MP4A	Mx	-.001	2
82	MP4A	X	1.317	5
83	MP4A	Z	-2.28	5
84	MP4A	Mx	-.001	5
85	MP4B	X	1.317	2
86	MP4B	Z	-2.28	2
87	MP4B	Mx	.001	2
88	MP4B	X	1.317	5
89	MP4B	Z	-2.28	5
90	MP4B	Mx	.001	5
91	MP1C	X	3.202	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-5.546	1
93	MP1C	Mx	.003	1
94	MP1C	X	3.202	5
95	MP1C	Z	-5.546	5
96	MP1C	Mx	.003	5
97	MP1C	X	3.202	1
98	MP1C	Z	-5.546	1
99	MP1C	Mx	.004	1
100	MP1C	X	3.202	5
101	MP1C	Z	-5.546	5
102	MP1C	Mx	.004	5
103	MP2B	X	5.781	1
104	MP2B	Z	-10.012	1
105	MP2B	Mx	.01	1
106	MP2B	X	5.781	5
107	MP2B	Z	-10.012	5
108	MP2B	Mx	.01	5
109	MP2B	X	5.781	1
110	MP2B	Z	-10.012	1
111	MP2B	Mx	-.003	1
112	MP2B	X	5.781	5
113	MP2B	Z	-10.012	5
114	MP2B	Mx	-.003	5
115	MP6A	X	3.559	2
116	MP6A	Z	-6.165	2
117	MP6A	Mx	-.004	2
118	MP6A	X	3.559	6
119	MP6A	Z	-6.165	6
120	MP6A	Mx	-.004	6
121	MP6A	X	3.559	2
122	MP6A	Z	-6.165	2
123	MP6A	Mx	-.003	2
124	MP6A	X	3.559	6
125	MP6A	Z	-6.165	6
126	MP6A	Mx	-.003	6
127	MP6C	X	5.28	2
128	MP6C	Z	-9.145	2
129	MP6C	Mx	.005	2
130	MP6C	X	5.28	6
131	MP6C	Z	-9.145	6
132	MP6C	Mx	.005	6
133	MP6C	X	5.28	2
134	MP6C	Z	-9.145	2
135	MP6C	Mx	-.007	2
136	MP6C	X	5.28	6
137	MP6C	Z	-9.145	6
138	MP6C	Mx	-.007	6
139	MP6B	X	1.186	1.5
140	MP6B	Z	-2.054	1.5
141	MP6B	Mx	-.000791	1.5
142	MPB	X	1.464	1.5
143	MPB	Z	-2.536	1.5
144	MPB	Mx	-.000976	1.5
145	MP6A	X	.4	5
146	MP6A	Z	-.693	5
147	MP6A	Mx	.000133	5
148	MP6C	X	.4	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
149	MP6C	Z	-.693	5
150	MP6C	Mx	.000133	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.592	1
2	MP1A	Z	-1.496	1
3	MP1A	Mx	-.001	1
4	MP1A	X	2.592	3
5	MP1A	Z	-1.496	3
6	MP1A	Mx	-.001	3
7	MP1B	X	4.767	1
8	MP1B	Z	-2.752	1
9	MP1B	Mx	0	1
10	MP1B	X	4.767	3
11	MP1B	Z	-2.752	3
12	MP1B	Mx	0	3
13	MP4C	X	4.428	1
14	MP4C	Z	-2.557	1
15	MP4C	Mx	.000874	1
16	MP4C	X	4.428	3
17	MP4C	Z	-2.557	3
18	MP4C	Mx	.000874	3
19	MP5B	X	2.206	1
20	MP5B	Z	-1.274	1
21	MP5B	Mx	.001	1
22	MP5B	X	2.206	3
23	MP5B	Z	-1.274	3
24	MP5B	Mx	.001	3
25	MP1A	X	.524	4.5
26	MP1A	Z	-.302	4.5
27	MP1A	Mx	-.000284	4.5
28	MP1B	X	1.762	4.5
29	MP1B	Z	-1.017	4.5
30	MP1B	Mx	-.000177	4.5
31	MP4C	X	1.636	4.5
32	MP4C	Z	-.944	4.5
33	MP4C	Mx	.000323	4.5
34	MP5B	X	.524	4.5
35	MP5B	Z	-.302	4.5
36	MP5B	Mx	.000284	4.5
37	MP1C	X	.577	3
38	MP1C	Z	-.333	3
39	MP1C	Mx	-.000288	3
40	MP2B	X	.577	3
41	MP2B	Z	-.333	3
42	MP2B	Mx	-.000288	3
43	MP2A	X	2.85	1
44	MP2A	Z	-1.646	1
45	MP2A	Mx	.001	1
46	MP2C	X	3.647	1
47	MP2C	Z	-2.105	1
48	MP2C	Mx	-.00072	1
49	MP3B	X	2.85	1
50	MP3B	Z	-1.646	1
51	MP3B	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4A	X	2.85	1
53	MP4A	Z	-1.646	1
54	MP4A	Mx	.001	1
55	MP4C	X	3.647	1
56	MP4C	Z	-2.105	1
57	MP4C	Mx	-.00072	1
58	MP2B	X	2.258	1
59	MP2B	Z	-1.303	1
60	MP2B	Mx	-.001	1
61	MP3A	X	2.489	1
62	MP3A	Z	-1.437	1
63	MP3A	Mx	.001	1
64	MP3C	X	3.59	1
65	MP3C	Z	-2.073	1
66	MP3C	Mx	-.000709	1
67	MP5A	X	2.489	1
68	MP5A	Z	-1.437	1
69	MP5A	Mx	.001	1
70	MP5C	X	3.59	1
71	MP5C	Z	-2.073	1
72	MP5C	Mx	-.000709	1
73	MP2C	X	4.161	2
74	MP2C	Z	-2.402	2
75	MP2C	Mx	.001	2
76	MP2C	X	4.161	5
77	MP2C	Z	-2.402	5
78	MP2C	Mx	.001	5
79	MP4A	X	2.907	2
80	MP4A	Z	-1.679	2
81	MP4A	Mx	-.001	2
82	MP4A	X	2.907	5
83	MP4A	Z	-1.679	5
84	MP4A	Mx	-.001	5
85	MP4B	X	2.907	2
86	MP4B	Z	-1.679	2
87	MP4B	Mx	.001	2
88	MP4B	X	2.907	5
89	MP4B	Z	-1.679	5
90	MP4B	Mx	.001	5
91	MP1C	X	6.085	1
92	MP1C	Z	-3.513	1
93	MP1C	Mx	.005	1
94	MP1C	X	6.085	5
95	MP1C	Z	-3.513	5
96	MP1C	Mx	.005	5
97	MP1C	X	6.085	1
98	MP1C	Z	-3.513	1
99	MP1C	Mx	.002	1
100	MP1C	X	6.085	5
101	MP1C	Z	-3.513	5
102	MP1C	Mx	.002	5
103	MP2B	X	11.564	1
104	MP2B	Z	-6.676	1
105	MP2B	Mx	.009	1
106	MP2B	X	11.564	5
107	MP2B	Z	-6.676	5
108	MP2B	Mx	.009	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP2B	X	11.564	1
110	MP2B	Z	-6.676	1
111	MP2B	Mx	-.009	1
112	MP2B	X	11.564	5
113	MP2B	Z	-6.676	5
114	MP2B	Mx	-.009	5
115	MP6A	X	6.44	2
116	MP6A	Z	-3.718	2
117	MP6A	Mx	-.002	2
118	MP6A	X	6.44	6
119	MP6A	Z	-3.718	6
120	MP6A	Mx	-.002	6
121	MP6A	X	6.44	2
122	MP6A	Z	-3.718	2
123	MP6A	Mx	-.005	2
124	MP6A	X	6.44	6
125	MP6A	Z	-3.718	6
126	MP6A	Mx	-.005	6
127	MP6C	X	8.87	2
128	MP6C	Z	-5.121	2
129	MP6C	Mx	.007	2
130	MP6C	X	8.87	6
131	MP6C	Z	-5.121	6
132	MP6C	Mx	.007	6
133	MP6C	X	8.87	2
134	MP6C	Z	-5.121	2
135	MP6C	Mx	-.004	2
136	MP6C	X	8.87	6
137	MP6C	Z	-5.121	6
138	MP6C	Mx	-.004	6
139	MP6B	X	2.489	1.5
140	MP6B	Z	-1.437	1.5
141	MP6B	Mx	-.00083	1.5
142	MPB	X	2.85	1.5
143	MPB	Z	-1.646	1.5
144	MPB	Mx	-.00095	1.5
145	MP6A	X	.577	5
146	MP6A	Z	-.333	5
147	MP6A	Mx	.000192	5
148	MP6C	X	.751	5
149	MP6C	Z	-.433	5
150	MP6C	Mx	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.668	1
2	MP1A	Z	0	1
3	MP1A	Mx	-.001	1
4	MP1A	X	4.668	3
5	MP1A	Z	0	3
6	MP1A	Mx	-.001	3
7	MP1B	X	4.668	1
8	MP1B	Z	0	1
9	MP1B	Mx	-.001	1
10	MP1B	X	4.668	3
11	MP1B	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP1B	Mx	-.001	3
13	MP4C	X	3.539	1
14	MP4C	Z	0	1
15	MP4C	Mx	.001	1
16	MP4C	X	3.539	3
17	MP4C	Z	0	3
18	MP4C	Mx	.001	3
19	MP5B	X	4.121	1
20	MP5B	Z	0	1
21	MP5B	Mx	.001	1
22	MP5B	X	4.121	3
23	MP5B	Z	0	3
24	MP5B	Mx	.001	3
25	MP1A	X	1.392	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	-.000447	4.5
28	MP1B	X	1.392	4.5
29	MP1B	Z	0	4.5
30	MP1B	Mx	-.000447	4.5
31	MP4C	X	1.101	4.5
32	MP4C	Z	0	4.5
33	MP4C	Mx	.000422	4.5
34	MP5B	X	1.392	4.5
35	MP5B	Z	0	4.5
36	MP5B	Mx	.000447	4.5
37	MP1C	X	.8	3
38	MP1C	Z	0	3
39	MP1C	Mx	-.0002	3
40	MP2B	X	.8	3
41	MP2B	Z	0	3
42	MP2B	Mx	-.0002	3
43	MP2A	X	2.928	1
44	MP2A	Z	0	1
45	MP2A	Mx	.001	1
46	MP2C	X	3.528	1
47	MP2C	Z	0	1
48	MP2C	Mx	-.001	1
49	MP3B	X	4.017	1
50	MP3B	Z	0	1
51	MP3B	Mx	-.001	1
52	MP4A	X	2.928	1
53	MP4A	Z	0	1
54	MP4A	Mx	.001	1
55	MP4C	X	3.528	1
56	MP4C	Z	0	1
57	MP4C	Mx	-.001	1
58	MP2B	X	3.551	1
59	MP2B	Z	0	1
60	MP2B	Mx	-.001	1
61	MP3A	X	2.372	1
62	MP3A	Z	0	1
63	MP3A	Mx	.001	1
64	MP3C	X	3.202	1
65	MP3C	Z	0	1
66	MP3C	Mx	-.001	1
67	MP5A	X	2.372	1
68	MP5A	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP5A	Mx	.001	1
70	MP5C	X	3.202	1
71	MP5C	Z	0	1
72	MP5C	Mx	-.001	1
73	MP2C	X	3.357	2
74	MP2C	Z	0	2
75	MP2C	Mx	.001	2
76	MP2C	X	3.357	5
77	MP2C	Z	0	5
78	MP2C	Mx	.001	5
79	MP4A	X	4.805	2
80	MP4A	Z	0	2
81	MP4A	Mx	-.001	2
82	MP4A	X	4.805	5
83	MP4A	Z	0	5
84	MP4A	Mx	-.001	5
85	MP4B	X	4.805	2
86	MP4B	Z	0	2
87	MP4B	Mx	.001	2
88	MP4B	X	4.805	5
89	MP4B	Z	0	5
90	MP4B	Mx	.001	5
91	MP1C	X	10.392	1
92	MP1C	Z	0	1
93	MP1C	Mx	.009	1
94	MP1C	X	10.392	5
95	MP1C	Z	0	5
96	MP1C	Mx	.009	5
97	MP1C	X	10.392	1
98	MP1C	Z	0	1
99	MP1C	Mx	-.001	1
100	MP1C	X	10.392	5
101	MP1C	Z	0	5
102	MP1C	Mx	-.001	5
103	MP2B	X	11.561	1
104	MP2B	Z	0	1
105	MP2B	Mx	.003	1
106	MP2B	X	11.561	5
107	MP2B	Z	0	5
108	MP2B	Mx	.003	5
109	MP2B	X	11.561	1
110	MP2B	Z	0	1
111	MP2B	Mx	-.01	1
112	MP2B	X	11.561	5
113	MP2B	Z	0	5
114	MP2B	Mx	-.01	5
115	MP6A	X	9.157	2
116	MP6A	Z	0	2
117	MP6A	Mx	.001	2
118	MP6A	X	9.157	6
119	MP6A	Z	0	6
120	MP6A	Mx	.001	6
121	MP6A	X	9.157	2
122	MP6A	Z	0	2
123	MP6A	Mx	-.007	2
124	MP6A	X	9.157	6
125	MP6A	Z	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
126	MP6A	Mx	-.007	6
127	MP6C	X	8.521	2
128	MP6C	Z	0	2
129	MP6C	Mx	.006	2
130	MP6C	X	8.521	6
131	MP6C	Z	0	6
132	MP6C	Mx	.006	6
133	MP6C	X	8.521	2
134	MP6C	Z	0	2
135	MP6C	Mx	6.9e-5	2
136	MP6C	X	8.521	6
137	MP6C	Z	0	6
138	MP6C	Mx	6.9e-5	6
139	MP6B	X	3.878	1.5
140	MP6B	Z	0	1.5
141	MP6B	Mx	-.000646	1.5
142	MPB	X	4.017	1.5
143	MPB	Z	0	1.5
144	MPB	Mx	-.00067	1.5
145	MP6A	X	.6	5
146	MP6A	Z	0	5
147	MP6A	Mx	.0002	5
148	MP6C	X	.8	5
149	MP6C	Z	0	5
150	MP6C	Mx	-.000133	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.767	1
2	MP1A	Z	2.752	1
3	MP1A	Mx	0	1
4	MP1A	X	4.767	3
5	MP1A	Z	2.752	3
6	MP1A	Mx	0	3
7	MP1B	X	2.592	1
8	MP1B	Z	1.496	1
9	MP1B	Mx	-.001	1
10	MP1B	X	2.592	3
11	MP1B	Z	1.496	3
12	MP1B	Mx	-.001	3
13	MP4C	X	1.954	1
14	MP4C	Z	1.128	1
15	MP4C	Mx	.001	1
16	MP4C	X	1.954	3
17	MP4C	Z	1.128	3
18	MP4C	Mx	.001	3
19	MP5B	X	4.68	1
20	MP5B	Z	2.702	1
21	MP5B	Mx	.000469	1
22	MP5B	X	4.68	3
23	MP5B	Z	2.702	3
24	MP5B	Mx	.000469	3
25	MP1A	X	1.762	4.5
26	MP1A	Z	1.017	4.5
27	MP1A	Mx	-.000177	4.5
28	MP1B	X	.524	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP1B	Z	.302	4.5
30	MP1B	Mx	-.000284	4.5
31	MP4C	X	.398	4.5
32	MP4C	Z	.23	4.5
33	MP4C	Mx	.000226	4.5
34	MP5B	X	1.762	4.5
35	MP5B	Z	1.017	4.5
36	MP5B	Mx	.000177	4.5
37	MP1C	X	.751	3
38	MP1C	Z	.433	3
39	MP1C	Mx	0	3
40	MP2B	X	.751	3
41	MP2B	Z	.433	3
42	MP2B	Mx	0	3
43	MP2A	X	2.85	1
44	MP2A	Z	1.646	1
45	MP2A	Mx	.001	1
46	MP2C	X	2.574	1
47	MP2C	Z	1.486	1
48	MP2C	Mx	-.001	1
49	MP3B	X	3.794	1
50	MP3B	Z	2.19	1
51	MP3B	Mx	0	1
52	MP4A	X	2.85	1
53	MP4A	Z	1.646	1
54	MP4A	Mx	.001	1
55	MP4C	X	2.574	1
56	MP4C	Z	1.486	1
57	MP4C	Mx	-.001	1
58	MP2B	X	3.741	1
59	MP2B	Z	2.16	1
60	MP2B	Mx	-.000375	1
61	MP3A	X	2.489	1
62	MP3A	Z	1.437	1
63	MP3A	Mx	.001	1
64	MP3C	X	2.107	1
65	MP3C	Z	1.216	1
66	MP3C	Mx	-.001	1
67	MP5A	X	2.489	1
68	MP5A	Z	1.437	1
69	MP5A	Mx	.001	1
70	MP5C	X	2.107	1
71	MP5C	Z	1.216	1
72	MP5C	Mx	-.001	1
73	MP2C	X	2.28	2
74	MP2C	Z	1.317	2
75	MP2C	Mx	.001	2
76	MP2C	X	2.28	5
77	MP2C	Z	1.317	5
78	MP2C	Mx	.001	5
79	MP4A	X	4.788	2
80	MP4A	Z	2.764	2
81	MP4A	Mx	0	2
82	MP4A	X	4.788	5
83	MP4A	Z	2.764	5
84	MP4A	Mx	0	5
85	MP4B	X	4.788	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
86	MP4B	Z	2.764	2
87	MP4B	Mx	0	2
88	MP4B	X	4.788	5
89	MP4B	Z	2.764	5
90	MP4B	Mx	0	5
91	MP1C	X	11.377	1
92	MP1C	Z	6.568	1
93	MP1C	Mx	.01	1
94	MP1C	X	11.377	5
95	MP1C	Z	6.568	5
96	MP1C	Mx	.01	5
97	MP1C	X	11.377	1
98	MP1C	Z	6.568	1
99	MP1C	Mx	-.007	1
100	MP1C	X	11.377	5
101	MP1C	Z	6.568	5
102	MP1C	Mx	-.007	5
103	MP2B	X	6.91	1
104	MP2B	Z	3.99	1
105	MP2B	Mx	-.001	1
106	MP2B	X	6.91	5
107	MP2B	Z	3.99	5
108	MP2B	Mx	-.001	5
109	MP2B	X	6.91	1
110	MP2B	Z	3.99	1
111	MP2B	Mx	-.007	1
112	MP2B	X	6.91	5
113	MP2B	Z	3.99	5
114	MP2B	Mx	-.007	5
115	MP6A	X	9.145	2
116	MP6A	Z	5.28	2
117	MP6A	Mx	.005	2
118	MP6A	X	9.145	6
119	MP6A	Z	5.28	6
120	MP6A	Mx	.005	6
121	MP6A	X	9.145	2
122	MP6A	Z	5.28	2
123	MP6A	Mx	-.007	2
124	MP6A	X	9.145	6
125	MP6A	Z	5.28	6
126	MP6A	Mx	-.007	6
127	MP6C	X	6.165	2
128	MP6C	Z	3.559	2
129	MP6C	Mx	.004	2
130	MP6C	X	6.165	6
131	MP6C	Z	3.559	6
132	MP6C	Mx	.004	6
133	MP6C	X	6.165	2
134	MP6C	Z	3.559	2
135	MP6C	Mx	.003	2
136	MP6C	X	6.165	6
137	MP6C	Z	3.559	6
138	MP6C	Mx	.003	6
139	MP6B	X	3.794	1.5
140	MP6B	Z	2.19	1.5
141	MP6B	Mx	0	1.5
142	MPB	X	3.794	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
143	MPB	Z	2.19	1.5
144	MPB	Mx	0	1.5
145	MP6A	X	.577	5
146	MP6A	Z	.333	5
147	MP6A	Mx	.000192	5
148	MP6C	X	.577	5
149	MP6C	Z	.333	5
150	MP6C	Mx	-.000192	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.334	1
2	MP1A	Z	4.042	1
3	MP1A	Mx	.001	1
4	MP1A	X	2.334	3
5	MP1A	Z	4.042	3
6	MP1A	Mx	.001	3
7	MP1B	X	1.078	1
8	MP1B	Z	1.866	1
9	MP1B	Mx	-.001	1
10	MP1B	X	1.078	3
11	MP1B	Z	1.866	3
12	MP1B	Mx	-.001	3
13	MP4C	X	1.274	1
14	MP4C	Z	2.206	1
15	MP4C	Mx	.001	1
16	MP4C	X	1.274	3
17	MP4C	Z	2.206	3
18	MP4C	Mx	.001	3
19	MP5B	X	2.557	1
20	MP5B	Z	4.428	1
21	MP5B	Mx	-.000874	1
22	MP5B	X	2.557	3
23	MP5B	Z	4.428	3
24	MP5B	Mx	-.000874	3
25	MP1A	X	.944	4.5
26	MP1A	Z	1.636	4.5
27	MP1A	Mx	.000323	4.5
28	MP1B	X	.23	4.5
29	MP1B	Z	.398	4.5
30	MP1B	Mx	-.000226	4.5
31	MP4C	X	.302	4.5
32	MP4C	Z	.524	4.5
33	MP4C	Mx	.000284	4.5
34	MP5B	X	.944	4.5
35	MP5B	Z	1.636	4.5
36	MP5B	Mx	-.000323	4.5
37	MP1C	X	.4	3
38	MP1C	Z	.693	3
39	MP1C	Mx	.0002	3
40	MP2B	X	.4	3
41	MP2B	Z	.693	3
42	MP2B	Mx	.0002	3
43	MP2A	X	2.009	1
44	MP2A	Z	3.479	1
45	MP2A	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2C	X	1.549	1
47	MP2C	Z	2.683	1
48	MP2C	Mx	-.001	1
49	MP3B	X	2.009	1
50	MP3B	Z	3.479	1
51	MP3B	Mx	.001	1
52	MP4A	X	2.009	1
53	MP4A	Z	3.479	1
54	MP4A	Mx	.001	1
55	MP4C	X	1.549	1
56	MP4C	Z	2.683	1
57	MP4C	Mx	-.001	1
58	MP2B	X	2.073	1
59	MP2B	Z	3.59	1
60	MP2B	Mx	.000709	1
61	MP3A	X	1.939	1
62	MP3A	Z	3.359	1
63	MP3A	Mx	.00097	1
64	MP3C	X	1.303	1
65	MP3C	Z	2.258	1
66	MP3C	Mx	-.001	1
67	MP5A	X	1.939	1
68	MP5A	Z	3.359	1
69	MP5A	Mx	.00097	1
70	MP5C	X	1.303	1
71	MP5C	Z	2.258	1
72	MP5C	Mx	-.001	1
73	MP2C	X	1.679	2
74	MP2C	Z	2.907	2
75	MP2C	Mx	.001	2
76	MP2C	X	1.679	5
77	MP2C	Z	2.907	5
78	MP2C	Mx	.001	5
79	MP4A	X	2.402	2
80	MP4A	Z	4.161	2
81	MP4A	Mx	.001	2
82	MP4A	X	2.402	5
83	MP4A	Z	4.161	5
84	MP4A	Mx	.001	5
85	MP4B	X	2.402	2
86	MP4B	Z	4.161	2
87	MP4B	Mx	-.001	2
88	MP4B	X	2.402	5
89	MP4B	Z	4.161	5
90	MP4B	Mx	-.001	5
91	MP1C	X	6.257	1
92	MP1C	Z	10.838	1
93	MP1C	Mx	.005	1
94	MP1C	X	6.257	5
95	MP1C	Z	10.838	5
96	MP1C	Mx	.005	5
97	MP1C	X	6.257	1
98	MP1C	Z	10.838	1
99	MP1C	Mx	-.01	1
100	MP1C	X	6.257	5
101	MP1C	Z	10.838	5
102	MP1C	Mx	-.01	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP2B	X	3.094	1
104	MP2B	Z	5.359	1
105	MP2B	Mx	-.004	1
106	MP2B	X	3.094	5
107	MP2B	Z	5.359	5
108	MP2B	Mx	-.004	5
109	MP2B	X	3.094	1
110	MP2B	Z	5.359	1
111	MP2B	Mx	-.004	1
112	MP2B	X	3.094	5
113	MP2B	Z	5.359	5
114	MP2B	Mx	-.004	5
115	MP6A	X	5.121	2
116	MP6A	Z	8.87	2
117	MP6A	Mx	.007	2
118	MP6A	X	5.121	6
119	MP6A	Z	8.87	6
120	MP6A	Mx	.007	6
121	MP6A	X	5.121	2
122	MP6A	Z	8.87	2
123	MP6A	Mx	-.004	2
124	MP6A	X	5.121	6
125	MP6A	Z	8.87	6
126	MP6A	Mx	-.004	6
127	MP6C	X	3.718	2
128	MP6C	Z	6.44	2
129	MP6C	Mx	.002	2
130	MP6C	X	3.718	6
131	MP6C	Z	6.44	6
132	MP6C	Mx	.002	6
133	MP6C	X	3.718	2
134	MP6C	Z	6.44	2
135	MP6C	Mx	.005	2
136	MP6C	X	3.718	6
137	MP6C	Z	6.44	6
138	MP6C	Mx	.005	6
139	MP6B	X	1.939	1.5
140	MP6B	Z	3.359	1.5
141	MP6B	Mx	.000646	1.5
142	MPB	X	2.009	1.5
143	MPB	Z	3.479	1.5
144	MPB	Mx	.000669	1.5
145	MP6A	X	.4	5
146	MP6A	Z	.693	5
147	MP6A	Mx	.000133	5
148	MP6C	X	.3	5
149	MP6C	Z	.519	5
150	MP6C	Mx	-.0002	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	1
2	MP1A	Z	2.993	1
3	MP1A	Mx	.001	1
4	MP1A	X	0	3
5	MP1A	Z	2.993	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
6	MP1A	Mx	.001	3
7	MP1B	X	0	1
8	MP1B	Z	2.993	1
9	MP1B	Mx	-.001	1
10	MP1B	X	0	3
11	MP1B	Z	2.993	3
12	MP1B	Mx	-.001	3
13	MP4C	X	0	1
14	MP4C	Z	4.121	1
15	MP4C	Mx	.001	1
16	MP4C	X	0	3
17	MP4C	Z	4.121	3
18	MP4C	Mx	.001	3
19	MP5B	X	0	1
20	MP5B	Z	3.539	1
21	MP5B	Mx	-.001	1
22	MP5B	X	0	3
23	MP5B	Z	3.539	3
24	MP5B	Mx	-.001	3
25	MP1A	X	0	4.5
26	MP1A	Z	1.101	4.5
27	MP1A	Mx	.000422	4.5
28	MP1B	X	0	4.5
29	MP1B	Z	1.101	4.5
30	MP1B	Mx	-.000422	4.5
31	MP4C	X	0	4.5
32	MP4C	Z	1.392	4.5
33	MP4C	Mx	.000447	4.5
34	MP5B	X	0	4.5
35	MP5B	Z	1.101	4.5
36	MP5B	Mx	-.000422	4.5
37	MP1C	X	0	3
38	MP1C	Z	.666	3
39	MP1C	Mx	.000288	3
40	MP2B	X	0	3
41	MP2B	Z	.666	3
42	MP2B	Mx	.000288	3
43	MP2A	X	0	1
44	MP2A	Z	4.381	1
45	MP2A	Mx	0	1
46	MP2C	X	0	1
47	MP2C	Z	3.78	1
48	MP2C	Mx	-.001	1
49	MP3B	X	0	1
50	MP3B	Z	3.291	1
51	MP3B	Mx	.001	1
52	MP4A	X	0	1
53	MP4A	Z	4.381	1
54	MP4A	Mx	0	1
55	MP4C	X	0	1
56	MP4C	Z	3.78	1
57	MP4C	Mx	-.001	1
58	MP2B	X	0	1
59	MP2B	Z	3.202	1
60	MP2B	Mx	.001	1
61	MP3A	X	0	1
62	MP3A	Z	4.381	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP3A	Mx	0	1
64	MP3C	X	0	1
65	MP3C	Z	3.551	1
66	MP3C	Mx	-.001	1
67	MP5A	X	0	1
68	MP5A	Z	4.381	1
69	MP5A	Mx	0	1
70	MP5C	X	0	1
71	MP5C	Z	3.551	1
72	MP5C	Mx	-.001	1
73	MP2C	X	0	2
74	MP2C	Z	4.805	2
75	MP2C	Mx	.001	2
76	MP2C	X	0	5
77	MP2C	Z	4.805	5
78	MP2C	Mx	.001	5
79	MP4A	X	0	2
80	MP4A	Z	3.357	2
81	MP4A	Mx	.001	2
82	MP4A	X	0	5
83	MP4A	Z	3.357	5
84	MP4A	Mx	.001	5
85	MP4B	X	0	2
86	MP4B	Z	3.357	2
87	MP4B	Mx	-.001	2
88	MP4B	X	0	5
89	MP4B	Z	3.357	5
90	MP4B	Mx	-.001	5
91	MP1C	X	0	1
92	MP1C	Z	9.148	1
93	MP1C	Mx	-.000168	1
94	MP1C	X	0	5
95	MP1C	Z	9.148	5
96	MP1C	Mx	-.000168	5
97	MP1C	X	0	1
98	MP1C	Z	9.148	1
99	MP1C	Mx	-.008	1
100	MP1C	X	0	5
101	MP1C	Z	9.148	5
102	MP1C	Mx	-.008	5
103	MP2B	X	0	1
104	MP2B	Z	7.979	1
105	MP2B	Mx	-.007	1
106	MP2B	X	0	5
107	MP2B	Z	7.979	5
108	MP2B	Mx	-.007	5
109	MP2B	X	0	1
110	MP2B	Z	7.979	1
111	MP2B	Mx	-.001	1
112	MP2B	X	0	5
113	MP2B	Z	7.979	5
114	MP2B	Mx	-.001	5
115	MP6A	X	0	2
116	MP6A	Z	8.521	2
117	MP6A	Mx	.006	2
118	MP6A	X	0	6
119	MP6A	Z	8.521	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
120	MP6A	Mx	.006	6
121	MP6A	X	0	2
122	MP6A	Z	8.521	2
123	MP6A	Mx	6.9e-5	2
124	MP6A	X	0	6
125	MP6A	Z	8.521	6
126	MP6A	Mx	6.9e-5	6
127	MP6C	X	0	2
128	MP6C	Z	9.157	2
129	MP6C	Mx	-.001	2
130	MP6C	X	0	6
131	MP6C	Z	9.157	6
132	MP6C	Mx	-.001	6
133	MP6C	X	0	2
134	MP6C	Z	9.157	2
135	MP6C	Mx	.007	2
136	MP6C	X	0	6
137	MP6C	Z	9.157	6
138	MP6C	Mx	.007	6
139	MP6B	X	0	1.5
140	MP6B	Z	2.874	1.5
141	MP6B	Mx	.00083	1.5
142	MPB	X	0	1.5
143	MPB	Z	3.291	1.5
144	MPB	Mx	.00095	1.5
145	MP6A	X	0	5
146	MP6A	Z	.867	5
147	MP6A	Mx	0	5
148	MP6C	X	0	5
149	MP6C	Z	.666	5
150	MP6C	Mx	-.000192	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-1.078	1
2	MP1A	Z	1.866	1
3	MP1A	Mx	.001	1
4	MP1A	X	-1.078	3
5	MP1A	Z	1.866	3
6	MP1A	Mx	.001	3
7	MP1B	X	-2.334	1
8	MP1B	Z	4.042	1
9	MP1B	Mx	-.001	1
10	MP1B	X	-2.334	3
11	MP1B	Z	4.042	3
12	MP1B	Mx	-.001	3
13	MP4C	X	-2.702	1
14	MP4C	Z	4.68	1
15	MP4C	Mx	.000469	1
16	MP4C	X	-2.702	3
17	MP4C	Z	4.68	3
18	MP4C	Mx	.000469	3
19	MP5B	X	-1.128	1
20	MP5B	Z	1.954	1
21	MP5B	Mx	-.001	1
22	MP5B	X	-1.128	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP5B	Z	1.954	3
24	MP5B	Mx	-.001	3
25	MP1A	X	-.23	4.5
26	MP1A	Z	.398	4.5
27	MP1A	Mx	.000226	4.5
28	MP1B	X	-.944	4.5
29	MP1B	Z	1.636	4.5
30	MP1B	Mx	-.000323	4.5
31	MP4C	X	-1.017	4.5
32	MP4C	Z	1.762	4.5
33	MP4C	Mx	.000177	4.5
34	MP5B	X	-.23	4.5
35	MP5B	Z	.398	4.5
36	MP5B	Mx	-.000226	4.5
37	MP1C	X	-.3	3
38	MP1C	Z	.519	3
39	MP1C	Mx	.0003	3
40	MP2B	X	-.3	3
41	MP2B	Z	.519	3
42	MP2B	Mx	.0003	3
43	MP2A	X	-2.009	1
44	MP2A	Z	3.479	1
45	MP2A	Mx	-.001	1
46	MP2C	X	-2.168	1
47	MP2C	Z	3.756	1
48	MP2C	Mx	-.000377	1
49	MP3B	X	-1.464	1
50	MP3B	Z	2.536	1
51	MP3B	Mx	.001	1
52	MP4A	X	-2.009	1
53	MP4A	Z	3.479	1
54	MP4A	Mx	-.001	1
55	MP4C	X	-2.168	1
56	MP4C	Z	3.756	1
57	MP4C	Mx	-.000377	1
58	MP2B	X	-1.216	1
59	MP2B	Z	2.107	1
60	MP2B	Mx	.001	1
61	MP3A	X	-1.939	1
62	MP3A	Z	3.359	1
63	MP3A	Mx	-.00097	1
64	MP3C	X	-2.16	1
65	MP3C	Z	3.741	1
66	MP3C	Mx	-.000375	1
67	MP5A	X	-1.939	1
68	MP5A	Z	3.359	1
69	MP5A	Mx	-.00097	1
70	MP5C	X	-2.16	1
71	MP5C	Z	3.741	1
72	MP5C	Mx	-.000375	1
73	MP2C	X	-2.764	2
74	MP2C	Z	4.788	2
75	MP2C	Mx	0	2
76	MP2C	X	-2.764	5
77	MP2C	Z	4.788	5
78	MP2C	Mx	0	5
79	MP4A	X	-1.317	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	2.28	2
81	MP4A	Mx	.001	2
82	MP4A	X	-1.317	5
83	MP4A	Z	2.28	5
84	MP4A	Mx	.001	5
85	MP4B	X	-1.317	2
86	MP4B	Z	2.28	2
87	MP4B	Mx	-.001	2
88	MP4B	X	-1.317	5
89	MP4B	Z	2.28	5
90	MP4B	Mx	-.001	5
91	MP1C	X	-3.202	1
92	MP1C	Z	5.546	1
93	MP1C	Mx	-.003	1
94	MP1C	X	-3.202	5
95	MP1C	Z	5.546	5
96	MP1C	Mx	-.003	5
97	MP1C	X	-3.202	1
98	MP1C	Z	5.546	1
99	MP1C	Mx	-.004	1
100	MP1C	X	-3.202	5
101	MP1C	Z	5.546	5
102	MP1C	Mx	-.004	5
103	MP2B	X	-5.781	1
104	MP2B	Z	10.012	1
105	MP2B	Mx	-.01	1
106	MP2B	X	-5.781	5
107	MP2B	Z	10.012	5
108	MP2B	Mx	-.01	5
109	MP2B	X	-5.781	1
110	MP2B	Z	10.012	1
111	MP2B	Mx	.003	1
112	MP2B	X	-5.781	5
113	MP2B	Z	10.012	5
114	MP2B	Mx	.003	5
115	MP6A	X	-3.559	2
116	MP6A	Z	6.165	2
117	MP6A	Mx	.004	2
118	MP6A	X	-3.559	6
119	MP6A	Z	6.165	6
120	MP6A	Mx	.004	6
121	MP6A	X	-3.559	2
122	MP6A	Z	6.165	2
123	MP6A	Mx	.003	2
124	MP6A	X	-3.559	6
125	MP6A	Z	6.165	6
126	MP6A	Mx	.003	6
127	MP6C	X	-5.28	2
128	MP6C	Z	9.145	2
129	MP6C	Mx	-.005	2
130	MP6C	X	-5.28	6
131	MP6C	Z	9.145	6
132	MP6C	Mx	-.005	6
133	MP6C	X	-5.28	2
134	MP6C	Z	9.145	2
135	MP6C	Mx	.007	2
136	MP6C	X	-5.28	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
137	MP6C	Z	9.145	6
138	MP6C	Mx	.007	6
139	MP6B	X	-1.186	1.5
140	MP6B	Z	2.054	1.5
141	MP6B	Mx	.000791	1.5
142	MPB	X	-1.464	1.5
143	MPB	Z	2.536	1.5
144	MPB	Mx	.000976	1.5
145	MP6A	X	-.4	5
146	MP6A	Z	.693	5
147	MP6A	Mx	-.000133	5
148	MP6C	X	-.4	5
149	MP6C	Z	.693	5
150	MP6C	Mx	-.000133	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.592	1
2	MP1A	Z	1.496	1
3	MP1A	Mx	.001	1
4	MP1A	X	-2.592	3
5	MP1A	Z	1.496	3
6	MP1A	Mx	.001	3
7	MP1B	X	-4.767	1
8	MP1B	Z	2.752	1
9	MP1B	Mx	0	1
10	MP1B	X	-4.767	3
11	MP1B	Z	2.752	3
12	MP1B	Mx	0	3
13	MP4C	X	-4.428	1
14	MP4C	Z	2.557	1
15	MP4C	Mx	-.000874	1
16	MP4C	X	-4.428	3
17	MP4C	Z	2.557	3
18	MP4C	Mx	-.000874	3
19	MP5B	X	-2.206	1
20	MP5B	Z	1.274	1
21	MP5B	Mx	-.001	1
22	MP5B	X	-2.206	3
23	MP5B	Z	1.274	3
24	MP5B	Mx	-.001	3
25	MP1A	X	-.524	4.5
26	MP1A	Z	.302	4.5
27	MP1A	Mx	.000284	4.5
28	MP1B	X	-1.762	4.5
29	MP1B	Z	1.017	4.5
30	MP1B	Mx	.000177	4.5
31	MP4C	X	-1.636	4.5
32	MP4C	Z	.944	4.5
33	MP4C	Mx	-.000323	4.5
34	MP5B	X	-.524	4.5
35	MP5B	Z	.302	4.5
36	MP5B	Mx	-.000284	4.5
37	MP1C	X	-.577	3
38	MP1C	Z	.333	3
39	MP1C	Mx	.000288	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
40	MP2B	X	-.577	3
41	MP2B	Z	.333	3
42	MP2B	Mx	.000288	3
43	MP2A	X	-2.85	1
44	MP2A	Z	1.646	1
45	MP2A	Mx	-.001	1
46	MP2C	X	-3.647	1
47	MP2C	Z	2.105	1
48	MP2C	Mx	.00072	1
49	MP3B	X	-2.85	1
50	MP3B	Z	1.646	1
51	MP3B	Mx	.001	1
52	MP4A	X	-2.85	1
53	MP4A	Z	1.646	1
54	MP4A	Mx	-.001	1
55	MP4C	X	-3.647	1
56	MP4C	Z	2.105	1
57	MP4C	Mx	.00072	1
58	MP2B	X	-2.258	1
59	MP2B	Z	1.303	1
60	MP2B	Mx	.001	1
61	MP3A	X	-2.489	1
62	MP3A	Z	1.437	1
63	MP3A	Mx	-.001	1
64	MP3C	X	-3.59	1
65	MP3C	Z	2.073	1
66	MP3C	Mx	.000709	1
67	MP5A	X	-2.489	1
68	MP5A	Z	1.437	1
69	MP5A	Mx	-.001	1
70	MP5C	X	-3.59	1
71	MP5C	Z	2.073	1
72	MP5C	Mx	.000709	1
73	MP2C	X	-4.161	2
74	MP2C	Z	2.402	2
75	MP2C	Mx	-.001	2
76	MP2C	X	-4.161	5
77	MP2C	Z	2.402	5
78	MP2C	Mx	-.001	5
79	MP4A	X	-2.907	2
80	MP4A	Z	1.679	2
81	MP4A	Mx	.001	2
82	MP4A	X	-2.907	5
83	MP4A	Z	1.679	5
84	MP4A	Mx	.001	5
85	MP4B	X	-2.907	2
86	MP4B	Z	1.679	2
87	MP4B	Mx	-.001	2
88	MP4B	X	-2.907	5
89	MP4B	Z	1.679	5
90	MP4B	Mx	-.001	5
91	MP1C	X	-6.085	1
92	MP1C	Z	3.513	1
93	MP1C	Mx	-.005	1
94	MP1C	X	-6.085	5
95	MP1C	Z	3.513	5
96	MP1C	Mx	-.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
97	MP1C	X	-6.085	1
98	MP1C	Z	3.513	1
99	MP1C	Mx	-.002	1
100	MP1C	X	-6.085	5
101	MP1C	Z	3.513	5
102	MP1C	Mx	-.002	5
103	MP2B	X	-11.564	1
104	MP2B	Z	6.676	1
105	MP2B	Mx	-.009	1
106	MP2B	X	-11.564	5
107	MP2B	Z	6.676	5
108	MP2B	Mx	-.009	5
109	MP2B	X	-11.564	1
110	MP2B	Z	6.676	1
111	MP2B	Mx	.009	1
112	MP2B	X	-11.564	5
113	MP2B	Z	6.676	5
114	MP2B	Mx	.009	5
115	MP6A	X	-6.44	2
116	MP6A	Z	3.718	2
117	MP6A	Mx	.002	2
118	MP6A	X	-6.44	6
119	MP6A	Z	3.718	6
120	MP6A	Mx	.002	6
121	MP6A	X	-6.44	2
122	MP6A	Z	3.718	2
123	MP6A	Mx	.005	2
124	MP6A	X	-6.44	6
125	MP6A	Z	3.718	6
126	MP6A	Mx	.005	6
127	MP6C	X	-8.87	2
128	MP6C	Z	5.121	2
129	MP6C	Mx	-.007	2
130	MP6C	X	-8.87	6
131	MP6C	Z	5.121	6
132	MP6C	Mx	-.007	6
133	MP6C	X	-8.87	2
134	MP6C	Z	5.121	2
135	MP6C	Mx	.004	2
136	MP6C	X	-8.87	6
137	MP6C	Z	5.121	6
138	MP6C	Mx	.004	6
139	MP6B	X	-2.489	1.5
140	MP6B	Z	1.437	1.5
141	MP6B	Mx	.00083	1.5
142	MPB	X	-2.85	1.5
143	MPB	Z	1.646	1.5
144	MPB	Mx	.00095	1.5
145	MP6A	X	-.577	5
146	MP6A	Z	.333	5
147	MP6A	Mx	-.000192	5
148	MP6C	X	-.751	5
149	MP6C	Z	.433	5
150	MP6C	Mx	0	5

