NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Northeast Site Solutions
Denise Sabo
4 Angela's Way, Burlington CT 06013
203-435-3640
denise@northeastsitesolutions.com

October 27, 2021

Members of the Siting Council
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Exempt Modification Application
2 Richard Road a/k/a 218 Wheeler Road, Torrington CT 06790
Latitude: 41.780653
Longitude: -73.136119
Site#: 828540_ Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 2 Richard Road aka 218 Wheeler Road, Torrington CT 06790. Verizon Wireless currently maintains twelve (12) antennas at the 140-foot level of the existing 160-foot tower. The property is owned by Lucille G. Lefebvre, and the tower is owned by Crown Castle. Verizon now intends to replace twelve (12) existing antenna with twelve (12) new antenna. The new antenna would be installed at the 140-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and **5G** capable. Antenna mount medications will be completed as per attached Maser mount analysis dated August 9, 2012.

Verizon Planned Modifications:

Remove:
(2) LPA 80063 Antenna
(4) Swedcom SC-E 6014 Antenna

Remove and Replace:
(3) BXA-171063 Antenna (REMOVE) – (3) MT6407-77A Antenna (REPLACE)
(3) Swedcom SLXW 752 Antenna (REMOVE) – (3) Antel BXA-70063 Antenna (REPLACE)
(3) Nokia B13 RRH (REMOVE) - (3) Samsung B2/B66A -BRO49 – RFV01U-D1A RRH (REPLACE)

Install New:
(6) Quintel QS6656-5D
(3) Samsung B5/B13 -BRO4C – RFV01U-D2A RRH
(1) Raycap
(1) Hybrid Line

Existing to Remain:
(6) Coax Lines

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The facility was approved by the City of Torrington Planning and Zoning. The original approval documents were not made available after several attempts.

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies§ 16- SOj-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.SA. § 16-SOj-73, a copy of this letter is being sent to The Honorable Elinore Carbone, Mayor for the City of Torrington, Martin J. Connor, City Planner, Crown Castle as the tower owner, and Lucille G. Lefebvre the property owner.

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 structure.

2. The proposed modifications 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 operation of the replacement antennas will not increase radio frequency emissions at the facility to a level at or above the Federal Communications Commission safety standard.

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

6. The existing structure and its foundation can support the proposed loading.

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

Sincerely,

Denise Sabo
Mobile: 203-435-3640
Fax: 413-521-0558
Office: 4 Angela's Way, Burlington CT 06013
Email: denise@northeastsitesolutions.com

NORTHEAST SITE SOLUTIONS
Turnkey Wireless Development

Attachments
cc: The Honorable Elinore Carbone
City of Torrington – Selectman's Office
486 Oxford Road, Oxford CT 06478

Martin J. Connor, City Planner
City of Torrington – Planning and Zoning
486 Oxford Road, Oxford CT 06478

Lucille G. Lefebvre, Property Owner
264 Cathole Road Litchfield, CT 06759

Crown Castle, Tower Owner

Exhibit A

Property Card

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2019.

Information on the Property Records for the Municipality of Torrington was last updated on 8/6/2020.

Property Summary Information

Parcel Data And Values | Building | Outbuildings | Sales | Permits

Parcel Information

Location:	RICHARD RD	Property Use:	Vacant Land	Primary Use:	Land with Outbuildings
Unique ID:	15376	Map Block Lot:	235/001/014/2	Acres:	1.62
490 Acres:	0.00	Zone:	R40	Volume / Page:	0428/0999
Developers Map / Lot:	4570/4592	Census:	5		

Value Information

	Appraised Value	Assessed Value
Land	72,671	50,870
Buildings	12,106	8,470

	Appraised Value	Assessed Value
Detached Outbuildings	20,023	14,020
Total	104,800	73,360