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.668	1
2	MP1A	Z	0	1
3	MP1A	Mx	.001	1
4	MP1A	X	-4.668	3
5	MP1A	Z	0	3
6	MP1A	Mx	.001	3
7	MP1B	X	-4.668	1
8	MP1B	Z	0	1
9	MP1B	Mx	.001	1
10	MP1B	X	-4.668	3
11	MP1B	Z	0	3
12	MP1B	Mx	.001	3
13	MP4C	X	-3.539	1
14	MP4C	Z	0	1
15	MP4C	Mx	-.001	1
16	MP4C	X	-3.539	3
17	MP4C	Z	0	3
18	MP4C	Mx	-.001	3
19	MP5B	X	-4.121	1
20	MP5B	Z	0	1
21	MP5B	Mx	-.001	1
22	MP5B	X	-4.121	3
23	MP5B	Z	0	3
24	MP5B	Mx	-.001	3
25	MP1A	X	-1.392	4.5
26	MP1A	Z	0	4.5
27	MP1A	Mx	.000447	4.5
28	MP1B	X	-1.392	4.5
29	MP1B	Z	0	4.5
30	MP1B	Mx	.000447	4.5
31	MP4C	X	-1.101	4.5
32	MP4C	Z	0	4.5
33	MP4C	Mx	-.000422	4.5
34	MP5B	X	-1.392	4.5
35	MP5B	Z	0	4.5
36	MP5B	Mx	-.000447	4.5
37	MP1C	X	-.8	3
38	MP1C	Z	0	3
39	MP1C	Mx	.0002	3
40	MP2B	X	-.8	3
41	MP2B	Z	0	3
42	MP2B	Mx	.0002	3
43	MP2A	X	-2.928	1
44	MP2A	Z	0	1
45	MP2A	Mx	-.001	1
46	MP2C	X	-3.528	1
47	MP2C	Z	0	1
48	MP2C	Mx	.001	1
49	MP3B	X	-4.017	1
50	MP3B	Z	0	1
51	MP3B	Mx	.001	1
52	MP4A	X	-2.928	1
53	MP4A	Z	0	1
54	MP4A	Mx	-.001	1
55	MP4C	X	-3.528	1
56	MP4C	Z	0	1
57	MP4C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2B	X	-3.551	1
59	MP2B	Z	0	1
60	MP2B	Mx	.001	1
61	MP3A	X	-2.372	1
62	MP3A	Z	0	1
63	MP3A	Mx	-.001	1
64	MP3C	X	-3.202	1
65	MP3C	Z	0	1
66	MP3C	Mx	.001	1
67	MP5A	X	-2.372	1
68	MP5A	Z	0	1
69	MP5A	Mx	-.001	1
70	MP5C	X	-3.202	1
71	MP5C	Z	0	1
72	MP5C	Mx	.001	1
73	MP2C	X	-3.357	2
74	MP2C	Z	0	2
75	MP2C	Mx	-.001	2
76	MP2C	X	-3.357	5
77	MP2C	Z	0	5
78	MP2C	Mx	-.001	5
79	MP4A	X	-4.805	2
80	MP4A	Z	0	2
81	MP4A	Mx	.001	2
82	MP4A	X	-4.805	5
83	MP4A	Z	0	5
84	MP4A	Mx	.001	5
85	MP4B	X	-4.805	2
86	MP4B	Z	0	2
87	MP4B	Mx	-.001	2
88	MP4B	X	-4.805	5
89	MP4B	Z	0	5
90	MP4B	Mx	-.001	5
91	MP1C	X	-10.392	1
92	MP1C	Z	0	1
93	MP1C	Mx	-.009	1
94	MP1C	X	-10.392	5
95	MP1C	Z	0	5
96	MP1C	Mx	-.009	5
97	MP1C	X	-10.392	1
98	MP1C	Z	0	1
99	MP1C	Mx	.001	1
100	MP1C	X	-10.392	5
101	MP1C	Z	0	5
102	MP1C	Mx	.001	5
103	MP2B	X	-11.561	1
104	MP2B	Z	0	1
105	MP2B	Mx	-.003	1
106	MP2B	X	-11.561	5
107	MP2B	Z	0	5
108	MP2B	Mx	-.003	5
109	MP2B	X	-11.561	1
110	MP2B	Z	0	1
111	MP2B	Mx	.01	1
112	MP2B	X	-11.561	5
113	MP2B	Z	0	5
114	MP2B	Mx	.01	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP6A	X	-9.157	2
116	MP6A	Z	0	2
117	MP6A	Mx	-.001	2
118	MP6A	X	-9.157	6
119	MP6A	Z	0	6
120	MP6A	Mx	-.001	6
121	MP6A	X	-9.157	2
122	MP6A	Z	0	2
123	MP6A	Mx	.007	2
124	MP6A	X	-9.157	6
125	MP6A	Z	0	6
126	MP6A	Mx	.007	6
127	MP6C	X	-8.521	2
128	MP6C	Z	0	2
129	MP6C	Mx	-.006	2
130	MP6C	X	-8.521	6
131	MP6C	Z	0	6
132	MP6C	Mx	-.006	6
133	MP6C	X	-8.521	2
134	MP6C	Z	0	2
135	MP6C	Mx	-6.9e-5	2
136	MP6C	X	-8.521	6
137	MP6C	Z	0	6
138	MP6C	Mx	-6.9e-5	6
139	MP6B	X	-3.878	1.5
140	MP6B	Z	0	1.5
141	MP6B	Mx	.000646	1.5
142	MPB	X	-4.017	1.5
143	MPB	Z	0	1.5
144	MPB	Mx	.00067	1.5
145	MP6A	X	-.6	5
146	MP6A	Z	0	5
147	MP6A	Mx	-.0002	5
148	MP6C	X	-.8	5
149	MP6C	Z	0	5
150	MP6C	Mx	.000133	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-4.767	1
2	MP1A	Z	-2.752	1
3	MP1A	Mx	0	1
4	MP1A	X	-4.767	3
5	MP1A	Z	-2.752	3
6	MP1A	Mx	0	3
7	MP1B	X	-2.592	1
8	MP1B	Z	-1.496	1
9	MP1B	Mx	.001	1
10	MP1B	X	-2.592	3
11	MP1B	Z	-1.496	3
12	MP1B	Mx	.001	3
13	MP4C	X	-1.954	1
14	MP4C	Z	-1.128	1
15	MP4C	Mx	-.001	1
16	MP4C	X	-1.954	3
17	MP4C	Z	-1.128	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP4C	Mx	-.001	3
19	MP5B	X	-4.68	1
20	MP5B	Z	-2.702	1
21	MP5B	Mx	-.000469	1
22	MP5B	X	-4.68	3
23	MP5B	Z	-2.702	3
24	MP5B	Mx	-.000469	3
25	MP1A	X	-1.762	4.5
26	MP1A	Z	-1.017	4.5
27	MP1A	Mx	.000177	4.5
28	MP1B	X	-.524	4.5
29	MP1B	Z	-.302	4.5
30	MP1B	Mx	.000284	4.5
31	MP4C	X	-.398	4.5
32	MP4C	Z	-.23	4.5
33	MP4C	Mx	-.000226	4.5
34	MP5B	X	-1.762	4.5
35	MP5B	Z	-1.017	4.5
36	MP5B	Mx	-.000177	4.5
37	MP1C	X	-.751	3
38	MP1C	Z	-.433	3
39	MP1C	Mx	0	3
40	MP2B	X	-.751	3
41	MP2B	Z	-.433	3
42	MP2B	Mx	0	3
43	MP2A	X	-2.85	1
44	MP2A	Z	-1.646	1
45	MP2A	Mx	-.001	1
46	MP2C	X	-2.574	1
47	MP2C	Z	-1.486	1
48	MP2C	Mx	.001	1
49	MP3B	X	-3.794	1
50	MP3B	Z	-2.19	1
51	MP3B	Mx	0	1
52	MP4A	X	-2.85	1
53	MP4A	Z	-1.646	1
54	MP4A	Mx	-.001	1
55	MP4C	X	-2.574	1
56	MP4C	Z	-1.486	1
57	MP4C	Mx	.001	1
58	MP2B	X	-3.741	1
59	MP2B	Z	-2.16	1
60	MP2B	Mx	.000375	1
61	MP3A	X	-2.489	1
62	MP3A	Z	-1.437	1
63	MP3A	Mx	-.001	1
64	MP3C	X	-2.107	1
65	MP3C	Z	-1.216	1
66	MP3C	Mx	.001	1
67	MP5A	X	-2.489	1
68	MP5A	Z	-1.437	1
69	MP5A	Mx	-.001	1
70	MP5C	X	-2.107	1
71	MP5C	Z	-1.216	1
72	MP5C	Mx	.001	1
73	MP2C	X	-2.28	2
74	MP2C	Z	-1.317	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP2C	Mx	-.001	2
76	MP2C	X	-2.28	5
77	MP2C	Z	-1.317	5
78	MP2C	Mx	-.001	5
79	MP4A	X	-4.788	2
80	MP4A	Z	-2.764	2
81	MP4A	Mx	0	2
82	MP4A	X	-4.788	5
83	MP4A	Z	-2.764	5
84	MP4A	Mx	0	5
85	MP4B	X	-4.788	2
86	MP4B	Z	-2.764	2
87	MP4B	Mx	0	2
88	MP4B	X	-4.788	5
89	MP4B	Z	-2.764	5
90	MP4B	Mx	0	5
91	MP1C	X	-11.377	1
92	MP1C	Z	-6.568	1
93	MP1C	Mx	-.01	1
94	MP1C	X	-11.377	5
95	MP1C	Z	-6.568	5
96	MP1C	Mx	-.01	5
97	MP1C	X	-11.377	1
98	MP1C	Z	-6.568	1
99	MP1C	Mx	.007	1
100	MP1C	X	-11.377	5
101	MP1C	Z	-6.568	5
102	MP1C	Mx	.007	5
103	MP2B	X	-6.91	1
104	MP2B	Z	-3.99	1
105	MP2B	Mx	.001	1
106	MP2B	X	-6.91	5
107	MP2B	Z	-3.99	5
108	MP2B	Mx	.001	5
109	MP2B	X	-6.91	1
110	MP2B	Z	-3.99	1
111	MP2B	Mx	.007	1
112	MP2B	X	-6.91	5
113	MP2B	Z	-3.99	5
114	MP2B	Mx	.007	5
115	MP6A	X	-9.145	2
116	MP6A	Z	-5.28	2
117	MP6A	Mx	-.005	2
118	MP6A	X	-9.145	6
119	MP6A	Z	-5.28	6
120	MP6A	Mx	-.005	6
121	MP6A	X	-9.145	2
122	MP6A	Z	-5.28	2
123	MP6A	Mx	.007	2
124	MP6A	X	-9.145	6
125	MP6A	Z	-5.28	6
126	MP6A	Mx	.007	6
127	MP6C	X	-6.165	2
128	MP6C	Z	-3.559	2
129	MP6C	Mx	-.004	2
130	MP6C	X	-6.165	6
131	MP6C	Z	-3.559	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
132	MP6C	Mx	-.004	6
133	MP6C	X	-6.165	2
134	MP6C	Z	-3.559	2
135	MP6C	Mx	-.003	2
136	MP6C	X	-6.165	6
137	MP6C	Z	-3.559	6
138	MP6C	Mx	-.003	6
139	MP6B	X	-3.794	1.5
140	MP6B	Z	-2.19	1.5
141	MP6B	Mx	0	1.5
142	MPB	X	-3.794	1.5
143	MPB	Z	-2.19	1.5
144	MPB	Mx	0	1.5
145	MP6A	X	-.577	5
146	MP6A	Z	-.333	5
147	MP6A	Mx	-.000192	5
148	MP6C	X	-.577	5
149	MP6C	Z	-.333	5
150	MP6C	Mx	.000192	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.334	1
2	MP1A	Z	-4.042	1
3	MP1A	Mx	-.001	1
4	MP1A	X	-2.334	3
5	MP1A	Z	-4.042	3
6	MP1A	Mx	-.001	3
7	MP1B	X	-1.078	1
8	MP1B	Z	-1.866	1
9	MP1B	Mx	.001	1
10	MP1B	X	-1.078	3
11	MP1B	Z	-1.866	3
12	MP1B	Mx	.001	3
13	MP4C	X	-1.274	1
14	MP4C	Z	-2.206	1
15	MP4C	Mx	-.001	1
16	MP4C	X	-1.274	3
17	MP4C	Z	-2.206	3
18	MP4C	Mx	-.001	3
19	MP5B	X	-2.557	1
20	MP5B	Z	-4.428	1
21	MP5B	Mx	.000874	1
22	MP5B	X	-2.557	3
23	MP5B	Z	-4.428	3
24	MP5B	Mx	.000874	3
25	MP1A	X	-.944	4.5
26	MP1A	Z	-1.636	4.5
27	MP1A	Mx	-.000323	4.5
28	MP1B	X	-.23	4.5
29	MP1B	Z	-.398	4.5
30	MP1B	Mx	.000226	4.5
31	MP4C	X	-.302	4.5
32	MP4C	Z	-.524	4.5
33	MP4C	Mx	-.000284	4.5
34	MP5B	X	-.944	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP5B	Z	-1.636	4.5
36	MP5B	Mx	.000323	4.5
37	MP1C	X	-.4	3
38	MP1C	Z	-.693	3
39	MP1C	Mx	-.0002	3
40	MP2B	X	-.4	3
41	MP2B	Z	-.693	3
42	MP2B	Mx	-.0002	3
43	MP2A	X	-2.009	1
44	MP2A	Z	-3.479	1
45	MP2A	Mx	-.001	1
46	MP2C	X	-1.549	1
47	MP2C	Z	-2.683	1
48	MP2C	Mx	.001	1
49	MP3B	X	-2.009	1
50	MP3B	Z	-3.479	1
51	MP3B	Mx	-.001	1
52	MP4A	X	-2.009	1
53	MP4A	Z	-3.479	1
54	MP4A	Mx	-.001	1
55	MP4C	X	-1.549	1
56	MP4C	Z	-2.683	1
57	MP4C	Mx	.001	1
58	MP2B	X	-2.073	1
59	MP2B	Z	-3.59	1
60	MP2B	Mx	-.000709	1
61	MP3A	X	-1.939	1
62	MP3A	Z	-3.359	1
63	MP3A	Mx	-.00097	1
64	MP3C	X	-1.303	1
65	MP3C	Z	-2.258	1
66	MP3C	Mx	.001	1
67	MP5A	X	-1.939	1
68	MP5A	Z	-3.359	1
69	MP5A	Mx	-.00097	1
70	MP5C	X	-1.303	1
71	MP5C	Z	-2.258	1
72	MP5C	Mx	.001	1
73	MP2C	X	-1.679	2
74	MP2C	Z	-2.907	2
75	MP2C	Mx	-.001	2
76	MP2C	X	-1.679	5
77	MP2C	Z	-2.907	5
78	MP2C	Mx	-.001	5
79	MP4A	X	-2.402	2
80	MP4A	Z	-4.161	2
81	MP4A	Mx	-.001	2
82	MP4A	X	-2.402	5
83	MP4A	Z	-4.161	5
84	MP4A	Mx	-.001	5
85	MP4B	X	-2.402	2
86	MP4B	Z	-4.161	2
87	MP4B	Mx	.001	2
88	MP4B	X	-2.402	5
89	MP4B	Z	-4.161	5
90	MP4B	Mx	.001	5
91	MP1C	X	-6.257	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	MP1C	Z	-10.838	1
93	MP1C	Mx	-.005	1
94	MP1C	X	-6.257	5
95	MP1C	Z	-10.838	5
96	MP1C	Mx	-.005	5
97	MP1C	X	-6.257	1
98	MP1C	Z	-10.838	1
99	MP1C	Mx	.01	1
100	MP1C	X	-6.257	5
101	MP1C	Z	-10.838	5
102	MP1C	Mx	.01	5
103	MP2B	X	-3.094	1
104	MP2B	Z	-5.359	1
105	MP2B	Mx	.004	1
106	MP2B	X	-3.094	5
107	MP2B	Z	-5.359	5
108	MP2B	Mx	.004	5
109	MP2B	X	-3.094	1
110	MP2B	Z	-5.359	1
111	MP2B	Mx	.004	1
112	MP2B	X	-3.094	5
113	MP2B	Z	-5.359	5
114	MP2B	Mx	.004	5
115	MP6A	X	-5.121	2
116	MP6A	Z	-8.87	2
117	MP6A	Mx	-.007	2
118	MP6A	X	-5.121	6
119	MP6A	Z	-8.87	6
120	MP6A	Mx	-.007	6
121	MP6A	X	-5.121	2
122	MP6A	Z	-8.87	2
123	MP6A	Mx	.004	2
124	MP6A	X	-5.121	6
125	MP6A	Z	-8.87	6
126	MP6A	Mx	.004	6
127	MP6C	X	-3.718	2
128	MP6C	Z	-6.44	2
129	MP6C	Mx	-.002	2
130	MP6C	X	-3.718	6
131	MP6C	Z	-6.44	6
132	MP6C	Mx	-.002	6
133	MP6C	X	-3.718	2
134	MP6C	Z	-6.44	2
135	MP6C	Mx	-.005	2
136	MP6C	X	-3.718	6
137	MP6C	Z	-6.44	6
138	MP6C	Mx	-.005	6
139	MP6B	X	-1.939	1.5
140	MP6B	Z	-3.359	1.5
141	MP6B	Mx	-.000646	1.5
142	MPB	X	-2.009	1.5
143	MPB	Z	-3.479	1.5
144	MPB	Mx	-.000669	1.5
145	MP6A	X	-.4	5
146	MP6A	Z	-.693	5
147	MP6A	Mx	-.000133	5
148	MP6C	X	-.3	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
149	MP6C	Z	-.519	5
150	MP6C	Mx	.0002	5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%66

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%50

Member Point Loads (BLC 79 : Lv1)

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

Member Point Loads (BLC 80 : Lv2)

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

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-1.719	1
2	MP1A	My	-.00043	1
3	MP1A	Mz	.000744	1
4	MP1A	Y	-1.719	3
5	MP1A	My	-.00043	3
6	MP1A	Mz	.000744	3
7	MP1B	Y	-1.719	1
8	MP1B	My	-.00043	1
9	MP1B	Mz	-.000744	1
10	MP1B	Y	-1.719	3
11	MP1B	My	-.00043	3
12	MP1B	Mz	-.000744	3
13	MP4C	Y	-1.719	1
14	MP4C	My	.000658	1
15	MP4C	Mz	.000552	1
16	MP4C	Y	-1.719	3
17	MP4C	My	.000658	3
18	MP4C	Mz	.000552	3
19	MP5B	Y	-1.719	1
20	MP5B	My	.000552	1
21	MP5B	Mz	-.000658	1
22	MP5B	Y	-1.719	3
23	MP5B	My	.000552	3
24	MP5B	Mz	-.000658	3
25	MP1A	Y	-.174	4.5
26	MP1A	My	-5.6e-5	4.5
27	MP1A	Mz	6.7e-5	4.5
28	MP1B	Y	-.174	4.5
29	MP1B	My	-5.6e-5	4.5
30	MP1B	Mz	-6.7e-5	4.5
31	MP4C	Y	-.174	4.5
32	MP4C	My	6.7e-5	4.5
33	MP4C	Mz	5.6e-5	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP5B	Y	-.174	4.5
35	MP5B	My	5.6e-5	4.5
36	MP5B	Mz	-6.7e-5	4.5
37	MP1C	Y	-.41	3
38	MP1C	My	-.000103	3
39	MP1C	Mz	.000178	3
40	MP2B	Y	-.41	3
41	MP2B	My	-.000103	3
42	MP2B	Mz	.000178	3
43	MP2A	Y	-3.331	1
44	MP2A	My	.002	1
45	MP2A	Mz	0	1
46	MP2C	Y	-3.331	1
47	MP2C	My	-.001	1
48	MP2C	Mz	-.001	1
49	MP3B	Y	-3.331	1
50	MP3B	My	-.000833	1
51	MP3B	Mz	.001	1
52	MP4A	Y	-3.331	1
53	MP4A	My	.002	1
54	MP4A	Mz	0	1
55	MP4C	Y	-3.331	1
56	MP4C	My	-.001	1
57	MP4C	Mz	-.001	1
58	MP2B	Y	-2.775	1
59	MP2B	My	-.000892	1
60	MP2B	Mz	.001	1
61	MP3A	Y	-2.775	1
62	MP3A	My	.001	1
63	MP3A	Mz	0	1
64	MP3C	Y	-2.775	1
65	MP3C	My	-.001	1
66	MP3C	Mz	-.000892	1
67	MP5A	Y	-2.775	1
68	MP5A	My	.001	1
69	MP5A	Mz	0	1
70	MP5C	Y	-2.775	1
71	MP5C	My	-.001	1
72	MP5C	Mz	-.000892	1
73	MP2C	Y	-.195	2
74	MP2C	My	8.5e-5	2
75	MP2C	Mz	4.9e-5	2
76	MP2C	Y	-.195	5
77	MP2C	My	8.5e-5	5
78	MP2C	Mz	4.9e-5	5
79	MP4A	Y	-.195	2
80	MP4A	My	-4.9e-5	2
81	MP4A	Mz	8.5e-5	2
82	MP4A	Y	-.195	5
83	MP4A	My	-4.9e-5	5
84	MP4A	Mz	8.5e-5	5
85	MP4B	Y	-.195	2
86	MP4B	My	4.9e-5	2
87	MP4B	Mz	-8.5e-5	2
88	MP4B	Y	-.195	5
89	MP4B	My	4.9e-5	5
90	MP4B	Mz	-8.5e-5	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP1C	Y	-1.806	1
92	MP1C	My	.002	1
93	MP1C	Mz	-3.3e-5	1
94	MP1C	Y	-1.806	5
95	MP1C	My	.002	5
96	MP1C	Mz	-3.3e-5	5
97	MP1C	Y	-1.806	1
98	MP1C	My	-.000245	1
99	MP1C	Mz	-.002	1
100	MP1C	Y	-1.806	5
101	MP1C	My	-.000245	5
102	MP1C	Mz	-.002	5
103	MP2B	Y	-1.806	1
104	MP2B	My	.000516	1
105	MP2B	Mz	-.002	1
106	MP2B	Y	-1.806	5
107	MP2B	My	.000516	5
108	MP2B	Mz	-.002	5
109	MP2B	Y	-1.806	1
110	MP2B	My	-.002	1
111	MP2B	Mz	-.00031	1
112	MP2B	Y	-1.806	5
113	MP2B	My	-.002	5
114	MP2B	Mz	-.00031	5
115	MP6A	Y	-1.249	2
116	MP6A	My	.000157	2
117	MP6A	Mz	.000947	2
118	MP6A	Y	-1.249	6
119	MP6A	My	.000157	6
120	MP6A	Mz	.000947	6
121	MP6A	Y	-1.249	2
122	MP6A	My	-.00096	2
123	MP6A	Mz	1e-5	2
124	MP6A	Y	-1.249	6
125	MP6A	My	-.00096	6
126	MP6A	Mz	1e-5	6
127	MP6C	Y	-1.249	2
128	MP6C	My	.000947	2
129	MP6C	Mz	-.000157	2
130	MP6C	Y	-1.249	6
131	MP6C	My	.000947	6
132	MP6C	Mz	-.000157	6
133	MP6C	Y	-1.249	2
134	MP6C	My	1e-5	2
135	MP6C	Mz	.00096	2
136	MP6C	Y	-1.249	6
137	MP6C	My	1e-5	6
138	MP6C	Mz	.00096	6
139	MP6B	Y	-2.775	1.5
140	MP6B	My	-.000462	1.5
141	MP6B	Mz	.000801	1.5
142	MPB	Y	-3.331	1.5
143	MPB	My	-.000555	1.5
144	MPB	Mz	.000962	1.5
145	MP6A	Y	-.41	5
146	MP6A	My	.000137	5
147	MP6A	Mz	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
148	MP6C	Y	-41	5
149	MP6C	My	-6.8e-5	5
150	MP6C	Mz	-.000118	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-4.297	1
2	MP1A	Mx	-.002	1
3	MP1A	Z	-4.297	3
4	MP1A	Mx	-.002	3
5	MP1B	Z	-4.297	1
6	MP1B	Mx	.002	1
7	MP1B	Z	-4.297	3
8	MP1B	Mx	.002	3
9	MP4C	Z	-4.297	1
10	MP4C	Mx	-.001	1
11	MP4C	Z	-4.297	3
12	MP4C	Mx	-.001	3
13	MP5B	Z	-4.297	1
14	MP5B	Mx	.002	1
15	MP5B	Z	-4.297	3
16	MP5B	Mx	.002	3
17	MP1A	Z	-.434	4.5
18	MP1A	Mx	-.000166	4.5
19	MP1B	Z	-.434	4.5
20	MP1B	Mx	.000166	4.5
21	MP4C	Z	-.434	4.5
22	MP4C	Mx	-.00014	4.5
23	MP5B	Z	-.434	4.5
24	MP5B	Mx	.000166	4.5
25	MP1C	Z	-1.026	3
26	MP1C	Mx	-.000444	3
27	MP2B	Z	-1.026	3
28	MP2B	Mx	-.000444	3
29	MP2A	Z	-8.327	1
30	MP2A	Mx	0	1
31	MP2C	Z	-8.327	1
32	MP2C	Mx	.003	1
33	MP3B	Z	-8.327	1
34	MP3B	Mx	-.004	1
35	MP4A	Z	-8.327	1
36	MP4A	Mx	0	1
37	MP4C	Z	-8.327	1
38	MP4C	Mx	.003	1
39	MP2B	Z	-6.936	1
40	MP2B	Mx	-.003	1
41	MP3A	Z	-6.936	1
42	MP3A	Mx	0	1
43	MP3C	Z	-6.936	1
44	MP3C	Mx	.002	1
45	MP5A	Z	-6.936	1
46	MP5A	Mx	0	1
47	MP5C	Z	-6.936	1
48	MP5C	Mx	.002	1
49	MP2C	Z	-.488	2
50	MP2C	Mx	-.000122	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP2C	Z	-.488	5
52	MP2C	Mx	-.000122	5
53	MP4A	Z	-.488	2
54	MP4A	Mx	-.000211	2
55	MP4A	Z	-.488	5
56	MP4A	Mx	-.000211	5
57	MP4B	Z	-.488	2
58	MP4B	Mx	.000211	2
59	MP4B	Z	-.488	5
60	MP4B	Mx	.000211	5
61	MP1C	Z	-4.514	1
62	MP1C	Mx	8.3e-5	1
63	MP1C	Z	-4.514	5
64	MP1C	Mx	8.3e-5	5
65	MP1C	Z	-4.514	1
66	MP1C	Mx	.004	1
67	MP1C	Z	-4.514	5
68	MP1C	Mx	.004	5
69	MP2B	Z	-4.514	1
70	MP2B	Mx	.004	1
71	MP2B	Z	-4.514	5
72	MP2B	Mx	.004	5
73	MP2B	Z	-4.514	1
74	MP2B	Mx	.000776	1
75	MP2B	Z	-4.514	5
76	MP2B	Mx	.000776	5
77	MP6A	Z	-3.123	2
78	MP6A	Mx	-.002	2
79	MP6A	Z	-3.123	6
80	MP6A	Mx	-.002	6
81	MP6A	Z	-3.123	2
82	MP6A	Mx	-2.5e-5	2
83	MP6A	Z	-3.123	6
84	MP6A	Mx	-2.5e-5	6
85	MP6C	Z	-3.123	2
86	MP6C	Mx	.000392	2
87	MP6C	Z	-3.123	6
88	MP6C	Mx	.000392	6
89	MP6C	Z	-3.123	2
90	MP6C	Mx	-.002	2
91	MP6C	Z	-3.123	6
92	MP6C	Mx	-.002	6
93	MP6B	Z	-6.936	1.5
94	MP6B	Mx	-.002	1.5
95	MPB	Z	-8.327	1.5
96	MPB	Mx	-.002	1.5
97	MP6A	Z	-1.026	5
98	MP6A	Mx	0	5
99	MP6C	Z	-1.026	5
100	MP6C	Mx	.000296	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	4.297	1
2	MP1A	Mx	-.001	1
3	MP1A	X	4.297	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	Mx	-.001	3
5	MP1B	X	4.297	1
6	MP1B	Mx	-.001	1
7	MP1B	X	4.297	3
8	MP1B	Mx	-.001	3
9	MP4C	X	4.297	1
10	MP4C	Mx	.002	1
11	MP4C	X	4.297	3
12	MP4C	Mx	.002	3
13	MP5B	X	4.297	1
14	MP5B	Mx	.001	1
15	MP5B	X	4.297	3
16	MP5B	Mx	.001	3
17	MP1A	X	.434	4.5
18	MP1A	Mx	-.00014	4.5
19	MP1B	X	.434	4.5
20	MP1B	Mx	-.00014	4.5
21	MP4C	X	.434	4.5
22	MP4C	Mx	.000166	4.5
23	MP5B	X	.434	4.5
24	MP5B	Mx	.00014	4.5
25	MP1C	X	1.026	3
26	MP1C	Mx	-.000257	3
27	MP2B	X	1.026	3
28	MP2B	Mx	-.000257	3
29	MP2A	X	8.327	1
30	MP2A	Mx	.004	1
31	MP2C	X	8.327	1
32	MP2C	Mx	-.003	1
33	MP3B	X	8.327	1
34	MP3B	Mx	-.002	1
35	MP4A	X	8.327	1
36	MP4A	Mx	.004	1
37	MP4C	X	8.327	1
38	MP4C	Mx	-.003	1
39	MP2B	X	6.936	1
40	MP2B	Mx	-.002	1
41	MP3A	X	6.936	1
42	MP3A	Mx	.003	1
43	MP3C	X	6.936	1
44	MP3C	Mx	-.003	1
45	MP5A	X	6.936	1
46	MP5A	Mx	.003	1
47	MP5C	X	6.936	1
48	MP5C	Mx	-.003	1
49	MP2C	X	.488	2
50	MP2C	Mx	.000211	2
51	MP2C	X	.488	5
52	MP2C	Mx	.000211	5
53	MP4A	X	.488	2
54	MP4A	Mx	-.000122	2
55	MP4A	X	.488	5
56	MP4A	Mx	-.000122	5
57	MP4B	X	.488	2
58	MP4B	Mx	.000122	2
59	MP4B	X	.488	5
60	MP4B	Mx	.000122	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP1C	X	4.514	1
62	MP1C	Mx	.004	1
63	MP1C	X	4.514	5
64	MP1C	Mx	.004	5
65	MP1C	X	4.514	1
66	MP1C	Mx	-.000613	1
67	MP1C	X	4.514	5
68	MP1C	Mx	-.000613	5
69	MP2B	X	4.514	1
70	MP2B	Mx	.001	1
71	MP2B	X	4.514	5
72	MP2B	Mx	.001	5
73	MP2B	X	4.514	1
74	MP2B	Mx	-.004	1
75	MP2B	X	4.514	5
76	MP2B	Mx	-.004	5
77	MP6A	X	3.123	2
78	MP6A	Mx	.000392	2
79	MP6A	X	3.123	6
80	MP6A	Mx	.000392	6
81	MP6A	X	3.123	2
82	MP6A	Mx	-.002	2
83	MP6A	X	3.123	6
84	MP6A	Mx	-.002	6
85	MP6C	X	3.123	2
86	MP6C	Mx	.002	2
87	MP6C	X	3.123	6
88	MP6C	Mx	.002	6
89	MP6C	X	3.123	2
90	MP6C	Mx	2.5e-5	2
91	MP6C	X	3.123	6
92	MP6C	Mx	2.5e-5	6
93	MP6B	X	6.936	1.5
94	MP6B	Mx	-.001	1.5
95	MPB	X	8.327	1.5
96	MPB	Mx	-.001	1.5
97	MP6A	X	1.026	5
98	MP6A	Mx	.000342	5
99	MP6C	X	1.026	5
100	MP6C	Mx	-.000171	5