Owner's Information

Owner's Data
LEFEBVRE LUCILLE G DBA VOICESTREAM WIRELESS CORP PMB 331 4017 WASHINGTON RD

Back To Search (JavaScript:window.history.back(1);)
Print View (PrintPage.aspx?towncode=143&uniqueid=15376)

Information Published With Permission From The Assessor

Kent Scientific Corporation
Litchfield St
J&L Medical Services
Litchfield County Pediatrics
Hunters Chase At Litchfield
Richard Rd
Richards Hydraulic Dump Truck
Grate Wall of Fire
Clark Rd
Wheeler Rd
JFK Insurance
Hillside Cemetery
Carvel
Iffland Lumber Company
Merli Automotive
Recreation Field
Bahr Auto Repair
Liberty Recycling North
Torrington Animal Control
Agriventures Agway
A Gallo & Co
Naugatuck River
Thomaston Rd
S Main St
King St
Palmer Bridge St
McKinley St
202
8

Exhibit B

Construction Drawings

verizon

VERIZON SITE NUMBER: 467790
VERIZON SITE NAME: TORRINGTON S CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 160'-0"

BUSINESS UNIT #: 828540
SITE ADDRESS: 218 WHEELER ROAD TORRINGTON, CT 06790
COUNTY: LITCHFIELD
JURISDICTION: CONNECTICUT SITING COUNCIL

VERIZON 5G L-SUB6-CARRIER ADD

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME:	TORRINGTON/RT 8
SITE ADDRESS:	218 WHEELER ROAD TORRINGTON, CT 06790
COUNTY:	LITCHFIELD
MAP/PARCEL #:	235/001/014
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41.780653°
LONGITUDE:	-73.136119°
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	1028'
CURRENT ZONING:	R40
JURISDICTION:	CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION:	U
TYPE OF CONSTRUCTION:	IIB
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	LEFEBVRE LUCILLE G DBA VOICESTREAM WIRELESS CORP, PMB 331 4017 WASHINGTON RD
TOWER OWNER:	CROWN CASTLE 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 20 ALEXANDER DRIVE, 2ND FLOOR WALLINGFORD, CT 06492
ELECTRIC PROVIDER:	NOT PROVIDED
TELCO PROVIDER:	NOT PROVIDED

PROJECT TEAM

A&E FIRM:	B+T GROUP 1717 S. BOULDER AVE. TULSA, OK 74119 MARVIN PHILLIPS marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1500 CORPORATE DRIVE CANONSBURG, PA 15317 N/A - PROJECT MANAGER N/A N/A - CONSTRUCTION MANAGER N/A
VERIZON CONTACT:	ANDREW LEONE ALEONE@STRUCTURECONSULTING.NET

DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
T-2	GENERAL NOTES
C-1	SITE PLAN
C-2	TOWER ELEVATION & ANTENNA PLANS
C-3	EQUIPMENT SCHEDULES
C-4	EQUIPMENT DETAILS
C-5	EQUIPMENT DETAILS
C-6	PLUMBING DIAGRAM
G-1	GROUNDING DETAILS
G-2	GROUNDING DETAILS
ATTACHED	MOUNT MODIFICATIONS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 22X34. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT	https://pmi.vxwsmart.com
SMART TOOL VENDOR PROJECT NUMBER	10092303
VzW LOCATION CODE (PSLC)	16227597