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	-11.85	-11.85	0	%100
2	M2	Y	-11.85	-11.85	0	%100
3	M3	Y	-9.005	-9.005	0	%100
4	M4	Y	-9.005	-9.005	0	%100
5	M5	Y	-9.005	-9.005	0	%100
6	M6	Y	-17.29	-17.29	0	%100
7	M7	Y	-17.29	-17.29	0	%100
8	M8	Y	-17.29	-17.29	0	%100
9	M9	Y	-17.29	-17.29	0	%100
10	M10	Y	-13.273	-13.273	0	%100
11	M11	Y	-13.273	-13.273	0	%100
12	M12	Y	-9.005	-9.005	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, %]
13	M13	Y	-9.005	-9.005	0	%100
14	M14	Y	-9.005	-9.005	0	%100
15	M15	Y	-9.005	-9.005	0	%100
16	M16	Y	-9.005	-9.005	0	%100
17	M17	Y	-9.005	-9.005	0	%100
18	M18	Y	-11.85	-11.85	0	%100
19	M19	Y	-11.85	-11.85	0	%100
20	M20	Y	-17.29	-17.29	0	%100
21	M21	Y	-17.29	-17.29	0	%100
22	M22	Y	-13.273	-13.273	0	%100
23	M23	Y	-13.273	-13.273	0	%100
24	M24	Y	-9.005	-9.005	0	%100
25	M25	Y	-9.005	-9.005	0	%100
26	M26	Y	-9.005	-9.005	0	%100
27	M27	Y	-9.005	-9.005	0	%100
28	M28	Y	-9.005	-9.005	0	%100
29	M29	Y	-11.85	-11.85	0	%100
30	M30	Y	-11.85	-11.85	0	%100
31	M31	Y	-13.273	-13.273	0	%100
32	M32	Y	-13.273	-13.273	0	%100
33	M33	Y	-9.005	-9.005	0	%100
34	M34	Y	-9.005	-9.005	0	%100
35	M35	Y	-9.005	-9.005	0	%100
36	M36	Y	-9.005	-9.005	0	%100
37	M37	Y	-11.85	-11.85	0	%100
38	M38	Y	-11.85	-11.85	0	%100
39	M39	Y	-11.85	-11.85	0	%100
40	M49	Y	-11.85	-11.85	0	%100
41	M50	Y	-11.85	-11.85	0	%100
42	M51	Y	-11.85	-11.85	0	%100
43	M61	Y	-9.005	-9.005	0	%100
44	M62	Y	-9.005	-9.005	0	%100
45	M63	Y	-9.005	-9.005	0	%100
46	M64	Y	-9.005	-9.005	0	%100
47	M65	Y	-9.005	-9.005	0	%100
48	M66	Y	-9.005	-9.005	0	%100
49	M67	Y	-9.005	-9.005	0	%100
50	M68	Y	-9.005	-9.005	0	%100
51	M69	Y	-9.005	-9.005	0	%100
52	M70	Y	-9.005	-9.005	0	%100
53	M71	Y	-9.005	-9.005	0	%100
54	M72	Y	-9.005	-9.005	0	%100
55	M73	Y	-9.005	-9.005	0	%100
56	M74	Y	-9.005	-9.005	0	%100
57	M75	Y	-9.005	-9.005	0	%100
58	MP1A	Y	-8.092	-8.092	0	%100
59	MP2A	Y	-8.092	-8.092	0	%100
60	MP4A	Y	-8.092	-8.092	0	%100
61	MP5A	Y	-8.092	-8.092	0	%100
62	MPA	Y	-8.092	-8.092	0	%100
63	MP6A	Y	-8.092	-8.092	0	%100
64	MP1C	Y	-8.092	-8.092	0	%100
65	MP1B	Y	-8.092	-8.092	0	%100
66	MPC	Y	-8.092	-8.092	0	%100
67	MP2C	Y	-8.092	-8.092	0	%100
68	MP5C	Y	-8.092	-8.092	0	%100
69	MP6C	Y	-8.092	-8.092	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, %]
70	MPB	Y	-8.092	-8.092	0	%100
71	MPB2	Y	-8.092	-8.092	0	%100
72	MP5B	Y	-8.092	-8.092	0	%100
73	MP4C	Y	-8.092	-8.092	0	%100
74	MP3C	Y	-8.092	-8.092	0	%100
75	M146	Y	-11.85	-11.85	0	%100
76	M147	Y	-11.85	-11.85	0	%100
77	M154	Y	-11.85	-11.85	0	%100
78	M155	Y	-11.85	-11.85	0	%100
79	M162	Y	-11.85	-11.85	0	%100
80	M163	Y	-11.85	-11.85	0	%100
81	MP3A	Y	-8.092	-8.092	0	%100
82	MP4B	Y	-8.092	-8.092	0	%100
83	MP6B	Y	-8.092	-8.092	0	%100
84	MP3B	Y	-8.092	-8.092	0	%100
85	M163A	Y	-8.092	-8.092	0	%100
86	M166	Y	-8.092	-8.092	0	%100
87	M169A	Y	-8.092	-8.092	0	%100
88	MP2B	Y	-8.092	-8.092	0	%100
89	M173A	Y	-8.092	-8.092	0	%100
90	M176	Y	-8.092	-8.092	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-18.429	-18.429	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-18.429	-18.429	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-10.648	-10.648	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-10.648	-10.648	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-10.672	-10.672	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-3.225	-3.225	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-3.225	-3.225	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-3.225	-3.225	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-3.225	-3.225	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-15.511	-15.511	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-15.511	-15.511	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-10.239	-10.239	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-10.239	-10.239	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-10.239	-10.239	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-10.088	-10.088	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-10.092	-10.092	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,%]
33	M17	X	0	0	0	%100
34	M17	Z	-10.239	-10.239	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-4.607	-4.607	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-4.607	-4.607	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-12.901	-12.901	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-12.901	-12.901	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-15.511	-15.511	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-15.511	-15.511	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-10.239	-10.239	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-10.239	-10.239	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-10.088	-10.088	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-10.092	-10.092	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-10.239	-10.239	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-4.607	-4.607	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-4.607	-4.607	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-10.239	-10.239	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	-10.239	-10.239	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	-5.602	-5.602	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	-5.572	-5.572	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	-4.134	-4.134	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	-16.535	-16.535	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	-4.134	-4.134	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	-4.134	-4.134	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	-16.535	-16.535	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	-4.134	-4.134	0	%100
85	M61	X	0	0	0	%100
86	M61	Z	-10.648	-10.648	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	-10.648	-10.648	0	%100
89	M63	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,%]
90	M63	Z	-10.672	-10.672	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	-8.879	-8.879	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	-8.88	-8.88	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-8.813	-8.813	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	-8.879	-8.879	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	-8.88	-8.88	0	%100
101	M69	X	0	0	0	%100
102	M69	Z	-8.813	-8.813	0	%100
103	M70	X	0	0	0	%100
104	M70	Z	-8.879	-8.879	0	%100
105	M71	X	0	0	0	%100
106	M71	Z	-8.88	-8.88	0	%100
107	M72	X	0	0	0	%100
108	M72	Z	-8.813	-8.813	0	%100
109	M73	X	0	0	0	%100
110	M73	Z	-8.879	-8.879	0	%100
111	M74	X	0	0	0	%100
112	M74	Z	-8.88	-8.88	0	%100
113	M75	X	0	0	0	%100
114	M75	Z	-8.813	-8.813	0	%100
115	MP1A	X	0	0	0	%100
116	MP1A	Z	-8.754	-8.754	0	%100
117	MP2A	X	0	0	0	%100
118	MP2A	Z	-8.754	-8.754	0	%100
119	MP4A	X	0	0	0	%100
120	MP4A	Z	-8.754	-8.754	0	%100
121	MP5A	X	0	0	0	%100
122	MP5A	Z	-8.754	-8.754	0	%100
123	MPA	X	0	0	0	%100
124	MPA	Z	-8.754	-8.754	0	%100
125	MP6A	X	0	0	0	%100
126	MP6A	Z	-8.754	-8.754	0	%100
127	MP1C	X	0	0	0	%100
128	MP1C	Z	-8.754	-8.754	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	-8.754	-8.754	0	%100
131	MPC	X	0	0	0	%100
132	MPC	Z	-8.754	-8.754	0	%100
133	MP2C	X	0	0	0	%100
134	MP2C	Z	-8.754	-8.754	0	%100
135	MP5C	X	0	0	0	%100
136	MP5C	Z	-8.754	-8.754	0	%100
137	MP6C	X	0	0	0	%100
138	MP6C	Z	-8.754	-8.754	0	%100
139	MPB	X	0	0	0	%100
140	MPB	Z	-8.754	-8.754	0	%100
141	MPB2	X	0	0	0	%100
142	MPB2	Z	-8.754	-8.754	0	%100
143	MP5B	X	0	0	0	%100
144	MP5B	Z	-8.754	-8.754	0	%100
145	MP4C	X	0	0	0	%100
146	MP4C	Z	-8.754	-8.754	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,%]
147	MP3C	X	0	0	0	%100
148	MP3C	Z	-8.754	-8.754	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	-4.607	-4.607	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	-4.607	-4.607	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	-4.607	-4.607	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	-4.607	-4.607	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	-18.429	-18.429	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	-18.429	-18.429	0	%100
161	MP3A	X	0	0	0	%100
162	MP3A	Z	-8.754	-8.754	0	%100
163	MP4B	X	0	0	0	%100
164	MP4B	Z	-8.754	-8.754	0	%100
165	MP6B	X	0	0	0	%100
166	MP6B	Z	-8.754	-8.754	0	%100
167	MP3B	X	0	0	0	%100
168	MP3B	Z	-8.754	-8.754	0	%100
169	M163A	X	0	0	0	%100
170	M163A	Z	-8.754	-8.754	0	%100
171	M166	X	0	0	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	0	0	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	0	0	0	%100
176	MP2B	Z	-8.754	-8.754	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	-4.14	-4.14	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	-4.14	-4.14	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	6.911	6.911	0	%100
2	M1	Z	-11.97	-11.97	0	%100
3	M2	X	6.911	6.911	0	%100
4	M2	Z	-11.97	-11.97	0	%100
5	M3	X	5.029	5.029	0	%100
6	M3	Z	-8.711	-8.711	0	%100
7	M4	X	5.029	5.029	0	%100
8	M4	Z	-8.711	-8.711	0	%100
9	M5	X	5.026	5.026	0	%100
10	M5	Z	-8.706	-8.706	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	4.838	4.838	0	%100
16	M8	Z	-8.379	-8.379	0	%100
17	M9	X	4.838	4.838	0	%100
18	M9	Z	-8.379	-8.379	0	%100
19	M10	X	2.585	2.585	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,%]
20	M10	Z	-4.478	-4.478	0	%100
21	M11	X	2.585	2.585	0	%100
22	M11	Z	-4.478	-4.478	0	%100
23	M12	X	5.119	5.119	0	%100
24	M12	Z	-8.867	-8.867	0	%100
25	M13	X	5.119	5.119	0	%100
26	M13	Z	-8.867	-8.867	0	%100
27	M14	X	5.119	5.119	0	%100
28	M14	Z	-8.867	-8.867	0	%100
29	M15	X	3.549	3.549	0	%100
30	M15	Z	-6.147	-6.147	0	%100
31	M16	X	3.539	3.539	0	%100
32	M16	Z	-6.13	-6.13	0	%100
33	M17	X	5.119	5.119	0	%100
34	M17	Z	-8.867	-8.867	0	%100
35	M18	X	6.911	6.911	0	%100
36	M18	Z	-11.97	-11.97	0	%100
37	M19	X	6.911	6.911	0	%100
38	M19	Z	-11.97	-11.97	0	%100
39	M20	X	4.838	4.838	0	%100
40	M20	Z	-8.379	-8.379	0	%100
41	M21	X	4.838	4.838	0	%100
42	M21	Z	-8.379	-8.379	0	%100
43	M22	X	10.341	10.341	0	%100
44	M22	Z	-17.911	-17.911	0	%100
45	M23	X	10.341	10.341	0	%100
46	M23	Z	-17.911	-17.911	0	%100
47	M24	X	5.119	5.119	0	%100
48	M24	Z	-8.867	-8.867	0	%100
49	M25	X	5.119	5.119	0	%100
50	M25	Z	-8.867	-8.867	0	%100
51	M26	X	5.792	5.792	0	%100
52	M26	Z	-10.032	-10.032	0	%100
53	M27	X	5.799	5.799	0	%100
54	M27	Z	-10.045	-10.045	0	%100
55	M28	X	5.119	5.119	0	%100
56	M28	Z	-8.867	-8.867	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	2.585	2.585	0	%100
62	M31	Z	-4.478	-4.478	0	%100
63	M32	X	2.585	2.585	0	%100
64	M32	Z	-4.478	-4.478	0	%100
65	M33	X	5.119	5.119	0	%100
66	M33	Z	-8.867	-8.867	0	%100
67	M34	X	5.119	5.119	0	%100
68	M34	Z	-8.867	-8.867	0	%100
69	M35	X	3.549	3.549	0	%100
70	M35	Z	-6.147	-6.147	0	%100
71	M36	X	3.539	3.539	0	%100
72	M36	Z	-6.13	-6.13	0	%100
73	M37	X	6.201	6.201	0	%100
74	M37	Z	-10.74	-10.74	0	%100
75	M38	X	6.201	6.201	0	%100
76	M38	Z	-10.74	-10.74	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,%]
77	M39	X	0	0	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	6.201	6.201	0	%100
80	M49	Z	-10.74	-10.74	0	%100
81	M50	X	6.201	6.201	0	%100
82	M50	Z	-10.74	-10.74	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	5.029	5.029	0	%100
86	M61	Z	-8.711	-8.711	0	%100
87	M62	X	5.029	5.029	0	%100
88	M62	Z	-8.711	-8.711	0	%100
89	M63	X	5.026	5.026	0	%100
90	M63	Z	-8.706	-8.706	0	%100
91	M64	X	5.029	5.029	0	%100
92	M64	Z	-8.711	-8.711	0	%100
93	M65	X	5.029	5.029	0	%100
94	M65	Z	-8.711	-8.711	0	%100
95	M66	X	5.026	5.026	0	%100
96	M66	Z	-8.706	-8.706	0	%100
97	M67	X	5.029	5.029	0	%100
98	M67	Z	-8.711	-8.711	0	%100
99	M68	X	5.029	5.029	0	%100
100	M68	Z	-8.711	-8.711	0	%100
101	M69	X	5.026	5.026	0	%100
102	M69	Z	-8.706	-8.706	0	%100
103	M70	X	4.145	4.145	0	%100
104	M70	Z	-7.179	-7.179	0	%100
105	M71	X	4.145	4.145	0	%100
106	M71	Z	-7.179	-7.179	0	%100
107	M72	X	4.097	4.097	0	%100
108	M72	Z	-7.096	-7.096	0	%100
109	M73	X	4.145	4.145	0	%100
110	M73	Z	-7.179	-7.179	0	%100
111	M74	X	4.145	4.145	0	%100
112	M74	Z	-7.179	-7.179	0	%100
113	M75	X	4.097	4.097	0	%100
114	M75	Z	-7.096	-7.096	0	%100
115	MP1A	X	4.377	4.377	0	%100
116	MP1A	Z	-7.581	-7.581	0	%100
117	MP2A	X	4.377	4.377	0	%100
118	MP2A	Z	-7.581	-7.581	0	%100
119	MP4A	X	4.377	4.377	0	%100
120	MP4A	Z	-7.581	-7.581	0	%100
121	MP5A	X	4.377	4.377	0	%100
122	MP5A	Z	-7.581	-7.581	0	%100
123	MPA	X	4.377	4.377	0	%100
124	MPA	Z	-7.581	-7.581	0	%100
125	MP6A	X	4.377	4.377	0	%100
126	MP6A	Z	-7.581	-7.581	0	%100
127	MP1C	X	4.377	4.377	0	%100
128	MP1C	Z	-7.581	-7.581	0	%100
129	MP1B	X	4.377	4.377	0	%100
130	MP1B	Z	-7.581	-7.581	0	%100
131	MPC	X	4.377	4.377	0	%100
132	MPC	Z	-7.581	-7.581	0	%100
133	MP2C	X	4.377	4.377	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, %]
134	MP2C	Z	-7.581	-7.581	0	%100
135	MP5C	X	4.377	4.377	0	%100
136	MP5C	Z	-7.581	-7.581	0	%100
137	MP6C	X	4.377	4.377	0	%100
138	MP6C	Z	-7.581	-7.581	0	%100
139	MPB	X	4.377	4.377	0	%100
140	MPB	Z	-7.581	-7.581	0	%100
141	MPB2	X	4.377	4.377	0	%100
142	MPB2	Z	-7.581	-7.581	0	%100
143	MP5B	X	4.377	4.377	0	%100
144	MP5B	Z	-7.581	-7.581	0	%100
145	MP4C	X	4.377	4.377	0	%100
146	MP4C	Z	-7.581	-7.581	0	%100
147	MP3C	X	4.377	4.377	0	%100
148	MP3C	Z	-7.581	-7.581	0	%100
149	M146	X	6.911	6.911	0	%100
150	M146	Z	-11.97	-11.97	0	%100
151	M147	X	6.911	6.911	0	%100
152	M147	Z	-11.97	-11.97	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	6.911	6.911	0	%100
158	M162	Z	-11.97	-11.97	0	%100
159	M163	X	6.911	6.911	0	%100
160	M163	Z	-11.97	-11.97	0	%100
161	MP3A	X	4.377	4.377	0	%100
162	MP3A	Z	-7.581	-7.581	0	%100
163	MP4B	X	4.377	4.377	0	%100
164	MP4B	Z	-7.581	-7.581	0	%100
165	MP6B	X	4.377	4.377	0	%100
166	MP6B	Z	-7.581	-7.581	0	%100
167	MP3B	X	4.377	4.377	0	%100
168	MP3B	Z	-7.581	-7.581	0	%100
169	M163A	X	4.377	4.377	0	%100
170	M163A	Z	-7.581	-7.581	0	%100
171	M166	X	.69	.69	0	%100
172	M166	Z	-1.195	-1.195	0	%100
173	M169A	X	.69	.69	0	%100
174	M169A	Z	-1.195	-1.195	0	%100
175	MP2B	X	4.377	4.377	0	%100
176	MP2B	Z	-7.581	-7.581	0	%100
177	M173A	X	2.76	2.76	0	%100
178	M173A	Z	-4.781	-4.781	0	%100
179	M176	X	2.76	2.76	0	%100
180	M176	Z	-4.781	-4.781	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	3.99	3.99	0	%100
2	M1	Z	-2.304	-2.304	0	%100
3	M2	X	3.99	3.99	0	%100
4	M2	Z	-2.304	-2.304	0	%100
5	M3	X	7.689	7.689	0	%100
6	M3	Z	-4.439	-4.439	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,%]
7	M4	X	7.69	7.69	0	%100
8	M4	Z	-4.44	-4.44	0	%100
9	M5	X	7.633	7.633	0	%100
10	M5	Z	-4.407	-4.407	0	%100
11	M6	X	2.793	2.793	0	%100
12	M6	Z	-1.613	-1.613	0	%100
13	M7	X	2.793	2.793	0	%100
14	M7	Z	-1.613	-1.613	0	%100
15	M8	X	11.172	11.172	0	%100
16	M8	Z	-6.45	-6.45	0	%100
17	M9	X	11.172	11.172	0	%100
18	M9	Z	-6.45	-6.45	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	8.867	8.867	0	%100
24	M12	Z	-5.119	-5.119	0	%100
25	M13	X	8.867	8.867	0	%100
26	M13	Z	-5.119	-5.119	0	%100
27	M14	X	8.867	8.867	0	%100
28	M14	Z	-5.119	-5.119	0	%100
29	M15	X	4.852	4.852	0	%100
30	M15	Z	-2.801	-2.801	0	%100
31	M16	X	4.825	4.825	0	%100
32	M16	Z	-2.786	-2.786	0	%100
33	M17	X	8.867	8.867	0	%100
34	M17	Z	-5.119	-5.119	0	%100
35	M18	X	15.96	15.96	0	%100
36	M18	Z	-9.215	-9.215	0	%100
37	M19	X	15.96	15.96	0	%100
38	M19	Z	-9.215	-9.215	0	%100
39	M20	X	2.793	2.793	0	%100
40	M20	Z	-1.613	-1.613	0	%100
41	M21	X	2.793	2.793	0	%100
42	M21	Z	-1.613	-1.613	0	%100
43	M22	X	13.433	13.433	0	%100
44	M22	Z	-7.756	-7.756	0	%100
45	M23	X	13.433	13.433	0	%100
46	M23	Z	-7.756	-7.756	0	%100
47	M24	X	8.867	8.867	0	%100
48	M24	Z	-5.119	-5.119	0	%100
49	M25	X	8.867	8.867	0	%100
50	M25	Z	-5.119	-5.119	0	%100
51	M26	X	8.737	8.737	0	%100
52	M26	Z	-5.044	-5.044	0	%100
53	M27	X	8.74	8.74	0	%100
54	M27	Z	-5.046	-5.046	0	%100
55	M28	X	8.867	8.867	0	%100
56	M28	Z	-5.119	-5.119	0	%100
57	M29	X	3.99	3.99	0	%100
58	M29	Z	-2.304	-2.304	0	%100
59	M30	X	3.99	3.99	0	%100
60	M30	Z	-2.304	-2.304	0	%100
61	M31	X	13.433	13.433	0	%100
62	M31	Z	-7.756	-7.756	0	%100
63	M32	X	13.433	13.433	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,%]
64	M32	Z	-7.756	-7.756	0	%100
65	M33	X	8.867	8.867	0	%100
66	M33	Z	-5.119	-5.119	0	%100
67	M34	X	8.867	8.867	0	%100
68	M34	Z	-5.119	-5.119	0	%100
69	M35	X	8.737	8.737	0	%100
70	M35	Z	-5.044	-5.044	0	%100
71	M36	X	8.74	8.74	0	%100
72	M36	Z	-5.046	-5.046	0	%100
73	M37	X	14.32	14.32	0	%100
74	M37	Z	-8.268	-8.268	0	%100
75	M38	X	3.58	3.58	0	%100
76	M38	Z	-2.067	-2.067	0	%100
77	M39	X	3.58	3.58	0	%100
78	M39	Z	-2.067	-2.067	0	%100
79	M49	X	14.32	14.32	0	%100
80	M49	Z	-8.268	-8.268	0	%100
81	M50	X	3.58	3.58	0	%100
82	M50	Z	-2.067	-2.067	0	%100
83	M51	X	3.58	3.58	0	%100
84	M51	Z	-2.067	-2.067	0	%100
85	M61	X	7.689	7.689	0	%100
86	M61	Z	-4.439	-4.439	0	%100
87	M62	X	7.69	7.69	0	%100
88	M62	Z	-4.44	-4.44	0	%100
89	M63	X	7.633	7.633	0	%100
90	M63	Z	-4.407	-4.407	0	%100
91	M64	X	9.222	9.222	0	%100
92	M64	Z	-5.324	-5.324	0	%100
93	M65	X	9.221	9.221	0	%100
94	M65	Z	-5.324	-5.324	0	%100
95	M66	X	9.243	9.243	0	%100
96	M66	Z	-5.336	-5.336	0	%100
97	M67	X	9.222	9.222	0	%100
98	M67	Z	-5.324	-5.324	0	%100
99	M68	X	9.221	9.221	0	%100
100	M68	Z	-5.324	-5.324	0	%100
101	M69	X	9.243	9.243	0	%100
102	M69	Z	-5.336	-5.336	0	%100
103	M70	X	7.689	7.689	0	%100
104	M70	Z	-4.439	-4.439	0	%100
105	M71	X	7.69	7.69	0	%100
106	M71	Z	-4.44	-4.44	0	%100
107	M72	X	7.633	7.633	0	%100
108	M72	Z	-4.407	-4.407	0	%100
109	M73	X	7.689	7.689	0	%100
110	M73	Z	-4.439	-4.439	0	%100
111	M74	X	7.69	7.69	0	%100
112	M74	Z	-4.44	-4.44	0	%100
113	M75	X	7.633	7.633	0	%100
114	M75	Z	-4.407	-4.407	0	%100
115	MP1A	X	7.581	7.581	0	%100
116	MP1A	Z	-4.377	-4.377	0	%100
117	MP2A	X	7.581	7.581	0	%100
118	MP2A	Z	-4.377	-4.377	0	%100
119	MP4A	X	7.581	7.581	0	%100
120	MP4A	Z	-4.377	-4.377	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,%]
121	MP5A	X	7.581	7.581	0	%100
122	MP5A	Z	-4.377	-4.377	0	%100
123	MPA	X	7.581	7.581	0	%100
124	MPA	Z	-4.377	-4.377	0	%100
125	MP6A	X	7.581	7.581	0	%100
126	MP6A	Z	-4.377	-4.377	0	%100
127	MP1C	X	7.581	7.581	0	%100
128	MP1C	Z	-4.377	-4.377	0	%100
129	MP1B	X	7.581	7.581	0	%100
130	MP1B	Z	-4.377	-4.377	0	%100
131	MP1C	X	7.581	7.581	0	%100
132	MP1C	Z	-4.377	-4.377	0	%100
133	MP2C	X	7.581	7.581	0	%100
134	MP2C	Z	-4.377	-4.377	0	%100
135	MP5C	X	7.581	7.581	0	%100
136	MP5C	Z	-4.377	-4.377	0	%100
137	MP6C	X	7.581	7.581	0	%100
138	MP6C	Z	-4.377	-4.377	0	%100
139	MPB	X	7.581	7.581	0	%100
140	MPB	Z	-4.377	-4.377	0	%100
141	MPB2	X	7.581	7.581	0	%100
142	MPB2	Z	-4.377	-4.377	0	%100
143	MP5B	X	7.581	7.581	0	%100
144	MP5B	Z	-4.377	-4.377	0	%100
145	MP4C	X	7.581	7.581	0	%100
146	MP4C	Z	-4.377	-4.377	0	%100
147	MP3C	X	7.581	7.581	0	%100
148	MP3C	Z	-4.377	-4.377	0	%100
149	M146	X	15.96	15.96	0	%100
150	M146	Z	-9.215	-9.215	0	%100
151	M147	X	15.96	15.96	0	%100
152	M147	Z	-9.215	-9.215	0	%100
153	M154	X	3.99	3.99	0	%100
154	M154	Z	-2.304	-2.304	0	%100
155	M155	X	3.99	3.99	0	%100
156	M155	Z	-2.304	-2.304	0	%100
157	M162	X	3.99	3.99	0	%100
158	M162	Z	-2.304	-2.304	0	%100
159	M163	X	3.99	3.99	0	%100
160	M163	Z	-2.304	-2.304	0	%100
161	MP3A	X	7.581	7.581	0	%100
162	MP3A	Z	-4.377	-4.377	0	%100
163	MP4B	X	7.581	7.581	0	%100
164	MP4B	Z	-4.377	-4.377	0	%100
165	MP6B	X	7.581	7.581	0	%100
166	MP6B	Z	-4.377	-4.377	0	%100
167	MP3B	X	7.581	7.581	0	%100
168	MP3B	Z	-4.377	-4.377	0	%100
169	M163A	X	7.581	7.581	0	%100
170	M163A	Z	-4.377	-4.377	0	%100
171	M166	X	3.586	3.586	0	%100
172	M166	Z	-2.07	-2.07	0	%100
173	M169A	X	3.586	3.586	0	%100
174	M169A	Z	-2.07	-2.07	0	%100
175	MP2B	X	7.581	7.581	0	%100
176	MP2B	Z	-4.377	-4.377	0	%100
177	M173A	X	3.586	3.586	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,%]
178	M173A	Z	-2.07	-2.07	0	%100
179	M176	X	3.586	3.586	0	%100
180	M176	Z	-2.07	-2.07	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	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	8.289	8.289	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	8.29	8.29	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	8.194	8.194	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	9.675	9.675	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	9.675	9.675	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	9.675	9.675	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	9.675	9.675	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	5.17	5.17	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	5.17	5.17	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	10.239	10.239	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	10.239	10.239	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	10.239	10.239	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	7.097	7.097	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	7.079	7.079	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	10.239	10.239	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	13.822	13.822	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	13.822	13.822	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	5.17	5.17	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	5.17	5.17	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	10.239	10.239	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	10.239	10.239	0	%100
50	M25	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,%]
51	M26	X	7.097	7.097	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	7.079	7.079	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	10.239	10.239	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	13.822	13.822	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	13.822	13.822	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	20.682	20.682	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	20.682	20.682	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	10.239	10.239	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	10.239	10.239	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	11.584	11.584	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	11.599	11.599	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	12.401	12.401	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	12.401	12.401	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	12.401	12.401	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	0	0	0	%100
83	M51	X	12.401	12.401	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	8.289	8.289	0	%100
86	M61	Z	0	0	0	%100
87	M62	X	8.29	8.29	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	8.194	8.194	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	10.058	10.058	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	10.059	10.059	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	10.053	10.053	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	10.058	10.058	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	10.059	10.059	0	%100
100	M68	Z	0	0	0	%100
101	M69	X	10.053	10.053	0	%100
102	M69	Z	0	0	0	%100
103	M70	X	10.058	10.058	0	%100
104	M70	Z	0	0	0	%100
105	M71	X	10.059	10.059	0	%100
106	M71	Z	0	0	0	%100
107	M72	X	10.053	10.053	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,%]
108	M72	Z	0	0	0	%100
109	M73	X	10.058	10.058	0	%100
110	M73	Z	0	0	0	%100
111	M74	X	10.059	10.059	0	%100
112	M74	Z	0	0	0	%100
113	M75	X	10.053	10.053	0	%100
114	M75	Z	0	0	0	%100
115	MP1A	X	8.754	8.754	0	%100
116	MP1A	Z	0	0	0	%100
117	MP2A	X	8.754	8.754	0	%100
118	MP2A	Z	0	0	0	%100
119	MP4A	X	8.754	8.754	0	%100
120	MP4A	Z	0	0	0	%100
121	MP5A	X	8.754	8.754	0	%100
122	MP5A	Z	0	0	0	%100
123	MPA	X	8.754	8.754	0	%100
124	MPA	Z	0	0	0	%100
125	MP6A	X	8.754	8.754	0	%100
126	MP6A	Z	0	0	0	%100
127	MP1C	X	8.754	8.754	0	%100
128	MP1C	Z	0	0	0	%100
129	MP1B	X	8.754	8.754	0	%100
130	MP1B	Z	0	0	0	%100
131	MPC	X	8.754	8.754	0	%100
132	MPC	Z	0	0	0	%100
133	MP2C	X	8.754	8.754	0	%100
134	MP2C	Z	0	0	0	%100
135	MP5C	X	8.754	8.754	0	%100
136	MP5C	Z	0	0	0	%100
137	MP6C	X	8.754	8.754	0	%100
138	MP6C	Z	0	0	0	%100
139	MPB	X	8.754	8.754	0	%100
140	MPB	Z	0	0	0	%100
141	MPB2	X	8.754	8.754	0	%100
142	MPB2	Z	0	0	0	%100
143	MP5B	X	8.754	8.754	0	%100
144	MP5B	Z	0	0	0	%100
145	MP4C	X	8.754	8.754	0	%100
146	MP4C	Z	0	0	0	%100
147	MP3C	X	8.754	8.754	0	%100
148	MP3C	Z	0	0	0	%100
149	M146	X	13.822	13.822	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	13.822	13.822	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	13.822	13.822	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	13.822	13.822	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	0	0	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	0	0	0	%100
161	MP3A	X	8.754	8.754	0	%100
162	MP3A	Z	0	0	0	%100
163	MP4B	X	8.754	8.754	0	%100
164	MP4B	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, %]
165	MP6B	X	8.754	8.754	0	%100
166	MP6B	Z	0	0	0	%100
167	MP3B	X	8.754	8.754	0	%100
168	MP3B	Z	0	0	0	%100
169	M163A	X	8.754	8.754	0	%100
170	M163A	Z	0	0	0	%100
171	M166	X	5.52	5.52	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	5.52	5.52	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	8.754	8.754	0	%100
176	MP2B	Z	0	0	0	%100
177	M173A	X	1.38	1.38	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	1.38	1.38	0	%100
180	M176	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	3.99	3.99	0	%100
2	M1	Z	2.304	2.304	0	%100
3	M2	X	3.99	3.99	0	%100
4	M2	Z	2.304	2.304	0	%100
5	M3	X	7.689	7.689	0	%100
6	M3	Z	4.439	4.439	0	%100
7	M4	X	7.69	7.69	0	%100
8	M4	Z	4.44	4.44	0	%100
9	M5	X	7.633	7.633	0	%100
10	M5	Z	4.407	4.407	0	%100
11	M6	X	11.172	11.172	0	%100
12	M6	Z	6.45	6.45	0	%100
13	M7	X	11.172	11.172	0	%100
14	M7	Z	6.45	6.45	0	%100
15	M8	X	2.793	2.793	0	%100
16	M8	Z	1.613	1.613	0	%100
17	M9	X	2.793	2.793	0	%100
18	M9	Z	1.613	1.613	0	%100
19	M10	X	13.433	13.433	0	%100
20	M10	Z	7.756	7.756	0	%100
21	M11	X	13.433	13.433	0	%100
22	M11	Z	7.756	7.756	0	%100
23	M12	X	8.867	8.867	0	%100
24	M12	Z	5.119	5.119	0	%100
25	M13	X	8.867	8.867	0	%100
26	M13	Z	5.119	5.119	0	%100
27	M14	X	8.867	8.867	0	%100
28	M14	Z	5.119	5.119	0	%100
29	M15	X	8.737	8.737	0	%100
30	M15	Z	5.044	5.044	0	%100
31	M16	X	8.74	8.74	0	%100
32	M16	Z	5.046	5.046	0	%100
33	M17	X	8.867	8.867	0	%100
34	M17	Z	5.119	5.119	0	%100
35	M18	X	3.99	3.99	0	%100
36	M18	Z	2.304	2.304	0	%100
37	M19	X	3.99	3.99	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,%]
38	M19	Z	2.304	2.304	0	%100
39	M20	X	2.793	2.793	0	%100
40	M20	Z	1.613	1.613	0	%100
41	M21	X	2.793	2.793	0	%100
42	M21	Z	1.613	1.613	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	8.867	8.867	0	%100
48	M24	Z	5.119	5.119	0	%100
49	M25	X	8.867	8.867	0	%100
50	M25	Z	5.119	5.119	0	%100
51	M26	X	4.852	4.852	0	%100
52	M26	Z	2.801	2.801	0	%100
53	M27	X	4.825	4.825	0	%100
54	M27	Z	2.786	2.786	0	%100
55	M28	X	8.867	8.867	0	%100
56	M28	Z	5.119	5.119	0	%100
57	M29	X	15.96	15.96	0	%100
58	M29	Z	9.215	9.215	0	%100
59	M30	X	15.96	15.96	0	%100
60	M30	Z	9.215	9.215	0	%100
61	M31	X	13.433	13.433	0	%100
62	M31	Z	7.756	7.756	0	%100
63	M32	X	13.433	13.433	0	%100
64	M32	Z	7.756	7.756	0	%100
65	M33	X	8.867	8.867	0	%100
66	M33	Z	5.119	5.119	0	%100
67	M34	X	8.867	8.867	0	%100
68	M34	Z	5.119	5.119	0	%100
69	M35	X	8.737	8.737	0	%100
70	M35	Z	5.044	5.044	0	%100
71	M36	X	8.74	8.74	0	%100
72	M36	Z	5.046	5.046	0	%100
73	M37	X	3.58	3.58	0	%100
74	M37	Z	2.067	2.067	0	%100
75	M38	X	3.58	3.58	0	%100
76	M38	Z	2.067	2.067	0	%100
77	M39	X	14.32	14.32	0	%100
78	M39	Z	8.268	8.268	0	%100
79	M49	X	3.58	3.58	0	%100
80	M49	Z	2.067	2.067	0	%100
81	M50	X	3.58	3.58	0	%100
82	M50	Z	2.067	2.067	0	%100
83	M51	X	14.32	14.32	0	%100
84	M51	Z	8.268	8.268	0	%100
85	M61	X	7.689	7.689	0	%100
86	M61	Z	4.439	4.439	0	%100
87	M62	X	7.69	7.69	0	%100
88	M62	Z	4.44	4.44	0	%100
89	M63	X	7.633	7.633	0	%100
90	M63	Z	4.407	4.407	0	%100
91	M64	X	7.689	7.689	0	%100
92	M64	Z	4.439	4.439	0	%100
93	M65	X	7.69	7.69	0	%100
94	M65	Z	4.44	4.44	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,%]
95	M66	X	7.633	7.633	0	%100
96	M66	Z	4.407	4.407	0	%100
97	M67	X	7.689	7.689	0	%100
98	M67	Z	4.439	4.439	0	%100
99	M68	X	7.69	7.69	0	%100
100	M68	Z	4.44	4.44	0	%100
101	M69	X	7.633	7.633	0	%100
102	M69	Z	4.407	4.407	0	%100
103	M70	X	9.222	9.222	0	%100
104	M70	Z	5.324	5.324	0	%100
105	M71	X	9.221	9.221	0	%100
106	M71	Z	5.324	5.324	0	%100
107	M72	X	9.243	9.243	0	%100
108	M72	Z	5.336	5.336	0	%100
109	M73	X	9.222	9.222	0	%100
110	M73	Z	5.324	5.324	0	%100
111	M74	X	9.221	9.221	0	%100
112	M74	Z	5.324	5.324	0	%100
113	M75	X	9.243	9.243	0	%100
114	M75	Z	5.336	5.336	0	%100
115	MP1A	X	7.581	7.581	0	%100
116	MP1A	Z	4.377	4.377	0	%100
117	MP2A	X	7.581	7.581	0	%100
118	MP2A	Z	4.377	4.377	0	%100
119	MP4A	X	7.581	7.581	0	%100
120	MP4A	Z	4.377	4.377	0	%100
121	MP5A	X	7.581	7.581	0	%100
122	MP5A	Z	4.377	4.377	0	%100
123	MPA	X	7.581	7.581	0	%100
124	MPA	Z	4.377	4.377	0	%100
125	MP6A	X	7.581	7.581	0	%100
126	MP6A	Z	4.377	4.377	0	%100
127	MP1C	X	7.581	7.581	0	%100
128	MP1C	Z	4.377	4.377	0	%100
129	MP1B	X	7.581	7.581	0	%100
130	MP1B	Z	4.377	4.377	0	%100
131	MPC	X	7.581	7.581	0	%100
132	MPC	Z	4.377	4.377	0	%100
133	MP2C	X	7.581	7.581	0	%100
134	MP2C	Z	4.377	4.377	0	%100
135	MP5C	X	7.581	7.581	0	%100
136	MP5C	Z	4.377	4.377	0	%100
137	MP6C	X	7.581	7.581	0	%100
138	MP6C	Z	4.377	4.377	0	%100
139	MPB	X	7.581	7.581	0	%100
140	MPB	Z	4.377	4.377	0	%100
141	MPB2	X	7.581	7.581	0	%100
142	MPB2	Z	4.377	4.377	0	%100
143	MP5B	X	7.581	7.581	0	%100
144	MP5B	Z	4.377	4.377	0	%100
145	MP4C	X	7.581	7.581	0	%100
146	MP4C	Z	4.377	4.377	0	%100
147	MP3C	X	7.581	7.581	0	%100
148	MP3C	Z	4.377	4.377	0	%100
149	M146	X	3.99	3.99	0	%100
150	M146	Z	2.304	2.304	0	%100
151	M147	X	3.99	3.99	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,%]
152	M147	Z	2.304	2.304	0	%100
153	M154	X	15.96	15.96	0	%100
154	M154	Z	9.215	9.215	0	%100
155	M155	X	15.96	15.96	0	%100
156	M155	Z	9.215	9.215	0	%100
157	M162	X	3.99	3.99	0	%100
158	M162	Z	2.304	2.304	0	%100
159	M163	X	3.99	3.99	0	%100
160	M163	Z	2.304	2.304	0	%100
161	MP3A	X	7.581	7.581	0	%100
162	MP3A	Z	4.377	4.377	0	%100
163	MP4B	X	7.581	7.581	0	%100
164	MP4B	Z	4.377	4.377	0	%100
165	MP6B	X	7.581	7.581	0	%100
166	MP6B	Z	4.377	4.377	0	%100
167	MP3B	X	7.581	7.581	0	%100
168	MP3B	Z	4.377	4.377	0	%100
169	M163A	X	7.581	7.581	0	%100
170	M163A	Z	4.377	4.377	0	%100
171	M166	X	3.586	3.586	0	%100
172	M166	Z	2.07	2.07	0	%100
173	M169A	X	3.586	3.586	0	%100
174	M169A	Z	2.07	2.07	0	%100
175	MP2B	X	7.581	7.581	0	%100
176	MP2B	Z	4.377	4.377	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	0	0	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	6.911	6.911	0	%100
2	M1	Z	11.97	11.97	0	%100
3	M2	X	6.911	6.911	0	%100
4	M2	Z	11.97	11.97	0	%100
5	M3	X	5.029	5.029	0	%100
6	M3	Z	8.711	8.711	0	%100
7	M4	X	5.029	5.029	0	%100
8	M4	Z	8.711	8.711	0	%100
9	M5	X	5.026	5.026	0	%100
10	M5	Z	8.706	8.706	0	%100
11	M6	X	4.838	4.838	0	%100
12	M6	Z	8.379	8.379	0	%100
13	M7	X	4.838	4.838	0	%100
14	M7	Z	8.379	8.379	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	10.341	10.341	0	%100
20	M10	Z	17.911	17.911	0	%100
21	M11	X	10.341	10.341	0	%100
22	M11	Z	17.911	17.911	0	%100
23	M12	X	5.119	5.119	0	%100
24	M12	Z	8.867	8.867	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, %]
25	M13	X	5.119	5.119	0	%100
26	M13	Z	8.867	8.867	0	%100
27	M14	X	5.119	5.119	0	%100
28	M14	Z	8.867	8.867	0	%100
29	M15	X	5.792	5.792	0	%100
30	M15	Z	10.032	10.032	0	%100
31	M16	X	5.799	5.799	0	%100
32	M16	Z	10.045	10.045	0	%100
33	M17	X	5.119	5.119	0	%100
34	M17	Z	8.867	8.867	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	4.838	4.838	0	%100
40	M20	Z	8.379	8.379	0	%100
41	M21	X	4.838	4.838	0	%100
42	M21	Z	8.379	8.379	0	%100
43	M22	X	2.585	2.585	0	%100
44	M22	Z	4.478	4.478	0	%100
45	M23	X	2.585	2.585	0	%100
46	M23	Z	4.478	4.478	0	%100
47	M24	X	5.119	5.119	0	%100
48	M24	Z	8.867	8.867	0	%100
49	M25	X	5.119	5.119	0	%100
50	M25	Z	8.867	8.867	0	%100
51	M26	X	3.549	3.549	0	%100
52	M26	Z	6.147	6.147	0	%100
53	M27	X	3.539	3.539	0	%100
54	M27	Z	6.13	6.13	0	%100
55	M28	X	5.119	5.119	0	%100
56	M28	Z	8.867	8.867	0	%100
57	M29	X	6.911	6.911	0	%100
58	M29	Z	11.97	11.97	0	%100
59	M30	X	6.911	6.911	0	%100
60	M30	Z	11.97	11.97	0	%100
61	M31	X	2.585	2.585	0	%100
62	M31	Z	4.478	4.478	0	%100
63	M32	X	2.585	2.585	0	%100
64	M32	Z	4.478	4.478	0	%100
65	M33	X	5.119	5.119	0	%100
66	M33	Z	8.867	8.867	0	%100
67	M34	X	5.119	5.119	0	%100
68	M34	Z	8.867	8.867	0	%100
69	M35	X	3.549	3.549	0	%100
70	M35	Z	6.147	6.147	0	%100
71	M36	X	3.539	3.539	0	%100
72	M36	Z	6.13	6.13	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	6.201	6.201	0	%100
76	M38	Z	10.74	10.74	0	%100
77	M39	X	6.201	6.201	0	%100
78	M39	Z	10.74	10.74	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	6.201	6.201	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,%]
82	M50	Z	10.74	10.74	0	%100
83	M51	X	6.201	6.201	0	%100
84	M51	Z	10.74	10.74	0	%100
85	M61	X	5.029	5.029	0	%100
86	M61	Z	8.711	8.711	0	%100
87	M62	X	5.029	5.029	0	%100
88	M62	Z	8.711	8.711	0	%100
89	M63	X	5.026	5.026	0	%100
90	M63	Z	8.706	8.706	0	%100
91	M64	X	4.145	4.145	0	%100
92	M64	Z	7.179	7.179	0	%100
93	M65	X	4.145	4.145	0	%100
94	M65	Z	7.179	7.179	0	%100
95	M66	X	4.097	4.097	0	%100
96	M66	Z	7.096	7.096	0	%100
97	M67	X	4.145	4.145	0	%100
98	M67	Z	7.179	7.179	0	%100
99	M68	X	4.145	4.145	0	%100
100	M68	Z	7.179	7.179	0	%100
101	M69	X	4.097	4.097	0	%100
102	M69	Z	7.096	7.096	0	%100
103	M70	X	5.029	5.029	0	%100
104	M70	Z	8.711	8.711	0	%100
105	M71	X	5.029	5.029	0	%100
106	M71	Z	8.711	8.711	0	%100
107	M72	X	5.026	5.026	0	%100
108	M72	Z	8.706	8.706	0	%100
109	M73	X	5.029	5.029	0	%100
110	M73	Z	8.711	8.711	0	%100
111	M74	X	5.029	5.029	0	%100
112	M74	Z	8.711	8.711	0	%100
113	M75	X	5.026	5.026	0	%100
114	M75	Z	8.706	8.706	0	%100
115	MP1A	X	4.377	4.377	0	%100
116	MP1A	Z	7.581	7.581	0	%100
117	MP2A	X	4.377	4.377	0	%100
118	MP2A	Z	7.581	7.581	0	%100
119	MP4A	X	4.377	4.377	0	%100
120	MP4A	Z	7.581	7.581	0	%100
121	MP5A	X	4.377	4.377	0	%100
122	MP5A	Z	7.581	7.581	0	%100
123	MPA	X	4.377	4.377	0	%100
124	MPA	Z	7.581	7.581	0	%100
125	MP6A	X	4.377	4.377	0	%100
126	MP6A	Z	7.581	7.581	0	%100
127	MP1C	X	4.377	4.377	0	%100
128	MP1C	Z	7.581	7.581	0	%100
129	MP1B	X	4.377	4.377	0	%100
130	MP1B	Z	7.581	7.581	0	%100
131	MPC	X	4.377	4.377	0	%100
132	MPC	Z	7.581	7.581	0	%100
133	MP2C	X	4.377	4.377	0	%100
134	MP2C	Z	7.581	7.581	0	%100
135	MP5C	X	4.377	4.377	0	%100
136	MP5C	Z	7.581	7.581	0	%100
137	MP6C	X	4.377	4.377	0	%100
138	MP6C	Z	7.581	7.581	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, %]
139	MPB	X	4.377	4.377	0	%100
140	MPB	Z	7.581	7.581	0	%100
141	MPB2	X	4.377	4.377	0	%100
142	MPB2	Z	7.581	7.581	0	%100
143	MP5B	X	4.377	4.377	0	%100
144	MP5B	Z	7.581	7.581	0	%100
145	MP4C	X	4.377	4.377	0	%100
146	MP4C	Z	7.581	7.581	0	%100
147	MP3C	X	4.377	4.377	0	%100
148	MP3C	Z	7.581	7.581	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	6.911	6.911	0	%100
154	M154	Z	11.97	11.97	0	%100
155	M155	X	6.911	6.911	0	%100
156	M155	Z	11.97	11.97	0	%100
157	M162	X	6.911	6.911	0	%100
158	M162	Z	11.97	11.97	0	%100
159	M163	X	6.911	6.911	0	%100
160	M163	Z	11.97	11.97	0	%100
161	MP3A	X	4.377	4.377	0	%100
162	MP3A	Z	7.581	7.581	0	%100
163	MP4B	X	4.377	4.377	0	%100
164	MP4B	Z	7.581	7.581	0	%100
165	MP6B	X	4.377	4.377	0	%100
166	MP6B	Z	7.581	7.581	0	%100
167	MP3B	X	4.377	4.377	0	%100
168	MP3B	Z	7.581	7.581	0	%100
169	M163A	X	4.377	4.377	0	%100
170	M163A	Z	7.581	7.581	0	%100
171	M166	X	.69	.69	0	%100
172	M166	Z	1.195	1.195	0	%100
173	M169A	X	.69	.69	0	%100
174	M169A	Z	1.195	1.195	0	%100
175	MP2B	X	4.377	4.377	0	%100
176	MP2B	Z	7.581	7.581	0	%100
177	M173A	X	.69	.69	0	%100
178	M173A	Z	1.195	1.195	0	%100
179	M176	X	.69	.69	0	%100
180	M176	Z	1.195	1.195	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	18.429	18.429	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	18.429	18.429	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	10.648	10.648	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	10.648	10.648	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	10.672	10.672	0	%100
11	M6	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, %]
12	M6	Z	3.225	3.225	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	3.225	3.225	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	3.225	3.225	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	3.225	3.225	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	15.511	15.511	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	15.511	15.511	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	10.239	10.239	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	10.239	10.239	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	10.239	10.239	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	10.088	10.088	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	10.092	10.092	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	10.239	10.239	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	4.607	4.607	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	4.607	4.607	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	12.901	12.901	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	12.901	12.901	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	15.511	15.511	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	15.511	15.511	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	10.239	10.239	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	10.239	10.239	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	10.088	10.088	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	10.092	10.092	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	10.239	10.239	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	4.607	4.607	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	4.607	4.607	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	10.239	10.239	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	10.239	10.239	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,%]
69	M35	X	0	0	0	%100
70	M35	Z	5.602	5.602	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	5.572	5.572	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	4.134	4.134	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	16.535	16.535	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	4.134	4.134	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	4.134	4.134	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	16.535	16.535	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	4.134	4.134	0	%100
85	M61	X	0	0	0	%100
86	M61	Z	10.648	10.648	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	10.648	10.648	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	10.672	10.672	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	8.879	8.879	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	8.88	8.88	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	8.813	8.813	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	8.879	8.879	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	8.88	8.88	0	%100
101	M69	X	0	0	0	%100
102	M69	Z	8.813	8.813	0	%100
103	M70	X	0	0	0	%100
104	M70	Z	8.879	8.879	0	%100
105	M71	X	0	0	0	%100
106	M71	Z	8.88	8.88	0	%100
107	M72	X	0	0	0	%100
108	M72	Z	8.813	8.813	0	%100
109	M73	X	0	0	0	%100
110	M73	Z	8.879	8.879	0	%100
111	M74	X	0	0	0	%100
112	M74	Z	8.88	8.88	0	%100
113	M75	X	0	0	0	%100
114	M75	Z	8.813	8.813	0	%100
115	MP1A	X	0	0	0	%100
116	MP1A	Z	8.754	8.754	0	%100
117	MP2A	X	0	0	0	%100
118	MP2A	Z	8.754	8.754	0	%100
119	MP4A	X	0	0	0	%100
120	MP4A	Z	8.754	8.754	0	%100
121	MP5A	X	0	0	0	%100
122	MP5A	Z	8.754	8.754	0	%100
123	MPA	X	0	0	0	%100
124	MPA	Z	8.754	8.754	0	%100
125	MP6A	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,%]
126	MP6A	Z	8.754	8.754	0	%100
127	MP1C	X	0	0	0	%100
128	MP1C	Z	8.754	8.754	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	8.754	8.754	0	%100
131	MPC	X	0	0	0	%100
132	MPC	Z	8.754	8.754	0	%100
133	MP2C	X	0	0	0	%100
134	MP2C	Z	8.754	8.754	0	%100
135	MP5C	X	0	0	0	%100
136	MP5C	Z	8.754	8.754	0	%100
137	MP6C	X	0	0	0	%100
138	MP6C	Z	8.754	8.754	0	%100
139	MPB	X	0	0	0	%100
140	MPB	Z	8.754	8.754	0	%100
141	MPB2	X	0	0	0	%100
142	MPB2	Z	8.754	8.754	0	%100
143	MP5B	X	0	0	0	%100
144	MP5B	Z	8.754	8.754	0	%100
145	MP4C	X	0	0	0	%100
146	MP4C	Z	8.754	8.754	0	%100
147	MP3C	X	0	0	0	%100
148	MP3C	Z	8.754	8.754	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	4.607	4.607	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	4.607	4.607	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	4.607	4.607	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	4.607	4.607	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	18.429	18.429	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	18.429	18.429	0	%100
161	MP3A	X	0	0	0	%100
162	MP3A	Z	8.754	8.754	0	%100
163	MP4B	X	0	0	0	%100
164	MP4B	Z	8.754	8.754	0	%100
165	MP6B	X	0	0	0	%100
166	MP6B	Z	8.754	8.754	0	%100
167	MP3B	X	0	0	0	%100
168	MP3B	Z	8.754	8.754	0	%100
169	M163A	X	0	0	0	%100
170	M163A	Z	8.754	8.754	0	%100
171	M166	X	0	0	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	0	0	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	0	0	0	%100
176	MP2B	Z	8.754	8.754	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	4.14	4.14	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	4.14	4.14	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	-6.911	-6.911	0	%100
2	M1	Z	11.97	11.97	0	%100
3	M2	X	-6.911	-6.911	0	%100
4	M2	Z	11.97	11.97	0	%100
5	M3	X	-5.029	-5.029	0	%100
6	M3	Z	8.711	8.711	0	%100
7	M4	X	-5.029	-5.029	0	%100
8	M4	Z	8.711	8.711	0	%100
9	M5	X	-5.026	-5.026	0	%100
10	M5	Z	8.706	8.706	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-4.838	-4.838	0	%100
16	M8	Z	8.379	8.379	0	%100
17	M9	X	-4.838	-4.838	0	%100
18	M9	Z	8.379	8.379	0	%100
19	M10	X	-2.585	-2.585	0	%100
20	M10	Z	4.478	4.478	0	%100
21	M11	X	-2.585	-2.585	0	%100
22	M11	Z	4.478	4.478	0	%100
23	M12	X	-5.119	-5.119	0	%100
24	M12	Z	8.867	8.867	0	%100
25	M13	X	-5.119	-5.119	0	%100
26	M13	Z	8.867	8.867	0	%100
27	M14	X	-5.119	-5.119	0	%100
28	M14	Z	8.867	8.867	0	%100
29	M15	X	-3.549	-3.549	0	%100
30	M15	Z	6.147	6.147	0	%100
31	M16	X	-3.539	-3.539	0	%100
32	M16	Z	6.13	6.13	0	%100
33	M17	X	-5.119	-5.119	0	%100
34	M17	Z	8.867	8.867	0	%100
35	M18	X	-6.911	-6.911	0	%100
36	M18	Z	11.97	11.97	0	%100
37	M19	X	-6.911	-6.911	0	%100
38	M19	Z	11.97	11.97	0	%100
39	M20	X	-4.838	-4.838	0	%100
40	M20	Z	8.379	8.379	0	%100
41	M21	X	-4.838	-4.838	0	%100
42	M21	Z	8.379	8.379	0	%100
43	M22	X	-10.341	-10.341	0	%100
44	M22	Z	17.911	17.911	0	%100
45	M23	X	-10.341	-10.341	0	%100
46	M23	Z	17.911	17.911	0	%100
47	M24	X	-5.119	-5.119	0	%100
48	M24	Z	8.867	8.867	0	%100
49	M25	X	-5.119	-5.119	0	%100
50	M25	Z	8.867	8.867	0	%100
51	M26	X	-5.792	-5.792	0	%100
52	M26	Z	10.032	10.032	0	%100
53	M27	X	-5.799	-5.799	0	%100
54	M27	Z	10.045	10.045	0	%100
55	M28	X	-5.119	-5.119	0	%100
56	M28	Z	8.867	8.867	0	%100
57	M29	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-2.585	-2.585	0	%100
62	M31	Z	4.478	4.478	0	%100
63	M32	X	-2.585	-2.585	0	%100
64	M32	Z	4.478	4.478	0	%100
65	M33	X	-5.119	-5.119	0	%100
66	M33	Z	8.867	8.867	0	%100
67	M34	X	-5.119	-5.119	0	%100
68	M34	Z	8.867	8.867	0	%100
69	M35	X	-3.549	-3.549	0	%100
70	M35	Z	6.147	6.147	0	%100
71	M36	X	-3.539	-3.539	0	%100
72	M36	Z	6.13	6.13	0	%100
73	M37	X	-6.201	-6.201	0	%100
74	M37	Z	10.74	10.74	0	%100
75	M38	X	-6.201	-6.201	0	%100
76	M38	Z	10.74	10.74	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	-6.201	-6.201	0	%100
80	M49	Z	10.74	10.74	0	%100
81	M50	X	-6.201	-6.201	0	%100
82	M50	Z	10.74	10.74	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	-5.029	-5.029	0	%100
86	M61	Z	8.711	8.711	0	%100
87	M62	X	-5.029	-5.029	0	%100
88	M62	Z	8.711	8.711	0	%100
89	M63	X	-5.026	-5.026	0	%100
90	M63	Z	8.706	8.706	0	%100
91	M64	X	-5.029	-5.029	0	%100
92	M64	Z	8.711	8.711	0	%100
93	M65	X	-5.029	-5.029	0	%100
94	M65	Z	8.711	8.711	0	%100
95	M66	X	-5.026	-5.026	0	%100
96	M66	Z	8.706	8.706	0	%100
97	M67	X	-5.029	-5.029	0	%100
98	M67	Z	8.711	8.711	0	%100
99	M68	X	-5.029	-5.029	0	%100
100	M68	Z	8.711	8.711	0	%100
101	M69	X	-5.026	-5.026	0	%100
102	M69	Z	8.706	8.706	0	%100
103	M70	X	-4.145	-4.145	0	%100
104	M70	Z	7.179	7.179	0	%100
105	M71	X	-4.145	-4.145	0	%100
106	M71	Z	7.179	7.179	0	%100
107	M72	X	-4.097	-4.097	0	%100
108	M72	Z	7.096	7.096	0	%100
109	M73	X	-4.145	-4.145	0	%100
110	M73	Z	7.179	7.179	0	%100
111	M74	X	-4.145	-4.145	0	%100
112	M74	Z	7.179	7.179	0	%100
113	M75	X	-4.097	-4.097	0	%100
114	M75	Z	7.096	7.096	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,%]
115	MP1A	X	-4.377	-4.377	0	%100
116	MP1A	Z	7.581	7.581	0	%100
117	MP2A	X	-4.377	-4.377	0	%100
118	MP2A	Z	7.581	7.581	0	%100
119	MP4A	X	-4.377	-4.377	0	%100
120	MP4A	Z	7.581	7.581	0	%100
121	MP5A	X	-4.377	-4.377	0	%100
122	MP5A	Z	7.581	7.581	0	%100
123	MPA	X	-4.377	-4.377	0	%100
124	MPA	Z	7.581	7.581	0	%100
125	MP6A	X	-4.377	-4.377	0	%100
126	MP6A	Z	7.581	7.581	0	%100
127	MP1C	X	-4.377	-4.377	0	%100
128	MP1C	Z	7.581	7.581	0	%100
129	MP1B	X	-4.377	-4.377	0	%100
130	MP1B	Z	7.581	7.581	0	%100
131	MPC	X	-4.377	-4.377	0	%100
132	MPC	Z	7.581	7.581	0	%100
133	MP2C	X	-4.377	-4.377	0	%100
134	MP2C	Z	7.581	7.581	0	%100
135	MP5C	X	-4.377	-4.377	0	%100
136	MP5C	Z	7.581	7.581	0	%100
137	MP6C	X	-4.377	-4.377	0	%100
138	MP6C	Z	7.581	7.581	0	%100
139	MPB	X	-4.377	-4.377	0	%100
140	MPB	Z	7.581	7.581	0	%100
141	MPB2	X	-4.377	-4.377	0	%100
142	MPB2	Z	7.581	7.581	0	%100
143	MP5B	X	-4.377	-4.377	0	%100
144	MP5B	Z	7.581	7.581	0	%100
145	MP4C	X	-4.377	-4.377	0	%100
146	MP4C	Z	7.581	7.581	0	%100
147	MP3C	X	-4.377	-4.377	0	%100
148	MP3C	Z	7.581	7.581	0	%100
149	M146	X	-6.911	-6.911	0	%100
150	M146	Z	11.97	11.97	0	%100
151	M147	X	-6.911	-6.911	0	%100
152	M147	Z	11.97	11.97	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	-6.911	-6.911	0	%100
158	M162	Z	11.97	11.97	0	%100
159	M163	X	-6.911	-6.911	0	%100
160	M163	Z	11.97	11.97	0	%100
161	MP3A	X	-4.377	-4.377	0	%100
162	MP3A	Z	7.581	7.581	0	%100
163	MP4B	X	-4.377	-4.377	0	%100
164	MP4B	Z	7.581	7.581	0	%100
165	MP6B	X	-4.377	-4.377	0	%100
166	MP6B	Z	7.581	7.581	0	%100
167	MP3B	X	-4.377	-4.377	0	%100
168	MP3B	Z	7.581	7.581	0	%100
169	M163A	X	-4.377	-4.377	0	%100
170	M163A	Z	7.581	7.581	0	%100
171	M166	X	-6.69	-6.69	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,%]
172	M166	Z	1.195	1.195	0	%100
173	M169A	X	-.69	-.69	0	%100
174	M169A	Z	1.195	1.195	0	%100
175	MP2B	X	-4.377	-4.377	0	%100
176	MP2B	Z	7.581	7.581	0	%100
177	M173A	X	-2.76	-2.76	0	%100
178	M173A	Z	4.781	4.781	0	%100
179	M176	X	-2.76	-2.76	0	%100
180	M176	Z	4.781	4.781	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	-3.99	-3.99	0	%100
2	M1	Z	2.304	2.304	0	%100
3	M2	X	-3.99	-3.99	0	%100
4	M2	Z	2.304	2.304	0	%100
5	M3	X	-7.689	-7.689	0	%100
6	M3	Z	4.439	4.439	0	%100
7	M4	X	-7.69	-7.69	0	%100
8	M4	Z	4.44	4.44	0	%100
9	M5	X	-7.633	-7.633	0	%100
10	M5	Z	4.407	4.407	0	%100
11	M6	X	-2.793	-2.793	0	%100
12	M6	Z	1.613	1.613	0	%100
13	M7	X	-2.793	-2.793	0	%100
14	M7	Z	1.613	1.613	0	%100
15	M8	X	-11.172	-11.172	0	%100
16	M8	Z	6.45	6.45	0	%100
17	M9	X	-11.172	-11.172	0	%100
18	M9	Z	6.45	6.45	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-8.867	-8.867	0	%100
24	M12	Z	5.119	5.119	0	%100
25	M13	X	-8.867	-8.867	0	%100
26	M13	Z	5.119	5.119	0	%100
27	M14	X	-8.867	-8.867	0	%100
28	M14	Z	5.119	5.119	0	%100
29	M15	X	-4.852	-4.852	0	%100
30	M15	Z	2.801	2.801	0	%100
31	M16	X	-4.825	-4.825	0	%100
32	M16	Z	2.786	2.786	0	%100
33	M17	X	-8.867	-8.867	0	%100
34	M17	Z	5.119	5.119	0	%100
35	M18	X	-15.96	-15.96	0	%100
36	M18	Z	9.215	9.215	0	%100
37	M19	X	-15.96	-15.96	0	%100
38	M19	Z	9.215	9.215	0	%100
39	M20	X	-2.793	-2.793	0	%100
40	M20	Z	1.613	1.613	0	%100
41	M21	X	-2.793	-2.793	0	%100
42	M21	Z	1.613	1.613	0	%100
43	M22	X	-13.433	-13.433	0	%100
44	M22	Z	7.756	7.756	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,%]
45	M23	X	-13.433	-13.433	0	%100
46	M23	Z	7.756	7.756	0	%100
47	M24	X	-8.867	-8.867	0	%100
48	M24	Z	5.119	5.119	0	%100
49	M25	X	-8.867	-8.867	0	%100
50	M25	Z	5.119	5.119	0	%100
51	M26	X	-8.737	-8.737	0	%100
52	M26	Z	5.044	5.044	0	%100
53	M27	X	-8.74	-8.74	0	%100
54	M27	Z	5.046	5.046	0	%100
55	M28	X	-8.867	-8.867	0	%100
56	M28	Z	5.119	5.119	0	%100
57	M29	X	-3.99	-3.99	0	%100
58	M29	Z	2.304	2.304	0	%100
59	M30	X	-3.99	-3.99	0	%100
60	M30	Z	2.304	2.304	0	%100
61	M31	X	-13.433	-13.433	0	%100
62	M31	Z	7.756	7.756	0	%100
63	M32	X	-13.433	-13.433	0	%100
64	M32	Z	7.756	7.756	0	%100
65	M33	X	-8.867	-8.867	0	%100
66	M33	Z	5.119	5.119	0	%100
67	M34	X	-8.867	-8.867	0	%100
68	M34	Z	5.119	5.119	0	%100
69	M35	X	-8.737	-8.737	0	%100
70	M35	Z	5.044	5.044	0	%100
71	M36	X	-8.74	-8.74	0	%100
72	M36	Z	5.046	5.046	0	%100
73	M37	X	-14.32	-14.32	0	%100
74	M37	Z	8.268	8.268	0	%100
75	M38	X	-3.58	-3.58	0	%100
76	M38	Z	2.067	2.067	0	%100
77	M39	X	-3.58	-3.58	0	%100
78	M39	Z	2.067	2.067	0	%100
79	M49	X	-14.32	-14.32	0	%100
80	M49	Z	8.268	8.268	0	%100
81	M50	X	-3.58	-3.58	0	%100
82	M50	Z	2.067	2.067	0	%100
83	M51	X	-3.58	-3.58	0	%100
84	M51	Z	2.067	2.067	0	%100
85	M61	X	-7.689	-7.689	0	%100
86	M61	Z	4.439	4.439	0	%100
87	M62	X	-7.69	-7.69	0	%100
88	M62	Z	4.44	4.44	0	%100
89	M63	X	-7.633	-7.633	0	%100
90	M63	Z	4.407	4.407	0	%100
91	M64	X	-9.222	-9.222	0	%100
92	M64	Z	5.324	5.324	0	%100
93	M65	X	-9.221	-9.221	0	%100
94	M65	Z	5.324	5.324	0	%100
95	M66	X	-9.243	-9.243	0	%100
96	M66	Z	5.336	5.336	0	%100
97	M67	X	-9.222	-9.222	0	%100
98	M67	Z	5.324	5.324	0	%100
99	M68	X	-9.221	-9.221	0	%100
100	M68	Z	5.324	5.324	0	%100
101	M69	X	-9.243	-9.243	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,%]
102	M69	Z	5.336	5.336	0	%100
103	M70	X	-7.689	-7.689	0	%100
104	M70	Z	4.439	4.439	0	%100
105	M71	X	-7.69	-7.69	0	%100
106	M71	Z	4.44	4.44	0	%100
107	M72	X	-7.633	-7.633	0	%100
108	M72	Z	4.407	4.407	0	%100
109	M73	X	-7.689	-7.689	0	%100
110	M73	Z	4.439	4.439	0	%100
111	M74	X	-7.69	-7.69	0	%100
112	M74	Z	4.44	4.44	0	%100
113	M75	X	-7.633	-7.633	0	%100
114	M75	Z	4.407	4.407	0	%100
115	MP1A	X	-7.581	-7.581	0	%100
116	MP1A	Z	4.377	4.377	0	%100
117	MP2A	X	-7.581	-7.581	0	%100
118	MP2A	Z	4.377	4.377	0	%100
119	MP4A	X	-7.581	-7.581	0	%100
120	MP4A	Z	4.377	4.377	0	%100
121	MP5A	X	-7.581	-7.581	0	%100
122	MP5A	Z	4.377	4.377	0	%100
123	MPA	X	-7.581	-7.581	0	%100
124	MPA	Z	4.377	4.377	0	%100
125	MP6A	X	-7.581	-7.581	0	%100
126	MP6A	Z	4.377	4.377	0	%100
127	MP1C	X	-7.581	-7.581	0	%100
128	MP1C	Z	4.377	4.377	0	%100
129	MP1B	X	-7.581	-7.581	0	%100
130	MP1B	Z	4.377	4.377	0	%100
131	MPC	X	-7.581	-7.581	0	%100
132	MPC	Z	4.377	4.377	0	%100
133	MP2C	X	-7.581	-7.581	0	%100
134	MP2C	Z	4.377	4.377	0	%100
135	MP5C	X	-7.581	-7.581	0	%100
136	MP5C	Z	4.377	4.377	0	%100
137	MP6C	X	-7.581	-7.581	0	%100
138	MP6C	Z	4.377	4.377	0	%100
139	MPB	X	-7.581	-7.581	0	%100
140	MPB	Z	4.377	4.377	0	%100
141	MPB2	X	-7.581	-7.581	0	%100
142	MPB2	Z	4.377	4.377	0	%100
143	MP5B	X	-7.581	-7.581	0	%100
144	MP5B	Z	4.377	4.377	0	%100
145	MP4C	X	-7.581	-7.581	0	%100
146	MP4C	Z	4.377	4.377	0	%100
147	MP3C	X	-7.581	-7.581	0	%100
148	MP3C	Z	4.377	4.377	0	%100
149	M146	X	-15.96	-15.96	0	%100
150	M146	Z	9.215	9.215	0	%100
151	M147	X	-15.96	-15.96	0	%100
152	M147	Z	9.215	9.215	0	%100
153	M154	X	-3.99	-3.99	0	%100
154	M154	Z	2.304	2.304	0	%100
155	M155	X	-3.99	-3.99	0	%100
156	M155	Z	2.304	2.304	0	%100
157	M162	X	-3.99	-3.99	0	%100
158	M162	Z	2.304	2.304	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, %]
159	M163	X	-3.99	-3.99	0	%100
160	M163	Z	2.304	2.304	0	%100
161	MP3A	X	-7.581	-7.581	0	%100
162	MP3A	Z	4.377	4.377	0	%100
163	MP4B	X	-7.581	-7.581	0	%100
164	MP4B	Z	4.377	4.377	0	%100
165	MP6B	X	-7.581	-7.581	0	%100
166	MP6B	Z	4.377	4.377	0	%100
167	MP3B	X	-7.581	-7.581	0	%100
168	MP3B	Z	4.377	4.377	0	%100
169	M163A	X	-7.581	-7.581	0	%100
170	M163A	Z	4.377	4.377	0	%100
171	M166	X	-3.586	-3.586	0	%100
172	M166	Z	2.07	2.07	0	%100
173	M169A	X	-3.586	-3.586	0	%100
174	M169A	Z	2.07	2.07	0	%100
175	MP2B	X	-7.581	-7.581	0	%100
176	MP2B	Z	4.377	4.377	0	%100
177	M173A	X	-3.586	-3.586	0	%100
178	M173A	Z	2.07	2.07	0	%100
179	M176	X	-3.586	-3.586	0	%100
180	M176	Z	2.07	2.07	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-8.289	-8.289	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-8.29	-8.29	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-8.194	-8.194	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-9.675	-9.675	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-9.675	-9.675	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-9.675	-9.675	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-9.675	-9.675	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-5.17	-5.17	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-5.17	-5.17	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-10.239	-10.239	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-10.239	-10.239	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-10.239	-10.239	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-7.097	-7.097	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-7.079	-7.079	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,%]
32	M16	Z	0	0	0	%100
33	M17	X	-10.239	-10.239	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-13.822	-13.822	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-13.822	-13.822	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-5.17	-5.17	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-5.17	-5.17	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-10.239	-10.239	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	-10.239	-10.239	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-7.097	-7.097	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-7.079	-7.079	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-10.239	-10.239	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-13.822	-13.822	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-13.822	-13.822	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-20.682	-20.682	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-20.682	-20.682	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-10.239	-10.239	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	-10.239	-10.239	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	-11.584	-11.584	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	-11.599	-11.599	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	-12.401	-12.401	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	-12.401	-12.401	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	-12.401	-12.401	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	0	0	0	%100
83	M51	X	-12.401	-12.401	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	-8.289	-8.289	0	%100
86	M61	Z	0	0	0	%100
87	M62	X	-8.29	-8.29	0	%100
88	M62	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,%]
89	M63	X	-8.194	-8.194	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-10.058	-10.058	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	-10.059	-10.059	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	-10.053	-10.053	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	-10.058	-10.058	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	-10.059	-10.059	0	%100
100	M68	Z	0	0	0	%100
101	M69	X	-10.053	-10.053	0	%100
102	M69	Z	0	0	0	%100
103	M70	X	-10.058	-10.058	0	%100
104	M70	Z	0	0	0	%100
105	M71	X	-10.059	-10.059	0	%100
106	M71	Z	0	0	0	%100
107	M72	X	-10.053	-10.053	0	%100
108	M72	Z	0	0	0	%100
109	M73	X	-10.058	-10.058	0	%100
110	M73	Z	0	0	0	%100
111	M74	X	-10.059	-10.059	0	%100
112	M74	Z	0	0	0	%100
113	M75	X	-10.053	-10.053	0	%100
114	M75	Z	0	0	0	%100
115	MP1A	X	-8.754	-8.754	0	%100
116	MP1A	Z	0	0	0	%100
117	MP2A	X	-8.754	-8.754	0	%100
118	MP2A	Z	0	0	0	%100
119	MP4A	X	-8.754	-8.754	0	%100
120	MP4A	Z	0	0	0	%100
121	MP5A	X	-8.754	-8.754	0	%100
122	MP5A	Z	0	0	0	%100
123	MPA	X	-8.754	-8.754	0	%100
124	MPA	Z	0	0	0	%100
125	MP6A	X	-8.754	-8.754	0	%100
126	MP6A	Z	0	0	0	%100
127	MP1C	X	-8.754	-8.754	0	%100
128	MP1C	Z	0	0	0	%100
129	MP1B	X	-8.754	-8.754	0	%100
130	MP1B	Z	0	0	0	%100
131	MPC	X	-8.754	-8.754	0	%100
132	MPC	Z	0	0	0	%100
133	MP2C	X	-8.754	-8.754	0	%100
134	MP2C	Z	0	0	0	%100
135	MP5C	X	-8.754	-8.754	0	%100
136	MP5C	Z	0	0	0	%100
137	MP6C	X	-8.754	-8.754	0	%100
138	MP6C	Z	0	0	0	%100
139	MPB	X	-8.754	-8.754	0	%100
140	MPB	Z	0	0	0	%100
141	MPB2	X	-8.754	-8.754	0	%100
142	MPB2	Z	0	0	0	%100
143	MP5B	X	-8.754	-8.754	0	%100
144	MP5B	Z	0	0	0	%100
145	MP4C	X	-8.754	-8.754	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,%]
146	MP4C	Z	0	0	0	%100
147	MP3C	X	-8.754	-8.754	0	%100
148	MP3C	Z	0	0	0	%100
149	M146	X	-13.822	-13.822	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	-13.822	-13.822	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	-13.822	-13.822	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	-13.822	-13.822	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	0	0	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	0	0	0	%100
161	MP3A	X	-8.754	-8.754	0	%100
162	MP3A	Z	0	0	0	%100
163	MP4B	X	-8.754	-8.754	0	%100
164	MP4B	Z	0	0	0	%100
165	MP6B	X	-8.754	-8.754	0	%100
166	MP6B	Z	0	0	0	%100
167	MP3B	X	-8.754	-8.754	0	%100
168	MP3B	Z	0	0	0	%100
169	M163A	X	-8.754	-8.754	0	%100
170	M163A	Z	0	0	0	%100
171	M166	X	-5.52	-5.52	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	-5.52	-5.52	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	-8.754	-8.754	0	%100
176	MP2B	Z	0	0	0	%100
177	M173A	X	-1.38	-1.38	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	-1.38	-1.38	0	%100
180	M176	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	-3.99	-3.99	0	%100
2	M1	Z	-2.304	-2.304	0	%100
3	M2	X	-3.99	-3.99	0	%100
4	M2	Z	-2.304	-2.304	0	%100
5	M3	X	-7.689	-7.689	0	%100
6	M3	Z	-4.439	-4.439	0	%100
7	M4	X	-7.69	-7.69	0	%100
8	M4	Z	-4.44	-4.44	0	%100
9	M5	X	-7.633	-7.633	0	%100
10	M5	Z	-4.407	-4.407	0	%100
11	M6	X	-11.172	-11.172	0	%100
12	M6	Z	-6.45	-6.45	0	%100
13	M7	X	-11.172	-11.172	0	%100
14	M7	Z	-6.45	-6.45	0	%100
15	M8	X	-2.793	-2.793	0	%100
16	M8	Z	-1.613	-1.613	0	%100
17	M9	X	-2.793	-2.793	0	%100
18	M9	Z	-1.613	-1.613	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,%]
19	M10	X	-13.433	-13.433	0	%100
20	M10	Z	-7.756	-7.756	0	%100
21	M11	X	-13.433	-13.433	0	%100
22	M11	Z	-7.756	-7.756	0	%100
23	M12	X	-8.867	-8.867	0	%100
24	M12	Z	-5.119	-5.119	0	%100
25	M13	X	-8.867	-8.867	0	%100
26	M13	Z	-5.119	-5.119	0	%100
27	M14	X	-8.867	-8.867	0	%100
28	M14	Z	-5.119	-5.119	0	%100
29	M15	X	-8.737	-8.737	0	%100
30	M15	Z	-5.044	-5.044	0	%100
31	M16	X	-8.74	-8.74	0	%100
32	M16	Z	-5.046	-5.046	0	%100
33	M17	X	-8.867	-8.867	0	%100
34	M17	Z	-5.119	-5.119	0	%100
35	M18	X	-3.99	-3.99	0	%100
36	M18	Z	-2.304	-2.304	0	%100
37	M19	X	-3.99	-3.99	0	%100
38	M19	Z	-2.304	-2.304	0	%100
39	M20	X	-2.793	-2.793	0	%100
40	M20	Z	-1.613	-1.613	0	%100
41	M21	X	-2.793	-2.793	0	%100
42	M21	Z	-1.613	-1.613	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-8.867	-8.867	0	%100
48	M24	Z	-5.119	-5.119	0	%100
49	M25	X	-8.867	-8.867	0	%100
50	M25	Z	-5.119	-5.119	0	%100
51	M26	X	-4.852	-4.852	0	%100
52	M26	Z	-2.801	-2.801	0	%100
53	M27	X	-4.825	-4.825	0	%100
54	M27	Z	-2.786	-2.786	0	%100
55	M28	X	-8.867	-8.867	0	%100
56	M28	Z	-5.119	-5.119	0	%100
57	M29	X	-15.96	-15.96	0	%100
58	M29	Z	-9.215	-9.215	0	%100
59	M30	X	-15.96	-15.96	0	%100
60	M30	Z	-9.215	-9.215	0	%100
61	M31	X	-13.433	-13.433	0	%100
62	M31	Z	-7.756	-7.756	0	%100
63	M32	X	-13.433	-13.433	0	%100
64	M32	Z	-7.756	-7.756	0	%100
65	M33	X	-8.867	-8.867	0	%100
66	M33	Z	-5.119	-5.119	0	%100
67	M34	X	-8.867	-8.867	0	%100
68	M34	Z	-5.119	-5.119	0	%100
69	M35	X	-8.737	-8.737	0	%100
70	M35	Z	-5.044	-5.044	0	%100
71	M36	X	-8.74	-8.74	0	%100
72	M36	Z	-5.046	-5.046	0	%100
73	M37	X	-3.58	-3.58	0	%100
74	M37	Z	-2.067	-2.067	0	%100
75	M38	X	-3.58	-3.58	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,%]
76	M38	Z	-2.067	-2.067	0	%100
77	M39	X	-14.32	-14.32	0	%100
78	M39	Z	-8.268	-8.268	0	%100
79	M49	X	-3.58	-3.58	0	%100
80	M49	Z	-2.067	-2.067	0	%100
81	M50	X	-3.58	-3.58	0	%100
82	M50	Z	-2.067	-2.067	0	%100
83	M51	X	-14.32	-14.32	0	%100
84	M51	Z	-8.268	-8.268	0	%100
85	M61	X	-7.689	-7.689	0	%100
86	M61	Z	-4.439	-4.439	0	%100
87	M62	X	-7.69	-7.69	0	%100
88	M62	Z	-4.44	-4.44	0	%100
89	M63	X	-7.633	-7.633	0	%100
90	M63	Z	-4.407	-4.407	0	%100
91	M64	X	-7.689	-7.689	0	%100
92	M64	Z	-4.439	-4.439	0	%100
93	M65	X	-7.69	-7.69	0	%100
94	M65	Z	-4.44	-4.44	0	%100
95	M66	X	-7.633	-7.633	0	%100
96	M66	Z	-4.407	-4.407	0	%100
97	M67	X	-7.689	-7.689	0	%100
98	M67	Z	-4.439	-4.439	0	%100
99	M68	X	-7.69	-7.69	0	%100
100	M68	Z	-4.44	-4.44	0	%100
101	M69	X	-7.633	-7.633	0	%100
102	M69	Z	-4.407	-4.407	0	%100
103	M70	X	-9.222	-9.222	0	%100
104	M70	Z	-5.324	-5.324	0	%100
105	M71	X	-9.221	-9.221	0	%100
106	M71	Z	-5.324	-5.324	0	%100
107	M72	X	-9.243	-9.243	0	%100
108	M72	Z	-5.336	-5.336	0	%100
109	M73	X	-9.222	-9.222	0	%100
110	M73	Z	-5.324	-5.324	0	%100
111	M74	X	-9.221	-9.221	0	%100
112	M74	Z	-5.324	-5.324	0	%100
113	M75	X	-9.243	-9.243	0	%100
114	M75	Z	-5.336	-5.336	0	%100
115	MP1A	X	-7.581	-7.581	0	%100
116	MP1A	Z	-4.377	-4.377	0	%100
117	MP2A	X	-7.581	-7.581	0	%100
118	MP2A	Z	-4.377	-4.377	0	%100
119	MP4A	X	-7.581	-7.581	0	%100
120	MP4A	Z	-4.377	-4.377	0	%100
121	MP5A	X	-7.581	-7.581	0	%100
122	MP5A	Z	-4.377	-4.377	0	%100
123	MPA	X	-7.581	-7.581	0	%100
124	MPA	Z	-4.377	-4.377	0	%100
125	MP6A	X	-7.581	-7.581	0	%100
126	MP6A	Z	-4.377	-4.377	0	%100
127	MP1C	X	-7.581	-7.581	0	%100
128	MP1C	Z	-4.377	-4.377	0	%100
129	MP1B	X	-7.581	-7.581	0	%100
130	MP1B	Z	-4.377	-4.377	0	%100
131	MPC	X	-7.581	-7.581	0	%100
132	MPC	Z	-4.377	-4.377	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,%]
133	MP2C	X	-7.581	-7.581	0	%100
134	MP2C	Z	-4.377	-4.377	0	%100
135	MP5C	X	-7.581	-7.581	0	%100
136	MP5C	Z	-4.377	-4.377	0	%100
137	MP6C	X	-7.581	-7.581	0	%100
138	MP6C	Z	-4.377	-4.377	0	%100
139	MPB	X	-7.581	-7.581	0	%100
140	MPB	Z	-4.377	-4.377	0	%100
141	MPB2	X	-7.581	-7.581	0	%100
142	MPB2	Z	-4.377	-4.377	0	%100
143	MP5B	X	-7.581	-7.581	0	%100
144	MP5B	Z	-4.377	-4.377	0	%100
145	MP4C	X	-7.581	-7.581	0	%100
146	MP4C	Z	-4.377	-4.377	0	%100
147	MP3C	X	-7.581	-7.581	0	%100
148	MP3C	Z	-4.377	-4.377	0	%100
149	M146	X	-3.99	-3.99	0	%100
150	M146	Z	-2.304	-2.304	0	%100
151	M147	X	-3.99	-3.99	0	%100
152	M147	Z	-2.304	-2.304	0	%100
153	M154	X	-15.96	-15.96	0	%100
154	M154	Z	-9.215	-9.215	0	%100
155	M155	X	-15.96	-15.96	0	%100
156	M155	Z	-9.215	-9.215	0	%100
157	M162	X	-3.99	-3.99	0	%100
158	M162	Z	-2.304	-2.304	0	%100
159	M163	X	-3.99	-3.99	0	%100
160	M163	Z	-2.304	-2.304	0	%100
161	MP3A	X	-7.581	-7.581	0	%100
162	MP3A	Z	-4.377	-4.377	0	%100
163	MP4B	X	-7.581	-7.581	0	%100
164	MP4B	Z	-4.377	-4.377	0	%100
165	MP6B	X	-7.581	-7.581	0	%100
166	MP6B	Z	-4.377	-4.377	0	%100
167	MP3B	X	-7.581	-7.581	0	%100
168	MP3B	Z	-4.377	-4.377	0	%100
169	M163A	X	-7.581	-7.581	0	%100
170	M163A	Z	-4.377	-4.377	0	%100
171	M166	X	-3.586	-3.586	0	%100
172	M166	Z	-2.07	-2.07	0	%100
173	M169A	X	-3.586	-3.586	0	%100
174	M169A	Z	-2.07	-2.07	0	%100
175	MP2B	X	-7.581	-7.581	0	%100
176	MP2B	Z	-4.377	-4.377	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	0	0	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	-6.911	-6.911	0	%100
2	M1	Z	-11.97	-11.97	0	%100
3	M2	X	-6.911	-6.911	0	%100
4	M2	Z	-11.97	-11.97	0	%100
5	M3	X	-5.029	-5.029	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,%]
6	M3	Z	-8.711	-8.711	0	%100
7	M4	X	-5.029	-5.029	0	%100
8	M4	Z	-8.711	-8.711	0	%100
9	M5	X	-5.026	-5.026	0	%100
10	M5	Z	-8.706	-8.706	0	%100
11	M6	X	-4.838	-4.838	0	%100
12	M6	Z	-8.379	-8.379	0	%100
13	M7	X	-4.838	-4.838	0	%100
14	M7	Z	-8.379	-8.379	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-10.341	-10.341	0	%100
20	M10	Z	-17.911	-17.911	0	%100
21	M11	X	-10.341	-10.341	0	%100
22	M11	Z	-17.911	-17.911	0	%100
23	M12	X	-5.119	-5.119	0	%100
24	M12	Z	-8.867	-8.867	0	%100
25	M13	X	-5.119	-5.119	0	%100
26	M13	Z	-8.867	-8.867	0	%100
27	M14	X	-5.119	-5.119	0	%100
28	M14	Z	-8.867	-8.867	0	%100
29	M15	X	-5.792	-5.792	0	%100
30	M15	Z	-10.032	-10.032	0	%100
31	M16	X	-5.799	-5.799	0	%100
32	M16	Z	-10.045	-10.045	0	%100
33	M17	X	-5.119	-5.119	0	%100
34	M17	Z	-8.867	-8.867	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-4.838	-4.838	0	%100
40	M20	Z	-8.379	-8.379	0	%100
41	M21	X	-4.838	-4.838	0	%100
42	M21	Z	-8.379	-8.379	0	%100
43	M22	X	-2.585	-2.585	0	%100
44	M22	Z	-4.478	-4.478	0	%100
45	M23	X	-2.585	-2.585	0	%100
46	M23	Z	-4.478	-4.478	0	%100
47	M24	X	-5.119	-5.119	0	%100
48	M24	Z	-8.867	-8.867	0	%100
49	M25	X	-5.119	-5.119	0	%100
50	M25	Z	-8.867	-8.867	0	%100
51	M26	X	-3.549	-3.549	0	%100
52	M26	Z	-6.147	-6.147	0	%100
53	M27	X	-3.539	-3.539	0	%100
54	M27	Z	-6.13	-6.13	0	%100
55	M28	X	-5.119	-5.119	0	%100
56	M28	Z	-8.867	-8.867	0	%100
57	M29	X	-6.911	-6.911	0	%100
58	M29	Z	-11.97	-11.97	0	%100
59	M30	X	-6.911	-6.911	0	%100
60	M30	Z	-11.97	-11.97	0	%100
61	M31	X	-2.585	-2.585	0	%100
62	M31	Z	-4.478	-4.478	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,%]
63	M32	X	-2.585	-2.585	0	%100
64	M32	Z	-4.478	-4.478	0	%100
65	M33	X	-5.119	-5.119	0	%100
66	M33	Z	-8.867	-8.867	0	%100
67	M34	X	-5.119	-5.119	0	%100
68	M34	Z	-8.867	-8.867	0	%100
69	M35	X	-3.549	-3.549	0	%100
70	M35	Z	-6.147	-6.147	0	%100
71	M36	X	-3.539	-3.539	0	%100
72	M36	Z	-6.13	-6.13	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	-6.201	-6.201	0	%100