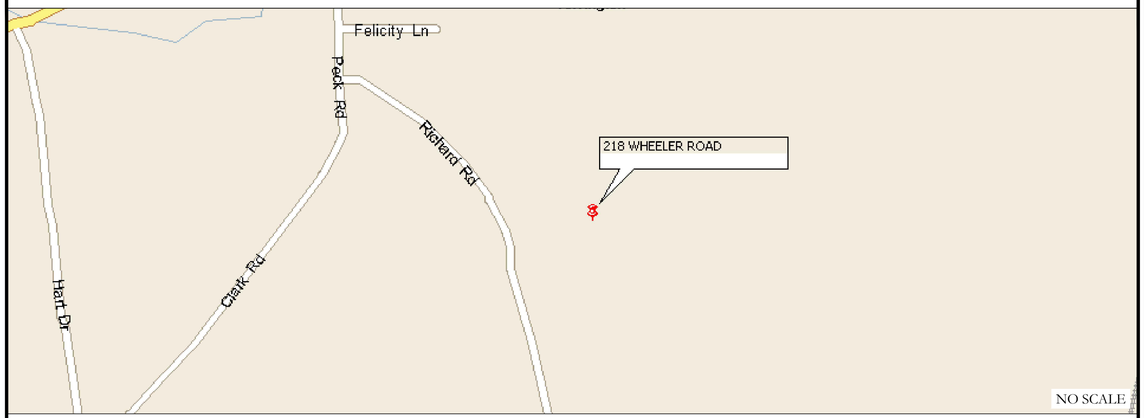
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

MOUNT MODIFICATION REQUIRED	**Y**

VzW APPROVED SMART KIT VENDORS

REFER TO MOUNT MODIFICATION DRAWINGS PAGE FOR VzW SMART KIT APPROVED VENDORS

LOCATION MAP



DRIVING DIRECTIONS FROM VERIZON LOCAL OFFICE (180 WASHINGTON VALLEY RD)
GET ON I-287 N IN MORRISTOWN FROM WASHINGTON VALLEY RD, RTE 24 AND MORRIS ST, CONTINUE ON I-287 N. DRIVE FROM I-684 N AND I-84 E TO HARWINTON. TAKE EXIT 42 FROM CT-8 N, FOLLOW CT-118 W AND WHEELER RD ARRIVED AT TORRINGTON/RT 8.

APPLICABLE CODES/REFERENCE DOCUMENTS

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2015 IBC
MECHANICAL	2015 IMC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: DATED:	BY OTHERS
MOUNT ANALYSIS: DATED:	MASER CONSULTING CONNECTICUT 8/9/21
RFDS REVISION: DATED:	N/A 9/2/20
ORDER ID: REVISION:	568283 1

CALL CONNECTICUT ONE CALL (800) 922-4455 CBYD.COM CALL 2 WORKING DAYS BEFORE YOU DIG!

PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO ENHANCE BROADBAND CONNECTIVITY AND CAPACITY TO THE EXISTING ELIGIBLE WIRELESS FACILITY.

TOWER SCOPE OF WORK:
- REMOVE (12) ANTENNAS
- REMOVE (3) RADIOS
- REMOVE (6) DIPLEXERS
- REMOVE (6) COAX CABLES
- INSTALL (12) ANTENNAS
- INSTALL (6) RADIOs
- INSTALL (1) OVP
- INSTALL (1) HYBRID CABLE
- INSTALL (3) SUPPORT RAIL
- INSTALL (3) SUPPORT RAIL CORNER BRACKET
- INSTALL (3) MOUNT PIPES
- INSTALL (6) CROSSOVER PLATES
- INSTALL (1) OVP PIPE

NOTE:
PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN NOC AT (800) 788-7011 & CROWN CONSTRUCTION MANAGER

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
467790

BU #: **828540**
TORRINGTON/RT 8

218 WHEELER ROAD
TORRINGTON, CT 06790

EXISTING 160'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/25/21	STH	FOR CONSTRUCTION	STH
1	9/2/21	STH	FOR CONSTRUCTION	STH

STEVEN T. HUDSON CONNECTICUT No. 23924 LICENSED PROFESSIONAL ENGINEER
9/2/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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

SHEET NUMBER: T-1
REVISION: 1

154617.001.01_TORRINGTONRT 8.25.21.dwg – Sheet:T-1 – User: shudson – Sep 02, 2021 – 2:49pm