76	M38	Z	-10.74	-10.74	0	%100
77	M39	X	-6.201	-6.201	0	%100
78	M39	Z	-10.74	-10.74	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	-6.201	-6.201	0	%100
82	M50	Z	-10.74	-10.74	0	%100
83	M51	X	-6.201	-6.201	0	%100
84	M51	Z	-10.74	-10.74	0	%100
85	M61	X	-5.029	-5.029	0	%100
86	M61	Z	-8.711	-8.711	0	%100
87	M62	X	-5.029	-5.029	0	%100
88	M62	Z	-8.711	-8.711	0	%100
89	M63	X	-5.026	-5.026	0	%100
90	M63	Z	-8.706	-8.706	0	%100
91	M64	X	-4.145	-4.145	0	%100
92	M64	Z	-7.179	-7.179	0	%100
93	M65	X	-4.145	-4.145	0	%100
94	M65	Z	-7.179	-7.179	0	%100
95	M66	X	-4.097	-4.097	0	%100
96	M66	Z	-7.096	-7.096	0	%100
97	M67	X	-4.145	-4.145	0	%100
98	M67	Z	-7.179	-7.179	0	%100
99	M68	X	-4.145	-4.145	0	%100
100	M68	Z	-7.179	-7.179	0	%100
101	M69	X	-4.097	-4.097	0	%100
102	M69	Z	-7.096	-7.096	0	%100
103	M70	X	-5.029	-5.029	0	%100
104	M70	Z	-8.711	-8.711	0	%100
105	M71	X	-5.029	-5.029	0	%100
106	M71	Z	-8.711	-8.711	0	%100
107	M72	X	-5.026	-5.026	0	%100
108	M72	Z	-8.706	-8.706	0	%100
109	M73	X	-5.029	-5.029	0	%100
110	M73	Z	-8.711	-8.711	0	%100
111	M74	X	-5.029	-5.029	0	%100
112	M74	Z	-8.711	-8.711	0	%100
113	M75	X	-5.026	-5.026	0	%100
114	M75	Z	-8.706	-8.706	0	%100
115	MP1A	X	-4.377	-4.377	0	%100
116	MP1A	Z	-7.581	-7.581	0	%100
117	MP2A	X	-4.377	-4.377	0	%100
118	MP2A	Z	-7.581	-7.581	0	%100
119	MP4A	X	-4.377	-4.377	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,%]
120	MP4A	Z	-7.581	-7.581	0	%100
121	MP5A	X	-4.377	-4.377	0	%100
122	MP5A	Z	-7.581	-7.581	0	%100
123	MPA	X	-4.377	-4.377	0	%100
124	MPA	Z	-7.581	-7.581	0	%100
125	MP6A	X	-4.377	-4.377	0	%100
126	MP6A	Z	-7.581	-7.581	0	%100
127	MP1C	X	-4.377	-4.377	0	%100
128	MP1C	Z	-7.581	-7.581	0	%100
129	MP1B	X	-4.377	-4.377	0	%100
130	MP1B	Z	-7.581	-7.581	0	%100
131	MPC	X	-4.377	-4.377	0	%100
132	MPC	Z	-7.581	-7.581	0	%100
133	MP2C	X	-4.377	-4.377	0	%100
134	MP2C	Z	-7.581	-7.581	0	%100
135	MP5C	X	-4.377	-4.377	0	%100
136	MP5C	Z	-7.581	-7.581	0	%100
137	MP6C	X	-4.377	-4.377	0	%100
138	MP6C	Z	-7.581	-7.581	0	%100
139	MPB	X	-4.377	-4.377	0	%100
140	MPB	Z	-7.581	-7.581	0	%100
141	MPB2	X	-4.377	-4.377	0	%100
142	MPB2	Z	-7.581	-7.581	0	%100
143	MP5B	X	-4.377	-4.377	0	%100
144	MP5B	Z	-7.581	-7.581	0	%100
145	MP4C	X	-4.377	-4.377	0	%100
146	MP4C	Z	-7.581	-7.581	0	%100
147	MP3C	X	-4.377	-4.377	0	%100
148	MP3C	Z	-7.581	-7.581	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	-6.911	-6.911	0	%100
154	M154	Z	-11.97	-11.97	0	%100
155	M155	X	-6.911	-6.911	0	%100
156	M155	Z	-11.97	-11.97	0	%100
157	M162	X	-6.911	-6.911	0	%100
158	M162	Z	-11.97	-11.97	0	%100
159	M163	X	-6.911	-6.911	0	%100
160	M163	Z	-11.97	-11.97	0	%100
161	MP3A	X	-4.377	-4.377	0	%100
162	MP3A	Z	-7.581	-7.581	0	%100
163	MP4B	X	-4.377	-4.377	0	%100
164	MP4B	Z	-7.581	-7.581	0	%100
165	MP6B	X	-4.377	-4.377	0	%100
166	MP6B	Z	-7.581	-7.581	0	%100
167	MP3B	X	-4.377	-4.377	0	%100
168	MP3B	Z	-7.581	-7.581	0	%100
169	M163A	X	-4.377	-4.377	0	%100
170	M163A	Z	-7.581	-7.581	0	%100
171	M166	X	-.69	-.69	0	%100
172	M166	Z	-1.195	-1.195	0	%100
173	M169A	X	-.69	-.69	0	%100
174	M169A	Z	-1.195	-1.195	0	%100
175	MP2B	X	-4.377	-4.377	0	%100
176	MP2B	Z	-7.581	-7.581	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,%]
177	M173A	X	-0.69	-0.69	0	%100
178	M173A	Z	-1.195	-1.195	0	%100
179	M176	X	-0.69	-0.69	0	%100
180	M176	Z	-1.195	-1.195	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	-5.397	-5.397	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-5.397	-5.397	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-3.441	-3.441	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-3.441	-3.441	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-3.448	-3.448	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	-0.882	-0.882	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-0.882	-0.882	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-0.882	-0.882	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-0.882	-0.882	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-4.32	-4.32	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-4.32	-4.32	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-3.32	-3.32	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-3.32	-3.32	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-3.32	-3.32	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-3.236	-3.236	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-3.237	-3.237	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-3.32	-3.32	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-1.349	-1.349	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-1.349	-1.349	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-3.528	-3.528	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-3.528	-3.528	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-4.32	-4.32	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-4.32	-4.32	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-3.32	-3.32	0	%100
49	M25	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,%]
50	M25	Z	-3.32	-3.32	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-3.236	-3.236	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-3.237	-3.237	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-3.32	-3.32	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-1.349	-1.349	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-1.349	-1.349	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-3.32	-3.32	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	-3.32	-3.32	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	-1.797	-1.797	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	-1.787	-1.787	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	-1.188	-1.188	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	-4.751	-4.751	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	-1.188	-1.188	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	-1.188	-1.188	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	-4.751	-4.751	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	-1.188	-1.188	0	%100
85	M61	X	0	0	0	%100
86	M61	Z	-3.441	-3.441	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	-3.441	-3.441	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	-3.448	-3.448	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	-2.869	-2.869	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	-2.869	-2.869	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-2.847	-2.847	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	-2.869	-2.869	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	-2.869	-2.869	0	%100
101	M69	X	0	0	0	%100
102	M69	Z	-2.847	-2.847	0	%100
103	M70	X	0	0	0	%100
104	M70	Z	-2.869	-2.869	0	%100
105	M71	X	0	0	0	%100
106	M71	Z	-2.869	-2.869	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, %]
107	M72	X	0	0	0	%100
108	M72	Z	-2.847	-2.847	0	%100
109	M73	X	0	0	0	%100
110	M73	Z	-2.869	-2.869	0	%100
111	M74	X	0	0	0	%100
112	M74	Z	-2.869	-2.869	0	%100
113	M75	X	0	0	0	%100
114	M75	Z	-2.847	-2.847	0	%100
115	MP1A	X	0	0	0	%100
116	MP1A	Z	-3.689	-3.689	0	%100
117	MP2A	X	0	0	0	%100
118	MP2A	Z	-3.564	-3.564	0	%100
119	MP4A	X	0	0	0	%100
120	MP4A	Z	-3.689	-3.689	0	%100
121	MP5A	X	0	0	0	%100
122	MP5A	Z	-3.689	-3.689	0	%100
123	MPA	X	0	0	0	%100
124	MPA	Z	-3.564	-3.564	0	%100
125	MP6A	X	0	0	0	%100
126	MP6A	Z	-3.689	-3.689	0	%100
127	MP1C	X	0	0	0	%100
128	MP1C	Z	-3.689	-3.689	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	-3.689	-3.689	0	%100
131	MPC	X	0	0	0	%100
132	MPC	Z	-3.564	-3.564	0	%100
133	MP2C	X	0	0	0	%100
134	MP2C	Z	-3.564	-3.564	0	%100
135	MP5C	X	0	0	0	%100
136	MP5C	Z	-3.689	-3.689	0	%100
137	MP6C	X	0	0	0	%100
138	MP6C	Z	-3.564	-3.564	0	%100
139	MPB	X	0	0	0	%100
140	MPB	Z	-3.564	-3.564	0	%100
141	MPB2	X	0	0	0	%100
142	MPB2	Z	-3.564	-3.564	0	%100
143	MP5B	X	0	0	0	%100
144	MP5B	Z	-3.564	-3.564	0	%100
145	MP4C	X	0	0	0	%100
146	MP4C	Z	-3.689	-3.689	0	%100
147	MP3C	X	0	0	0	%100
148	MP3C	Z	-3.689	-3.689	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	-1.349	-1.349	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	-1.349	-1.349	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	-1.349	-1.349	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	-1.349	-1.349	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	-5.397	-5.397	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	-5.397	-5.397	0	%100
161	MP3A	X	0	0	0	%100
162	MP3A	Z	-3.564	-3.564	0	%100
163	MP4B	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,%]
164	MP4B	Z	-3.689	-3.689	0	%100
165	MP6B	X	0	0	0	%100
166	MP6B	Z	-3.564	-3.564	0	%100
167	MP3B	X	0	0	0	%100
168	MP3B	Z	-3.689	-3.689	0	%100
169	M163A	X	0	0	0	%100
170	M163A	Z	-3.564	-3.564	0	%100
171	M166	X	0	0	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	0	0	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	0	0	0	%100
176	MP2B	Z	-3.689	-3.689	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	-1.703	-1.703	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	-1.703	-1.703	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	2.024	2.024	0	%100
2	M1	Z	-3.505	-3.505	0	%100
3	M2	X	2.024	2.024	0	%100
4	M2	Z	-3.505	-3.505	0	%100
5	M3	X	1.625	1.625	0	%100
6	M3	Z	-2.815	-2.815	0	%100
7	M4	X	1.625	1.625	0	%100
8	M4	Z	-2.815	-2.815	0	%100
9	M5	X	1.624	1.624	0	%100
10	M5	Z	-2.812	-2.812	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	1.323	1.323	0	%100
16	M8	Z	-2.291	-2.291	0	%100
17	M9	X	1.323	1.323	0	%100
18	M9	Z	-2.291	-2.291	0	%100
19	M10	X	.72	.72	0	%100
20	M10	Z	-1.247	-1.247	0	%100
21	M11	X	.72	.72	0	%100
22	M11	Z	-1.247	-1.247	0	%100
23	M12	X	1.66	1.66	0	%100
24	M12	Z	-2.875	-2.875	0	%100
25	M13	X	1.66	1.66	0	%100
26	M13	Z	-2.875	-2.875	0	%100
27	M14	X	1.66	1.66	0	%100
28	M14	Z	-2.875	-2.875	0	%100
29	M15	X	1.138	1.138	0	%100
30	M15	Z	-1.972	-1.972	0	%100
31	M16	X	1.135	1.135	0	%100
32	M16	Z	-1.966	-1.966	0	%100
33	M17	X	1.66	1.66	0	%100
34	M17	Z	-2.875	-2.875	0	%100
35	M18	X	2.024	2.024	0	%100
36	M18	Z	-3.505	-3.505	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,%]
37	M19	X	2.024	2.024	0	%100
38	M19	Z	-3.505	-3.505	0	%100
39	M20	X	1.323	1.323	0	%100
40	M20	Z	-2.291	-2.291	0	%100
41	M21	X	1.323	1.323	0	%100
42	M21	Z	-2.291	-2.291	0	%100
43	M22	X	2.88	2.88	0	%100
44	M22	Z	-4.988	-4.988	0	%100
45	M23	X	2.88	2.88	0	%100
46	M23	Z	-4.988	-4.988	0	%100
47	M24	X	1.66	1.66	0	%100
48	M24	Z	-2.875	-2.875	0	%100
49	M25	X	1.66	1.66	0	%100
50	M25	Z	-2.875	-2.875	0	%100
51	M26	X	1.858	1.858	0	%100
52	M26	Z	-3.218	-3.218	0	%100
53	M27	X	1.86	1.86	0	%100
54	M27	Z	-3.222	-3.222	0	%100
55	M28	X	1.66	1.66	0	%100
56	M28	Z	-2.875	-2.875	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	.72	.72	0	%100
62	M31	Z	-1.247	-1.247	0	%100
63	M32	X	.72	.72	0	%100
64	M32	Z	-1.247	-1.247	0	%100
65	M33	X	1.66	1.66	0	%100
66	M33	Z	-2.875	-2.875	0	%100
67	M34	X	1.66	1.66	0	%100
68	M34	Z	-2.875	-2.875	0	%100
69	M35	X	1.138	1.138	0	%100
70	M35	Z	-1.972	-1.972	0	%100
71	M36	X	1.135	1.135	0	%100
72	M36	Z	-1.966	-1.966	0	%100
73	M37	X	1.782	1.782	0	%100
74	M37	Z	-3.086	-3.086	0	%100
75	M38	X	1.782	1.782	0	%100
76	M38	Z	-3.086	-3.086	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	1.782	1.782	0	%100
80	M49	Z	-3.086	-3.086	0	%100
81	M50	X	1.782	1.782	0	%100
82	M50	Z	-3.086	-3.086	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	1.625	1.625	0	%100
86	M61	Z	-2.815	-2.815	0	%100
87	M62	X	1.625	1.625	0	%100
88	M62	Z	-2.815	-2.815	0	%100
89	M63	X	1.624	1.624	0	%100
90	M63	Z	-2.812	-2.812	0	%100
91	M64	X	1.625	1.625	0	%100
92	M64	Z	-2.815	-2.815	0	%100
93	M65	X	1.625	1.625	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,%]
94	M65	Z	-2.815	-2.815	0	%100
95	M66	X	1.624	1.624	0	%100
96	M66	Z	-2.812	-2.812	0	%100
97	M67	X	1.625	1.625	0	%100
98	M67	Z	-2.815	-2.815	0	%100
99	M68	X	1.625	1.625	0	%100
100	M68	Z	-2.815	-2.815	0	%100
101	M69	X	1.624	1.624	0	%100
102	M69	Z	-2.812	-2.812	0	%100
103	M70	X	1.339	1.339	0	%100
104	M70	Z	-2.32	-2.32	0	%100
105	M71	X	1.339	1.339	0	%100
106	M71	Z	-2.32	-2.32	0	%100
107	M72	X	1.324	1.324	0	%100
108	M72	Z	-2.292	-2.292	0	%100
109	M73	X	1.339	1.339	0	%100
110	M73	Z	-2.32	-2.32	0	%100
111	M74	X	1.339	1.339	0	%100
112	M74	Z	-2.32	-2.32	0	%100
113	M75	X	1.324	1.324	0	%100
114	M75	Z	-2.292	-2.292	0	%100
115	MP1A	X	1.844	1.844	0	%100
116	MP1A	Z	-3.195	-3.195	0	%100
117	MP2A	X	1.782	1.782	0	%100
118	MP2A	Z	-3.087	-3.087	0	%100
119	MP4A	X	1.844	1.844	0	%100
120	MP4A	Z	-3.195	-3.195	0	%100
121	MP5A	X	1.844	1.844	0	%100
122	MP5A	Z	-3.195	-3.195	0	%100
123	MPA	X	1.782	1.782	0	%100
124	MPA	Z	-3.087	-3.087	0	%100
125	MP6A	X	1.844	1.844	0	%100
126	MP6A	Z	-3.195	-3.195	0	%100
127	MP1C	X	1.844	1.844	0	%100
128	MP1C	Z	-3.195	-3.195	0	%100
129	MP1B	X	1.844	1.844	0	%100
130	MP1B	Z	-3.195	-3.195	0	%100
131	MPC	X	1.782	1.782	0	%100
132	MPC	Z	-3.087	-3.087	0	%100
133	MP2C	X	1.782	1.782	0	%100
134	MP2C	Z	-3.087	-3.087	0	%100
135	MP5C	X	1.844	1.844	0	%100
136	MP5C	Z	-3.195	-3.195	0	%100
137	MP6C	X	1.782	1.782	0	%100
138	MP6C	Z	-3.087	-3.087	0	%100
139	MPB	X	1.782	1.782	0	%100
140	MPB	Z	-3.087	-3.087	0	%100
141	MPB2	X	1.782	1.782	0	%100
142	MPB2	Z	-3.087	-3.087	0	%100
143	MP5B	X	1.782	1.782	0	%100
144	MP5B	Z	-3.087	-3.087	0	%100
145	MP4C	X	1.844	1.844	0	%100
146	MP4C	Z	-3.195	-3.195	0	%100
147	MP3C	X	1.844	1.844	0	%100
148	MP3C	Z	-3.195	-3.195	0	%100
149	M146	X	2.024	2.024	0	%100
150	M146	Z	-3.505	-3.505	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, %]
151	M147	X	2.024	2.024	0	%100
152	M147	Z	-3.505	-3.505	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	2.024	2.024	0	%100
158	M162	Z	-3.505	-3.505	0	%100
159	M163	X	2.024	2.024	0	%100
160	M163	Z	-3.505	-3.505	0	%100
161	MP3A	X	1.782	1.782	0	%100
162	MP3A	Z	-3.087	-3.087	0	%100
163	MP4B	X	1.844	1.844	0	%100
164	MP4B	Z	-3.195	-3.195	0	%100
165	MP6B	X	1.782	1.782	0	%100
166	MP6B	Z	-3.087	-3.087	0	%100
167	MP3B	X	1.844	1.844	0	%100
168	MP3B	Z	-3.195	-3.195	0	%100
169	M163A	X	1.782	1.782	0	%100
170	M163A	Z	-3.087	-3.087	0	%100
171	M166	X	.284	.284	0	%100
172	M166	Z	-.492	-.492	0	%100
173	M169A	X	.284	.284	0	%100
174	M169A	Z	-.492	-.492	0	%100
175	MP2B	X	1.844	1.844	0	%100
176	MP2B	Z	-3.195	-3.195	0	%100
177	M173A	X	1.135	1.135	0	%100
178	M173A	Z	-1.966	-1.966	0	%100
179	M176	X	1.135	1.135	0	%100
180	M176	Z	-1.966	-1.966	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	1.168	1.168	0	%100
2	M1	Z	-.675	-.675	0	%100
3	M2	X	1.168	1.168	0	%100
4	M2	Z	-.675	-.675	0	%100
5	M3	X	2.485	2.485	0	%100
6	M3	Z	-1.434	-1.434	0	%100
7	M4	X	2.485	2.485	0	%100
8	M4	Z	-1.435	-1.435	0	%100
9	M5	X	2.466	2.466	0	%100
10	M5	Z	-1.424	-1.424	0	%100
11	M6	X	.764	.764	0	%100
12	M6	Z	-.441	-.441	0	%100
13	M7	X	.764	.764	0	%100
14	M7	Z	-.441	-.441	0	%100
15	M8	X	3.055	3.055	0	%100
16	M8	Z	-1.764	-1.764	0	%100
17	M9	X	3.055	3.055	0	%100
18	M9	Z	-1.764	-1.764	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	2.875	2.875	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,%]
24	M12	Z	-1.66	-1.66	0	%100
25	M13	X	2.875	2.875	0	%100
26	M13	Z	-1.66	-1.66	0	%100
27	M14	X	2.875	2.875	0	%100
28	M14	Z	-1.66	-1.66	0	%100
29	M15	X	1.556	1.556	0	%100
30	M15	Z	-899	-899	0	%100
31	M16	X	1.548	1.548	0	%100
32	M16	Z	-894	-894	0	%100
33	M17	X	2.875	2.875	0	%100
34	M17	Z	-1.66	-1.66	0	%100
35	M18	X	4.674	4.674	0	%100
36	M18	Z	-2.698	-2.698	0	%100
37	M19	X	4.674	4.674	0	%100
38	M19	Z	-2.698	-2.698	0	%100
39	M20	X	.764	.764	0	%100
40	M20	Z	-.441	-.441	0	%100
41	M21	X	.764	.764	0	%100
42	M21	Z	-.441	-.441	0	%100
43	M22	X	3.741	3.741	0	%100
44	M22	Z	-2.16	-2.16	0	%100
45	M23	X	3.741	3.741	0	%100
46	M23	Z	-2.16	-2.16	0	%100
47	M24	X	2.875	2.875	0	%100
48	M24	Z	-1.66	-1.66	0	%100
49	M25	X	2.875	2.875	0	%100
50	M25	Z	-1.66	-1.66	0	%100
51	M26	X	2.803	2.803	0	%100
52	M26	Z	-1.618	-1.618	0	%100
53	M27	X	2.803	2.803	0	%100
54	M27	Z	-1.618	-1.618	0	%100
55	M28	X	2.875	2.875	0	%100
56	M28	Z	-1.66	-1.66	0	%100
57	M29	X	1.168	1.168	0	%100
58	M29	Z	-.675	-.675	0	%100
59	M30	X	1.168	1.168	0	%100
60	M30	Z	-.675	-.675	0	%100
61	M31	X	3.741	3.741	0	%100
62	M31	Z	-2.16	-2.16	0	%100
63	M32	X	3.741	3.741	0	%100
64	M32	Z	-2.16	-2.16	0	%100
65	M33	X	2.875	2.875	0	%100
66	M33	Z	-1.66	-1.66	0	%100
67	M34	X	2.875	2.875	0	%100
68	M34	Z	-1.66	-1.66	0	%100
69	M35	X	2.803	2.803	0	%100
70	M35	Z	-1.618	-1.618	0	%100
71	M36	X	2.803	2.803	0	%100
72	M36	Z	-1.618	-1.618	0	%100
73	M37	X	4.114	4.114	0	%100
74	M37	Z	-2.376	-2.376	0	%100
75	M38	X	1.029	1.029	0	%100
76	M38	Z	-.594	-.594	0	%100
77	M39	X	1.029	1.029	0	%100
78	M39	Z	-.594	-.594	0	%100
79	M49	X	4.114	4.114	0	%100
80	M49	Z	-2.376	-2.376	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, %]
81	M50	X	1.029	1.029	0	%100
82	M50	Z	-.594	-.594	0	%100
83	M51	X	1.029	1.029	0	%100
84	M51	Z	-.594	-.594	0	%100
85	M61	X	2.485	2.485	0	%100
86	M61	Z	-1.434	-1.434	0	%100
87	M62	X	2.485	2.485	0	%100
88	M62	Z	-1.435	-1.435	0	%100
89	M63	X	2.466	2.466	0	%100
90	M63	Z	-1.424	-1.424	0	%100
91	M64	X	2.98	2.98	0	%100
92	M64	Z	-1.72	-1.72	0	%100
93	M65	X	2.98	2.98	0	%100
94	M65	Z	-1.72	-1.72	0	%100
95	M66	X	2.986	2.986	0	%100
96	M66	Z	-1.724	-1.724	0	%100
97	M67	X	2.98	2.98	0	%100
98	M67	Z	-1.72	-1.72	0	%100
99	M68	X	2.98	2.98	0	%100
100	M68	Z	-1.72	-1.72	0	%100
101	M69	X	2.986	2.986	0	%100
102	M69	Z	-1.724	-1.724	0	%100
103	M70	X	2.485	2.485	0	%100
104	M70	Z	-1.434	-1.434	0	%100
105	M71	X	2.485	2.485	0	%100
106	M71	Z	-1.435	-1.435	0	%100
107	M72	X	2.466	2.466	0	%100
108	M72	Z	-1.424	-1.424	0	%100
109	M73	X	2.485	2.485	0	%100
110	M73	Z	-1.434	-1.434	0	%100
111	M74	X	2.485	2.485	0	%100
112	M74	Z	-1.435	-1.435	0	%100
113	M75	X	2.466	2.466	0	%100
114	M75	Z	-1.424	-1.424	0	%100
115	MP1A	X	3.195	3.195	0	%100
116	MP1A	Z	-1.844	-1.844	0	%100
117	MP2A	X	3.087	3.087	0	%100
118	MP2A	Z	-1.782	-1.782	0	%100
119	MP4A	X	3.195	3.195	0	%100
120	MP4A	Z	-1.844	-1.844	0	%100
121	MP5A	X	3.195	3.195	0	%100
122	MP5A	Z	-1.844	-1.844	0	%100
123	MPA	X	3.087	3.087	0	%100
124	MPA	Z	-1.782	-1.782	0	%100
125	MP6A	X	3.195	3.195	0	%100
126	MP6A	Z	-1.844	-1.844	0	%100
127	MP1C	X	3.195	3.195	0	%100
128	MP1C	Z	-1.844	-1.844	0	%100
129	MP1B	X	3.195	3.195	0	%100
130	MP1B	Z	-1.844	-1.844	0	%100
131	MPC	X	3.087	3.087	0	%100
132	MPC	Z	-1.782	-1.782	0	%100
133	MP2C	X	3.087	3.087	0	%100
134	MP2C	Z	-1.782	-1.782	0	%100
135	MP5C	X	3.195	3.195	0	%100
136	MP5C	Z	-1.844	-1.844	0	%100
137	MP6C	X	3.087	3.087	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, %]
138	MP6C	Z	-1.782	-1.782	0	%100
139	MPB	X	3.087	3.087	0	%100
140	MPB	Z	-1.782	-1.782	0	%100
141	MPB2	X	3.087	3.087	0	%100
142	MPB2	Z	-1.782	-1.782	0	%100
143	MP5B	X	3.087	3.087	0	%100
144	MP5B	Z	-1.782	-1.782	0	%100
145	MP4C	X	3.195	3.195	0	%100
146	MP4C	Z	-1.844	-1.844	0	%100
147	MP3C	X	3.195	3.195	0	%100
148	MP3C	Z	-1.844	-1.844	0	%100
149	M146	X	4.674	4.674	0	%100
150	M146	Z	-2.698	-2.698	0	%100
151	M147	X	4.674	4.674	0	%100
152	M147	Z	-2.698	-2.698	0	%100
153	M154	X	1.168	1.168	0	%100
154	M154	Z	-.675	-.675	0	%100
155	M155	X	1.168	1.168	0	%100
156	M155	Z	-.675	-.675	0	%100
157	M162	X	1.168	1.168	0	%100
158	M162	Z	-.675	-.675	0	%100
159	M163	X	1.168	1.168	0	%100
160	M163	Z	-.675	-.675	0	%100
161	MP3A	X	3.087	3.087	0	%100
162	MP3A	Z	-1.782	-1.782	0	%100
163	MP4B	X	3.195	3.195	0	%100
164	MP4B	Z	-1.844	-1.844	0	%100
165	MP6B	X	3.087	3.087	0	%100
166	MP6B	Z	-1.782	-1.782	0	%100
167	MP3B	X	3.195	3.195	0	%100
168	MP3B	Z	-1.844	-1.844	0	%100
169	M163A	X	3.087	3.087	0	%100
170	M163A	Z	-1.782	-1.782	0	%100
171	M166	X	1.475	1.475	0	%100
172	M166	Z	-.851	-.851	0	%100
173	M169A	X	1.475	1.475	0	%100
174	M169A	Z	-.851	-.851	0	%100
175	MP2B	X	3.195	3.195	0	%100
176	MP2B	Z	-1.844	-1.844	0	%100
177	M173A	X	1.475	1.475	0	%100
178	M173A	Z	-.851	-.851	0	%100
179	M176	X	1.475	1.475	0	%100
180	M176	Z	-.851	-.851	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.678	2.678	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	2.679	2.679	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	2.647	2.647	0	%100
10	M5	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,%]
11	M6	X	2.646	2.646	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	2.646	2.646	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	2.646	2.646	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	2.646	2.646	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	1.44	1.44	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	1.44	1.44	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	3.32	3.32	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	3.32	3.32	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	3.32	3.32	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	2.277	2.277	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	2.27	2.27	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	3.32	3.32	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	4.048	4.048	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	4.048	4.048	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	1.44	1.44	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	1.44	1.44	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	3.32	3.32	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	3.32	3.32	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	2.277	2.277	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	2.27	2.27	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	3.32	3.32	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	4.048	4.048	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	4.048	4.048	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	5.76	5.76	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	5.76	5.76	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	3.32	3.32	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	3.32	3.32	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,%]
68	M34	Z	0	0	0	%100
69	M35	X	3.716	3.716	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	3.72	3.72	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	3.563	3.563	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	3.563	3.563	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	3.563	3.563	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	0	0	0	%100
83	M51	X	3.563	3.563	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	2.678	2.678	0	%100
86	M61	Z	0	0	0	%100
87	M62	X	2.679	2.679	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	2.647	2.647	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	3.25	3.25	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	3.25	3.25	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	3.248	3.248	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	3.25	3.25	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	3.25	3.25	0	%100
100	M68	Z	0	0	0	%100
101	M69	X	3.248	3.248	0	%100
102	M69	Z	0	0	0	%100
103	M70	X	3.25	3.25	0	%100
104	M70	Z	0	0	0	%100
105	M71	X	3.25	3.25	0	%100
106	M71	Z	0	0	0	%100
107	M72	X	3.248	3.248	0	%100
108	M72	Z	0	0	0	%100
109	M73	X	3.25	3.25	0	%100
110	M73	Z	0	0	0	%100
111	M74	X	3.25	3.25	0	%100
112	M74	Z	0	0	0	%100
113	M75	X	3.248	3.248	0	%100
114	M75	Z	0	0	0	%100
115	MP1A	X	3.689	3.689	0	%100
116	MP1A	Z	0	0	0	%100
117	MP2A	X	3.564	3.564	0	%100
118	MP2A	Z	0	0	0	%100
119	MP4A	X	3.689	3.689	0	%100
120	MP4A	Z	0	0	0	%100
121	MP5A	X	3.689	3.689	0	%100
122	MP5A	Z	0	0	0	%100
123	MPA	X	3.564	3.564	0	%100
124	MPA	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,%]
125	MP6A	X	3.689	3.689	0	%100
126	MP6A	Z	0	0	0	%100
127	MP1C	X	3.689	3.689	0	%100
128	MP1C	Z	0	0	0	%100
129	MP1B	X	3.689	3.689	0	%100
130	MP1B	Z	0	0	0	%100
131	MPC	X	3.564	3.564	0	%100
132	MPC	Z	0	0	0	%100
133	MP2C	X	3.564	3.564	0	%100
134	MP2C	Z	0	0	0	%100
135	MP5C	X	3.689	3.689	0	%100
136	MP5C	Z	0	0	0	%100
137	MP6C	X	3.564	3.564	0	%100
138	MP6C	Z	0	0	0	%100
139	MPB	X	3.564	3.564	0	%100
140	MPB	Z	0	0	0	%100
141	MPB2	X	3.564	3.564	0	%100
142	MPB2	Z	0	0	0	%100
143	MP5B	X	3.564	3.564	0	%100
144	MP5B	Z	0	0	0	%100
145	MP4C	X	3.689	3.689	0	%100
146	MP4C	Z	0	0	0	%100
147	MP3C	X	3.689	3.689	0	%100
148	MP3C	Z	0	0	0	%100
149	M146	X	4.048	4.048	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	4.048	4.048	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	4.048	4.048	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	4.048	4.048	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	0	0	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	0	0	0	%100
161	MP3A	X	3.564	3.564	0	%100
162	MP3A	Z	0	0	0	%100
163	MP4B	X	3.689	3.689	0	%100
164	MP4B	Z	0	0	0	%100
165	MP6B	X	3.564	3.564	0	%100
166	MP6B	Z	0	0	0	%100
167	MP3B	X	3.689	3.689	0	%100
168	MP3B	Z	0	0	0	%100
169	M163A	X	3.564	3.564	0	%100
170	M163A	Z	0	0	0	%100
171	M166	X	2.27	2.27	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	2.27	2.27	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	3.689	3.689	0	%100
176	MP2B	Z	0	0	0	%100
177	M173A	X	.568	.568	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	.568	.568	0	%100
180	M176	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	1.168	1.168	0	%100
2	M1	Z	.675	.675	0	%100
3	M2	X	1.168	1.168	0	%100
4	M2	Z	.675	.675	0	%100
5	M3	X	2.485	2.485	0	%100
6	M3	Z	1.434	1.434	0	%100
7	M4	X	2.485	2.485	0	%100
8	M4	Z	1.435	1.435	0	%100
9	M5	X	2.466	2.466	0	%100
10	M5	Z	1.424	1.424	0	%100
11	M6	X	3.055	3.055	0	%100
12	M6	Z	1.764	1.764	0	%100
13	M7	X	3.055	3.055	0	%100
14	M7	Z	1.764	1.764	0	%100
15	M8	X	.764	.764	0	%100
16	M8	Z	.441	.441	0	%100
17	M9	X	.764	.764	0	%100
18	M9	Z	.441	.441	0	%100
19	M10	X	3.741	3.741	0	%100
20	M10	Z	2.16	2.16	0	%100
21	M11	X	3.741	3.741	0	%100
22	M11	Z	2.16	2.16	0	%100
23	M12	X	2.875	2.875	0	%100
24	M12	Z	1.66	1.66	0	%100
25	M13	X	2.875	2.875	0	%100
26	M13	Z	1.66	1.66	0	%100
27	M14	X	2.875	2.875	0	%100
28	M14	Z	1.66	1.66	0	%100
29	M15	X	2.803	2.803	0	%100
30	M15	Z	1.618	1.618	0	%100
31	M16	X	2.803	2.803	0	%100
32	M16	Z	1.618	1.618	0	%100
33	M17	X	2.875	2.875	0	%100
34	M17	Z	1.66	1.66	0	%100
35	M18	X	1.168	1.168	0	%100
36	M18	Z	.675	.675	0	%100
37	M19	X	1.168	1.168	0	%100
38	M19	Z	.675	.675	0	%100
39	M20	X	.764	.764	0	%100
40	M20	Z	.441	.441	0	%100
41	M21	X	.764	.764	0	%100
42	M21	Z	.441	.441	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	2.875	2.875	0	%100
48	M24	Z	1.66	1.66	0	%100
49	M25	X	2.875	2.875	0	%100
50	M25	Z	1.66	1.66	0	%100
51	M26	X	1.556	1.556	0	%100
52	M26	Z	.899	.899	0	%100
53	M27	X	1.548	1.548	0	%100
54	M27	Z	.894	.894	0	%100
55	M28	X	2.875	2.875	0	%100
56	M28	Z	1.66	1.66	0	%100
57	M29	X	4.674	4.674	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,%]
58	M29	Z	2.698	2.698	0	%100
59	M30	X	4.674	4.674	0	%100
60	M30	Z	2.698	2.698	0	%100
61	M31	X	3.741	3.741	0	%100
62	M31	Z	2.16	2.16	0	%100
63	M32	X	3.741	3.741	0	%100
64	M32	Z	2.16	2.16	0	%100
65	M33	X	2.875	2.875	0	%100
66	M33	Z	1.66	1.66	0	%100
67	M34	X	2.875	2.875	0	%100
68	M34	Z	1.66	1.66	0	%100
69	M35	X	2.803	2.803	0	%100
70	M35	Z	1.618	1.618	0	%100
71	M36	X	2.803	2.803	0	%100
72	M36	Z	1.618	1.618	0	%100
73	M37	X	1.029	1.029	0	%100
74	M37	Z	.594	.594	0	%100
75	M38	X	1.029	1.029	0	%100
76	M38	Z	.594	.594	0	%100
77	M39	X	4.114	4.114	0	%100
78	M39	Z	2.376	2.376	0	%100
79	M49	X	1.029	1.029	0	%100
80	M49	Z	.594	.594	0	%100
81	M50	X	1.029	1.029	0	%100
82	M50	Z	.594	.594	0	%100
83	M51	X	4.114	4.114	0	%100
84	M51	Z	2.376	2.376	0	%100
85	M61	X	2.485	2.485	0	%100
86	M61	Z	1.434	1.434	0	%100
87	M62	X	2.485	2.485	0	%100
88	M62	Z	1.435	1.435	0	%100
89	M63	X	2.466	2.466	0	%100
90	M63	Z	1.424	1.424	0	%100
91	M64	X	2.485	2.485	0	%100
92	M64	Z	1.434	1.434	0	%100
93	M65	X	2.485	2.485	0	%100
94	M65	Z	1.435	1.435	0	%100
95	M66	X	2.466	2.466	0	%100
96	M66	Z	1.424	1.424	0	%100
97	M67	X	2.485	2.485	0	%100
98	M67	Z	1.434	1.434	0	%100
99	M68	X	2.485	2.485	0	%100
100	M68	Z	1.435	1.435	0	%100
101	M69	X	2.466	2.466	0	%100
102	M69	Z	1.424	1.424	0	%100
103	M70	X	2.98	2.98	0	%100
104	M70	Z	1.72	1.72	0	%100
105	M71	X	2.98	2.98	0	%100
106	M71	Z	1.72	1.72	0	%100
107	M72	X	2.986	2.986	0	%100
108	M72	Z	1.724	1.724	0	%100
109	M73	X	2.98	2.98	0	%100
110	M73	Z	1.72	1.72	0	%100
111	M74	X	2.98	2.98	0	%100
112	M74	Z	1.72	1.72	0	%100
113	M75	X	2.986	2.986	0	%100
114	M75	Z	1.724	1.724	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,%]
115	MP1A	X	3.195	3.195	0	%100
116	MP1A	Z	1.844	1.844	0	%100
117	MP2A	X	3.087	3.087	0	%100
118	MP2A	Z	1.782	1.782	0	%100
119	MP4A	X	3.195	3.195	0	%100
120	MP4A	Z	1.844	1.844	0	%100
121	MP5A	X	3.195	3.195	0	%100
122	MP5A	Z	1.844	1.844	0	%100
123	MPA	X	3.087	3.087	0	%100
124	MPA	Z	1.782	1.782	0	%100
125	MP6A	X	3.195	3.195	0	%100
126	MP6A	Z	1.844	1.844	0	%100
127	MP1C	X	3.195	3.195	0	%100
128	MP1C	Z	1.844	1.844	0	%100
129	MP1B	X	3.195	3.195	0	%100
130	MP1B	Z	1.844	1.844	0	%100
131	MPC	X	3.087	3.087	0	%100
132	MPC	Z	1.782	1.782	0	%100
133	MP2C	X	3.087	3.087	0	%100
134	MP2C	Z	1.782	1.782	0	%100
135	MP5C	X	3.195	3.195	0	%100
136	MP5C	Z	1.844	1.844	0	%100
137	MP6C	X	3.087	3.087	0	%100
138	MP6C	Z	1.782	1.782	0	%100
139	MPB	X	3.087	3.087	0	%100
140	MPB	Z	1.782	1.782	0	%100
141	MPB2	X	3.087	3.087	0	%100
142	MPB2	Z	1.782	1.782	0	%100
143	MP5B	X	3.087	3.087	0	%100
144	MP5B	Z	1.782	1.782	0	%100
145	MP4C	X	3.195	3.195	0	%100
146	MP4C	Z	1.844	1.844	0	%100
147	MP3C	X	3.195	3.195	0	%100
148	MP3C	Z	1.844	1.844	0	%100
149	M146	X	1.168	1.168	0	%100
150	M146	Z	.675	.675	0	%100
151	M147	X	1.168	1.168	0	%100
152	M147	Z	.675	.675	0	%100
153	M154	X	4.674	4.674	0	%100
154	M154	Z	2.698	2.698	0	%100
155	M155	X	4.674	4.674	0	%100
156	M155	Z	2.698	2.698	0	%100
157	M162	X	1.168	1.168	0	%100
158	M162	Z	.675	.675	0	%100
159	M163	X	1.168	1.168	0	%100
160	M163	Z	.675	.675	0	%100
161	MP3A	X	3.087	3.087	0	%100
162	MP3A	Z	1.782	1.782	0	%100
163	MP4B	X	3.195	3.195	0	%100
164	MP4B	Z	1.844	1.844	0	%100
165	MP6B	X	3.087	3.087	0	%100
166	MP6B	Z	1.782	1.782	0	%100
167	MP3B	X	3.195	3.195	0	%100
168	MP3B	Z	1.844	1.844	0	%100
169	M163A	X	3.087	3.087	0	%100
170	M163A	Z	1.782	1.782	0	%100
171	M166	X	1.475	1.475	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,%]
172	M166	Z	.851	.851	0	%100
173	M169A	X	1.475	1.475	0	%100
174	M169A	Z	.851	.851	0	%100
175	MP2B	X	3.195	3.195	0	%100
176	MP2B	Z	1.844	1.844	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.024	2.024	0	%100
2	M1	Z	3.505	3.505	0	%100
3	M2	X	2.024	2.024	0	%100
4	M2	Z	3.505	3.505	0	%100
5	M3	X	1.625	1.625	0	%100
6	M3	Z	2.815	2.815	0	%100
7	M4	X	1.625	1.625	0	%100
8	M4	Z	2.815	2.815	0	%100
9	M5	X	1.624	1.624	0	%100
10	M5	Z	2.812	2.812	0	%100
11	M6	X	1.323	1.323	0	%100
12	M6	Z	2.291	2.291	0	%100
13	M7	X	1.323	1.323	0	%100
14	M7	Z	2.291	2.291	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	2.88	2.88	0	%100
20	M10	Z	4.988	4.988	0	%100
21	M11	X	2.88	2.88	0	%100
22	M11	Z	4.988	4.988	0	%100
23	M12	X	1.66	1.66	0	%100
24	M12	Z	2.875	2.875	0	%100
25	M13	X	1.66	1.66	0	%100
26	M13	Z	2.875	2.875	0	%100
27	M14	X	1.66	1.66	0	%100
28	M14	Z	2.875	2.875	0	%100
29	M15	X	1.858	1.858	0	%100
30	M15	Z	3.218	3.218	0	%100
31	M16	X	1.86	1.86	0	%100
32	M16	Z	3.222	3.222	0	%100
33	M17	X	1.66	1.66	0	%100
34	M17	Z	2.875	2.875	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	1.323	1.323	0	%100
40	M20	Z	2.291	2.291	0	%100
41	M21	X	1.323	1.323	0	%100
42	M21	Z	2.291	2.291	0	%100
43	M22	X	.72	.72	0	%100
44	M22	Z	1.247	1.247	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,%]
45	M23	X	.72	.72	0	%100
46	M23	Z	1.247	1.247	0	%100
47	M24	X	1.66	1.66	0	%100
48	M24	Z	2.875	2.875	0	%100
49	M25	X	1.66	1.66	0	%100
50	M25	Z	2.875	2.875	0	%100
51	M26	X	1.138	1.138	0	%100
52	M26	Z	1.972	1.972	0	%100
53	M27	X	1.135	1.135	0	%100
54	M27	Z	1.966	1.966	0	%100
55	M28	X	1.66	1.66	0	%100
56	M28	Z	2.875	2.875	0	%100
57	M29	X	2.024	2.024	0	%100
58	M29	Z	3.505	3.505	0	%100
59	M30	X	2.024	2.024	0	%100
60	M30	Z	3.505	3.505	0	%100
61	M31	X	.72	.72	0	%100
62	M31	Z	1.247	1.247	0	%100
63	M32	X	.72	.72	0	%100
64	M32	Z	1.247	1.247	0	%100
65	M33	X	1.66	1.66	0	%100
66	M33	Z	2.875	2.875	0	%100
67	M34	X	1.66	1.66	0	%100
68	M34	Z	2.875	2.875	0	%100
69	M35	X	1.138	1.138	0	%100
70	M35	Z	1.972	1.972	0	%100
71	M36	X	1.135	1.135	0	%100
72	M36	Z	1.966	1.966	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	1.782	1.782	0	%100
76	M38	Z	3.086	3.086	0	%100
77	M39	X	1.782	1.782	0	%100
78	M39	Z	3.086	3.086	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	1.782	1.782	0	%100
82	M50	Z	3.086	3.086	0	%100
83	M51	X	1.782	1.782	0	%100
84	M51	Z	3.086	3.086	0	%100
85	M61	X	1.625	1.625	0	%100
86	M61	Z	2.815	2.815	0	%100
87	M62	X	1.625	1.625	0	%100
88	M62	Z	2.815	2.815	0	%100
89	M63	X	1.624	1.624	0	%100
90	M63	Z	2.812	2.812	0	%100
91	M64	X	1.339	1.339	0	%100
92	M64	Z	2.32	2.32	0	%100
93	M65	X	1.339	1.339	0	%100
94	M65	Z	2.32	2.32	0	%100
95	M66	X	1.324	1.324	0	%100
96	M66	Z	2.292	2.292	0	%100
97	M67	X	1.339	1.339	0	%100
98	M67	Z	2.32	2.32	0	%100
99	M68	X	1.339	1.339	0	%100
100	M68	Z	2.32	2.32	0	%100
101	M69	X	1.324	1.324	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,%]
102	M69	Z	2.292	2.292	0	%100
103	M70	X	1.625	1.625	0	%100
104	M70	Z	2.815	2.815	0	%100
105	M71	X	1.625	1.625	0	%100
106	M71	Z	2.815	2.815	0	%100
107	M72	X	1.624	1.624	0	%100
108	M72	Z	2.812	2.812	0	%100
109	M73	X	1.625	1.625	0	%100
110	M73	Z	2.815	2.815	0	%100
111	M74	X	1.625	1.625	0	%100
112	M74	Z	2.815	2.815	0	%100
113	M75	X	1.624	1.624	0	%100
114	M75	Z	2.812	2.812	0	%100
115	MP1A	X	1.844	1.844	0	%100
116	MP1A	Z	3.195	3.195	0	%100
117	MP2A	X	1.782	1.782	0	%100
118	MP2A	Z	3.087	3.087	0	%100
119	MP4A	X	1.844	1.844	0	%100
120	MP4A	Z	3.195	3.195	0	%100
121	MP5A	X	1.844	1.844	0	%100
122	MP5A	Z	3.195	3.195	0	%100
123	MPA	X	1.782	1.782	0	%100
124	MPA	Z	3.087	3.087	0	%100
125	MP6A	X	1.844	1.844	0	%100
126	MP6A	Z	3.195	3.195	0	%100
127	MP1C	X	1.844	1.844	0	%100
128	MP1C	Z	3.195	3.195	0	%100
129	MP1B	X	1.844	1.844	0	%100
130	MP1B	Z	3.195	3.195	0	%100
131	MP3C	X	1.782	1.782	0	%100
132	MP3C	Z	3.087	3.087	0	%100
133	MP2C	X	1.782	1.782	0	%100
134	MP2C	Z	3.087	3.087	0	%100
135	MP5C	X	1.844	1.844	0	%100
136	MP5C	Z	3.195	3.195	0	%100
137	MP6C	X	1.782	1.782	0	%100
138	MP6C	Z	3.087	3.087	0	%100
139	MPB	X	1.782	1.782	0	%100
140	MPB	Z	3.087	3.087	0	%100
141	MPB2	X	1.782	1.782	0	%100
142	MPB2	Z	3.087	3.087	0	%100
143	MP5B	X	1.782	1.782	0	%100
144	MP5B	Z	3.087	3.087	0	%100
145	MP4C	X	1.844	1.844	0	%100
146	MP4C	Z	3.195	3.195	0	%100
147	MP3C	X	1.844	1.844	0	%100
148	MP3C	Z	3.195	3.195	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	2.024	2.024	0	%100
154	M154	Z	3.505	3.505	0	%100
155	M155	X	2.024	2.024	0	%100
156	M155	Z	3.505	3.505	0	%100
157	M162	X	2.024	2.024	0	%100
158	M162	Z	3.505	3.505	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, %]
159	M163	X	2.024	2.024	0	%100
160	M163	Z	3.505	3.505	0	%100
161	MP3A	X	1.782	1.782	0	%100
162	MP3A	Z	3.087	3.087	0	%100
163	MP4B	X	1.844	1.844	0	%100
164	MP4B	Z	3.195	3.195	0	%100
165	MP6B	X	1.782	1.782	0	%100
166	MP6B	Z	3.087	3.087	0	%100
167	MP3B	X	1.844	1.844	0	%100
168	MP3B	Z	3.195	3.195	0	%100
169	M163A	X	1.782	1.782	0	%100
170	M163A	Z	3.087	3.087	0	%100
171	M166	X	.284	.284	0	%100
172	M166	Z	.492	.492	0	%100
173	M169A	X	.284	.284	0	%100
174	M169A	Z	.492	.492	0	%100
175	MP2B	X	1.844	1.844	0	%100
176	MP2B	Z	3.195	3.195	0	%100
177	M173A	X	.284	.284	0	%100
178	M173A	Z	.492	.492	0	%100
179	M176	X	.284	.284	0	%100
180	M176	Z	.492	.492	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	5.397	5.397	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	5.397	5.397	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	3.441	3.441	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	3.441	3.441	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	3.448	3.448	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.882	.882	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.882	.882	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.882	.882	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.882	.882	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	4.32	4.32	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	4.32	4.32	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	3.32	3.32	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	3.32	3.32	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	3.32	3.32	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	3.236	3.236	0	%100
31	M16	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,%]
32	M16	Z	3.237	3.237	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	3.32	3.32	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	1.349	1.349	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	1.349	1.349	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	3.528	3.528	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	3.528	3.528	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	4.32	4.32	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	4.32	4.32	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	3.32	3.32	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	3.32	3.32	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	3.236	3.236	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	3.237	3.237	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	3.32	3.32	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	1.349	1.349	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	1.349	1.349	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	3.32	3.32	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	3.32	3.32	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	1.797	1.797	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	1.787	1.787	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	1.188	1.188	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	4.751	4.751	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	1.188	1.188	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	1.188	1.188	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	4.751	4.751	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	1.188	1.188	0	%100
85	M61	X	0	0	0	%100
86	M61	Z	3.441	3.441	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	3.441	3.441	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,%]
89	M63	X	0	0	0	%100
90	M63	Z	3.448	3.448	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	2.869	2.869	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	2.869	2.869	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	2.847	2.847	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	2.869	2.869	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	2.869	2.869	0	%100
101	M69	X	0	0	0	%100
102	M69	Z	2.847	2.847	0	%100
103	M70	X	0	0	0	%100
104	M70	Z	2.869	2.869	0	%100
105	M71	X	0	0	0	%100
106	M71	Z	2.869	2.869	0	%100
107	M72	X	0	0	0	%100
108	M72	Z	2.847	2.847	0	%100
109	M73	X	0	0	0	%100
110	M73	Z	2.869	2.869	0	%100
111	M74	X	0	0	0	%100
112	M74	Z	2.869	2.869	0	%100
113	M75	X	0	0	0	%100
114	M75	Z	2.847	2.847	0	%100
115	MP1A	X	0	0	0	%100
116	MP1A	Z	3.689	3.689	0	%100
117	MP2A	X	0	0	0	%100
118	MP2A	Z	3.564	3.564	0	%100
119	MP4A	X	0	0	0	%100
120	MP4A	Z	3.689	3.689	0	%100
121	MP5A	X	0	0	0	%100
122	MP5A	Z	3.689	3.689	0	%100
123	MPA	X	0	0	0	%100
124	MPA	Z	3.564	3.564	0	%100
125	MP6A	X	0	0	0	%100
126	MP6A	Z	3.689	3.689	0	%100
127	MP1C	X	0	0	0	%100
128	MP1C	Z	3.689	3.689	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	3.689	3.689	0	%100
131	MPC	X	0	0	0	%100
132	MPC	Z	3.564	3.564	0	%100
133	MP2C	X	0	0	0	%100
134	MP2C	Z	3.564	3.564	0	%100
135	MP5C	X	0	0	0	%100
136	MP5C	Z	3.689	3.689	0	%100
137	MP6C	X	0	0	0	%100
138	MP6C	Z	3.564	3.564	0	%100
139	MPB	X	0	0	0	%100
140	MPB	Z	3.564	3.564	0	%100
141	MPB2	X	0	0	0	%100
142	MPB2	Z	3.564	3.564	0	%100
143	MP5B	X	0	0	0	%100
144	MP5B	Z	3.564	3.564	0	%100
145	MP4C	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, %]
146	MP4C	Z	3.689	3.689	0	%100
147	MP3C	X	0	0	0	%100
148	MP3C	Z	3.689	3.689	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	1.349	1.349	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	1.349	1.349	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	1.349	1.349	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	1.349	1.349	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	5.397	5.397	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	5.397	5.397	0	%100
161	MP3A	X	0	0	0	%100
162	MP3A	Z	3.564	3.564	0	%100
163	MP4B	X	0	0	0	%100
164	MP4B	Z	3.689	3.689	0	%100
165	MP6B	X	0	0	0	%100
166	MP6B	Z	3.564	3.564	0	%100
167	MP3B	X	0	0	0	%100
168	MP3B	Z	3.689	3.689	0	%100
169	M163A	X	0	0	0	%100
170	M163A	Z	3.564	3.564	0	%100
171	M166	X	0	0	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	0	0	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	0	0	0	%100
176	MP2B	Z	3.689	3.689	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	1.703	1.703	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	1.703	1.703	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.024	-2.024	0	%100
2	M1	Z	3.505	3.505	0	%100
3	M2	X	-2.024	-2.024	0	%100
4	M2	Z	3.505	3.505	0	%100
5	M3	X	-1.625	-1.625	0	%100
6	M3	Z	2.815	2.815	0	%100
7	M4	X	-1.625	-1.625	0	%100
8	M4	Z	2.815	2.815	0	%100
9	M5	X	-1.624	-1.624	0	%100
10	M5	Z	2.812	2.812	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-1.323	-1.323	0	%100
16	M8	Z	2.291	2.291	0	%100
17	M9	X	-1.323	-1.323	0	%100
18	M9	Z	2.291	2.291	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,%]
19	M10	X	-0.72	-0.72	0	%100
20	M10	Z	1.247	1.247	0	%100
21	M11	X	-0.72	-0.72	0	%100
22	M11	Z	1.247	1.247	0	%100
23	M12	X	-1.66	-1.66	0	%100
24	M12	Z	2.875	2.875	0	%100
25	M13	X	-1.66	-1.66	0	%100
26	M13	Z	2.875	2.875	0	%100
27	M14	X	-1.66	-1.66	0	%100
28	M14	Z	2.875	2.875	0	%100
29	M15	X	-1.138	-1.138	0	%100
30	M15	Z	1.972	1.972	0	%100
31	M16	X	-1.135	-1.135	0	%100
32	M16	Z	1.966	1.966	0	%100
33	M17	X	-1.66	-1.66	0	%100
34	M17	Z	2.875	2.875	0	%100
35	M18	X	-2.024	-2.024	0	%100
36	M18	Z	3.505	3.505	0	%100
37	M19	X	-2.024	-2.024	0	%100
38	M19	Z	3.505	3.505	0	%100
39	M20	X	-1.323	-1.323	0	%100
40	M20	Z	2.291	2.291	0	%100
41	M21	X	-1.323	-1.323	0	%100
42	M21	Z	2.291	2.291	0	%100
43	M22	X	-2.88	-2.88	0	%100
44	M22	Z	4.988	4.988	0	%100
45	M23	X	-2.88	-2.88	0	%100
46	M23	Z	4.988	4.988	0	%100
47	M24	X	-1.66	-1.66	0	%100
48	M24	Z	2.875	2.875	0	%100
49	M25	X	-1.66	-1.66	0	%100
50	M25	Z	2.875	2.875	0	%100
51	M26	X	-1.858	-1.858	0	%100
52	M26	Z	3.218	3.218	0	%100
53	M27	X	-1.86	-1.86	0	%100
54	M27	Z	3.222	3.222	0	%100
55	M28	X	-1.66	-1.66	0	%100
56	M28	Z	2.875	2.875	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-0.72	-0.72	0	%100
62	M31	Z	1.247	1.247	0	%100
63	M32	X	-0.72	-0.72	0	%100
64	M32	Z	1.247	1.247	0	%100
65	M33	X	-1.66	-1.66	0	%100
66	M33	Z	2.875	2.875	0	%100
67	M34	X	-1.66	-1.66	0	%100
68	M34	Z	2.875	2.875	0	%100
69	M35	X	-1.138	-1.138	0	%100
70	M35	Z	1.972	1.972	0	%100
71	M36	X	-1.135	-1.135	0	%100
72	M36	Z	1.966	1.966	0	%100
73	M37	X	-1.782	-1.782	0	%100
74	M37	Z	3.086	3.086	0	%100
75	M38	X	-1.782	-1.782	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,%]
76	M38	Z	3.086	3.086	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	-1.782	-1.782	0	%100
80	M49	Z	3.086	3.086	0	%100
81	M50	X	-1.782	-1.782	0	%100
82	M50	Z	3.086	3.086	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	-1.625	-1.625	0	%100
86	M61	Z	2.815	2.815	0	%100
87	M62	X	-1.625	-1.625	0	%100
88	M62	Z	2.815	2.815	0	%100
89	M63	X	-1.624	-1.624	0	%100
90	M63	Z	2.812	2.812	0	%100
91	M64	X	-1.625	-1.625	0	%100
92	M64	Z	2.815	2.815	0	%100
93	M65	X	-1.625	-1.625	0	%100
94	M65	Z	2.815	2.815	0	%100
95	M66	X	-1.624	-1.624	0	%100
96	M66	Z	2.812	2.812	0	%100
97	M67	X	-1.625	-1.625	0	%100
98	M67	Z	2.815	2.815	0	%100
99	M68	X	-1.625	-1.625	0	%100
100	M68	Z	2.815	2.815	0	%100
101	M69	X	-1.624	-1.624	0	%100
102	M69	Z	2.812	2.812	0	%100
103	M70	X	-1.339	-1.339	0	%100
104	M70	Z	2.32	2.32	0	%100
105	M71	X	-1.339	-1.339	0	%100
106	M71	Z	2.32	2.32	0	%100
107	M72	X	-1.324	-1.324	0	%100
108	M72	Z	2.292	2.292	0	%100
109	M73	X	-1.339	-1.339	0	%100
110	M73	Z	2.32	2.32	0	%100
111	M74	X	-1.339	-1.339	0	%100
112	M74	Z	2.32	2.32	0	%100
113	M75	X	-1.324	-1.324	0	%100
114	M75	Z	2.292	2.292	0	%100
115	MP1A	X	-1.844	-1.844	0	%100
116	MP1A	Z	3.195	3.195	0	%100
117	MP2A	X	-1.782	-1.782	0	%100
118	MP2A	Z	3.087	3.087	0	%100
119	MP4A	X	-1.844	-1.844	0	%100
120	MP4A	Z	3.195	3.195	0	%100
121	MP5A	X	-1.844	-1.844	0	%100
122	MP5A	Z	3.195	3.195	0	%100
123	MPA	X	-1.782	-1.782	0	%100
124	MPA	Z	3.087	3.087	0	%100
125	MP6A	X	-1.844	-1.844	0	%100
126	MP6A	Z	3.195	3.195	0	%100
127	MP1C	X	-1.844	-1.844	0	%100
128	MP1C	Z	3.195	3.195	0	%100
129	MP1B	X	-1.844	-1.844	0	%100
130	MP1B	Z	3.195	3.195	0	%100
131	MPC	X	-1.782	-1.782	0	%100
132	MPC	Z	3.087	3.087	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,%]
133	MP2C	X	-1.782	-1.782	0	%100
134	MP2C	Z	3.087	3.087	0	%100
135	MP5C	X	-1.844	-1.844	0	%100
136	MP5C	Z	3.195	3.195	0	%100
137	MP6C	X	-1.782	-1.782	0	%100
138	MP6C	Z	3.087	3.087	0	%100
139	MPB	X	-1.782	-1.782	0	%100
140	MPB	Z	3.087	3.087	0	%100
141	MPB2	X	-1.782	-1.782	0	%100
142	MPB2	Z	3.087	3.087	0	%100
143	MP5B	X	-1.782	-1.782	0	%100
144	MP5B	Z	3.087	3.087	0	%100
145	MP4C	X	-1.844	-1.844	0	%100
146	MP4C	Z	3.195	3.195	0	%100
147	MP3C	X	-1.844	-1.844	0	%100
148	MP3C	Z	3.195	3.195	0	%100
149	M146	X	-2.024	-2.024	0	%100
150	M146	Z	3.505	3.505	0	%100
151	M147	X	-2.024	-2.024	0	%100
152	M147	Z	3.505	3.505	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	-2.024	-2.024	0	%100
158	M162	Z	3.505	3.505	0	%100
159	M163	X	-2.024	-2.024	0	%100
160	M163	Z	3.505	3.505	0	%100
161	MP3A	X	-1.782	-1.782	0	%100
162	MP3A	Z	3.087	3.087	0	%100
163	MP4B	X	-1.844	-1.844	0	%100
164	MP4B	Z	3.195	3.195	0	%100
165	MP6B	X	-1.782	-1.782	0	%100
166	MP6B	Z	3.087	3.087	0	%100
167	MP3B	X	-1.844	-1.844	0	%100
168	MP3B	Z	3.195	3.195	0	%100
169	M163A	X	-1.782	-1.782	0	%100
170	M163A	Z	3.087	3.087	0	%100
171	M166	X	-.284	-.284	0	%100
172	M166	Z	.492	.492	0	%100
173	M169A	X	-.284	-.284	0	%100
174	M169A	Z	.492	.492	0	%100
175	MP2B	X	-1.844	-1.844	0	%100
176	MP2B	Z	3.195	3.195	0	%100
177	M173A	X	-1.135	-1.135	0	%100
178	M173A	Z	1.966	1.966	0	%100
179	M176	X	-1.135	-1.135	0	%100
180	M176	Z	1.966	1.966	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	-1.168	-1.168	0	%100
2	M1	Z	.675	.675	0	%100
3	M2	X	-1.168	-1.168	0	%100
4	M2	Z	.675	.675	0	%100
5	M3	X	-2.485	-2.485	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,%]
6	M3	Z	1.434	1.434	0	%100
7	M4	X	-2.485	-2.485	0	%100
8	M4	Z	1.435	1.435	0	%100
9	M5	X	-2.466	-2.466	0	%100
10	M5	Z	1.424	1.424	0	%100
11	M6	X	-.764	-.764	0	%100
12	M6	Z	.441	.441	0	%100
13	M7	X	-.764	-.764	0	%100
14	M7	Z	.441	.441	0	%100
15	M8	X	-3.055	-3.055	0	%100
16	M8	Z	1.764	1.764	0	%100
17	M9	X	-3.055	-3.055	0	%100
18	M9	Z	1.764	1.764	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-2.875	-2.875	0	%100
24	M12	Z	1.66	1.66	0	%100
25	M13	X	-2.875	-2.875	0	%100
26	M13	Z	1.66	1.66	0	%100
27	M14	X	-2.875	-2.875	0	%100
28	M14	Z	1.66	1.66	0	%100
29	M15	X	-1.556	-1.556	0	%100
30	M15	Z	.899	.899	0	%100
31	M16	X	-1.548	-1.548	0	%100
32	M16	Z	.894	.894	0	%100
33	M17	X	-2.875	-2.875	0	%100
34	M17	Z	1.66	1.66	0	%100
35	M18	X	-4.674	-4.674	0	%100
36	M18	Z	2.698	2.698	0	%100
37	M19	X	-4.674	-4.674	0	%100
38	M19	Z	2.698	2.698	0	%100
39	M20	X	-.764	-.764	0	%100
40	M20	Z	.441	.441	0	%100
41	M21	X	-.764	-.764	0	%100
42	M21	Z	.441	.441	0	%100
43	M22	X	-3.741	-3.741	0	%100
44	M22	Z	2.16	2.16	0	%100
45	M23	X	-3.741	-3.741	0	%100
46	M23	Z	2.16	2.16	0	%100
47	M24	X	-2.875	-2.875	0	%100
48	M24	Z	1.66	1.66	0	%100
49	M25	X	-2.875	-2.875	0	%100
50	M25	Z	1.66	1.66	0	%100
51	M26	X	-2.803	-2.803	0	%100
52	M26	Z	1.618	1.618	0	%100
53	M27	X	-2.803	-2.803	0	%100
54	M27	Z	1.618	1.618	0	%100
55	M28	X	-2.875	-2.875	0	%100
56	M28	Z	1.66	1.66	0	%100
57	M29	X	-1.168	-1.168	0	%100
58	M29	Z	.675	.675	0	%100
59	M30	X	-1.168	-1.168	0	%100
60	M30	Z	.675	.675	0	%100
61	M31	X	-3.741	-3.741	0	%100
62	M31	Z	2.16	2.16	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,%]
63	M32	X	-3.741	-3.741	0	%100
64	M32	Z	2.16	2.16	0	%100
65	M33	X	-2.875	-2.875	0	%100
66	M33	Z	1.66	1.66	0	%100
67	M34	X	-2.875	-2.875	0	%100
68	M34	Z	1.66	1.66	0	%100
69	M35	X	-2.803	-2.803	0	%100
70	M35	Z	1.618	1.618	0	%100
71	M36	X	-2.803	-2.803	0	%100
72	M36	Z	1.618	1.618	0	%100
73	M37	X	-4.114	-4.114	0	%100
74	M37	Z	2.376	2.376	0	%100
75	M38	X	-1.029	-1.029	0	%100
76	M38	Z	.594	.594	0	%100
77	M39	X	-1.029	-1.029	0	%100
78	M39	Z	.594	.594	0	%100
79	M49	X	-4.114	-4.114	0	%100
80	M49	Z	2.376	2.376	0	%100
81	M50	X	-1.029	-1.029	0	%100
82	M50	Z	.594	.594	0	%100
83	M51	X	-1.029	-1.029	0	%100
84	M51	Z	.594	.594	0	%100
85	M61	X	-2.485	-2.485	0	%100
86	M61	Z	1.434	1.434	0	%100
87	M62	X	-2.485	-2.485	0	%100
88	M62	Z	1.435	1.435	0	%100
89	M63	X	-2.466	-2.466	0	%100
90	M63	Z	1.424	1.424	0	%100
91	M64	X	-2.98	-2.98	0	%100
92	M64	Z	1.72	1.72	0	%100
93	M65	X	-2.98	-2.98	0	%100
94	M65	Z	1.72	1.72	0	%100
95	M66	X	-2.986	-2.986	0	%100
96	M66	Z	1.724	1.724	0	%100
97	M67	X	-2.98	-2.98	0	%100
98	M67	Z	1.72	1.72	0	%100
99	M68	X	-2.98	-2.98	0	%100
100	M68	Z	1.72	1.72	0	%100
101	M69	X	-2.986	-2.986	0	%100
102	M69	Z	1.724	1.724	0	%100
103	M70	X	-2.485	-2.485	0	%100
104	M70	Z	1.434	1.434	0	%100
105	M71	X	-2.485	-2.485	0	%100
106	M71	Z	1.435	1.435	0	%100
107	M72	X	-2.466	-2.466	0	%100
108	M72	Z	1.424	1.424	0	%100
109	M73	X	-2.485	-2.485	0	%100
110	M73	Z	1.434	1.434	0	%100
111	M74	X	-2.485	-2.485	0	%100
112	M74	Z	1.435	1.435	0	%100
113	M75	X	-2.466	-2.466	0	%100
114	M75	Z	1.424	1.424	0	%100
115	MP1A	X	-3.195	-3.195	0	%100
116	MP1A	Z	1.844	1.844	0	%100
117	MP2A	X	-3.087	-3.087	0	%100
118	MP2A	Z	1.782	1.782	0	%100
119	MP4A	X	-3.195	-3.195	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,%]
120	MP4A	Z	1.844	1.844	0	%100
121	MP5A	X	-3.195	-3.195	0	%100
122	MP5A	Z	1.844	1.844	0	%100
123	MPA	X	-3.087	-3.087	0	%100
124	MPA	Z	1.782	1.782	0	%100
125	MP6A	X	-3.195	-3.195	0	%100
126	MP6A	Z	1.844	1.844	0	%100
127	MP1C	X	-3.195	-3.195	0	%100
128	MP1C	Z	1.844	1.844	0	%100
129	MP1B	X	-3.195	-3.195	0	%100
130	MP1B	Z	1.844	1.844	0	%100
131	MPC	X	-3.087	-3.087	0	%100
132	MPC	Z	1.782	1.782	0	%100
133	MP2C	X	-3.087	-3.087	0	%100
134	MP2C	Z	1.782	1.782	0	%100
135	MP5C	X	-3.195	-3.195	0	%100
136	MP5C	Z	1.844	1.844	0	%100
137	MP6C	X	-3.087	-3.087	0	%100
138	MP6C	Z	1.782	1.782	0	%100
139	MPB	X	-3.087	-3.087	0	%100
140	MPB	Z	1.782	1.782	0	%100
141	MPB2	X	-3.087	-3.087	0	%100
142	MPB2	Z	1.782	1.782	0	%100
143	MP5B	X	-3.087	-3.087	0	%100
144	MP5B	Z	1.782	1.782	0	%100
145	MP4C	X	-3.195	-3.195	0	%100
146	MP4C	Z	1.844	1.844	0	%100
147	MP3C	X	-3.195	-3.195	0	%100
148	MP3C	Z	1.844	1.844	0	%100
149	M146	X	-4.674	-4.674	0	%100
150	M146	Z	2.698	2.698	0	%100
151	M147	X	-4.674	-4.674	0	%100
152	M147	Z	2.698	2.698	0	%100
153	M154	X	-1.168	-1.168	0	%100
154	M154	Z	.675	.675	0	%100
155	M155	X	-1.168	-1.168	0	%100
156	M155	Z	.675	.675	0	%100
157	M162	X	-1.168	-1.168	0	%100
158	M162	Z	.675	.675	0	%100
159	M163	X	-1.168	-1.168	0	%100
160	M163	Z	.675	.675	0	%100
161	MP3A	X	-3.087	-3.087	0	%100
162	MP3A	Z	1.782	1.782	0	%100
163	MP4B	X	-3.195	-3.195	0	%100
164	MP4B	Z	1.844	1.844	0	%100
165	MP6B	X	-3.087	-3.087	0	%100
166	MP6B	Z	1.782	1.782	0	%100
167	MP3B	X	-3.195	-3.195	0	%100
168	MP3B	Z	1.844	1.844	0	%100
169	M163A	X	-3.087	-3.087	0	%100
170	M163A	Z	1.782	1.782	0	%100
171	M166	X	-1.475	-1.475	0	%100
172	M166	Z	.851	.851	0	%100
173	M169A	X	-1.475	-1.475	0	%100
174	M169A	Z	.851	.851	0	%100
175	MP2B	X	-3.195	-3.195	0	%100
176	MP2B	Z	1.844	1.844	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,%]
177	M173A	X	-1.475	-1.475	0	%100
178	M173A	Z	.851	.851	0	%100
179	M176	X	-1.475	-1.475	0	%100
180	M176	Z	.851	.851	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.678	-2.678	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-2.679	-2.679	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-2.647	-2.647	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	-2.646	-2.646	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-2.646	-2.646	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-2.646	-2.646	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-2.646	-2.646	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-1.44	-1.44	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-1.44	-1.44	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-3.32	-3.32	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-3.32	-3.32	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-3.32	-3.32	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-2.277	-2.277	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-2.27	-2.27	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-3.32	-3.32	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-4.048	-4.048	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-4.048	-4.048	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-1.44	-1.44	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-1.44	-1.44	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-3.32	-3.32	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	-3.32	-3.32	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,%]
50	M25	Z	0	0	0	%100
51	M26	X	-2.277	-2.277	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-2.27	-2.27	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-3.32	-3.32	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-4.048	-4.048	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-4.048	-4.048	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-5.76	-5.76	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-5.76	-5.76	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-3.32	-3.32	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	-3.32	-3.32	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	-3.716	-3.716	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	-3.72	-3.72	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	-3.563	-3.563	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	-3.563	-3.563	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	-3.563	-3.563	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	0	0	0	%100
83	M51	X	-3.563	-3.563	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	-2.678	-2.678	0	%100
86	M61	Z	0	0	0	%100
87	M62	X	-2.679	-2.679	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	-2.647	-2.647	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-3.25	-3.25	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	-3.25	-3.25	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	-3.248	-3.248	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	-3.25	-3.25	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	-3.25	-3.25	0	%100
100	M68	Z	0	0	0	%100
101	M69	X	-3.248	-3.248	0	%100
102	M69	Z	0	0	0	%100
103	M70	X	-3.25	-3.25	0	%100
104	M70	Z	0	0	0	%100
105	M71	X	-3.25	-3.25	0	%100
106	M71	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,%]
107	M72	X	-3.248	-3.248	0	%100
108	M72	Z	0	0	0	%100
109	M73	X	-3.25	-3.25	0	%100
110	M73	Z	0	0	0	%100
111	M74	X	-3.25	-3.25	0	%100
112	M74	Z	0	0	0	%100
113	M75	X	-3.248	-3.248	0	%100
114	M75	Z	0	0	0	%100
115	MP1A	X	-3.689	-3.689	0	%100
116	MP1A	Z	0	0	0	%100
117	MP2A	X	-3.564	-3.564	0	%100
118	MP2A	Z	0	0	0	%100
119	MP4A	X	-3.689	-3.689	0	%100
120	MP4A	Z	0	0	0	%100
121	MP5A	X	-3.689	-3.689	0	%100
122	MP5A	Z	0	0	0	%100
123	MPA	X	-3.564	-3.564	0	%100
124	MPA	Z	0	0	0	%100
125	MP6A	X	-3.689	-3.689	0	%100
126	MP6A	Z	0	0	0	%100
127	MP1C	X	-3.689	-3.689	0	%100
128	MP1C	Z	0	0	0	%100
129	MP1B	X	-3.689	-3.689	0	%100
130	MP1B	Z	0	0	0	%100
131	MPC	X	-3.564	-3.564	0	%100
132	MPC	Z	0	0	0	%100
133	MP2C	X	-3.564	-3.564	0	%100
134	MP2C	Z	0	0	0	%100
135	MP5C	X	-3.689	-3.689	0	%100
136	MP5C	Z	0	0	0	%100
137	MP6C	X	-3.564	-3.564	0	%100
138	MP6C	Z	0	0	0	%100
139	MPB	X	-3.564	-3.564	0	%100
140	MPB	Z	0	0	0	%100
141	MPB2	X	-3.564	-3.564	0	%100
142	MPB2	Z	0	0	0	%100
143	MP5B	X	-3.564	-3.564	0	%100
144	MP5B	Z	0	0	0	%100
145	MP4C	X	-3.689	-3.689	0	%100
146	MP4C	Z	0	0	0	%100
147	MP3C	X	-3.689	-3.689	0	%100
148	MP3C	Z	0	0	0	%100
149	M146	X	-4.048	-4.048	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	-4.048	-4.048	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	-4.048	-4.048	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	-4.048	-4.048	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	0	0	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	0	0	0	%100
161	MP3A	X	-3.564	-3.564	0	%100
162	MP3A	Z	0	0	0	%100
163	MP4B	X	-3.689	-3.689	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, %]
164	MP4B	Z	0	0	0	%100
165	MP6B	X	-3.564	-3.564	0	%100
166	MP6B	Z	0	0	0	%100
167	MP3B	X	-3.689	-3.689	0	%100
168	MP3B	Z	0	0	0	%100
169	M163A	X	-3.564	-3.564	0	%100
170	M163A	Z	0	0	0	%100
171	M166	X	-2.27	-2.27	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	-2.27	-2.27	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	-3.689	-3.689	0	%100
176	MP2B	Z	0	0	0	%100
177	M173A	X	-.568	-.568	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	-.568	-.568	0	%100
180	M176	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	-1.168	-1.168	0	%100
2	M1	Z	-.675	-.675	0	%100
3	M2	X	-1.168	-1.168	0	%100
4	M2	Z	-.675	-.675	0	%100
5	M3	X	-2.485	-2.485	0	%100
6	M3	Z	-1.434	-1.434	0	%100
7	M4	X	-2.485	-2.485	0	%100
8	M4	Z	-1.435	-1.435	0	%100
9	M5	X	-2.466	-2.466	0	%100
10	M5	Z	-1.424	-1.424	0	%100
11	M6	X	-3.055	-3.055	0	%100
12	M6	Z	-1.764	-1.764	0	%100
13	M7	X	-3.055	-3.055	0	%100
14	M7	Z	-1.764	-1.764	0	%100
15	M8	X	-.764	-.764	0	%100
16	M8	Z	-.441	-.441	0	%100
17	M9	X	-.764	-.764	0	%100
18	M9	Z	-.441	-.441	0	%100
19	M10	X	-3.741	-3.741	0	%100
20	M10	Z	-2.16	-2.16	0	%100
21	M11	X	-3.741	-3.741	0	%100
22	M11	Z	-2.16	-2.16	0	%100
23	M12	X	-2.875	-2.875	0	%100
24	M12	Z	-1.66	-1.66	0	%100
25	M13	X	-2.875	-2.875	0	%100
26	M13	Z	-1.66	-1.66	0	%100
27	M14	X	-2.875	-2.875	0	%100
28	M14	Z	-1.66	-1.66	0	%100
29	M15	X	-2.803	-2.803	0	%100
30	M15	Z	-1.618	-1.618	0	%100
31	M16	X	-2.803	-2.803	0	%100
32	M16	Z	-1.618	-1.618	0	%100
33	M17	X	-2.875	-2.875	0	%100
34	M17	Z	-1.66	-1.66	0	%100
35	M18	X	-1.168	-1.168	0	%100
36	M18	Z	-.675	-.675	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,%]
37	M19	X	-1.168	-1.168	0	%100
38	M19	Z	-.675	-.675	0	%100
39	M20	X	-.764	-.764	0	%100
40	M20	Z	-.441	-.441	0	%100
41	M21	X	-.764	-.764	0	%100
42	M21	Z	-.441	-.441	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-2.875	-2.875	0	%100
48	M24	Z	-1.66	-1.66	0	%100
49	M25	X	-2.875	-2.875	0	%100
50	M25	Z	-1.66	-1.66	0	%100
51	M26	X	-1.556	-1.556	0	%100
52	M26	Z	-.899	-.899	0	%100
53	M27	X	-1.548	-1.548	0	%100
54	M27	Z	-.894	-.894	0	%100
55	M28	X	-2.875	-2.875	0	%100
56	M28	Z	-1.66	-1.66	0	%100
57	M29	X	-4.674	-4.674	0	%100
58	M29	Z	-2.698	-2.698	0	%100
59	M30	X	-4.674	-4.674	0	%100
60	M30	Z	-2.698	-2.698	0	%100
61	M31	X	-3.741	-3.741	0	%100
62	M31	Z	-2.16	-2.16	0	%100
63	M32	X	-3.741	-3.741	0	%100
64	M32	Z	-2.16	-2.16	0	%100
65	M33	X	-2.875	-2.875	0	%100
66	M33	Z	-1.66	-1.66	0	%100
67	M34	X	-2.875	-2.875	0	%100
68	M34	Z	-1.66	-1.66	0	%100
69	M35	X	-2.803	-2.803	0	%100
70	M35	Z	-1.618	-1.618	0	%100
71	M36	X	-2.803	-2.803	0	%100
72	M36	Z	-1.618	-1.618	0	%100
73	M37	X	-1.029	-1.029	0	%100
74	M37	Z	-.594	-.594	0	%100
75	M38	X	-1.029	-1.029	0	%100
76	M38	Z	-.594	-.594	0	%100
77	M39	X	-4.114	-4.114	0	%100
78	M39	Z	-2.376	-2.376	0	%100
79	M49	X	-1.029	-1.029	0	%100
80	M49	Z	-.594	-.594	0	%100
81	M50	X	-1.029	-1.029	0	%100
82	M50	Z	-.594	-.594	0	%100
83	M51	X	-4.114	-4.114	0	%100
84	M51	Z	-2.376	-2.376	0	%100
85	M61	X	-2.485	-2.485	0	%100
86	M61	Z	-1.434	-1.434	0	%100
87	M62	X	-2.485	-2.485	0	%100
88	M62	Z	-1.435	-1.435	0	%100
89	M63	X	-2.466	-2.466	0	%100
90	M63	Z	-1.424	-1.424	0	%100
91	M64	X	-2.485	-2.485	0	%100
92	M64	Z	-1.434	-1.434	0	%100
93	M65	X	-2.485	-2.485	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,%]
94	M65	Z	-1.435	-1.435	0	%100
95	M66	X	-2.466	-2.466	0	%100
96	M66	Z	-1.424	-1.424	0	%100
97	M67	X	-2.485	-2.485	0	%100
98	M67	Z	-1.434	-1.434	0	%100
99	M68	X	-2.485	-2.485	0	%100
100	M68	Z	-1.435	-1.435	0	%100
101	M69	X	-2.466	-2.466	0	%100
102	M69	Z	-1.424	-1.424	0	%100
103	M70	X	-2.98	-2.98	0	%100
104	M70	Z	-1.72	-1.72	0	%100
105	M71	X	-2.98	-2.98	0	%100
106	M71	Z	-1.72	-1.72	0	%100
107	M72	X	-2.986	-2.986	0	%100
108	M72	Z	-1.724	-1.724	0	%100
109	M73	X	-2.98	-2.98	0	%100
110	M73	Z	-1.72	-1.72	0	%100
111	M74	X	-2.98	-2.98	0	%100
112	M74	Z	-1.72	-1.72	0	%100
113	M75	X	-2.986	-2.986	0	%100
114	M75	Z	-1.724	-1.724	0	%100
115	MP1A	X	-3.195	-3.195	0	%100
116	MP1A	Z	-1.844	-1.844	0	%100
117	MP2A	X	-3.087	-3.087	0	%100
118	MP2A	Z	-1.782	-1.782	0	%100
119	MP4A	X	-3.195	-3.195	0	%100
120	MP4A	Z	-1.844	-1.844	0	%100
121	MP5A	X	-3.195	-3.195	0	%100
122	MP5A	Z	-1.844	-1.844	0	%100
123	MPA	X	-3.087	-3.087	0	%100
124	MPA	Z	-1.782	-1.782	0	%100
125	MP6A	X	-3.195	-3.195	0	%100
126	MP6A	Z	-1.844	-1.844	0	%100
127	MP1C	X	-3.195	-3.195	0	%100
128	MP1C	Z	-1.844	-1.844	0	%100
129	MP1B	X	-3.195	-3.195	0	%100
130	MP1B	Z	-1.844	-1.844	0	%100
131	MPC	X	-3.087	-3.087	0	%100
132	MPC	Z	-1.782	-1.782	0	%100
133	MP2C	X	-3.087	-3.087	0	%100
134	MP2C	Z	-1.782	-1.782	0	%100
135	MP5C	X	-3.195	-3.195	0	%100
136	MP5C	Z	-1.844	-1.844	0	%100
137	MP6C	X	-3.087	-3.087	0	%100
138	MP6C	Z	-1.782	-1.782	0	%100
139	MPB	X	-3.087	-3.087	0	%100
140	MPB	Z	-1.782	-1.782	0	%100
141	MPB2	X	-3.087	-3.087	0	%100
142	MPB2	Z	-1.782	-1.782	0	%100
143	MP5B	X	-3.087	-3.087	0	%100
144	MP5B	Z	-1.782	-1.782	0	%100
145	MP4C	X	-3.195	-3.195	0	%100
146	MP4C	Z	-1.844	-1.844	0	%100
147	MP3C	X	-3.195	-3.195	0	%100
148	MP3C	Z	-1.844	-1.844	0	%100
149	M146	X	-1.168	-1.168	0	%100
150	M146	Z	-.675	-.675	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, %]
151	M147	X	-1.168	-1.168	0	%100
152	M147	Z	-.675	-.675	0	%100
153	M154	X	-4.674	-4.674	0	%100
154	M154	Z	-2.698	-2.698	0	%100
155	M155	X	-4.674	-4.674	0	%100
156	M155	Z	-2.698	-2.698	0	%100
157	M162	X	-1.168	-1.168	0	%100
158	M162	Z	-.675	-.675	0	%100
159	M163	X	-1.168	-1.168	0	%100
160	M163	Z	-.675	-.675	0	%100
161	MP3A	X	-3.087	-3.087	0	%100
162	MP3A	Z	-1.782	-1.782	0	%100
163	MP4B	X	-3.195	-3.195	0	%100
164	MP4B	Z	-1.844	-1.844	0	%100
165	MP6B	X	-3.087	-3.087	0	%100
166	MP6B	Z	-1.782	-1.782	0	%100
167	MP3B	X	-3.195	-3.195	0	%100
168	MP3B	Z	-1.844	-1.844	0	%100
169	M163A	X	-3.087	-3.087	0	%100
170	M163A	Z	-1.782	-1.782	0	%100
171	M166	X	-1.475	-1.475	0	%100
172	M166	Z	-.851	-.851	0	%100
173	M169A	X	-1.475	-1.475	0	%100
174	M169A	Z	-.851	-.851	0	%100
175	MP2B	X	-3.195	-3.195	0	%100
176	MP2B	Z	-1.844	-1.844	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	0	0	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	-2.024	-2.024	0	%100
2	M1	Z	-3.505	-3.505	0	%100
3	M2	X	-2.024	-2.024	0	%100
4	M2	Z	-3.505	-3.505	0	%100
5	M3	X	-1.625	-1.625	0	%100
6	M3	Z	-2.815	-2.815	0	%100
7	M4	X	-1.625	-1.625	0	%100
8	M4	Z	-2.815	-2.815	0	%100
9	M5	X	-1.624	-1.624	0	%100
10	M5	Z	-2.812	-2.812	0	%100
11	M6	X	-1.323	-1.323	0	%100
12	M6	Z	-2.291	-2.291	0	%100
13	M7	X	-1.323	-1.323	0	%100
14	M7	Z	-2.291	-2.291	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-2.88	-2.88	0	%100
20	M10	Z	-4.988	-4.988	0	%100
21	M11	X	-2.88	-2.88	0	%100
22	M11	Z	-4.988	-4.988	0	%100
23	M12	X	-1.66	-1.66	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,%]
24	M12	Z	-2.875	-2.875	0	%100
25	M13	X	-1.66	-1.66	0	%100
26	M13	Z	-2.875	-2.875	0	%100
27	M14	X	-1.66	-1.66	0	%100
28	M14	Z	-2.875	-2.875	0	%100
29	M15	X	-1.858	-1.858	0	%100
30	M15	Z	-3.218	-3.218	0	%100
31	M16	X	-1.86	-1.86	0	%100
32	M16	Z	-3.222	-3.222	0	%100
33	M17	X	-1.66	-1.66	0	%100
34	M17	Z	-2.875	-2.875	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-1.323	-1.323	0	%100
40	M20	Z	-2.291	-2.291	0	%100
41	M21	X	-1.323	-1.323	0	%100
42	M21	Z	-2.291	-2.291	0	%100
43	M22	X	-.72	-.72	0	%100
44	M22	Z	-1.247	-1.247	0	%100
45	M23	X	-.72	-.72	0	%100
46	M23	Z	-1.247	-1.247	0	%100
47	M24	X	-1.66	-1.66	0	%100
48	M24	Z	-2.875	-2.875	0	%100
49	M25	X	-1.66	-1.66	0	%100
50	M25	Z	-2.875	-2.875	0	%100
51	M26	X	-1.138	-1.138	0	%100
52	M26	Z	-1.972	-1.972	0	%100
53	M27	X	-1.135	-1.135	0	%100
54	M27	Z	-1.966	-1.966	0	%100
55	M28	X	-1.66	-1.66	0	%100
56	M28	Z	-2.875	-2.875	0	%100
57	M29	X	-2.024	-2.024	0	%100
58	M29	Z	-3.505	-3.505	0	%100
59	M30	X	-2.024	-2.024	0	%100
60	M30	Z	-3.505	-3.505	0	%100
61	M31	X	-.72	-.72	0	%100
62	M31	Z	-1.247	-1.247	0	%100
63	M32	X	-.72	-.72	0	%100
64	M32	Z	-1.247	-1.247	0	%100
65	M33	X	-1.66	-1.66	0	%100
66	M33	Z	-2.875	-2.875	0	%100
67	M34	X	-1.66	-1.66	0	%100
68	M34	Z	-2.875	-2.875	0	%100
69	M35	X	-1.138	-1.138	0	%100
70	M35	Z	-1.972	-1.972	0	%100
71	M36	X	-1.135	-1.135	0	%100
72	M36	Z	-1.966	-1.966	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	-1.782	-1.782	0	%100
76	M38	Z	-3.086	-3.086	0	%100
77	M39	X	-1.782	-1.782	0	%100
78	M39	Z	-3.086	-3.086	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	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,%]
81	M50	X	-1.782	-1.782	0	%100
82	M50	Z	-3.086	-3.086	0	%100
83	M51	X	-1.782	-1.782	0	%100
84	M51	Z	-3.086	-3.086	0	%100
85	M61	X	-1.625	-1.625	0	%100
86	M61	Z	-2.815	-2.815	0	%100
87	M62	X	-1.625	-1.625	0	%100
88	M62	Z	-2.815	-2.815	0	%100
89	M63	X	-1.624	-1.624	0	%100