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

1. NOTICE TO PROCEED– NO WORK SHALL COMMENCE PRIOR TO CROWN CASTLE USA INC. WRITTEN NOTICE TO PROCEED (NTP) AND THE ISSUANCE OF A PURCHASE ORDER. PRIOR TO ACCESSING/ENTERING THE SITE YOU MUST CONTACT THE CROWN CASTLE USA INC. NOC AT 800–788–7011 & THE CROWN CASTLE USA INC. CONSTRUCTION MANAGER.
2. "LOOK UP" – CROWN CASTLE USA INC. SAFETY CLIMB REQUIREMENT:
   THE INTEGRITY OF THE SAFETY CLIMB AND ALL COMPONENTS OF THE CLIMBING FACILITY SHALL BE CONSIDERED DURING ALL STAGES OF DESIGN, INSTALLATION, AND INSPECTION. TOWER MODIFICATION, MOUNT REINFORCEMENTS, AND/OR EQUIPMENT INSTALLATIONS SHALL NOT COMPROMISE THE INTEGRITY OR FUNCTIONAL USE OF THE SAFETY CLIMB OR ANY COMPONENTS OF THE CLIMBING FACILITY ON THE STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: PINCHING OF THE WIRE ROPE, BENDING OF THE WIRE ROPE FROM ITS SUPPORTS, DIRECT CONTACT OR CLOSE PROXIMITY TO THE WIRE ROPE WHICH MAY CAUSE FRICTIONAL WEAR, IMPACT TO THE ANCHORAGE POINTS IN ANY WAY, OR TO IMPEDE/BLOCK ITS INTENDED USE. ANY COMPROMISED SAFETY CLIMB, INCLUDING EXISTING CONDITIONS MUST BE TAGGED OUT AND REPORTED TO YOUR CROWN CASTLE USA INC. POC OR CALL THE NOC TO GENERATE A SAFETY CLIMB MAINTENANCE AND CONTRACTOR NOTICE TICKET.
3. PRIOR TO THE START OF CONSTRUCTION, ALL REQUIRED JURISDICTIONAL PERMITS SHALL BE OBTAINED. THIS INCLUDES, BUT IS NOT LIMITED TO, BUILDING, ELECTRICAL, MECHANICAL, FIRE, FLOOD ZONE, ENVIRONMENTAL, AND ZONING. AFTER ONSITE ACTIVITIES AND CONSTRUCTION ARE COMPLETED, ALL REQUIRED PERMITS SHALL BE SATISFIED AND CLOSED OUT ACCORDING TO LOCAL JURISDICTIONAL REQUIREMENTS.
4. ALL CONSTRUCTION MEANS AND METHODS; INCLUDING BUT NOT LIMITED TO, ERECTION PLANS, RIGGING PLANS, CLIMBING PLANS, AND RESCUE PLANS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THE WORK CONTAINED HEREIN, AND SHALL MEET ANSI/ASSE A10.48 (LATEST EDITION); FEDERAL, STATE, AND LOCAL REGULATIONS; AND ANY APPLICABLE INDUSTRY CONSENSUS STANDARDS RELATED TO THE CONSTRUCTION ACTIVITIES BEING PERFORMED. ALL RIGGING PLANS SHALL ADHERE TO ANSI/ASSE A10.48 (LATEST EDITION) AND CROWN CASTLE USA INC. STANDARD CED–STD–10253, INCLUDING THE REQUIRED INVOLVEMENT OF A QUALIFIED ENGINEER FOR CLASS IV CONSTRUCTION, TO CERTIFY THE SUPPORTING STRUCTURE(S) IN ACCORDANCE WITH ANSI/TIA–322 (LATEST EDITION).
5. ALL SITE WORK TO COMPLY WITH QAS–STD–10068 "INSTALLATION STANDARDS FOR CONSTRUCTION ACTIVITIES ON CROWN CASTLE USA INC. TOWER SITE," CED–STD–10294 "STANDARD FOR INSTALLATION OF MOUNTS AND APPURTENANCES," AND LATEST VERSION OF ANSI/TIA–1019–A–2012 "STANDARD FOR INSTALLATION, ALTERATION, AND MAINTENANCE OF ANTENNA SUPPORTING STRUCTURES AND ANTENNAS."
6. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY CROWN CASTLE USA INC. PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
10. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY CONTRACTOR. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING AND EXCAVATION E) CONSTRUCTION SAFETY PROCEDURES.
11. ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
12. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH AT THE COMPLETION OF THE WORK. IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
13. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF CONTRACTOR, TOWER OWNER, CROWN CASTLE USA INC., AND/OR LOCAL UTILITIES.
14. THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION FOR SITE SIGNAGE REQUIRED BY LOCAL JURISDICTION AND SIGNAGE REQUIRED ON INDIVIDUAL PIECES OF EQUIPMENT, ROOMS, AND SHELTERS.
15. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
16. THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
17. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION AS SPECIFIED ON THE CONSTRUCTION DRAWINGS AND/OR PROJECT SPECIFICATIONS.
18. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
19. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
20. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
21. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
22. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.

GENERAL NOTES:

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
   CONTRACTOR: GENERAL CONTRACTOR RESPONSIBLE FOR CONSTRUCTION
   CARRIER: VERIZON
   TOWER OWNER: CROWN CASTLE USA INC.
2. THESE DRAWINGS HAVE BEEN PREPARED USING STANDARDS OF PROFESSIONAL CARE AND COMPLETENESS NORMALLY EXERCISED UNDER SIMILAR CIRCUMSTANCES BY REPUTABLE ENGINEERS IN THIS OR SIMILAR LOCALITIES. IT IS ASSUMED THAT THE WORK DEPICTED WILL BE PERFORMED BY AN EXPERIENCED CONTRACTOR AND/OR WORKPEOPLE WHO HAVE A WORKING KNOWLEDGE OF THE APPLICABLE CODE STANDARDS AND REQUIREMENTS AND OF INDUSTRY ACCEPTED STANDARD GOOD PRACTICE. AS NOT EVERY CONDITION OR ELEMENT IS (OR CAN BE) EXPLICITLY SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL USE INDUSTRY ACCEPTED STANDARD GOOD PRACTICE FOR MISCELLANEOUS WORK NOT EXPLICITLY SHOWN.
3. THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY FOR PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, FORMWORK, SHORING, ETC. SITE VISITS BY THE ENGINEER OR HIS REPRESENTATIVE WILL NOT INCLUDE INSPECTION OF THESE ITEMS AND IS FOR STRUCTURAL OBSERVATION OF THE FINISHED STRUCTURE ONLY.
4. NOTES AND DETAILS IN THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT, AND/OR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, GENERAL NOTES, AND SPECIFICATIONS, THE GREATER, MORE STRICT REQUIREMENTS, SHALL GOVERN. IF FURTHER CLARIFICATION IS REQUIRED CONTACT THE ENGINEER OF RECORD.
5. SUBSTANTIAL EFFORT HAS BEEN MADE TO PROVIDE ACCURATE DIMENSIONS AND MEASUREMENTS ON THE DRAWINGS TO ASSIST IN THE FABRICATION AND/OR PLACEMENT OF CONSTRUCTION ELEMENTS BUT IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY THE DIMENSIONS, MEASUREMENTS, AND/OR CLEARANCES SHOWN IN THE CONSTRUCTION DRAWINGS PRIOR TO FABRICATION OR CUTTING OF ANY NEW OR EXISTING CONSTRUCTION ELEMENTS. IF IT IS DETERMINED THAT THERE ARE DISCREPANCIES AND/OR CONFLICTS WITH THE CONSTRUCTION DRAWINGS THE ENGINEER OF RECORD IS TO BE NOTIFIED AS SOON AS POSSIBLE.
6. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING CONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CROWN CASTLE.
7. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
8. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
9. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
10. IF THE SPECIFIED EQUIPMENT CAN NOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE CARRIER AND CROWN CASTLE PRIOR TO PROCEEDING WITH ANY SUCH CHANGE OF INSTALLATION.
11. CONTRACTOR IS TO PERFORM A SITE INVESTIGATION AND IS TO DETERMINE THE BEST ROUTING OF ALL CONDUITS FOR POWER, AND TELCO AND FOR GROUNDING CABLES AS SHOWN IN THE POWER, TELCO, AND GROUNDING PLAN DRAWINGS.
12. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF CROWN CASTLE USA INC.
13. CONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
14. CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 336, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST–IN–PLACE CONCRETE.
2. UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
3. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (f'c) OF 3000 psi AT 28 DAYS, UNLESS NOTED OTHERWISE. NO MORE THAN 90 MINUTES SHALL ELAPSE FROM BATCH TIME TO TIME OF PLACEMENT UNLESS APPROVED BY THE ENGINEER OF RECORD. TEMPERATURE OF CONCRETE SHALL NOT EXCEED 90°F AT TIME OF PLACEMENT.
4. CONCRETE EXPOSED TO FREEZE–THAW CYCLES SHALL CONTAIN AIR ENTRAINING ADMIXTURES. AMOUNT OF AIR ENTRAINMENT TO BE BASED ON SIZE OF AGGREGATE AND F3 CLASS EXPOSURE (VERY SEVERE). CEMENT USED TO BE TYPE II PORTLAND CEMENT WITH A MAXIMUM WATER–TO–CEMENT RATIO (W/C) OF 0.45.
5. ALL STEEL REINFORCING SHALL CONFORM TO ASTM A615. ALL WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. ALL SPLICES SHALL BE CLASS "B" TENSION SPLICES, UNLESS NOTED OTHERWISE. ALL HOOKS SHALL BE STANDARD 90 DEGREE HOOKS, UNLESS NOTED OTHERWISE. YIELD STRENGTH (Fy) OF STANDARD DEFORMED BARS ARE AS FOLLOWS:
   #4 BARS AND SMALLER..... 40 ksi
   #5 BARS AND LARGER..... 60 ksi
6. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:
   CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH..... 3"
   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 BARS AND LARGER..... 2"
   #5 BARS AND SMALLER..... 1–1/2"
   CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
   SLAB AND WALLS..... 3/4"
   BEAMS AND COLUMNS..... 1–1/2"
7. A TOOLED EDGE OR A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNLESS NOTED OTHERWISE, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.