90	M63	Z	-2.812	-2.812	0	%100
91	M64	X	-1.339	-1.339	0	%100
92	M64	Z	-2.32	-2.32	0	%100
93	M65	X	-1.339	-1.339	0	%100
94	M65	Z	-2.32	-2.32	0	%100
95	M66	X	-1.324	-1.324	0	%100
96	M66	Z	-2.292	-2.292	0	%100
97	M67	X	-1.339	-1.339	0	%100
98	M67	Z	-2.32	-2.32	0	%100
99	M68	X	-1.339	-1.339	0	%100
100	M68	Z	-2.32	-2.32	0	%100
101	M69	X	-1.324	-1.324	0	%100
102	M69	Z	-2.292	-2.292	0	%100
103	M70	X	-1.625	-1.625	0	%100
104	M70	Z	-2.815	-2.815	0	%100
105	M71	X	-1.625	-1.625	0	%100
106	M71	Z	-2.815	-2.815	0	%100
107	M72	X	-1.624	-1.624	0	%100
108	M72	Z	-2.812	-2.812	0	%100
109	M73	X	-1.625	-1.625	0	%100
110	M73	Z	-2.815	-2.815	0	%100
111	M74	X	-1.625	-1.625	0	%100
112	M74	Z	-2.815	-2.815	0	%100
113	M75	X	-1.624	-1.624	0	%100
114	M75	Z	-2.812	-2.812	0	%100
115	MP1A	X	-1.844	-1.844	0	%100
116	MP1A	Z	-3.195	-3.195	0	%100
117	MP2A	X	-1.782	-1.782	0	%100
118	MP2A	Z	-3.087	-3.087	0	%100
119	MP4A	X	-1.844	-1.844	0	%100
120	MP4A	Z	-3.195	-3.195	0	%100
121	MP5A	X	-1.844	-1.844	0	%100
122	MP5A	Z	-3.195	-3.195	0	%100
123	MPA	X	-1.782	-1.782	0	%100
124	MPA	Z	-3.087	-3.087	0	%100
125	MP6A	X	-1.844	-1.844	0	%100
126	MP6A	Z	-3.195	-3.195	0	%100
127	MP1C	X	-1.844	-1.844	0	%100
128	MP1C	Z	-3.195	-3.195	0	%100
129	MP1B	X	-1.844	-1.844	0	%100
130	MP1B	Z	-3.195	-3.195	0	%100
131	MPC	X	-1.782	-1.782	0	%100
132	MPC	Z	-3.087	-3.087	0	%100
133	MP2C	X	-1.782	-1.782	0	%100
134	MP2C	Z	-3.087	-3.087	0	%100
135	MP5C	X	-1.844	-1.844	0	%100
136	MP5C	Z	-3.195	-3.195	0	%100
137	MP6C	X	-1.782	-1.782	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, %]
138	MP6C	Z	-3.087	-3.087	0	%100
139	MPB	X	-1.782	-1.782	0	%100
140	MPB	Z	-3.087	-3.087	0	%100
141	MPB2	X	-1.782	-1.782	0	%100
142	MPB2	Z	-3.087	-3.087	0	%100
143	MP5B	X	-1.782	-1.782	0	%100
144	MP5B	Z	-3.087	-3.087	0	%100
145	MP4C	X	-1.844	-1.844	0	%100
146	MP4C	Z	-3.195	-3.195	0	%100
147	MP3C	X	-1.844	-1.844	0	%100
148	MP3C	Z	-3.195	-3.195	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	-2.024	-2.024	0	%100
154	M154	Z	-3.505	-3.505	0	%100
155	M155	X	-2.024	-2.024	0	%100
156	M155	Z	-3.505	-3.505	0	%100
157	M162	X	-2.024	-2.024	0	%100
158	M162	Z	-3.505	-3.505	0	%100
159	M163	X	-2.024	-2.024	0	%100
160	M163	Z	-3.505	-3.505	0	%100
161	MP3A	X	-1.782	-1.782	0	%100
162	MP3A	Z	-3.087	-3.087	0	%100
163	MP4B	X	-1.844	-1.844	0	%100
164	MP4B	Z	-3.195	-3.195	0	%100
165	MP6B	X	-1.782	-1.782	0	%100
166	MP6B	Z	-3.087	-3.087	0	%100
167	MP3B	X	-1.844	-1.844	0	%100
168	MP3B	Z	-3.195	-3.195	0	%100
169	M163A	X	-1.782	-1.782	0	%100
170	M163A	Z	-3.087	-3.087	0	%100
171	M166	X	-.284	-.284	0	%100
172	M166	Z	-.492	-.492	0	%100
173	M169A	X	-.284	-.284	0	%100
174	M169A	Z	-.492	-.492	0	%100
175	MP2B	X	-1.844	-1.844	0	%100
176	MP2B	Z	-3.195	-3.195	0	%100
177	M173A	X	-.284	-.284	0	%100
178	M173A	Z	-.492	-.492	0	%100
179	M176	X	-.284	-.284	0	%100
180	M176	Z	-.492	-.492	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-1.171	-1.171	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-1.171	-1.171	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.677	-.677	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	-.677	-.677	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	-.678	-.678	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, %]
11	M6	X	0	0	0	%100
12	M6	Z	-.205	-.205	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	-.205	-.205	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	-.205	-.205	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	-.205	-.205	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	-.986	-.986	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	-.986	-.986	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	-.651	-.651	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	-.651	-.651	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	-.651	-.651	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	-.641	-.641	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	-.641	-.641	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	-.651	-.651	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	-.293	-.293	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	-.293	-.293	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	-.82	-.82	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	-.82	-.82	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	-.986	-.986	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	-.986	-.986	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	-.651	-.651	0	%100
49	M25	X	0	0	0	%100
50	M25	Z	-.651	-.651	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	-.641	-.641	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	-.641	-.641	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	-.651	-.651	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	-.293	-.293	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	-.293	-.293	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	-.651	-.651	0	%100
67	M34	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,%]
68	M34	Z	-.651	-.651	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	-.356	-.356	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	-.354	-.354	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	-.263	-.263	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	-1.051	-1.051	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	-.263	-.263	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	-.263	-.263	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	-1.051	-1.051	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	-.263	-.263	0	%100
85	M61	X	0	0	0	%100
86	M61	Z	-.677	-.677	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	-.677	-.677	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	-.678	-.678	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	-.564	-.564	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	-.564	-.564	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	-.56	-.56	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	-.564	-.564	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	-.564	-.564	0	%100
101	M69	X	0	0	0	%100
102	M69	Z	-.56	-.56	0	%100
103	M70	X	0	0	0	%100
104	M70	Z	-.564	-.564	0	%100
105	M71	X	0	0	0	%100
106	M71	Z	-.564	-.564	0	%100
107	M72	X	0	0	0	%100
108	M72	Z	-.56	-.56	0	%100
109	M73	X	0	0	0	%100
110	M73	Z	-.564	-.564	0	%100
111	M74	X	0	0	0	%100
112	M74	Z	-.564	-.564	0	%100
113	M75	X	0	0	0	%100
114	M75	Z	-.56	-.56	0	%100
115	MP1A	X	0	0	0	%100
116	MP1A	Z	-.556	-.556	0	%100
117	MP2A	X	0	0	0	%100
118	MP2A	Z	-.556	-.556	0	%100
119	MP4A	X	0	0	0	%100
120	MP4A	Z	-.556	-.556	0	%100
121	MP5A	X	0	0	0	%100
122	MP5A	Z	-.556	-.556	0	%100
123	MPA	X	0	0	0	%100
124	MPA	Z	-.556	-.556	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,%]
125	MP6A	X	0	0	0	%100
126	MP6A	Z	-.556	-.556	0	%100
127	MP1C	X	0	0	0	%100
128	MP1C	Z	-.556	-.556	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	-.556	-.556	0	%100
131	MPC	X	0	0	0	%100
132	MPC	Z	-.556	-.556	0	%100
133	MP2C	X	0	0	0	%100
134	MP2C	Z	-.556	-.556	0	%100
135	MP5C	X	0	0	0	%100
136	MP5C	Z	-.556	-.556	0	%100
137	MP6C	X	0	0	0	%100
138	MP6C	Z	-.556	-.556	0	%100
139	MPB	X	0	0	0	%100
140	MPB	Z	-.556	-.556	0	%100
141	MPB2	X	0	0	0	%100
142	MPB2	Z	-.556	-.556	0	%100
143	MP5B	X	0	0	0	%100
144	MP5B	Z	-.556	-.556	0	%100
145	MP4C	X	0	0	0	%100
146	MP4C	Z	-.556	-.556	0	%100
147	MP3C	X	0	0	0	%100
148	MP3C	Z	-.556	-.556	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	-.293	-.293	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	-.293	-.293	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	-.293	-.293	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	-.293	-.293	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	-1.171	-1.171	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	-1.171	-1.171	0	%100
161	MP3A	X	0	0	0	%100
162	MP3A	Z	-.556	-.556	0	%100
163	MP4B	X	0	0	0	%100
164	MP4B	Z	-.556	-.556	0	%100
165	MP6B	X	0	0	0	%100
166	MP6B	Z	-.556	-.556	0	%100
167	MP3B	X	0	0	0	%100
168	MP3B	Z	-.556	-.556	0	%100
169	M163A	X	0	0	0	%100
170	M163A	Z	-.556	-.556	0	%100
171	M166	X	0	0	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	0	0	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	0	0	0	%100
176	MP2B	Z	-.556	-.556	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	-.263	-.263	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	-.263	-.263	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	.439	.439	0	%100
2	M1	Z	-.761	-.761	0	%100
3	M2	X	.439	.439	0	%100
4	M2	Z	-.761	-.761	0	%100
5	M3	X	.32	.32	0	%100
6	M3	Z	-.554	-.554	0	%100
7	M4	X	.32	.32	0	%100
8	M4	Z	-.554	-.554	0	%100
9	M5	X	.319	.319	0	%100
10	M5	Z	-.553	-.553	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	.307	.307	0	%100
16	M8	Z	-.533	-.533	0	%100
17	M9	X	.307	.307	0	%100
18	M9	Z	-.533	-.533	0	%100
19	M10	X	.164	.164	0	%100
20	M10	Z	-.285	-.285	0	%100
21	M11	X	.164	.164	0	%100
22	M11	Z	-.285	-.285	0	%100
23	M12	X	.325	.325	0	%100
24	M12	Z	-.564	-.564	0	%100
25	M13	X	.325	.325	0	%100
26	M13	Z	-.564	-.564	0	%100
27	M14	X	.325	.325	0	%100
28	M14	Z	-.564	-.564	0	%100
29	M15	X	.226	.226	0	%100
30	M15	Z	-.391	-.391	0	%100
31	M16	X	.225	.225	0	%100
32	M16	Z	-.39	-.39	0	%100
33	M17	X	.325	.325	0	%100
34	M17	Z	-.564	-.564	0	%100
35	M18	X	.439	.439	0	%100
36	M18	Z	-.761	-.761	0	%100
37	M19	X	.439	.439	0	%100
38	M19	Z	-.761	-.761	0	%100
39	M20	X	.307	.307	0	%100
40	M20	Z	-.533	-.533	0	%100
41	M21	X	.307	.307	0	%100
42	M21	Z	-.533	-.533	0	%100
43	M22	X	.657	.657	0	%100
44	M22	Z	-1.138	-1.138	0	%100
45	M23	X	.657	.657	0	%100
46	M23	Z	-1.138	-1.138	0	%100
47	M24	X	.325	.325	0	%100
48	M24	Z	-.564	-.564	0	%100
49	M25	X	.325	.325	0	%100
50	M25	Z	-.564	-.564	0	%100
51	M26	X	.368	.368	0	%100
52	M26	Z	-.638	-.638	0	%100
53	M27	X	.369	.369	0	%100
54	M27	Z	-.638	-.638	0	%100
55	M28	X	.325	.325	0	%100
56	M28	Z	-.564	-.564	0	%100
57	M29	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	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	.164	.164	0	%100
62	M31	Z	-.285	-.285	0	%100
63	M32	X	.164	.164	0	%100
64	M32	Z	-.285	-.285	0	%100
65	M33	X	.325	.325	0	%100
66	M33	Z	-.564	-.564	0	%100
67	M34	X	.325	.325	0	%100
68	M34	Z	-.564	-.564	0	%100
69	M35	X	.226	.226	0	%100
70	M35	Z	-.391	-.391	0	%100
71	M36	X	.225	.225	0	%100
72	M36	Z	-.39	-.39	0	%100
73	M37	X	.394	.394	0	%100
74	M37	Z	-.683	-.683	0	%100
75	M38	X	.394	.394	0	%100
76	M38	Z	-.683	-.683	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	.394	.394	0	%100
80	M49	Z	-.683	-.683	0	%100
81	M50	X	.394	.394	0	%100
82	M50	Z	-.683	-.683	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	.32	.32	0	%100
86	M61	Z	-.554	-.554	0	%100
87	M62	X	.32	.32	0	%100
88	M62	Z	-.554	-.554	0	%100
89	M63	X	.319	.319	0	%100
90	M63	Z	-.553	-.553	0	%100
91	M64	X	.32	.32	0	%100
92	M64	Z	-.554	-.554	0	%100
93	M65	X	.32	.32	0	%100
94	M65	Z	-.554	-.554	0	%100
95	M66	X	.319	.319	0	%100
96	M66	Z	-.553	-.553	0	%100
97	M67	X	.32	.32	0	%100
98	M67	Z	-.554	-.554	0	%100
99	M68	X	.32	.32	0	%100
100	M68	Z	-.554	-.554	0	%100
101	M69	X	.319	.319	0	%100
102	M69	Z	-.553	-.553	0	%100
103	M70	X	.263	.263	0	%100
104	M70	Z	-.456	-.456	0	%100
105	M71	X	.263	.263	0	%100
106	M71	Z	-.456	-.456	0	%100
107	M72	X	.26	.26	0	%100
108	M72	Z	-.451	-.451	0	%100
109	M73	X	.263	.263	0	%100
110	M73	Z	-.456	-.456	0	%100
111	M74	X	.263	.263	0	%100
112	M74	Z	-.456	-.456	0	%100
113	M75	X	.26	.26	0	%100
114	M75	Z	-.451	-.451	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	MP1A	X	.278	.278	0	%100
116	MP1A	Z	-.482	-.482	0	%100
117	MP2A	X	.278	.278	0	%100
118	MP2A	Z	-.482	-.482	0	%100
119	MP4A	X	.278	.278	0	%100
120	MP4A	Z	-.482	-.482	0	%100
121	MP5A	X	.278	.278	0	%100
122	MP5A	Z	-.482	-.482	0	%100
123	MPA	X	.278	.278	0	%100
124	MPA	Z	-.482	-.482	0	%100
125	MP6A	X	.278	.278	0	%100
126	MP6A	Z	-.482	-.482	0	%100
127	MP1C	X	.278	.278	0	%100
128	MP1C	Z	-.482	-.482	0	%100
129	MP1B	X	.278	.278	0	%100
130	MP1B	Z	-.482	-.482	0	%100
131	MPC	X	.278	.278	0	%100
132	MPC	Z	-.482	-.482	0	%100
133	MP2C	X	.278	.278	0	%100
134	MP2C	Z	-.482	-.482	0	%100
135	MP5C	X	.278	.278	0	%100
136	MP5C	Z	-.482	-.482	0	%100
137	MP6C	X	.278	.278	0	%100
138	MP6C	Z	-.482	-.482	0	%100
139	MPB	X	.278	.278	0	%100
140	MPB	Z	-.482	-.482	0	%100
141	MPB2	X	.278	.278	0	%100
142	MPB2	Z	-.482	-.482	0	%100
143	MP5B	X	.278	.278	0	%100
144	MP5B	Z	-.482	-.482	0	%100
145	MP4C	X	.278	.278	0	%100
146	MP4C	Z	-.482	-.482	0	%100
147	MP3C	X	.278	.278	0	%100
148	MP3C	Z	-.482	-.482	0	%100
149	M146	X	.439	.439	0	%100
150	M146	Z	-.761	-.761	0	%100
151	M147	X	.439	.439	0	%100
152	M147	Z	-.761	-.761	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	.439	.439	0	%100
158	M162	Z	-.761	-.761	0	%100
159	M163	X	.439	.439	0	%100
160	M163	Z	-.761	-.761	0	%100
161	MP3A	X	.278	.278	0	%100
162	MP3A	Z	-.482	-.482	0	%100
163	MP4B	X	.278	.278	0	%100
164	MP4B	Z	-.482	-.482	0	%100
165	MP6B	X	.278	.278	0	%100
166	MP6B	Z	-.482	-.482	0	%100
167	MP3B	X	.278	.278	0	%100
168	MP3B	Z	-.482	-.482	0	%100
169	M163A	X	.278	.278	0	%100
170	M163A	Z	-.482	-.482	0	%100
171	M166	X	.044	.044	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,%]
172	M166	Z	-.076	-.076	0	%100
173	M169A	X	.044	.044	0	%100
174	M169A	Z	-.076	-.076	0	%100
175	MP2B	X	.278	.278	0	%100
176	MP2B	Z	-.482	-.482	0	%100
177	M173A	X	.175	.175	0	%100
178	M173A	Z	-.304	-.304	0	%100
179	M176	X	.175	.175	0	%100
180	M176	Z	-.304	-.304	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	.254	.254	0	%100
2	M1	Z	-.146	-.146	0	%100
3	M2	X	.254	.254	0	%100
4	M2	Z	-.146	-.146	0	%100
5	M3	X	.489	.489	0	%100
6	M3	Z	-.282	-.282	0	%100
7	M4	X	.489	.489	0	%100
8	M4	Z	-.282	-.282	0	%100
9	M5	X	.485	.485	0	%100
10	M5	Z	-.28	-.28	0	%100
11	M6	X	.178	.178	0	%100
12	M6	Z	-.102	-.102	0	%100
13	M7	X	.178	.178	0	%100
14	M7	Z	-.102	-.102	0	%100
15	M8	X	.71	.71	0	%100
16	M8	Z	-.41	-.41	0	%100
17	M9	X	.71	.71	0	%100
18	M9	Z	-.41	-.41	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.564	.564	0	%100
24	M12	Z	-.325	-.325	0	%100
25	M13	X	.564	.564	0	%100
26	M13	Z	-.325	-.325	0	%100
27	M14	X	.564	.564	0	%100
28	M14	Z	-.325	-.325	0	%100
29	M15	X	.308	.308	0	%100
30	M15	Z	-.178	-.178	0	%100
31	M16	X	.307	.307	0	%100
32	M16	Z	-.177	-.177	0	%100
33	M17	X	.564	.564	0	%100
34	M17	Z	-.325	-.325	0	%100
35	M18	X	1.014	1.014	0	%100
36	M18	Z	-.586	-.586	0	%100
37	M19	X	1.014	1.014	0	%100
38	M19	Z	-.586	-.586	0	%100
39	M20	X	.178	.178	0	%100
40	M20	Z	-.102	-.102	0	%100
41	M21	X	.178	.178	0	%100
42	M21	Z	-.102	-.102	0	%100
43	M22	X	.854	.854	0	%100
44	M22	Z	-.493	-.493	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, %]
45	M23	X	.854	.854	0	%100
46	M23	Z	-.493	-.493	0	%100
47	M24	X	.564	.564	0	%100
48	M24	Z	-.325	-.325	0	%100
49	M25	X	.564	.564	0	%100
50	M25	Z	-.325	-.325	0	%100
51	M26	X	.555	.555	0	%100
52	M26	Z	-.321	-.321	0	%100
53	M27	X	.555	.555	0	%100
54	M27	Z	-.321	-.321	0	%100
55	M28	X	.564	.564	0	%100
56	M28	Z	-.325	-.325	0	%100
57	M29	X	.254	.254	0	%100
58	M29	Z	-.146	-.146	0	%100
59	M30	X	.254	.254	0	%100
60	M30	Z	-.146	-.146	0	%100
61	M31	X	.854	.854	0	%100
62	M31	Z	-.493	-.493	0	%100
63	M32	X	.854	.854	0	%100
64	M32	Z	-.493	-.493	0	%100
65	M33	X	.564	.564	0	%100
66	M33	Z	-.325	-.325	0	%100
67	M34	X	.564	.564	0	%100
68	M34	Z	-.325	-.325	0	%100
69	M35	X	.555	.555	0	%100
70	M35	Z	-.321	-.321	0	%100
71	M36	X	.555	.555	0	%100
72	M36	Z	-.321	-.321	0	%100
73	M37	X	.91	.91	0	%100
74	M37	Z	-.525	-.525	0	%100
75	M38	X	.228	.228	0	%100
76	M38	Z	-.131	-.131	0	%100
77	M39	X	.228	.228	0	%100
78	M39	Z	-.131	-.131	0	%100
79	M49	X	.91	.91	0	%100
80	M49	Z	-.525	-.525	0	%100
81	M50	X	.228	.228	0	%100
82	M50	Z	-.131	-.131	0	%100
83	M51	X	.228	.228	0	%100
84	M51	Z	-.131	-.131	0	%100
85	M61	X	.489	.489	0	%100
86	M61	Z	-.282	-.282	0	%100
87	M62	X	.489	.489	0	%100
88	M62	Z	-.282	-.282	0	%100
89	M63	X	.485	.485	0	%100
90	M63	Z	-.28	-.28	0	%100
91	M64	X	.586	.586	0	%100
92	M64	Z	-.338	-.338	0	%100
93	M65	X	.586	.586	0	%100
94	M65	Z	-.338	-.338	0	%100
95	M66	X	.587	.587	0	%100
96	M66	Z	-.339	-.339	0	%100
97	M67	X	.586	.586	0	%100
98	M67	Z	-.338	-.338	0	%100
99	M68	X	.586	.586	0	%100
100	M68	Z	-.338	-.338	0	%100
101	M69	X	.587	.587	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,%]
102	M69	Z	-.339	-.339	0	%100
103	M70	X	.489	.489	0	%100
104	M70	Z	-.282	-.282	0	%100
105	M71	X	.489	.489	0	%100
106	M71	Z	-.282	-.282	0	%100
107	M72	X	.485	.485	0	%100
108	M72	Z	-.28	-.28	0	%100
109	M73	X	.489	.489	0	%100
110	M73	Z	-.282	-.282	0	%100
111	M74	X	.489	.489	0	%100
112	M74	Z	-.282	-.282	0	%100
113	M75	X	.485	.485	0	%100
114	M75	Z	-.28	-.28	0	%100
115	MP1A	X	.482	.482	0	%100
116	MP1A	Z	-.278	-.278	0	%100
117	MP2A	X	.482	.482	0	%100
118	MP2A	Z	-.278	-.278	0	%100
119	MP4A	X	.482	.482	0	%100
120	MP4A	Z	-.278	-.278	0	%100
121	MP5A	X	.482	.482	0	%100
122	MP5A	Z	-.278	-.278	0	%100
123	MPA	X	.482	.482	0	%100
124	MPA	Z	-.278	-.278	0	%100
125	MP6A	X	.482	.482	0	%100
126	MP6A	Z	-.278	-.278	0	%100
127	MP1C	X	.482	.482	0	%100
128	MP1C	Z	-.278	-.278	0	%100
129	MP1B	X	.482	.482	0	%100
130	MP1B	Z	-.278	-.278	0	%100
131	MP3C	X	.482	.482	0	%100
132	MP3C	Z	-.278	-.278	0	%100
133	MP2C	X	.482	.482	0	%100
134	MP2C	Z	-.278	-.278	0	%100
135	MP5C	X	.482	.482	0	%100
136	MP5C	Z	-.278	-.278	0	%100
137	MP6C	X	.482	.482	0	%100
138	MP6C	Z	-.278	-.278	0	%100
139	MPB	X	.482	.482	0	%100
140	MPB	Z	-.278	-.278	0	%100
141	MPB2	X	.482	.482	0	%100
142	MPB2	Z	-.278	-.278	0	%100
143	MP5B	X	.482	.482	0	%100
144	MP5B	Z	-.278	-.278	0	%100
145	MP4C	X	.482	.482	0	%100
146	MP4C	Z	-.278	-.278	0	%100
147	MP3C	X	.482	.482	0	%100
148	MP3C	Z	-.278	-.278	0	%100
149	M146	X	1.014	1.014	0	%100
150	M146	Z	-.586	-.586	0	%100
151	M147	X	1.014	1.014	0	%100
152	M147	Z	-.586	-.586	0	%100
153	M154	X	.254	.254	0	%100
154	M154	Z	-.146	-.146	0	%100
155	M155	X	.254	.254	0	%100
156	M155	Z	-.146	-.146	0	%100
157	M162	X	.254	.254	0	%100
158	M162	Z	-.146	-.146	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, %]
159	M163	X	.254	.254	0	%100
160	M163	Z	-.146	-.146	0	%100
161	MP3A	X	.482	.482	0	%100
162	MP3A	Z	-.278	-.278	0	%100
163	MP4B	X	.482	.482	0	%100
164	MP4B	Z	-.278	-.278	0	%100
165	MP6B	X	.482	.482	0	%100
166	MP6B	Z	-.278	-.278	0	%100
167	MP3B	X	.482	.482	0	%100
168	MP3B	Z	-.278	-.278	0	%100
169	M163A	X	.482	.482	0	%100
170	M163A	Z	-.278	-.278	0	%100
171	M166	X	.228	.228	0	%100
172	M166	Z	-.132	-.132	0	%100
173	M169A	X	.228	.228	0	%100
174	M169A	Z	-.132	-.132	0	%100
175	MP2B	X	.482	.482	0	%100
176	MP2B	Z	-.278	-.278	0	%100
177	M173A	X	.228	.228	0	%100
178	M173A	Z	-.132	-.132	0	%100
179	M176	X	.228	.228	0	%100
180	M176	Z	-.132	-.132	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.527	.527	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	.527	.527	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	.521	.521	0	%100
10	M5	Z	0	0	0	%100
11	M6	X	.615	.615	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	.615	.615	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	.615	.615	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	.615	.615	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.329	.329	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	.329	.329	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	.651	.651	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	.651	.651	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	.651	.651	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	.451	.451	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	.45	.45	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,%]
32	M16	Z	0	0	0	%100
33	M17	X	.651	.651	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	.878	.878	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	.878	.878	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	.329	.329	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	.329	.329	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	.651	.651	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	.651	.651	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	.451	.451	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	.45	.45	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	.651	.651	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	.878	.878	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	.878	.878	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	1.314	1.314	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	1.314	1.314	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	.651	.651	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	.651	.651	0	%100
68	M34	Z	0	0	0	%100
69	M35	X	.736	.736	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	.737	.737	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	.788	.788	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	.788	.788	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	.788	.788	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	0	0	0	%100
83	M51	X	.788	.788	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	.527	.527	0	%100
86	M61	Z	0	0	0	%100
87	M62	X	.527	.527	0	%100
88	M62	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, %]
89	M63	X	.521	.521	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	.639	.639	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	.639	.639	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	.639	.639	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	.639	.639	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	.639	.639	0	%100
100	M68	Z	0	0	0	%100
101	M69	X	.639	.639	0	%100
102	M69	Z	0	0	0	%100
103	M70	X	.639	.639	0	%100
104	M70	Z	0	0	0	%100
105	M71	X	.639	.639	0	%100
106	M71	Z	0	0	0	%100
107	M72	X	.639	.639	0	%100
108	M72	Z	0	0	0	%100
109	M73	X	.639	.639	0	%100
110	M73	Z	0	0	0	%100
111	M74	X	.639	.639	0	%100
112	M74	Z	0	0	0	%100
113	M75	X	.639	.639	0	%100
114	M75	Z	0	0	0	%100
115	MP1A	X	.556	.556	0	%100
116	MP1A	Z	0	0	0	%100
117	MP2A	X	.556	.556	0	%100
118	MP2A	Z	0	0	0	%100
119	MP4A	X	.556	.556	0	%100
120	MP4A	Z	0	0	0	%100
121	MP5A	X	.556	.556	0	%100
122	MP5A	Z	0	0	0	%100
123	MPA	X	.556	.556	0	%100
124	MPA	Z	0	0	0	%100
125	MP6A	X	.556	.556	0	%100
126	MP6A	Z	0	0	0	%100
127	MP1C	X	.556	.556	0	%100
128	MP1C	Z	0	0	0	%100
129	MP1B	X	.556	.556	0	%100
130	MP1B	Z	0	0	0	%100
131	MPC	X	.556	.556	0	%100
132	MPC	Z	0	0	0	%100
133	MP2C	X	.556	.556	0	%100
134	MP2C	Z	0	0	0	%100
135	MP5C	X	.556	.556	0	%100
136	MP5C	Z	0	0	0	%100
137	MP6C	X	.556	.556	0	%100
138	MP6C	Z	0	0	0	%100
139	MPB	X	.556	.556	0	%100
140	MPB	Z	0	0	0	%100
141	MPB2	X	.556	.556	0	%100
142	MPB2	Z	0	0	0	%100
143	MP5B	X	.556	.556	0	%100
144	MP5B	Z	0	0	0	%100
145	MP4C	X	.556	.556	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,%]
146	MP4C	Z	0	0	0	%100
147	MP3C	X	.556	.556	0	%100
148	MP3C	Z	0	0	0	%100
149	M146	X	.878	.878	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	.878	.878	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	.878	.878	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	.878	.878	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	0	0	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	0	0	0	%100
161	MP3A	X	.556	.556	0	%100
162	MP3A	Z	0	0	0	%100
163	MP4B	X	.556	.556	0	%100
164	MP4B	Z	0	0	0	%100
165	MP6B	X	.556	.556	0	%100
166	MP6B	Z	0	0	0	%100
167	MP3B	X	.556	.556	0	%100
168	MP3B	Z	0	0	0	%100
169	M163A	X	.556	.556	0	%100
170	M163A	Z	0	0	0	%100
171	M166	X	.351	.351	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	.351	.351	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	.556	.556	0	%100
176	MP2B	Z	0	0	0	%100
177	M173A	X	.088	.088	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	.088	.088	0	%100
180	M176	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	.254	.254	0	%100
2	M1	Z	.146	.146	0	%100
3	M2	X	.254	.254	0	%100
4	M2	Z	.146	.146	0	%100
5	M3	X	.489	.489	0	%100
6	M3	Z	.282	.282	0	%100
7	M4	X	.489	.489	0	%100
8	M4	Z	.282	.282	0	%100
9	M5	X	.485	.485	0	%100
10	M5	Z	.28	.28	0	%100
11	M6	X	.71	.71	0	%100
12	M6	Z	.41	.41	0	%100
13	M7	X	.71	.71	0	%100
14	M7	Z	.41	.41	0	%100
15	M8	X	.178	.178	0	%100
16	M8	Z	.102	.102	0	%100
17	M9	X	.178	.178	0	%100
18	M9	Z	.102	.102	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,%]
19	M10	X	.854	.854	0	%100
20	M10	Z	.493	.493	0	%100
21	M11	X	.854	.854	0	%100
22	M11	Z	.493	.493	0	%100
23	M12	X	.564	.564	0	%100
24	M12	Z	.325	.325	0	%100
25	M13	X	.564	.564	0	%100
26	M13	Z	.325	.325	0	%100
27	M14	X	.564	.564	0	%100
28	M14	Z	.325	.325	0	%100
29	M15	X	.555	.555	0	%100
30	M15	Z	.321	.321	0	%100
31	M16	X	.555	.555	0	%100
32	M16	Z	.321	.321	0	%100
33	M17	X	.564	.564	0	%100
34	M17	Z	.325	.325	0	%100
35	M18	X	.254	.254	0	%100
36	M18	Z	.146	.146	0	%100
37	M19	X	.254	.254	0	%100
38	M19	Z	.146	.146	0	%100
39	M20	X	.178	.178	0	%100
40	M20	Z	.102	.102	0	%100
41	M21	X	.178	.178	0	%100
42	M21	Z	.102	.102	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	.564	.564	0	%100
48	M24	Z	.325	.325	0	%100
49	M25	X	.564	.564	0	%100
50	M25	Z	.325	.325	0	%100
51	M26	X	.308	.308	0	%100
52	M26	Z	.178	.178	0	%100
53	M27	X	.307	.307	0	%100
54	M27	Z	.177	.177	0	%100
55	M28	X	.564	.564	0	%100
56	M28	Z	.325	.325	0	%100
57	M29	X	1.014	1.014	0	%100
58	M29	Z	.586	.586	0	%100
59	M30	X	1.014	1.014	0	%100
60	M30	Z	.586	.586	0	%100
61	M31	X	.854	.854	0	%100
62	M31	Z	.493	.493	0	%100
63	M32	X	.854	.854	0	%100
64	M32	Z	.493	.493	0	%100
65	M33	X	.564	.564	0	%100
66	M33	Z	.325	.325	0	%100
67	M34	X	.564	.564	0	%100
68	M34	Z	.325	.325	0	%100
69	M35	X	.555	.555	0	%100
70	M35	Z	.321	.321	0	%100
71	M36	X	.555	.555	0	%100
72	M36	Z	.321	.321	0	%100
73	M37	X	.228	.228	0	%100
74	M37	Z	.131	.131	0	%100
75	M38	X	.228	.228	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,%]
76	M38	Z	.131	.131	0	%100
77	M39	X	.91	.91	0	%100
78	M39	Z	.525	.525	0	%100
79	M49	X	.228	.228	0	%100
80	M49	Z	.131	.131	0	%100
81	M50	X	.228	.228	0	%100
82	M50	Z	.131	.131	0	%100
83	M51	X	.91	.91	0	%100
84	M51	Z	.525	.525	0	%100
85	M61	X	.489	.489	0	%100
86	M61	Z	.282	.282	0	%100
87	M62	X	.489	.489	0	%100
88	M62	Z	.282	.282	0	%100
89	M63	X	.485	.485	0	%100
90	M63	Z	.28	.28	0	%100
91	M64	X	.489	.489	0	%100
92	M64	Z	.282	.282	0	%100
93	M65	X	.489	.489	0	%100
94	M65	Z	.282	.282	0	%100
95	M66	X	.485	.485	0	%100
96	M66	Z	.28	.28	0	%100
97	M67	X	.489	.489	0	%100
98	M67	Z	.282	.282	0	%100
99	M68	X	.489	.489	0	%100
100	M68	Z	.282	.282	0	%100
101	M69	X	.485	.485	0	%100
102	M69	Z	.28	.28	0	%100
103	M70	X	.586	.586	0	%100
104	M70	Z	.338	.338	0	%100
105	M71	X	.586	.586	0	%100
106	M71	Z	.338	.338	0	%100
107	M72	X	.587	.587	0	%100
108	M72	Z	.339	.339	0	%100
109	M73	X	.586	.586	0	%100
110	M73	Z	.338	.338	0	%100
111	M74	X	.586	.586	0	%100
112	M74	Z	.338	.338	0	%100
113	M75	X	.587	.587	0	%100
114	M75	Z	.339	.339	0	%100
115	MP1A	X	.482	.482	0	%100
116	MP1A	Z	.278	.278	0	%100
117	MP2A	X	.482	.482	0	%100
118	MP2A	Z	.278	.278	0	%100
119	MP4A	X	.482	.482	0	%100
120	MP4A	Z	.278	.278	0	%100
121	MP5A	X	.482	.482	0	%100
122	MP5A	Z	.278	.278	0	%100
123	MPA	X	.482	.482	0	%100
124	MPA	Z	.278	.278	0	%100
125	MP6A	X	.482	.482	0	%100
126	MP6A	Z	.278	.278	0	%100
127	MP1C	X	.482	.482	0	%100
128	MP1C	Z	.278	.278	0	%100
129	MP1B	X	.482	.482	0	%100
130	MP1B	Z	.278	.278	0	%100
131	MPC	X	.482	.482	0	%100
132	MPC	Z	.278	.278	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, %]
133	MP2C	X	.482	.482	0	%100
134	MP2C	Z	.278	.278	0	%100
135	MP5C	X	.482	.482	0	%100
136	MP5C	Z	.278	.278	0	%100
137	MP6C	X	.482	.482	0	%100
138	MP6C	Z	.278	.278	0	%100
139	MPB	X	.482	.482	0	%100
140	MPB	Z	.278	.278	0	%100
141	MPB2	X	.482	.482	0	%100
142	MPB2	Z	.278	.278	0	%100
143	MP5B	X	.482	.482	0	%100
144	MP5B	Z	.278	.278	0	%100
145	MP4C	X	.482	.482	0	%100
146	MP4C	Z	.278	.278	0	%100
147	MP3C	X	.482	.482	0	%100
148	MP3C	Z	.278	.278	0	%100
149	M146	X	.254	.254	0	%100
150	M146	Z	.146	.146	0	%100
151	M147	X	.254	.254	0	%100
152	M147	Z	.146	.146	0	%100
153	M154	X	1.014	1.014	0	%100
154	M154	Z	.586	.586	0	%100
155	M155	X	1.014	1.014	0	%100
156	M155	Z	.586	.586	0	%100
157	M162	X	.254	.254	0	%100
158	M162	Z	.146	.146	0	%100
159	M163	X	.254	.254	0	%100
160	M163	Z	.146	.146	0	%100
161	MP3A	X	.482	.482	0	%100
162	MP3A	Z	.278	.278	0	%100
163	MP4B	X	.482	.482	0	%100
164	MP4B	Z	.278	.278	0	%100
165	MP6B	X	.482	.482	0	%100
166	MP6B	Z	.278	.278	0	%100
167	MP3B	X	.482	.482	0	%100
168	MP3B	Z	.278	.278	0	%100
169	M163A	X	.482	.482	0	%100
170	M163A	Z	.278	.278	0	%100
171	M166	X	.228	.228	0	%100
172	M166	Z	.132	.132	0	%100
173	M169A	X	.228	.228	0	%100
174	M169A	Z	.132	.132	0	%100
175	MP2B	X	.482	.482	0	%100
176	MP2B	Z	.278	.278	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	0	0	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	.439	.439	0	%100
2	M1	Z	.761	.761	0	%100
3	M2	X	.439	.439	0	%100
4	M2	Z	.761	.761	0	%100
5	M3	X	.32	.32	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,%]
6	M3	Z	.554	.554	0	%100
7	M4	X	.32	.32	0	%100
8	M4	Z	.554	.554	0	%100
9	M5	X	.319	.319	0	%100
10	M5	Z	.553	.553	0	%100
11	M6	X	.307	.307	0	%100
12	M6	Z	.533	.533	0	%100
13	M7	X	.307	.307	0	%100
14	M7	Z	.533	.533	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	.657	.657	0	%100
20	M10	Z	1.138	1.138	0	%100
21	M11	X	.657	.657	0	%100
22	M11	Z	1.138	1.138	0	%100
23	M12	X	.325	.325	0	%100
24	M12	Z	.564	.564	0	%100
25	M13	X	.325	.325	0	%100
26	M13	Z	.564	.564	0	%100
27	M14	X	.325	.325	0	%100
28	M14	Z	.564	.564	0	%100
29	M15	X	.368	.368	0	%100
30	M15	Z	.638	.638	0	%100
31	M16	X	.369	.369	0	%100
32	M16	Z	.638	.638	0	%100
33	M17	X	.325	.325	0	%100
34	M17	Z	.564	.564	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	.307	.307	0	%100
40	M20	Z	.533	.533	0	%100
41	M21	X	.307	.307	0	%100
42	M21	Z	.533	.533	0	%100
43	M22	X	.164	.164	0	%100
44	M22	Z	.285	.285	0	%100
45	M23	X	.164	.164	0	%100
46	M23	Z	.285	.285	0	%100
47	M24	X	.325	.325	0	%100
48	M24	Z	.564	.564	0	%100
49	M25	X	.325	.325	0	%100
50	M25	Z	.564	.564	0	%100
51	M26	X	.226	.226	0	%100
52	M26	Z	.391	.391	0	%100
53	M27	X	.225	.225	0	%100
54	M27	Z	.39	.39	0	%100
55	M28	X	.325	.325	0	%100
56	M28	Z	.564	.564	0	%100
57	M29	X	.439	.439	0	%100
58	M29	Z	.761	.761	0	%100
59	M30	X	.439	.439	0	%100
60	M30	Z	.761	.761	0	%100
61	M31	X	.164	.164	0	%100
62	M31	Z	.285	.285	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, %]
63	M32	X	.164	.164	0	%100
64	M32	Z	.285	.285	0	%100
65	M33	X	.325	.325	0	%100
66	M33	Z	.564	.564	0	%100
67	M34	X	.325	.325	0	%100
68	M34	Z	.564	.564	0	%100
69	M35	X	.226	.226	0	%100
70	M35	Z	.391	.391	0	%100
71	M36	X	.225	.225	0	%100
72	M36	Z	.39	.39	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	.394	.394	0	%100
76	M38	Z	.683	.683	0	%100
77	M39	X	.394	.394	0	%100
78	M39	Z	.683	.683	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	.394	.394	0	%100
82	M50	Z	.683	.683	0	%100
83	M51	X	.394	.394	0	%100
84	M51	Z	.683	.683	0	%100
85	M61	X	.32	.32	0	%100
86	M61	Z	.554	.554	0	%100
87	M62	X	.32	.32	0	%100
88	M62	Z	.554	.554	0	%100
89	M63	X	.319	.319	0	%100
90	M63	Z	.553	.553	0	%100
91	M64	X	.263	.263	0	%100
92	M64	Z	.456	.456	0	%100
93	M65	X	.263	.263	0	%100
94	M65	Z	.456	.456	0	%100
95	M66	X	.26	.26	0	%100
96	M66	Z	.451	.451	0	%100
97	M67	X	.263	.263	0	%100
98	M67	Z	.456	.456	0	%100
99	M68	X	.263	.263	0	%100
100	M68	Z	.456	.456	0	%100
101	M69	X	.26	.26	0	%100
102	M69	Z	.451	.451	0	%100
103	M70	X	.32	.32	0	%100
104	M70	Z	.554	.554	0	%100
105	M71	X	.32	.32	0	%100
106	M71	Z	.554	.554	0	%100
107	M72	X	.319	.319	0	%100
108	M72	Z	.553	.553	0	%100
109	M73	X	.32	.32	0	%100
110	M73	Z	.554	.554	0	%100
111	M74	X	.32	.32	0	%100
112	M74	Z	.554	.554	0	%100
113	M75	X	.319	.319	0	%100
114	M75	Z	.553	.553	0	%100
115	MP1A	X	.278	.278	0	%100
116	MP1A	Z	.482	.482	0	%100
117	MP2A	X	.278	.278	0	%100
118	MP2A	Z	.482	.482	0	%100
119	MP4A	X	.278	.278	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,%]
120	MP4A	Z	.482	.482	0	%100
121	MP5A	X	.278	.278	0	%100
122	MP5A	Z	.482	.482	0	%100
123	MPA	X	.278	.278	0	%100
124	MPA	Z	.482	.482	0	%100
125	MP6A	X	.278	.278	0	%100
126	MP6A	Z	.482	.482	0	%100
127	MP1C	X	.278	.278	0	%100
128	MP1C	Z	.482	.482	0	%100
129	MP1B	X	.278	.278	0	%100
130	MP1B	Z	.482	.482	0	%100
131	MPC	X	.278	.278	0	%100
132	MPC	Z	.482	.482	0	%100
133	MP2C	X	.278	.278	0	%100
134	MP2C	Z	.482	.482	0	%100
135	MP5C	X	.278	.278	0	%100
136	MP5C	Z	.482	.482	0	%100
137	MP6C	X	.278	.278	0	%100
138	MP6C	Z	.482	.482	0	%100
139	MPB	X	.278	.278	0	%100
140	MPB	Z	.482	.482	0	%100
141	MPB2	X	.278	.278	0	%100
142	MPB2	Z	.482	.482	0	%100
143	MP5B	X	.278	.278	0	%100
144	MP5B	Z	.482	.482	0	%100
145	MP4C	X	.278	.278	0	%100
146	MP4C	Z	.482	.482	0	%100
147	MP3C	X	.278	.278	0	%100
148	MP3C	Z	.482	.482	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	.439	.439	0	%100
154	M154	Z	.761	.761	0	%100
155	M155	X	.439	.439	0	%100
156	M155	Z	.761	.761	0	%100
157	M162	X	.439	.439	0	%100
158	M162	Z	.761	.761	0	%100
159	M163	X	.439	.439	0	%100
160	M163	Z	.761	.761	0	%100
161	MP3A	X	.278	.278	0	%100
162	MP3A	Z	.482	.482	0	%100
163	MP4B	X	.278	.278	0	%100
164	MP4B	Z	.482	.482	0	%100
165	MP6B	X	.278	.278	0	%100
166	MP6B	Z	.482	.482	0	%100
167	MP3B	X	.278	.278	0	%100
168	MP3B	Z	.482	.482	0	%100
169	M163A	X	.278	.278	0	%100
170	M163A	Z	.482	.482	0	%100
171	M166	X	.044	.044	0	%100
172	M166	Z	.076	.076	0	%100
173	M169A	X	.044	.044	0	%100
174	M169A	Z	.076	.076	0	%100
175	MP2B	X	.278	.278	0	%100
176	MP2B	Z	.482	.482	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, %]
177	M173A	X	.044	.044	0	%100
178	M173A	Z	.076	.076	0	%100
179	M176	X	.044	.044	0	%100
180	M176	Z	.076	.076	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	1.171	1.171	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	1.171	1.171	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.677	.677	0	%100
7	M4	X	0	0	0	%100
8	M4	Z	.677	.677	0	%100
9	M5	X	0	0	0	%100
10	M5	Z	.678	.678	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	.205	.205	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	.205	.205	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	.205	.205	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	.205	.205	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	.986	.986	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	.986	.986	0	%100
23	M12	X	0	0	0	%100
24	M12	Z	.651	.651	0	%100
25	M13	X	0	0	0	%100
26	M13	Z	.651	.651	0	%100
27	M14	X	0	0	0	%100
28	M14	Z	.651	.651	0	%100
29	M15	X	0	0	0	%100
30	M15	Z	.641	.641	0	%100
31	M16	X	0	0	0	%100
32	M16	Z	.641	.641	0	%100
33	M17	X	0	0	0	%100
34	M17	Z	.651	.651	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	.293	.293	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	.293	.293	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	.82	.82	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	.82	.82	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	.986	.986	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	.986	.986	0	%100
47	M24	X	0	0	0	%100
48	M24	Z	.651	.651	0	%100
49	M25	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,%]
50	M25	Z	.651	.651	0	%100
51	M26	X	0	0	0	%100
52	M26	Z	.641	.641	0	%100
53	M27	X	0	0	0	%100
54	M27	Z	.641	.641	0	%100
55	M28	X	0	0	0	%100
56	M28	Z	.651	.651	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	.293	.293	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	.293	.293	0	%100
61	M31	X	0	0	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	0	0	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	0	0	0	%100
66	M33	Z	.651	.651	0	%100
67	M34	X	0	0	0	%100
68	M34	Z	.651	.651	0	%100
69	M35	X	0	0	0	%100
70	M35	Z	.356	.356	0	%100
71	M36	X	0	0	0	%100
72	M36	Z	.354	.354	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	.263	.263	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	1.051	1.051	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	.263	.263	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	.263	.263	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	1.051	1.051	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	.263	.263	0	%100
85	M61	X	0	0	0	%100
86	M61	Z	.677	.677	0	%100
87	M62	X	0	0	0	%100
88	M62	Z	.677	.677	0	%100
89	M63	X	0	0	0	%100
90	M63	Z	.678	.678	0	%100
91	M64	X	0	0	0	%100
92	M64	Z	.564	.564	0	%100
93	M65	X	0	0	0	%100
94	M65	Z	.564	.564	0	%100
95	M66	X	0	0	0	%100
96	M66	Z	.56	.56	0	%100
97	M67	X	0	0	0	%100
98	M67	Z	.564	.564	0	%100
99	M68	X	0	0	0	%100
100	M68	Z	.564	.564	0	%100
101	M69	X	0	0	0	%100
102	M69	Z	.56	.56	0	%100
103	M70	X	0	0	0	%100
104	M70	Z	.564	.564	0	%100
105	M71	X	0	0	0	%100
106	M71	Z	.564	.564	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,%]
107	M72	X	0	0	0	%100
108	M72	Z	.56	.56	0	%100
109	M73	X	0	0	0	%100
110	M73	Z	.564	.564	0	%100
111	M74	X	0	0	0	%100
112	M74	Z	.564	.564	0	%100
113	M75	X	0	0	0	%100
114	M75	Z	.56	.56	0	%100
115	MP1A	X	0	0	0	%100
116	MP1A	Z	.556	.556	0	%100
117	MP2A	X	0	0	0	%100
118	MP2A	Z	.556	.556	0	%100
119	MP4A	X	0	0	0	%100
120	MP4A	Z	.556	.556	0	%100
121	MP5A	X	0	0	0	%100
122	MP5A	Z	.556	.556	0	%100
123	MPA	X	0	0	0	%100
124	MPA	Z	.556	.556	0	%100
125	MP6A	X	0	0	0	%100
126	MP6A	Z	.556	.556	0	%100
127	MP1C	X	0	0	0	%100
128	MP1C	Z	.556	.556	0	%100
129	MP1B	X	0	0	0	%100
130	MP1B	Z	.556	.556	0	%100
131	MPC	X	0	0	0	%100
132	MPC	Z	.556	.556	0	%100
133	MP2C	X	0	0	0	%100
134	MP2C	Z	.556	.556	0	%100
135	MP5C	X	0	0	0	%100
136	MP5C	Z	.556	.556	0	%100
137	MP6C	X	0	0	0	%100
138	MP6C	Z	.556	.556	0	%100
139	MPB	X	0	0	0	%100
140	MPB	Z	.556	.556	0	%100
141	MPB2	X	0	0	0	%100
142	MPB2	Z	.556	.556	0	%100
143	MP5B	X	0	0	0	%100
144	MP5B	Z	.556	.556	0	%100
145	MP4C	X	0	0	0	%100
146	MP4C	Z	.556	.556	0	%100
147	MP3C	X	0	0	0	%100
148	MP3C	Z	.556	.556	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	.293	.293	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	.293	.293	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	.293	.293	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	.293	.293	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	1.171	1.171	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	1.171	1.171	0	%100
161	MP3A	X	0	0	0	%100
162	MP3A	Z	.556	.556	0	%100
163	MP4B	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,%]
164	MP4B	Z	.556	.556	0	%100
165	MP6B	X	0	0	0	%100
166	MP6B	Z	.556	.556	0	%100
167	MP3B	X	0	0	0	%100
168	MP3B	Z	.556	.556	0	%100
169	M163A	X	0	0	0	%100
170	M163A	Z	.556	.556	0	%100
171	M166	X	0	0	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	0	0	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	0	0	0	%100
176	MP2B	Z	.556	.556	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	.263	.263	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	.263	.263	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	-.439	-.439	0	%100
2	M1	Z	.761	.761	0	%100
3	M2	X	-.439	-.439	0	%100
4	M2	Z	.761	.761	0	%100
5	M3	X	-.32	-.32	0	%100
6	M3	Z	.554	.554	0	%100
7	M4	X	-.32	-.32	0	%100
8	M4	Z	.554	.554	0	%100
9	M5	X	-.319	-.319	0	%100
10	M5	Z	.553	.553	0	%100
11	M6	X	0	0	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	0	0	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-.307	-.307	0	%100
16	M8	Z	.533	.533	0	%100
17	M9	X	-.307	-.307	0	%100
18	M9	Z	.533	.533	0	%100
19	M10	X	-.164	-.164	0	%100
20	M10	Z	.285	.285	0	%100
21	M11	X	-.164	-.164	0	%100
22	M11	Z	.285	.285	0	%100
23	M12	X	-.325	-.325	0	%100
24	M12	Z	.564	.564	0	%100
25	M13	X	-.325	-.325	0	%100
26	M13	Z	.564	.564	0	%100
27	M14	X	-.325	-.325	0	%100
28	M14	Z	.564	.564	0	%100
29	M15	X	-.226	-.226	0	%100
30	M15	Z	.391	.391	0	%100
31	M16	X	-.225	-.225	0	%100
32	M16	Z	.39	.39	0	%100
33	M17	X	-.325	-.325	0	%100
34	M17	Z	.564	.564	0	%100
35	M18	X	-.439	-.439	0	%100
36	M18	Z	.761	.761	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, %]
37	M19	X	-.439	-.439	0	%100
38	M19	Z	.761	.761	0	%100
39	M20	X	-.307	-.307	0	%100
40	M20	Z	.533	.533	0	%100
41	M21	X	-.307	-.307	0	%100
42	M21	Z	.533	.533	0	%100
43	M22	X	-.657	-.657	0	%100
44	M22	Z	1.138	1.138	0	%100
45	M23	X	-.657	-.657	0	%100
46	M23	Z	1.138	1.138	0	%100
47	M24	X	-.325	-.325	0	%100
48	M24	Z	.564	.564	0	%100
49	M25	X	-.325	-.325	0	%100
50	M25	Z	.564	.564	0	%100
51	M26	X	-.368	-.368	0	%100
52	M26	Z	.638	.638	0	%100
53	M27	X	-.369	-.369	0	%100
54	M27	Z	.638	.638	0	%100
55	M28	X	-.325	-.325	0	%100
56	M28	Z	.564	.564	0	%100
57	M29	X	0	0	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	0	0	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-.164	-.164	0	%100
62	M31	Z	.285	.285	0	%100
63	M32	X	-.164	-.164	0	%100
64	M32	Z	.285	.285	0	%100
65	M33	X	-.325	-.325	0	%100
66	M33	Z	.564	.564	0	%100
67	M34	X	-.325	-.325	0	%100
68	M34	Z	.564	.564	0	%100
69	M35	X	-.226	-.226	0	%100
70	M35	Z	.391	.391	0	%100
71	M36	X	-.225	-.225	0	%100
72	M36	Z	.39	.39	0	%100
73	M37	X	-.394	-.394	0	%100
74	M37	Z	.683	.683	0	%100
75	M38	X	-.394	-.394	0	%100
76	M38	Z	.683	.683	0	%100
77	M39	X	0	0	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	-.394	-.394	0	%100
80	M49	Z	.683	.683	0	%100
81	M50	X	-.394	-.394	0	%100
82	M50	Z	.683	.683	0	%100
83	M51	X	0	0	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	-.32	-.32	0	%100
86	M61	Z	.554	.554	0	%100
87	M62	X	-.32	-.32	0	%100
88	M62	Z	.554	.554	0	%100
89	M63	X	-.319	-.319	0	%100
90	M63	Z	.553	.553	0	%100
91	M64	X	-.32	-.32	0	%100
92	M64	Z	.554	.554	0	%100
93	M65	X	-.32	-.32	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,%]
94	M65	Z	.554	.554	0	%100
95	M66	X	-.319	-.319	0	%100
96	M66	Z	.553	.553	0	%100
97	M67	X	-.32	-.32	0	%100
98	M67	Z	.554	.554	0	%100
99	M68	X	-.32	-.32	0	%100
100	M68	Z	.554	.554	0	%100
101	M69	X	-.319	-.319	0	%100
102	M69	Z	.553	.553	0	%100
103	M70	X	-.263	-.263	0	%100
104	M70	Z	.456	.456	0	%100
105	M71	X	-.263	-.263	0	%100
106	M71	Z	.456	.456	0	%100
107	M72	X	-.26	-.26	0	%100
108	M72	Z	.451	.451	0	%100
109	M73	X	-.263	-.263	0	%100
110	M73	Z	.456	.456	0	%100
111	M74	X	-.263	-.263	0	%100
112	M74	Z	.456	.456	0	%100
113	M75	X	-.26	-.26	0	%100
114	M75	Z	.451	.451	0	%100
115	MP1A	X	-.278	-.278	0	%100
116	MP1A	Z	.482	.482	0	%100
117	MP2A	X	-.278	-.278	0	%100
118	MP2A	Z	.482	.482	0	%100
119	MP4A	X	-.278	-.278	0	%100
120	MP4A	Z	.482	.482	0	%100
121	MP5A	X	-.278	-.278	0	%100
122	MP5A	Z	.482	.482	0	%100
123	MPA	X	-.278	-.278	0	%100
124	MPA	Z	.482	.482	0	%100
125	MP6A	X	-.278	-.278	0	%100
126	MP6A	Z	.482	.482	0	%100
127	MP1C	X	-.278	-.278	0	%100
128	MP1C	Z	.482	.482	0	%100
129	MP1B	X	-.278	-.278	0	%100
130	MP1B	Z	.482	.482	0	%100
131	MPC	X	-.278	-.278	0	%100
132	MPC	Z	.482	.482	0	%100
133	MP2C	X	-.278	-.278	0	%100
134	MP2C	Z	.482	.482	0	%100
135	MP5C	X	-.278	-.278	0	%100
136	MP5C	Z	.482	.482	0	%100
137	MP6C	X	-.278	-.278	0	%100
138	MP6C	Z	.482	.482	0	%100
139	MPB	X	-.278	-.278	0	%100
140	MPB	Z	.482	.482	0	%100
141	MPB2	X	-.278	-.278	0	%100
142	MPB2	Z	.482	.482	0	%100
143	MP5B	X	-.278	-.278	0	%100
144	MP5B	Z	.482	.482	0	%100
145	MP4C	X	-.278	-.278	0	%100
146	MP4C	Z	.482	.482	0	%100
147	MP3C	X	-.278	-.278	0	%100
148	MP3C	Z	.482	.482	0	%100
149	M146	X	-.439	-.439	0	%100
150	M146	Z	.761	.761	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, %]
151	M147	X	-.439	-.439	0	%100
152	M147	Z	.761	.761	0	%100
153	M154	X	0	0	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	0	0	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	-.439	-.439	0	%100
158	M162	Z	.761	.761	0	%100
159	M163	X	-.439	-.439	0	%100
160	M163	Z	.761	.761	0	%100
161	MP3A	X	-.278	-.278	0	%100
162	MP3A	Z	.482	.482	0	%100
163	MP4B	X	-.278	-.278	0	%100
164	MP4B	Z	.482	.482	0	%100
165	MP6B	X	-.278	-.278	0	%100
166	MP6B	Z	.482	.482	0	%100
167	MP3B	X	-.278	-.278	0	%100
168	MP3B	Z	.482	.482	0	%100
169	M163A	X	-.278	-.278	0	%100
170	M163A	Z	.482	.482	0	%100
171	M166	X	-.044	-.044	0	%100
172	M166	Z	.076	.076	0	%100
173	M169A	X	-.044	-.044	0	%100
174	M169A	Z	.076	.076	0	%100
175	MP2B	X	-.278	-.278	0	%100
176	MP2B	Z	.482	.482	0	%100
177	M173A	X	-.175	-.175	0	%100
178	M173A	Z	.304	.304	0	%100
179	M176	X	-.175	-.175	0	%100
180	M176	Z	.304	.304	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	-.254	-.254	0	%100
2	M1	Z	.146	.146	0	%100
3	M2	X	-.254	-.254	0	%100
4	M2	Z	.146	.146	0	%100
5	M3	X	-.489	-.489	0	%100
6	M3	Z	.282	.282	0	%100
7	M4	X	-.489	-.489	0	%100
8	M4	Z	.282	.282	0	%100
9	M5	X	-.485	-.485	0	%100
10	M5	Z	.28	.28	0	%100
11	M6	X	-.178	-.178	0	%100
12	M6	Z	.102	.102	0	%100
13	M7	X	-.178	-.178	0	%100
14	M7	Z	.102	.102	0	%100
15	M8	X	-.71	-.71	0	%100
16	M8	Z	.41	.41	0	%100
17	M9	X	-.71	-.71	0	%100
18	M9	Z	.41	.41	0	%100
19	M10	X	0	0	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	0	0	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-.564	-.564	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,%]
24	M12	Z	.325	.325	0	%100
25	M13	X	-.564	-.564	0	%100
26	M13	Z	.325	.325	0	%100
27	M14	X	-.564	-.564	0	%100
28	M14	Z	.325	.325	0	%100
29	M15	X	-.308	-.308	0	%100
30	M15	Z	.178	.178	0	%100
31	M16	X	-.307	-.307	0	%100
32	M16	Z	.177	.177	0	%100
33	M17	X	-.564	-.564	0	%100
34	M17	Z	.325	.325	0	%100
35	M18	X	-1.014	-1.014	0	%100
36	M18	Z	.586	.586	0	%100
37	M19	X	-1.014	-1.014	0	%100
38	M19	Z	.586	.586	0	%100
39	M20	X	-.178	-.178	0	%100
40	M20	Z	.102	.102	0	%100
41	M21	X	-.178	-.178	0	%100
42	M21	Z	.102	.102	0	%100
43	M22	X	-.854	-.854	0	%100
44	M22	Z	.493	.493	0	%100
45	M23	X	-.854	-.854	0	%100
46	M23	Z	.493	.493	0	%100
47	M24	X	-.564	-.564	0	%100
48	M24	Z	.325	.325	0	%100
49	M25	X	-.564	-.564	0	%100
50	M25	Z	.325	.325	0	%100
51	M26	X	-.555	-.555	0	%100
52	M26	Z	.321	.321	0	%100
53	M27	X	-.555	-.555	0	%100
54	M27	Z	.321	.321	0	%100
55	M28	X	-.564	-.564	0	%100
56	M28	Z	.325	.325	0	%100
57	M29	X	-.254	-.254	0	%100
58	M29	Z	.146	.146	0	%100
59	M30	X	-.254	-.254	0	%100
60	M30	Z	.146	.146	0	%100
61	M31	X	-.854	-.854	0	%100
62	M31	Z	.493	.493	0	%100
63	M32	X	-.854	-.854	0	%100
64	M32	Z	.493	.493	0	%100
65	M33	X	-.564	-.564	0	%100
66	M33	Z	.325	.325	0	%100
67	M34	X	-.564	-.564	0	%100
68	M34	Z	.325	.325	0	%100
69	M35	X	-.555	-.555	0	%100
70	M35	Z	.321	.321	0	%100
71	M36	X	-.555	-.555	0	%100
72	M36	Z	.321	.321	0	%100
73	M37	X	-.91	-.91	0	%100
74	M37	Z	.525	.525	0	%100
75	M38	X	-.228	-.228	0	%100
76	M38	Z	.131	.131	0	%100
77	M39	X	-.228	-.228	0	%100
78	M39	Z	.131	.131	0	%100
79	M49	X	-.91	-.91	0	%100
80	M49	Z	.525	.525	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,%]
81	M50	X	-.228	-.228	0	%100
82	M50	Z	.131	.131	0	%100
83	M51	X	-.228	-.228	0	%100
84	M51	Z	.131	.131	0	%100
85	M61	X	-.489	-.489	0	%100
86	M61	Z	.282	.282	0	%100
87	M62	X	-.489	-.489	0	%100
88	M62	Z	.282	.282	0	%100
89	M63	X	-.485	-.485	0	%100
90	M63	Z	.28	.28	0	%100
91	M64	X	-.586	-.586	0	%100
92	M64	Z	.338	.338	0	%100
93	M65	X	-.586	-.586	0	%100
94	M65	Z	.338	.338	0	%100
95	M66	X	-.587	-.587	0	%100
96	M66	Z	.339	.339	0	%100
97	M67	X	-.586	-.586	0	%100
98	M67	Z	.338	.338	0	%100
99	M68	X	-.586	-.586	0	%100
100	M68	Z	.338	.338	0	%100
101	M69	X	-.587	-.587	0	%100
102	M69	Z	.339	.339	0	%100
103	M70	X	-.489	-.489	0	%100
104	M70	Z	.282	.282	0	%100
105	M71	X	-.489	-.489	0	%100
106	M71	Z	.282	.282	0	%100
107	M72	X	-.485	-.485	0	%100
108	M72	Z	.28	.28	0	%100
109	M73	X	-.489	-.489	0	%100
110	M73	Z	.282	.282	0	%100
111	M74	X	-.489	-.489	0	%100
112	M74	Z	.282	.282	0	%100
113	M75	X	-.485	-.485	0	%100
114	M75	Z	.28	.28	0	%100
115	MP1A	X	-.482	-.482	0	%100
116	MP1A	Z	.278	.278	0	%100
117	MP2A	X	-.482	-.482	0	%100
118	MP2A	Z	.278	.278	0	%100
119	MP4A	X	-.482	-.482	0	%100
120	MP4A	Z	.278	.278	0	%100
121	MP5A	X	-.482	-.482	0	%100
122	MP5A	Z	.278	.278	0	%100
123	MPA	X	-.482	-.482	0	%100
124	MPA	Z	.278	.278	0	%100
125	MP6A	X	-.482	-.482	0	%100
126	MP6A	Z	.278	.278	0	%100
127	MP1C	X	-.482	-.482	0	%100
128	MP1C	Z	.278	.278	0	%100
129	MP1B	X	-.482	-.482	0	%100
130	MP1B	Z	.278	.278	0	%100
131	MP3C	X	-.482	-.482	0	%100
132	MP3C	Z	.278	.278	0	%100
133	MP2C	X	-.482	-.482	0	%100
134	MP2C	Z	.278	.278	0	%100
135	MP5C	X	-.482	-.482	0	%100
136	MP5C	Z	.278	.278	0	%100
137	MP6C	X	-.482	-.482	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, %]
138	MP6C	Z	.278	.278	0	%100
139	MPB	X	-.482	-.482	0	%100
140	MPB	Z	.278	.278	0	%100
141	MPB2	X	-.482	-.482	0	%100
142	MPB2	Z	.278	.278	0	%100
143	MP5B	X	-.482	-.482	0	%100
144	MP5B	Z	.278	.278	0	%100
145	MP4C	X	-.482	-.482	0	%100
146	MP4C	Z	.278	.278	0	%100
147	MP3C	X	-.482	-.482	0	%100
148	MP3C	Z	.278	.278	0	%100
149	M146	X	-1.014	-1.014	0	%100
150	M146	Z	.586	.586	0	%100
151	M147	X	-1.014	-1.014	0	%100
152	M147	Z	.586	.586	0	%100
153	M154	X	-.254	-.254	0	%100
154	M154	Z	.146	.146	0	%100
155	M155	X	-.254	-.254	0	%100
156	M155	Z	.146	.146	0	%100
157	M162	X	-.254	-.254	0	%100
158	M162	Z	.146	.146	0	%100
159	M163	X	-.254	-.254	0	%100
160	M163	Z	.146	.146	0	%100
161	MP3A	X	-.482	-.482	0	%100
162	MP3A	Z	.278	.278	0	%100
163	MP4B	X	-.482	-.482	0	%100
164	MP4B	Z	.278	.278	0	%100
165	MP6B	X	-.482	-.482	0	%100
166	MP6B	Z	.278	.278	0	%100
167	MP3B	X	-.482	-.482	0	%100
168	MP3B	Z	.278	.278	0	%100
169	M163A	X	-.482	-.482	0	%100
170	M163A	Z	.278	.278	0	%100
171	M166	X	-.228	-.228	0	%100
172	M166	Z	.132	.132	0	%100
173	M169A	X	-.228	-.228	0	%100
174	M169A	Z	.132	.132	0	%100
175	MP2B	X	-.482	-.482	0	%100
176	MP2B	Z	.278	.278	0	%100
177	M173A	X	-.228	-.228	0	%100
178	M173A	Z	.132	.132	0	%100
179	M176	X	-.228	-.228	0	%100
180	M176	Z	.132	.132	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	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.527	-.527	0	%100
6	M3	Z	0	0	0	%100
7	M4	X	-.527	-.527	0	%100
8	M4	Z	0	0	0	%100
9	M5	X	-.521	-.521	0	%100
10	M5	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,%]
11	M6	X	-615	-615	0	%100
12	M6	Z	0	0	0	%100
13	M7	X	-615	-615	0	%100
14	M7	Z	0	0	0	%100
15	M8	X	-615	-615	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	-615	-615	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-329	-329	0	%100
20	M10	Z	0	0	0	%100
21	M11	X	-329	-329	0	%100
22	M11	Z	0	0	0	%100
23	M12	X	-651	-651	0	%100
24	M12	Z	0	0	0	%100
25	M13	X	-651	-651	0	%100
26	M13	Z	0	0	0	%100
27	M14	X	-651	-651	0	%100
28	M14	Z	0	0	0	%100
29	M15	X	-451	-451	0	%100
30	M15	Z	0	0	0	%100
31	M16	X	-45	-45	0	%100
32	M16	Z	0	0	0	%100
33	M17	X	-651	-651	0	%100
34	M17	Z	0	0	0	%100
35	M18	X	-878	-878	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	-878	-878	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	0	0	0	%100
40	M20	Z	0	0	0	%100
41	M21	X	0	0	0	%100
42	M21	Z	0	0	0	%100
43	M22	X	-329	-329	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	-329	-329	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-651	-651	0	%100
48	M24	Z	0	0	0	%100
49	M25	X	-651	-651	0	%100
50	M25	Z	0	0	0	%100
51	M26	X	-451	-451	0	%100
52	M26	Z	0	0	0	%100
53	M27	X	-45	-45	0	%100
54	M27	Z	0	0	0	%100
55	M28	X	-651	-651	0	%100
56	M28	Z	0	0	0	%100
57	M29	X	-878	-878	0	%100
58	M29	Z	0	0	0	%100
59	M30	X	-878	-878	0	%100
60	M30	Z	0	0	0	%100
61	M31	X	-1.314	-1.314	0	%100
62	M31	Z	0	0	0	%100
63	M32	X	-1.314	-1.314	0	%100
64	M32	Z	0	0	0	%100
65	M33	X	-651	-651	0	%100
66	M33	Z	0	0	0	%100
67	M34	X	-651	-651	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,%]
68	M34	Z	0	0	0	%100
69	M35	X	-.736	-.736	0	%100
70	M35	Z	0	0	0	%100
71	M36	X	-.737	-.737	0	%100
72	M36	Z	0	0	0	%100
73	M37	X	-.788	-.788	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	0	0	0	%100
76	M38	Z	0	0	0	%100
77	M39	X	-.788	-.788	0	%100
78	M39	Z	0	0	0	%100
79	M49	X	-.788	-.788	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	0	0	0	%100
82	M50	Z	0	0	0	%100
83	M51	X	-.788	-.788	0	%100
84	M51	Z	0	0	0	%100
85	M61	X	-.527	-.527	0	%100
86	M61	Z	0	0	0	%100
87	M62	X	-.527	-.527	0	%100
88	M62	Z	0	0	0	%100
89	M63	X	-.521	-.521	0	%100
90	M63	Z	0	0	0	%100
91	M64	X	-.639	-.639	0	%100
92	M64	Z	0	0	0	%100
93	M65	X	-.639	-.639	0	%100
94	M65	Z	0	0	0	%100
95	M66	X	-.639	-.639	0	%100
96	M66	Z	0	0	0	%100
97	M67	X	-.639	-.639	0	%100
98	M67	Z	0	0	0	%100
99	M68	X	-.639	-.639	0	%100
100	M68	Z	0	0	0	%100
101	M69	X	-.639	-.639	0	%100
102	M69	Z	0	0	0	%100
103	M70	X	-.639	-.639	0	%100
104	M70	Z	0	0	0	%100
105	M71	X	-.639	-.639	0	%100
106	M71	Z	0	0	0	%100
107	M72	X	-.639	-.639	0	%100
108	M72	Z	0	0	0	%100
109	M73	X	-.639	-.639	0	%100
110	M73	Z	0	0	0	%100
111	M74	X	-.639	-.639	0	%100
112	M74	Z	0	0	0	%100
113	M75	X	-.639	-.639	0	%100
114	M75	Z	0	0	0	%100
115	MP1A	X	-.556	-.556	0	%100
116	MP1A	Z	0	0	0	%100
117	MP2A	X	-.556	-.556	0	%100
118	MP2A	Z	0	0	0	%100
119	MP4A	X	-.556	-.556	0	%100
120	MP4A	Z	0	0	0	%100
121	MP5A	X	-.556	-.556	0	%100
122	MP5A	Z	0	0	0	%100
123	MPA	X	-.556	-.556	0	%100
124	MPA	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,%]
125	MP6A	X	-.556	-.556	0	%100
126	MP6A	Z	0	0	0	%100
127	MP1C	X	-.556	-.556	0	%100
128	MP1C	Z	0	0	0	%100
129	MP1B	X	-.556	-.556	0	%100
130	MP1B	Z	0	0	0	%100
131	MPC	X	-.556	-.556	0	%100
132	MPC	Z	0	0	0	%100
133	MP2C	X	-.556	-.556	0	%100
134	MP2C	Z	0	0	0	%100
135	MP5C	X	-.556	-.556	0	%100
136	MP5C	Z	0	0	0	%100
137	MP6C	X	-.556	-.556	0	%100
138	MP6C	Z	0	0	0	%100
139	MPB	X	-.556	-.556	0	%100
140	MPB	Z	0	0	0	%100
141	MPB2	X	-.556	-.556	0	%100
142	MPB2	Z	0	0	0	%100
143	MP5B	X	-.556	-.556	0	%100
144	MP5B	Z	0	0	0	%100
145	MP4C	X	-.556	-.556	0	%100
146	MP4C	Z	0	0	0	%100
147	MP3C	X	-.556	-.556	0	%100
148	MP3C	Z	0	0	0	%100
149	M146	X	-.878	-.878	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	-.878	-.878	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	-.878	-.878	0	%100
154	M154	Z	0	0	0	%100
155	M155	X	-.878	-.878	0	%100
156	M155	Z	0	0	0	%100
157	M162	X	0	0	0	%100
158	M162	Z	0	0	0	%100
159	M163	X	0	0	0	%100
160	M163	Z	0	0	0	%100
161	MP3A	X	-.556	-.556	0	%100
162	MP3A	Z	0	0	0	%100
163	MP4B	X	-.556	-.556	0	%100
164	MP4B	Z	0	0	0	%100
165	MP6B	X	-.556	-.556	0	%100
166	MP6B	Z	0	0	0	%100
167	MP3B	X	-.556	-.556	0	%100
168	MP3B	Z	0	0	0	%100
169	M163A	X	-.556	-.556	0	%100
170	M163A	Z	0	0	0	%100
171	M166	X	-.351	-.351	0	%100
172	M166	Z	0	0	0	%100
173	M169A	X	-.351	-.351	0	%100
174	M169A	Z	0	0	0	%100
175	MP2B	X	-.556	-.556	0	%100
176	MP2B	Z	0	0	0	%100
177	M173A	X	-.088	-.088	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	-.088	-.088	0	%100
180	M176	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	-.254	-.254	0	%100
2	M1	Z	-.146	-.146	0	%100
3	M2	X	-.254	-.254	0	%100
4	M2	Z	-.146	-.146	0	%100
5	M3	X	-.489	-.489	0	%100
6	M3	Z	-.282	-.282	0	%100
7	M4	X	-.489	-.489	0	%100
8	M4	Z	-.282	-.282	0	%100
9	M5	X	-.485	-.485	0	%100
10	M5	Z	-.28	-.28	0	%100
11	M6	X	-.71	-.71	0	%100
12	M6	Z	-.41	-.41	0	%100
13	M7	X	-.71	-.71	0	%100
14	M7	Z	-.41	-.41	0	%100
15	M8	X	-.178	-.178	0	%100
16	M8	Z	-.102	-.102	0	%100
17	M9	X	-.178	-.178	0	%100
18	M9	Z	-.102	-.102	0	%100
19	M10	X	-.854	-.854	0	%100
20	M10	Z	-.493	-.493	0	%100
21	M11	X	-.854	-.854	0	%100
22	M11	Z	-.493	-.493	0	%100
23	M12	X	-.564	-.564	0	%100
24	M12	Z	-.325	-.325	0	%100
25	M13	X	-.564	-.564	0	%100
26	M13	Z	-.325	-.325	0	%100
27	M14	X	-.564	-.564	0	%100
28	M14	Z	-.325	-.325	0	%100
29	M15	X	-.555	-.555	0	%100
30	M15	Z	-.321	-.321	0	%100
31	M16	X	-.555	-.555	0	%100
32	M16	Z	-.321	-.321	0	%100
33	M17	X	-.564	-.564	0	%100
34	M17	Z	-.325	-.325	0	%100
35	M18	X	-.254	-.254	0	%100
36	M18	Z	-.146	-.146	0	%100
37	M19	X	-.254	-.254	0	%100
38	M19	Z	-.146	-.146	0	%100
39	M20	X	-.178	-.178	0	%100
40	M20	Z	-.102	-.102	0	%100
41	M21	X	-.178	-.178	0	%100
42	M21	Z	-.102	-.102	0	%100
43	M22	X	0	0	0	%100
44	M22	Z	0	0	0	%100
45	M23	X	0	0	0	%100
46	M23	Z	0	0	0	%100
47	M24	X	-.564	-.564	0	%100
48	M24	Z	-.325	-.325	0	%100
49	M25	X	-.564	-.564	0	%100
50	M25	Z	-.325	-.325	0	%100
51	M26	X	-.308	-.308	0	%100
52	M26	Z	-.178	-.178	0	%100
53	M27	X	-.307	-.307	0	%100
54	M27	Z	-.177	-.177	0	%100
55	M28	X	-.564	-.564	0	%100
56	M28	Z	-.325	-.325	0	%100
57	M29	X	-1.014	-1.014	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,%]
58	M29	Z	-586	-586	0	%100
59	M30	X	-1.014	-1.014	0	%100
60	M30	Z	-586	-586	0	%100
61	M31	X	-854	-854	0	%100
62	M31	Z	-493	-493	0	%100
63	M32	X	-854	-854	0	%100
64	M32	Z	-493	-493	0	%100
65	M33	X	-564	-564	0	%100
66	M33	Z	-325	-325	0	%100
67	M34	X	-564	-564	0	%100
68	M34	Z	-325	-325	0	%100
69	M35	X	-555	-555	0	%100
70	M35	Z	-321	-321	0	%100
71	M36	X	-555	-555	0	%100
72	M36	Z	-321	-321	0	%100
73	M37	X	-228	-228	0	%100
74	M37	Z	-131	-131	0	%100
75	M38	X	-228	-228	0	%100
76	M38	Z	-131	-131	0	%100
77	M39	X	-91	-91	0	%100
78	M39	Z	-525	-525	0	%100
79	M49	X	-228	-228	0	%100
80	M49	Z	-131	-131	0	%100
81	M50	X	-228	-228	0	%100
82	M50	Z	-131	-131	0	%100
83	M51	X	-91	-91	0	%100
84	M51	Z	-525	-525	0	%100
85	M61	X	-489	-489	0	%100
86	M61	Z	-282	-282	0	%100
87	M62	X	-489	-489	0	%100
88	M62	Z	-282	-282	0	%100
89	M63	X	-485	-485	0	%100
90	M63	Z	-28	-28	0	%100
91	M64	X	-489	-489	0	%100
92	M64	Z	-282	-282	0	%100
93	M65	X	-489	-489	0	%100
94	M65	Z	-282	-282	0	%100
95	M66	X	-485	-485	0	%100
96	M66	Z	-28	-28	0	%100
97	M67	X	-489	-489	0	%100
98	M67	Z	-282	-282	0	%100
99	M68	X	-489	-489	0	%100
100	M68	Z	-282	-282	0	%100
101	M69	X	-485	-485	0	%100
102	M69	Z	-28	-28	0	%100
103	M70	X	-586	-586	0	%100
104	M70	Z	-338	-338	0	%100
105	M71	X	-586	-586	0	%100
106	M71	Z	-338	-338	0	%100
107	M72	X	-587	-587	0	%100
108	M72	Z	-339	-339	0	%100
109	M73	X	-586	-586	0	%100
110	M73	Z	-338	-338	0	%100
111	M74	X	-586	-586	0	%100
112	M74	Z	-338	-338	0	%100
113	M75	X	-587	-587	0	%100
114	M75	Z	-339	-339	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, %]
115	MP1A	X	-482	-482	0	%100
116	MP1A	Z	-278	-278	0	%100
117	MP2A	X	-482	-482	0	%100
118	MP2A	Z	-278	-278	0	%100
119	MP4A	X	-482	-482	0	%100
120	MP4A	Z	-278	-278	0	%100
121	MP5A	X	-482	-482	0	%100
122	MP5A	Z	-278	-278	0	%100
123	MPA	X	-482	-482	0	%100
124	MPA	Z	-278	-278	0	%100
125	MP6A	X	-482	-482	0	%100
126	MP6A	Z	-278	-278	0	%100
127	MP1C	X	-482	-482	0	%100
128	MP1C	Z	-278	-278	0	%100
129	MP1B	X	-482	-482	0	%100
130	MP1B	Z	-278	-278	0	%100
131	MPC	X	-482	-482	0	%100
132	MPC	Z	-278	-278	0	%100
133	MP2C	X	-482	-482	0	%100
134	MP2C	Z	-278	-278	0	%100
135	MP5C	X	-482	-482	0	%100
136	MP5C	Z	-278	-278	0	%100
137	MP6C	X	-482	-482	0	%100
138	MP6C	Z	-278	-278	0	%100
139	MPB	X	-482	-482	0	%100
140	MPB	Z	-278	-278	0	%100
141	MPB2	X	-482	-482	0	%100
142	MPB2	Z	-278	-278	0	%100
143	MP5B	X	-482	-482	0	%100
144	MP5B	Z	-278	-278	0	%100
145	MP4C	X	-482	-482	0	%100
146	MP4C	Z	-278	-278	0	%100
147	MP3C	X	-482	-482	0	%100
148	MP3C	Z	-278	-278	0	%100
149	M146	X	-254	-254	0	%100
150	M146	Z	-146	-146	0	%100
151	M147	X	-254	-254	0	%100
152	M147	Z	-146	-146	0	%100
153	M154	X	-1.014	-1.014	0	%100
154	M154	Z	-586	-586	0	%100
155	M155	X	-1.014	-1.014	0	%100
156	M155	Z	-586	-586	0	%100
157	M162	X	-254	-254	0	%100
158	M162	Z	-146	-146	0	%100
159	M163	X	-254	-254	0	%100
160	M163	Z	-146	-146	0	%100
161	MP3A	X	-482	-482	0	%100
162	MP3A	Z	-278	-278	0	%100
163	MP4B	X	-482	-482	0	%100
164	MP4B	Z	-278	-278	0	%100
165	MP6B	X	-482	-482	0	%100
166	MP6B	Z	-278	-278	0	%100
167	MP3B	X	-482	-482	0	%100
168	MP3B	Z	-278	-278	0	%100
169	M163A	X	-482	-482	0	%100
170	M163A	Z	-278	-278	0	%100
171	M166	X	-228	-228	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,%]
172	M166	Z	-.132	-.132	0	%100
173	M169A	X	-.228	-.228	0	%100
174	M169A	Z	-.132	-.132	0	%100
175	MP2B	X	-.482	-.482	0	%100
176	MP2B	Z	-.278	-.278	0	%100
177	M173A	X	0	0	0	%100
178	M173A	Z	0	0	0	%100
179	M176	X	0	0	0	%100
180	M176	Z	0	0	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	-.439	-.439	0	%100
2	M1	Z	-.761	-.761	0	%100
3	M2	X	-.439	-.439	0	%100
4	M2	Z	-.761	-.761	0	%100
5	M3	X	-.32	-.32	0	%100
6	M3	Z	-.554	-.554	0	%100
7	M4	X	-.32	-.32	0	%100
8	M4	Z	-.554	-.554	0	%100
9	M5	X	-.319	-.319	0	%100
10	M5	Z	-.553	-.553	0	%100
11	M6	X	-.307	-.307	0	%100
12	M6	Z	-.533	-.533	0	%100
13	M7	X	-.307	-.307	0	%100
14	M7	Z	-.533	-.533	0	%100
15	M8	X	0	0	0	%100
16	M8	Z	0	0	0	%100
17	M9	X	0	0	0	%100
18	M9	Z	0	0	0	%100
19	M10	X	-.657	-.657	0	%100
20	M10	Z	-1.138	-1.138	0	%100
21	M11	X	-.657	-.657	0	%100
22	M11	Z	-1.138	-1.138	0	%100
23	M12	X	-.325	-.325	0	%100
24	M12	Z	-.564	-.564	0	%100
25	M13	X	-.325	-.325	0	%100
26	M13	Z	-.564	-.564	0	%100
27	M14	X	-.325	-.325	0	%100
28	M14	Z	-.564	-.564	0	%100
29	M15	X	-.368	-.368	0	%100
30	M15	Z	-.638	-.638	0	%100
31	M16	X	-.369	-.369	0	%100
32	M16	Z	-.638	-.638	0	%100
33	M17	X	-.325	-.325	0	%100
34	M17	Z	-.564	-.564	0	%100
35	M18	X	0	0	0	%100
36	M18	Z	0	0	0	%100
37	M19	X	0	0	0	%100
38	M19	Z	0	0	0	%100
39	M20	X	-.307	-.307	0	%100
40	M20	Z	-.533	-.533	0	%100
41	M21	X	-.307	-.307	0	%100
42	M21	Z	-.533	-.533	0	%100
43	M22	X	-.164	-.164	0	%100
44	M22	Z	-.285	-.285	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,%]
45	M23	X	-.164	-.164	0	%100
46	M23	Z	-.285	-.285	0	%100
47	M24	X	-.325	-.325	0	%100
48	M24	Z	-.564	-.564	0	%100
49	M25	X	-.325	-.325	0	%100
50	M25	Z	-.564	-.564	0	%100
51	M26	X	-.226	-.226	0	%100
52	M26	Z	-.391	-.391	0	%100
53	M27	X	-.225	-.225	0	%100
54	M27	Z	-.39	-.39	0	%100
55	M28	X	-.325	-.325	0	%100
56	M28	Z	-.564	-.564	0	%100
57	M29	X	-.439	-.439	0	%100
58	M29	Z	-.761	-.761	0	%100
59	M30	X	-.439	-.439	0	%100
60	M30	Z	-.761	-.761	0	%100
61	M31	X	-.164	-.164	0	%100
62	M31	Z	-.285	-.285	0	%100
63	M32	X	-.164	-.164	0	%100
64	M32	Z	-.285	-.285	0	%100
65	M33	X	-.325	-.325	0	%100
66	M33	Z	-.564	-.564	0	%100
67	M34	X	-.325	-.325	0	%100
68	M34	Z	-.564	-.564	0	%100
69	M35	X	-.226	-.226	0	%100
70	M35	Z	-.391	-.391	0	%100
71	M36	X	-.225	-.225	0	%100
72	M36	Z	-.39	-.39	0	%100
73	M37	X	0	0	0	%100
74	M37	Z	0	0	0	%100
75	M38	X	-.394	-.394	0	%100
76	M38	Z	-.683	-.683	0	%100
77	M39	X	-.394	-.394	0	%100
78	M39	Z	-.683	-.683	0	%100
79	M49	X	0	0	0	%100
80	M49	Z	0	0	0	%100
81	M50	X	-.394	-.394	0	%100
82	M50	Z	-.683	-.683	0	%100
83	M51	X	-.394	-.394	0	%100
84	M51	Z	-.683	-.683	0	%100
85	M61	X	-.32	-.32	0	%100
86	M61	Z	-.554	-.554	0	%100
87	M62	X	-.32	-.32	0	%100
88	M62	Z	-.554	-.554	0	%100
89	M63	X	-.319	-.319	0	%100
90	M63	Z	-.553	-.553	0	%100
91	M64	X	-.263	-.263	0	%100
92	M64	Z	-.456	-.456	0	%100
93	M65	X	-.263	-.263	0	%100
94	M65	Z	-.456	-.456	0	%100
95	M66	X	-.26	-.26	0	%100
96	M66	Z	-.451	-.451	0	%100
97	M67	X	-.263	-.263	0	%100
98	M67	Z	-.456	-.456	0	%100
99	M68	X	-.263	-.263	0	%100
100	M68	Z	-.456	-.456	0	%100
101	M69	X	-.26	-.26	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,%]
102	M69	Z	-.451	-.451	0	%100
103	M70	X	-.32	-.32	0	%100
104	M70	Z	-.554	-.554	0	%100
105	M71	X	-.32	-.32	0	%100
106	M71	Z	-.554	-.554	0	%100
107	M72	X	-.319	-.319	0	%100
108	M72	Z	-.553	-.553	0	%100
109	M73	X	-.32	-.32	0	%100
110	M73	Z	-.554	-.554	0	%100
111	M74	X	-.32	-.32	0	%100
112	M74	Z	-.554	-.554	0	%100
113	M75	X	-.319	-.319	0	%100
114	M75	Z	-.553	-.553	0	%100
115	MP1A	X	-.278	-.278	0	%100
116	MP1A	Z	-.482	-.482	0	%100
117	MP2A	X	-.278	-.278	0	%100
118	MP2A	Z	-.482	-.482	0	%100
119	MP4A	X	-.278	-.278	0	%100
120	MP4A	Z	-.482	-.482	0	%100
121	MP5A	X	-.278	-.278	0	%100
122	MP5A	Z	-.482	-.482	0	%100
123	MPA	X	-.278	-.278	0	%100
124	MPA	Z	-.482	-.482	0	%100
125	MP6A	X	-.278	-.278	0	%100
126	MP6A	Z	-.482	-.482	0	%100
127	MP1C	X	-.278	-.278	0	%100
128	MP1C	Z	-.482	-.482	0	%100
129	MP1B	X	-.278	-.278	0	%100
130	MP1B	Z	-.482	-.482	0	%100
131	MP3C	X	-.278	-.278	0	%100
132	MP3C	Z	-.482	-.482	0	%100
133	MP2C	X	-.278	-.278	0	%100
134	MP2C	Z	-.482	-.482	0	%100
135	MP5C	X	-.278	-.278	0	%100
136	MP5C	Z	-.482	-.482	0	%100
137	MP6C	X	-.278	-.278	0	%100
138	MP6C	Z	-.482	-.482	0	%100
139	MPB	X	-.278	-.278	0	%100
140	MPB	Z	-.482	-.482	0	%100
141	MPB2	X	-.278	-.278	0	%100
142	MPB2	Z	-.482	-.482	0	%100
143	MP5B	X	-.278	-.278	0	%100
144	MP5B	Z	-.482	-.482	0	%100
145	MP4C	X	-.278	-.278	0	%100
146	MP4C	Z	-.482	-.482	0	%100
147	MP3C	X	-.278	-.278	0	%100
148	MP3C	Z	-.482	-.482	0	%100
149	M146	X	0	0	0	%100
150	M146	Z	0	0	0	%100
151	M147	X	0	0	0	%100
152	M147	Z	0	0	0	%100
153	M154	X	-.439	-.439	0	%100
154	M154	Z	-.761	-.761	0	%100
155	M155	X	-.439	-.439	0	%100
156	M155	Z	-.761	-.761	0	%100
157	M162	X	-.439	-.439	0	%100
158	M162	Z	-.761	-.761	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, %]
159	M163	X	-439	-439	0	%100
160	M163	Z	-761	-761	0	%100
161	MP3A	X	-278	-278	0	%100
162	MP3A	Z	-482	-482	0	%100
163	MP4B	X	-278	-278	0	%100
164	MP4B	Z	-482	-482	0	%100
165	MP6B	X	-278	-278	0	%100
166	MP6B	Z	-482	-482	0	%100
167	MP3B	X	-278	-278	0	%100
168	MP3B	Z	-482	-482	0	%100
169	M163A	X	-278	-278	0	%100
170	M163A	Z	-482	-482	0	%100
171	M166	X	-044	-044	0	%100
172	M166	Z	-076	-076	0	%100
173	M169A	X	-044	-044	0	%100
174	M169A	Z	-076	-076	0	%100
175	MP2B	X	-278	-278	0	%100
176	MP2B	Z	-482	-482	0	%100
177	M173A	X	-044	-044	0	%100
178	M173A	Z	-076	-076	0	%100
179	M176	X	-044	-044	0	%100
180	M176	Z	-076	-076	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	Y	-5.471	-5.471	3.609	10.808
2	M18	Y	-5.471	-5.471	3.609	10.808
3	M29	Y	-5.471	-5.471	3.609	10.808
4	M1	Y	-4.51	-4.506	1.442	3.46
5	M1	Y	-4.506	-8.403	3.46	5.478
6	M1	Y	-8.403	-10.449	5.478	7.497
7	M1	Y	-10.449	-6.828	7.497	9.515
8	M1	Y	-6.828	-4.51	9.515	11.533
9	M10	Y	-5.059	-5.059	2.911	4.433
10	M22	Y	-5.73	-5.73	3.484	5.131
11	M18	Y	-4.51	-4.506	1.442	3.46
12	M18	Y	-4.506	-8.403	3.46	5.478
13	M18	Y	-8.403	-10.449	5.478	7.497
14	M18	Y	-10.449	-6.828	7.497	9.515
15	M18	Y	-6.828	-4.51	9.515	11.533
16	M22	Y	-5.059	-5.059	2.911	4.433
17	M31	Y	-5.73	-5.73	3.484	5.131
18	M10	Y	-5.73	-5.73	3.484	5.131
19	M29	Y	-4.51	-4.506	1.442	3.46
20	M29	Y	-4.506	-8.403	3.46	5.478
21	M29	Y	-8.403	-10.449	5.478	7.497
22	M29	Y	-10.449	-6.828	7.497	9.515
23	M29	Y	-6.828	-4.51	9.515	11.533
24	M31	Y	-5.059	-5.059	2.911	4.433

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	Y	-16.203	-16.203	3.609	10.808
2	M18	Y	-15.782	-15.782	3.609	10.808
3	M29	Y	-15.782	-15.782	3.609	10.808
4	M1	Y	-1.352	-13.518	1.442	3.46

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	M1	Y	-13.518	-25.208	3.46	5.478
6	M1	Y	-25.208	-31.348	5.478	7.497
7	M1	Y	-31.348	-20.484	7.497	9.515
8	M1	Y	-20.484	-1.352	9.515	11.533
9	M10	Y	-15.177	-15.177	2.911	4.433
10	M22	Y	-17.19	-17.19	3.484	5.131
11	M18	Y	-1.352	-13.518	1.442	3.46
12	M18	Y	-13.518	-25.208	3.46	5.478
13	M18	Y	-25.208	-31.348	5.478	7.497
14	M18	Y	-31.348	-20.484	7.497	9.515
15	M18	Y	-20.484	-1.352	9.515	11.533
16	M22	Y	-15.177	-15.177	2.911	4.433
17	M31	Y	-17.19	-17.19	3.484	5.131
18	M10	Y	-17.19	-17.19	3.484	5.131
19	M29	Y	-1.352	-13.518	1.442	3.46
20	M29	Y	-13.518	-25.208	3.46	5.478
21	M29	Y	-25.208	-31.348	5.478	7.497
22	M29	Y	-31.348	-20.484	7.497	9.515
23	M29	Y	-20.484	-1.352	9.515	11.533
24	M31	Y	-15.177	-15.177	2.911	4.433

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N217	N116A	N117	N219A	Y	Two Way	-.005
2	N115A	N226	N227	N116B	Y	Two Way	-.005
3	N235	N118	N119A	N236	Y	Two Way	-.005
4	N5	N36	N77	N112A	Y	Two Way	-.005
5	N117A	N78	N119	N126	Y	Two Way	-.005
6	N131	N120	N35	N140	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N217	N116A	N117	N219A	Y	Two Way	-.015
2	N115A	N226	N227	N116B	Y	Two Way	-.015
3	N235	N118	N119A	N236	Y	Two Way	-.015
4	N5	N36	N77	N112A	Y	Two Way	-.015
5	N117A	N78	N119	N126	Y	Two Way	-.015
6	N131	N120	N35	N140	Y	Two Way	-.015

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	N28	max	-1505.712	65	4021.603	24	3985.646	13	.015	18	0	75	.005	48
2		min	-6432.614	15	481.964	6	830.414	6	-.009	48	0	1	-.009	18
3	N27	max	7581.304	21	1306.99	18	582.203	3	.014	24	0	75	.006	42
4		min	-1076.877	3	-483.929	12	-4489.318	21	-.01	42	0	1	-.008	24
5	N69	max	1169.748	11	1252.171	14	730.743	11	.014	14	0	75	.008	14
6		min	-6636.531	17	-113.292	8	-3479.995	17	-.011	32	0	1	-.006	32
7	N70	max	5533.754	23	3433.433	20	2947.978	22	.014	24	0	75	.008	24
8		min	1378.498	5	700.373	2	771.605	64	-.012	30	0	1	-.007	30
9	N111	max	903.978	10	1356.679	22	7108.265	13	0	10	0	75	.002	4
10		min	-689.551	4	-169.611	4	-1549.24	7	0	4	0	1	-.007	22
11	N112	max	295.253	10	4053.696	16	-1430.046	71	0	10	0	75	.005	10
12		min	-497.91	4	778.982	10	-6041.187	19	0	4	0	1	-.009	4

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
13	Totals:	max	8380.194	10	14288.541	15	7992.321	1						
14		min	-8380.141	4	3712.014	71	-7992.37	7						

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

	Member	Shape	Code Check	Loc[...]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt ...	phi*Mn ...	phi*Mn ...	Cb	Eqn
1	M1	L3X3X4	.312	9.461	26	.370	0	z	13	17395.3...	46656	1.688	3.595	2...	H2-1
2	M2	L3X3X4	.407	1.352	12	.412	0	y	13	36458.3...	46656	1.688	2.122	1	H2-1
3	M3	L2x2x3	.038	1.387	12	.026	2.833	z	4	15645.9...	23392.8	.558	1.163	1...	H2-1
4	M4	L2x2x3	.042	1.417	7	.033	0	z	9	15646.6...	23392.8	.558	1.163	1...	H2-1
5	M5	L2x2x3	.023	1.427	7	.030	0	z	1	15558.4...	23392.8	.558	1.162	1...	H2-1
6	M6	L6X3.5X6	.090	.25	8	.236	.25	y	9	102181...	111456	4.002	13.334	1...	H2-1
7	M7	L6X3.5X6	.056	.5	8	.244	.25	y	2	102181...	111456	3.896	13.971	2...	H2-1
8	M8	L6X3.5X6	.110	.25	12	.265	.25	y	1	102181...	111456	4.002	13.447	1...	H2-1
9	M9	L6X3.5X6	.075	.5	12	.289	.25	y	6	102181...	111456	3.896	13.971	1...	H2-1
10	M10	L3.5X3.5X6	.468	3.658	18	.178	6.625	z	24	39693.7...	81000	3.34	7.452	3...	H2-1
11	M11	L3.5X3.5X6	.533	6.211	22	.221	6.418	y	24	67476.8...	81000	3.34	7.452	1...	H2-1
12	M12	L2x2x3	.253	1.146	24	.020	0	z	12	17104.1...	23392.8	.558	1.189	1...	H2-1
13	M13	L2x2x3	.100	1.146	24	.005	0	z	6	17104.1...	23392.8	.558	1.189	1...	H2-1
14	M14	L2x2x3	.048	1.328	24	.015	0	z	11	17104.1...	23392.8	.558	1.189	1...	H2-1
15	M15	L2x2x3	.295	1.835	19	.018	3.595	y	12	12243.4...	23392.8	.558	1.11	1...	H2-1
16	M16	L2x2x3	.357	1.803	14	.015	0	y	6	12190.54	23392.8	.558	1.109	1...	H2-1
17	M17	L2x2x3	.032	1.328	19	.010	2.5	y	8	17104.1...	23392.8	.558	1.189	1...	H2-1
18	M18	L3X3X4	.344	1.502	3	.446	0	z	21	17395.3...	46656	1.688	2.122	1	H2-1
19	M19	L3X3X4	.387	3.454	9	.416	10.062	z	21	36458.3...	46656	1.688	2.122	1	H2-1
20	M20	L6X3.5X6	.100	.25	5	.253	.25	y	17	102181...	111456	3.896	13.409	1...	H2-1
21	M21	L6X3.5X6	.061	.25	24	.104	.25	y	12	102181...	111456	4.002	14.35	1...	H2-1
22	M22	L3.5X3.5X6	.387	3.658	14	.161	6.625	z	20	39693.7...	81000	3.34	7.452	2...	H2-1
23	M23	L3.5X3.5X6	.471	6.211	17	.200	6.418	y	14	67476.8...	81000	3.34	7.452	2...	H2-1
24	M24	L2x2x3	.211	1.146	20	.013	0	z	8	17104.1...	23392.8	.558	1.189	1...	H2-1
25	M25	L2x2x3	.087	1.146	20	.003	0	z	2	17104.1...	23392.8	.558	1.189	1...	H2-1
26	M26	L2x2x3	.270	1.835	15	.023	0	z	14	12243.4...	23392.8	.558	1.11	1...	H2-1
27	M27	L2x2x3	.316	1.803	22	.013	3.607	y	8	12190.54	23392.8	.558	1.109	1...	H2-1
28	M28	L2x2x3	.058	1.328	16	.009	2.5	y	10	17104.1...	23392.8	.558	1.189	1...	H2-1
29	M29	L3X3X4	.295	13.3...	11	.554	14.417	z	17	17395.3...	46656	1.688	2.122	1	H2-1
30	M30	L3X3X4	.740	11.5...	5	.450	14.417	y	16	36458.3...	46656	1.688	2.122	1	H2-1
31	M31	L3.5X3.5X6	.413	3.658	19	.171	6.625	z	16	39693.7...	81000	3.34	7.452	2.1	H2-1
32	M32	L3.5X3.5X6	.523	6.211	14	.213	6.418	y	19	67476.8...	81000	3.34	7.452	2...	H2-1
33	M33	L2x2x3	.249	1.146	16	.011	0	z	4	17104.1...	23392.8	.558	1.189	1...	H2-1
34	M34	L2x2x3	.085	1.146	16	.003	0	z	10	17104.1...	23392.8	.558	1.189	1...	H2-1
35	M35	L2x2x3	.337	1.835	23	.017	0	z	23	12243.4...	23392.8	.558	1.11	1...	H2-1
36	M36	L2x2x3	.359	1.803	18	.012	0	y	4	12190.54	23392.8	.558	1.109	1...	H2-1
37	M37	L3X3X4	.531	2.354	18	.227	2.354	z	16	41255.5...	46656	1.688	3.272	1	H2-1
38	M38	L3X3X4	.540	2.354	21	.153	2.354	z	17	41255.5...	46656	1.688	3.272	1	H2-1
39	M39	L3X3X4	.518	2.354	14	.191	2.354	z	21	41255.5...	46656	1.688	3.272	1	H2-1
40	M49	L3X3X4	.557	2.354	17	.205	2.354	y	17	28552.3...	46656	1.688	3.473	1...	H2-1
41	M50	L3X3X4	.597	2.354	22	.146	2.354	y	17	28552.3...	46656	1.688	3.474	1...	H2-1
42	M51	L3X3X4	.545	2.354	13	.169	2.354	y	21	28552.3...	46656	1.688	3.475	1...	H2-1
43	M61	L2x2x3	.040	1.358	44	.030	0	y	24	15645.9...	23392.8	.558	1.163	1...	H2-1
44	M62	L2x2x3	.031	1.417	7	.012	0	y	26	15646.6...	23392.8	.558	1.163	1...	H2-1
45	M63	L2x2x3	.033	1.427	7	.051	2.853	z	13	15558.4...	23392.8	.558	1.162	1...	H2-1
46	M64	L2x2x3	.023	1.417	9	.023	0	y	9	15645.9...	23392.8	.558	1.163	1...	H2-1
47	M65	L2x2x3	.053	1.446	17	.050	0	y	9	15646.6...	23392.8	.558	1.163	1...	H2-1
48	M66	L2x2x3	.027	1.456	17	.047	0	z	9	15558.4...	23392.8	.558	1.162	1...	H2-1
49	M67	L2x2x3	.071	1.387	17	.013	0	z	9	15645.9...	23392.8	.558	1.163	1...	H2-1
50	M68	L2x2x3	.042	1.387	13	.031	0	z	3	15646.6...	23392.8	.558	1.163	1...	H2-1

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

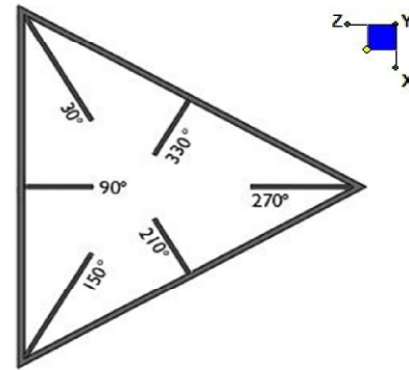
Member	Shape	Code Check	Loc[...]	LC	Shear Check	Loc[ft]	Dir	LC	phi*Pnc...	phi*Pnt...	phi*Mn...	phi*Mn...	Cb	Eqn
51	M69	L2x2x3	.038	1.456	13	.037	2.853	z	22	15558.4...	23392.8	.558	1.162	1... H2-1
52	M70	L2x2x3	.051	1.387	19	.022	0	y	5	15645.9...	23392.8	.558	1.163	1... H2-1
53	M71	L2x2x3	.045	1.387	15	.020	2.833	z	14	15646.6...	23392.8	.558	1.163	1... H2-1
54	M72	L2x2x3	.036	1.456	13	.040	0	z	5	15558.4...	23392.8	.558	1.162	1... H2-1
55	M73	L2x2x3	.039	1.417	11	.015	0	z	10	15645.9...	23392.8	.558	1.163	1... H2-1
56	M74	L2x2x3	.046	1.446	22	.032	2.833	z	5	15646.6...	23392.8	.558	1.163	1... H2-1
57	M75	L2x2x3	.036	1.427	11	.096	0	z	17	15558.4...	23392.8	.558	1.162	1... H2-1
58	MP1A	PIPE 2.0	.182	3.333	5	.178	3.333		2	14916.0...	32130	1.872	1.872	1... H1-1b
59	MP2A	PIPE 2.0	.100	2.5	1	.161	2.5		1	20866.7...	32130	1.872	1.872	1... H1-1b
60	MP4A	PIPE 2.0	.187	3.333	12	.045	3.333		11	14916.0...	32130	1.872	1.872	2... H1-1b
61	MP5A	PIPE 2.0	.145	3.333	1	.052	3.333		4	14916.0...	32130	1.872	1.872	1... H1-1b
62	MPA	PIPE 2.0	.017	2.5	4	.103	2.5		13	20866.7...	32130	1.872	1.872	1... H1-1b
63	MP6A	PIPE 2.0	.123	5.083	6	.137	6.5		2	14916.0...	32130	1.872	1.872	1... H1-1b
64	MP1C	PIPE 2.0	.581	3.333	11	.195	3.333		11	14916.0...	32130	1.872	1.872	1... H1-1b
65	MP1B	PIPE 2.0	.186	3.333	9	.224	3.333		5	14916.0...	32130	1.872	1.872	1... H1-1b
66	MPC	PIPE 2.0	.015	2.5	10	.073	2.5		22	20866.7...	32130	1.872	1.872	1... H1-1b
67	MP2C	PIPE 2.0	.121	2.5	8	.048	2.5		9	20866.7...	32130	1.872	1.872	1... H1-1b
68	MP5C	PIPE 2.0	.138	3.333	8	.104	3.333		9	14916.0...	32130	1.872	1.872	1... H1-1b
69	MP6C	PIPE 2.0	.201	5	8	.173	2.5		8	20866.7...	32130	1.872	1.872	1... H1-1b
70	MPB	PIPE 2.0	.135	2.5	5	.258	2.5		5	20866.7...	32130	1.872	1.872	1... H3-6
71	MPB2	PIPE 2.0	.796	2.5	8	.336	2.5		8	20866.7...	32130	1.872	1.872	1... H3-6
72	MP5B	PIPE 2.0	.098	2.5	11	.083	2.5		5	20866.7...	32130	1.872	1.872	1... H1-1b
73	MP4C	PIPE 2.0	.242	3.333	2	.053	3.333		2	14916.0...	32130	1.872	1.872	1... H1-1b
74	MP3C	PIPE 2.0	.137	3.333	8	.051	3.333		9	14916.0...	32130	1.872	1.872	1... H1-1b
75	M146	L3X3X4	.362	3.604	24	.134	3.604	y	16	14879.2...	46656	1.688	3.179	1... H2-1
76	M147	L3X3X4	.296	3.604	18	.133	3.604	z	5	14879.2...	46656	1.688	3.185	1... H2-1
77	M154	L3X3X4	.331	3.604	24	.117	3.604	y	24	14879.2...	46656	1.688	3.175	1... H2-1
78	M155	L3X3X4	.276	3.604	14	.111	3.604	z	13	14879.2...	46656	1.688	3.185	1... H2-1
79	M162	L3X3X4	.422	3.604	16	.103	3.604	y	17	14879.2...	46656	1.688	3.172	1... H2-1
80	M163	L3X3X4	.356	3.604	22	.115	3.604	z	5	14879.2...	46656	1.688	3.175	1... H2-1
81	MP3A	PIPE 2.0	.095	2.5	1	.095	2.5		13	20866.7...	32130	1.872	1.872	1... H1-1b
82	MP4B	PIPE 2.0	.094	3.333	5	.071	3.333		5	14916.1...	32130	1.872	1.872	2... H1-1b
83	MP6B	PIPE 2.0	.069	2.5	5	.134	2.5		5	20866.7...	32130	1.872	1.872	1... H1-1b
84	MP3B	PIPE 2.0	.146	3.333	5	.060	3.333		11	14916.0...	32130	1.872	1.872	1... H1-1b
85	M163A	PIPE 2.0	.405	2.5	5	.272	5		4	20866.7...	32130	1.872	1.872	1... H1-1b
86	M166	PIPE 2.0	.195	.875	1	.106	.875		12	31747.0...	32130	1.872	1.872	1... H1-1b
87	M169A	PIPE 2.0	.238	.875	7	.127	.875		19	31747.0...	32130	1.872	1.872	1... H1-1b
88	MP2B	PIPE 2.0	.233	5	9	.159	6.5		2	14916.0...	32130	1.872	1.872	1... H1-1b
89	M173A	PIPE 2.0	.311	.875	5	.170	.875		4	31747.0...	32130	1.872	1.872	1... H1-1b
90	M176	PIPE 2.0	.335	.875	10	.185	.875		10	31747.0...	32130	1.872	1.872	1... H1-1b



I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N111	270
N112	270
N27	30
N28	30
N69	150
N70	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

d_x (in) (Delta X of typ. bolt config. sketch):

d_y (in) (Delta Y of typ. bolt config. sketch):

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

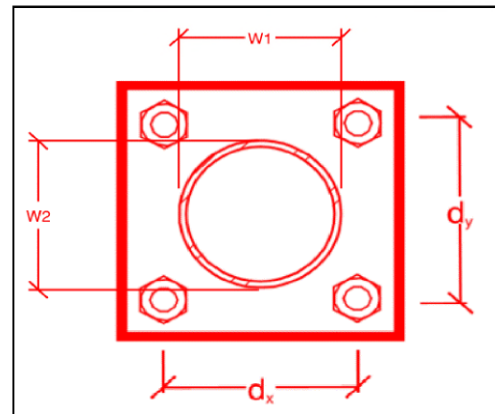
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

Yes
2
2.625
2
U-Bolt
0.625
8.8
4.2
25.5
15.3
17.3%*
13.6%



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

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

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

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

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

For additional questions and support, please reach out to pmisupport@colliersengineering.com

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

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

Base Requirements:

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

Photo Requirements:

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

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
 - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

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

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

Issue:

Contractor shall install two (2) new 96" long P2 STD mount pipes in new position 4 and position 5 on the Beta sector at a distance of 24" and 50" from existing position 3 respectively. Connect to existing upper and lower face horizontal members using one (1) new 1/2" Dia. U-bolt at each connection. Refer to attached antenna placement diagrams.

Contractor shall install two (2) new 96" long P2 STD mount pipes in new position 4 and position 5 on the Gamma sector at a distance of 24" and 75" from existing position 3 respectively. Connect to existing upper and lower face horizontal members using one (1) new 1/2" Dia. U-bolt at each connection. Refer to attached antenna placement diagrams.

Contractor shall install new 96" long P2 STD mount pipe on existing position 7 mount pipe on the Alpha sector and on existing position 3 mount pipe on the Beta sector. Connect to existing mount pipes as detailed in the referenced construction drawings.

Response:

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

☐ Yes ☐ No

Contractor certifies no new damage/obstructions created during the current installation:

☐ Yes ☐ No

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

- ☐ Safety climb in good condition with no obstructions ☐ Safety Climb Damaged
☐ Safety Climb Obstructed

Comments:

--

- ☐ All hardware has been properly installed, and the existing hardware was inspected.
- ☐ The material utilized was as specified on the SMART Tool engineering vendor Mount Modification Drawings and included in the material certification folder is a packing list or invoice for these materials.

OR

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

Antenna & equipment placement and Geometry Confirmation:

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

OR

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

Special Instruction Confirmation:

- ☐ The contractor has read and acknowledges the above special instructions.

Certifying Individual:

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

Sector: A

11/23/2021

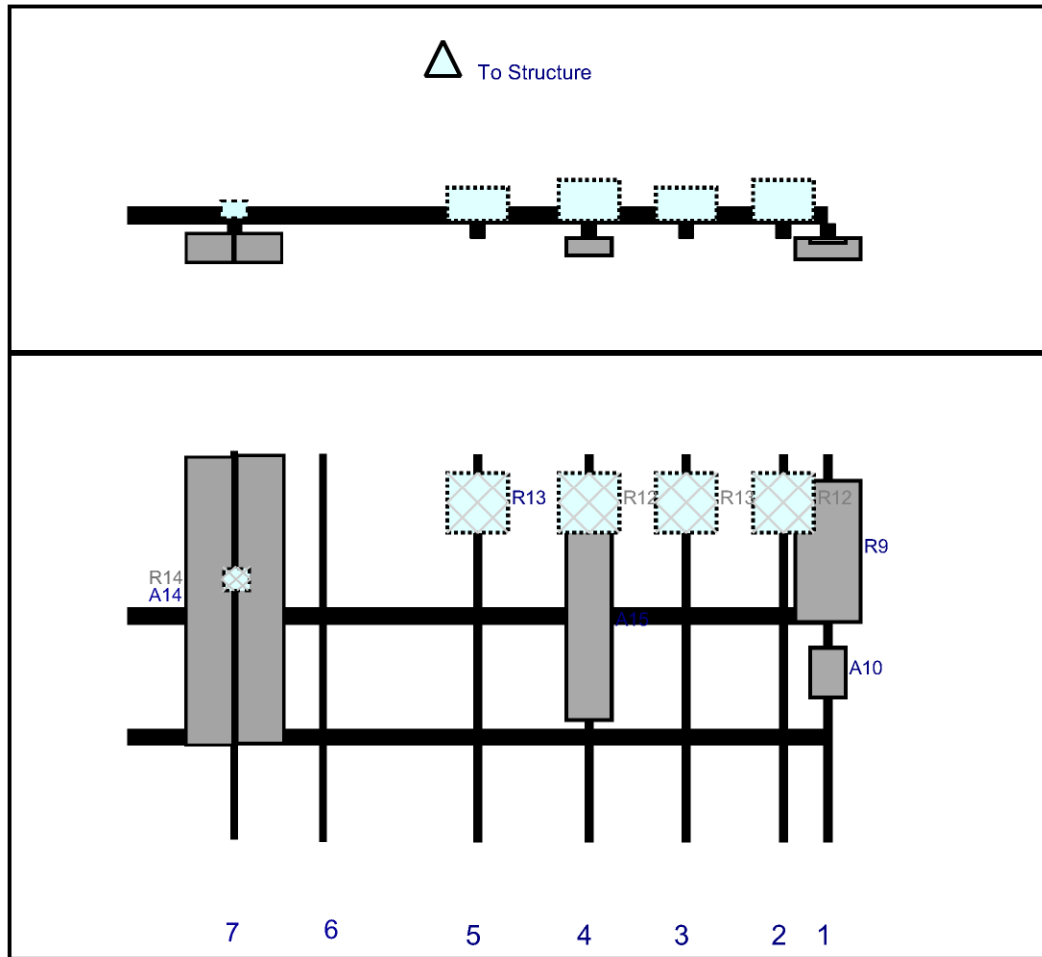
Structure Type: Guyed

10110801

Mount Elev: 84.00

Page: 1

Plan View

Front View
Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A10	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	173	1	a	Front	54	0	Added	
R9	MT6407-77A	35.1	16.1	173	1	a	Front	24	0	Added	
R12	B2/B66A RRH-BR049	15	15	162	2	a	Behind	12	0	Added	
R13	B5/B13 RRH-BR04C	15	15	138	3	a	Behind	12	0	Added	
A15	BXA-80063/4	47.4	11.2	114	4	a	Front	42	0	Retained	06/22/2021
R12	B2/B66A RRH-BR049	15	15	114	4	a	Behind	12	0	Added	
R13	B5/B13 RRH-BR04C	15	15	86.5	5	a	Behind	12	0	Added	
A14	JAHH-65B-R3B	72	13.8	18	7	a	Front	36	-8	Retained	06/22/2021
A14	JAHH-65B-R3B	72	13.8	18	7	a	Front	36	-8	Retained	06/22/2021
R14	CBC78T-DS-43	6.4	6.9	18	7	a	Behind	36	0	Added	

Sector: B

11/23/2021

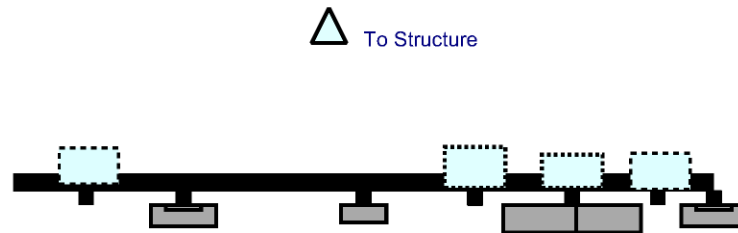
Structure Type: Guyed

10110801

Mount Elev: 84.00

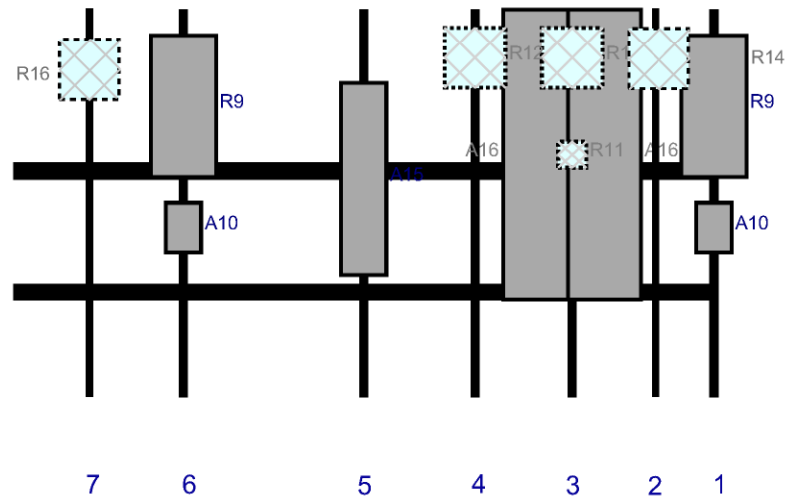
Page: 2

Plan View



Front View

Looking at Structure



Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A10	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	173	1	a	Front	54	0	Added	
R14	B2/B66A RRH-BR049	15	15	150	2	a	Behind	12	0	Added	
R9	MT6407-77A	35.1	16.1	173	1	a	Front	24	0	Added	
A16	JAHH-45B-R3B	72	18	138	3	a	Front	36	-8	Retained	06/22/2021
A16	JAHH-45B-R3B	72	18	138	3	b	Front	36	8	Retained	06/22/2021
R11	CBC78T-DS-43	6.4	6.9	138	3	a	Behind	36	0	Added	
R13	B5/B13 RRH-BR04C	15	15	138	3	a	Behind	12	0	Added	
R12	B2/B66A RRH-BR049	15	15	114	4	a	Behind	12	0	Added	
A15	BXA-80063/4	47.4	11.2	86.5	5	a	Front	42	0	Retained	06/22/2021
A10	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	42	6	a	Front	54	0	Added	
R9	MT6407-77A	35.1	16.1	42	6	a	Front	24	0	Added	
R16	B5/B13 RRH-BR04C	15	15	30	7	a	Behind	12	0	Added	

Sector: C

11/23/2021

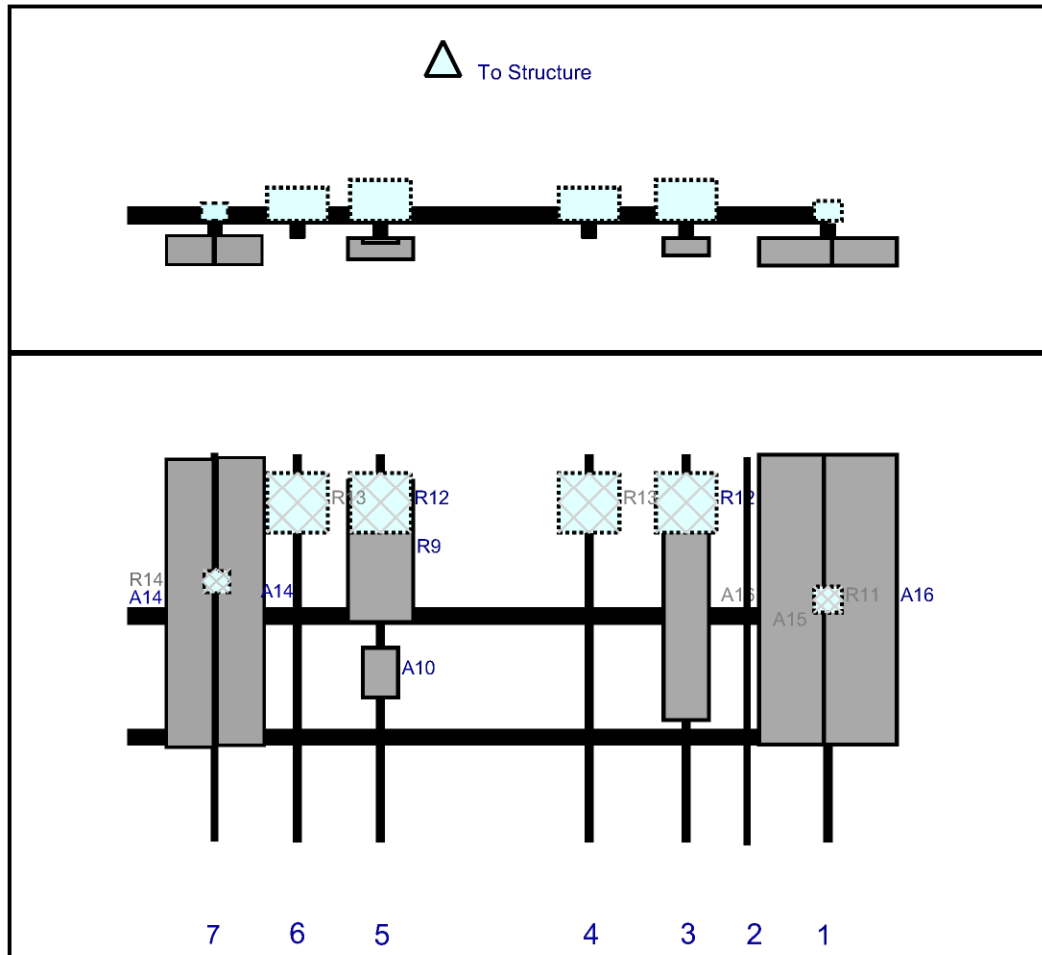
Structure Type: Guyed

10110801

Mount Elev: 84.00

Page: 3

Plan View



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
A16	JAHH-45B-R3B	72	18	173	1	a	Front	36	-8	Retained	06/22/2021
A16	JAHH-45B-R3B	72	18	173	1	b	Front	36	8	Retained	06/22/2021
R11	CBC78T-DS-43	6.4	6.9	173	1	a	Behind	36	0	Added	
A15	BXA-80063/4	47.4	11.2	138	3	a	Front	42	0	Retained	06/22/2021
R12	B2/B66A RRH-BR049	15	15	138	3	a	Behind	12	0	Added	
R13	B5/B13 RRH-BR04C	15	15	114	4	a	Behind	12	0	Added	
A10	XXDWMM-12.5-65-8T-CBRS	12.3	8.7	62.5	5	a	Front	54	0	Added	
R9	MT6407-77A	35.1	16.1	62.5	5	a	Front	24	0	Added	
R12	B2/B66A RRH-BR049	15	15	62.5	5	a	Behind	12	0	Added	
R13	B5/B13 RRH-BR04C	15	15	42	6	a	Behind	12	0	Added	
A14	JAHH-65B-R3B	72	13.8	18	7	a	Front	36	-8	Retained	06/22/2021
A14	JAHH-65B-R3B	72	13.8	18	7	a	Front	36	-8	Retained	06/22/2021
R14	CBC78T-DS-43	6.4	6.9	18	7	a	Behind	36	0	Added	

Maser Consulting Connecticut

Subject

TIA-222-H Usage

Site Information

Site ID: 468927-VZW / STORRS CT
Site Name: STORRS CT
Carrier Name: Verizon Wireless
Address: 82 North Eagleville Rd. UConn Campus
Storrs Mansfield, Connecticut 06268
Tolland County
Latitude: 41.813889°
Longitude: -72.259444°

Structure Information

Tower Type: 292-Ft Guyed
Mount Type: 14.42-FT Platform

To Whom It May Concern,

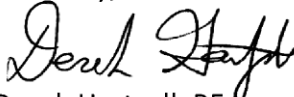
We respectfully submit the above referenced Antenna Mount Structural Analysis report in conformance with ANSI/TIA-222-H, Structural Standard for Antenna Supporting Structures and Antennas and Small Wind Turbine Support Structures.

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

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

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

Sincerely,



Derek Hartzell, PE
Technical Specialist

ATTACHMENT 5



9.23.25

9.23.15

University of
Connecticut

15.23.7

9.23.26

15.23.6

15.23.9

15.33.5

15.33.6

15.23.8

15.33.3

15.33.4

15.21.7

15.21.8

15.21.9

15.21.10

15.21.12

15.21.11

15.21.13

15.21.14

15.21.16

15.21.15

15.31.3

15.33.1

15.33.2

15.32.3

15.32.4

1.21

6-2

15.23.5

6

1.21

Property Card: .

Town of Mansfield, CT



Parcel Information						
Parcel ID: 9.23.15 Vision ID: 6473 Owner: UNIVERSITY OF CONNECTICUT Co-Owner: INFORMATION CENTER 1 (NORTH) Mailing Address: U BOX 3252 FACILITIES MGMT Address: STORRS CT, 06269 STORRS MANSFIELD, CT 06269				Map: 9 Lot: 23-UC278 Use Description: State OB Zone: I Land Area in Acres: 0		
Sale History				Assessed Value		
Book/Page: 0/0 Sale Date: 10/1/2014 Sale Price: \$0				Land: \$2,100 Buildings: \$0 Extra Bldg Features: \$0 Outbuildings: \$1,800 Total: \$3,900		
Building Details: Building # 1						
NO PHOTO AVAILABLE				NO PHOTO AVAILABLE		
Model: Vacant Living Area: 20 Style: Stories: Occupancy: No. Total Rooms: No. Bedrooms: No. Baths: No. Half Baths:				Int Wall Desc 1: Int Wall Desc 2: Ext Wall Desc 1: Ext Wall Desc 2: Roof Cover: Roof Structure: Heat Type: Heat Fuel: A/C Type:		
Outbuildings & Extra Features				Sketch Areas		
Code:	Description:	Units:	Sub Area:	Effective Area:	Gross Area:	Living Area:
LUMP	Lump Sum Misc	2500 UNITS				



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

ATTACHMENT 6



STORRS
Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103		TOTAL NO. of Pieces Listed by Sender 3	TOTAL NO. of Pieces Received at Post Office™ 3	Affix Stamp Here Postmark with Date of Receipt. neopost SM 09/06/2022 US POSTAGE \$003.09 ² TE HOUSE 2022 6103 ZIP 06103 041L12203937			
USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)			Postage	Fee	Special Handling	Parcel Airlift
1.	Ryan Aylesworth, Town Manager Town of Mansfield 4 South Eagleville Road Storrs-Mansfield, CT 06268						
2.	Jennifer Kaufman, Acting Director of Planning & Development Town of Mansfield 4 South Eagleville Road Storrs-Mansfield, CT 06268						
3.	UCONN Information Center 1 (North) UBOX 3252 Facilities Management Storrs, CT 06269						
4.							
5.							
6.							