GREENFIELD GROUNDING NOTES:

1. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION AND AC POWER GES'S) SHALL BE BONDED TOGETHER AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
2. THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR GROUND ELECTRODE SYSTEMS, THE CONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY SEQUENCING GROUNDING AND UNDERGROUND CONDUIT INSTALLATION AS TO PREVENT ANY LOSS OF CONTINUITY IN THE GROUNDING SYSTEM OR DAMAGE TO THE CONDUIT AND PROVIDE TESTING RESULTS.
4. METAL CONDUIT AND TRAY SHALL BE GROUNDED AND MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH #6 COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
5. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
6. EACH CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, #6 STRANDED COPPER OR LARGER FOR INDOOR BTS; #2 BARE SOLID TINNED COPPER FOR OUTDOOR BTS.
7. CONNECTIONS TO THE GROUND BUS SHALL NOT BE DOUBLED UP OR STACKED BACK TO BACK CONNECTIONS ON OPPOSITE SIDE OF THE GROUND BUS ARE PERMITTED.
8. ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. USE OF 90° BENDS IN THE PROTECTION GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
11. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
12. ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
13. COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
14. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
15. APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
16. ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
17. MISCELLANEOUS ELECTRICAL AND NON–ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
18. BOND ALL METALLIC OBJECTS WITHIN 6 ft OF MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
19. GROUND CONDUCTORS USED FOR THE FACILITY GROUNDING AND LIGHTNING PROTECTION SYSTEMS SHALL NOT BE ROUTED THROUGH METALLIC OBJECTS THAT FORM A RING AROUND THE CONDUCTOR, SUCH AS METALLIC CONDUITS, METAL SUPPORT CLIPS OR SLEEVES THROUGH WALLS OR FLOORS. WHEN IT IS REQUIRED TO BE HOUSED IN CONDUIT TO MEET CODE REQUIREMENTS OR LOCAL CONDITIONS, NON–METALLIC MATERIAL SUCH AS PVC CONDUIT SHALL BE USED. WHERE USE OF METAL CONDUIT IS UNAVOIDABLE (i.e., NONMETALLIC CONDUIT PROHIBITED BY LOCAL CODE) THE GROUND CONDUCTOR SHALL BE BONDED TO EACH END OF THE METAL CONDUIT.
20. ALL GROUNDS THAT TRANSITION FROM BELOW GRADE TO ABOVE GRADE MUST BE #2 BARE SOLID TINNED COPPER IN 3/4" NON–METALLIC, FLEXIBLE CONDUIT FROM 24" BELOW GRADE TO WITHIN 3" TO 6" OF CAD–WELD TERMINATION POINT. THE EXPOSED END OF THE CONDUIT MUST BE SEALED WITH SILICONE CAULK. (ADD TRANSITIONING GROUND STANDARD DETAIL AS WELL).
21. BUILDINGS WHERE THE MAIN GROUNDING CONDUCTORS ARE REQUIRED TO BE ROUTED TO GRADE, THE CONTRACTOR SHALL ROUTE TWO GROUNDING CONDUCTORS FROM THE ROOFTOP, TOWERS, AND WATER TOWERS GROUNDING RING, TO THE EXISTING GROUNDING SYSTEM, THE GROUNDING CONDUCTORS SHALL NOT BE SMALLER THAN 2/0 COPPER. ROOFTOP GROUNDING RING SHALL BE BONDED TO THE EXISTING GROUNDING SYSTEM, THE BUILDING STEEL COLUMNS, LIGHTNING PROTECTION SYSTEM, AND BUILDING MAIN WATER LINE (FERROUS OR NONFERROUS METAL PIPING ONLY).

ELECTRICAL INSTALLATION NOTES:

1. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
2. CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
3. WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
4. ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
   4.1. ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
   4.2. ALL OVERCURRENT DEVICES SHALL HAVE AN INTERRUPTING CURRENT RATING THAT SHALL BE GREATER THAN THE SHORT CIRCUIT CURRENT TO WHICH THEY ARE SUBJECTED, 22,000 AIC MINIMUM. VERYIFY AVAILABLE SHORT CIRCUIT CURRENT DOES NOT EXCEED THE RATING OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ARTICLE 110.24 NEC OR THE MOST CURRENT ADOPTED CODE PRE THE GOVERNING JURISDICTION.
5. EACH END OF EVERY POWER PHASE CONDUCTOR, GROUNDING CONDUCTOR, AND TELCO CONDUCTOR OR CABLE SHALL BE LABELED WITH COLOR–CODED INSULATION OR ELECTRICAL TAPE (3M BRAND, 1/2" PLASTIC ELECTRICAL TAPE WITH UV PROTECTION, OR EQUAL). THE IDENTIFICATION METHOD SHALL CONFORM WITH NEC AND OSHA.
6. ALL ELECTRICAL COMPONENTS SHALL BE CLEARLY LABELED WITH LAMICOID TAGS SHOWING THEIR RATED VOLTAGE, PHASE CONFIGURATION, WIRE CONFIGURATION, POWER OR AMPACITY RATING AND BRANCH CIRCUIT ID NUMBERS (i.e. PANEL BOARD AND CIRCUIT ID'S).
7. PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
8. ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
9. ALL POWER AND EQUIPMENT GROUND WIRING IN TUBING OR CONDUIT SHALL BE SINGLE COPPER CONDUCTOR (#14 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
10. SUPPLEMENTAL EQUIPMENT GROUND WIRING LOCATED INDOORS SHALL BE SINGLE COPPER CONDUCTOR (#6 OR LARGER) WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
11. POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
12. POWER AND CONTROL WIRING FOR USE IN CABLE TRAY SHALL BE MULTI–CONDUCTOR, TYPE TC CABLE (#14 OR LARGER), WITH TYPE THHW, THWN, THWN–2, XHHW, XHHW–2, THW, THW–2, RHW, OR RHW–2 INSULATION UNLESS OTHERWISE SPECIFIED.
13. ALL POWER AND GROUNDING CONNECTIONS SHALL BE CRIMP–STYLE, COMPRESSION WIRE LUGS AND WIRE NUTS BY THOMAS AND BETTS (OR EQUAL). LUGS AND WIRE NUTS SHALL BE RATED FOR OPERATION NOT LESS THAN 75° C (90° C IF AVAILABLE).
14. RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
15. ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
16. ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
17. SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
18. LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
19. CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
20. CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
21. WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREMOLD SPECMATE WIREWAY).
22. SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
23. CONDUITS SHALL BE FASTENED SECURELY IN PLACE WITH APPROVED NON–PERFORATED STRAPS AND HANGERS. EXPLOSIVE DEVICES (i.e. POWDER–ACTUATED) FOR ATTACHING HANGERS TO STRUCTURE WILL NOT BE PERMITTED. CLOSELY FOLLOW THE LINES OF THE STRUCTURE, MAINTAIN CLOSE PROXIMITY TO THE STRUCTURE AND KEEP CONDUITS IN TIGHT ENVELOPES. CHANGES IN DIRECTION TO ROUTE AROUND OBSTACLES SHALL BE MADE WITH CONDUIT OUTLET BODIES. CONDUIT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. PARALLEL AND PERPENDICULAR TO STRUCTURE WALL AND CEILING LINES. ALL CONDUIT SHALL BE FISHED TO CLEAR OBSTRUCTIONS. ENDS OF CONDUITS SHALL BE TEMPORARILY CAPPED FLUSH TO FINISH GRADE TO PREVENT CONCRETE, PLASTER OR DIRT FROM ENTERING. CONDUITS SHALL BE RIGIDLY CLAMPED TO BOXES BY GALVANIZED MALLEABLE IRON BUSHING ON INSIDE AND GALVANIZED MALLEABLE IRON LOCKNUT ON OUTSIDE AND INSIDE.
24. EQUIPMENT CABINETS, TERMINAL BOXES, JUNCTION BOXES AND PULL BOXES SHALL BE GALVANIZED OR EPOXY–COATED SHEET STEEL. SHALL MEET OR EXCEED UL 50 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND NEMA 3R (OR BETTER) FOR EXTERIOR LOCATIONS.
25. METAL RECEPTACLE, SWITCH AND DEVICE BOXES SHALL BE GALVANIZED, EPOXY–COATED OR NON–CORRODING; SHALL MEET OR EXCEED UL 514A AND NEMA OS 1 AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
26. NONMETALLIC RECEPTACLE, SWITCH AND DEVICE BOXES SHALL MEET OR EXCEED NEMA OS 2 (NEWEST REVISION) AND BE RATED NEMA 1 (OR BETTER) FOR INTERIOR LOCATIONS AND WEATHER PROTECTED (WP OR BETTER) FOR EXTERIOR LOCATIONS.
27. THE CONTRACTOR SHALL NOTIFY AND OBTAIN NECESSARY AUTHORIZATION FROM THE CARRIER AND/OR CROWN CASTLE USA INC. BEFORE COMMENCING WORK ON THE AC POWER DISTRIBUTION PANELS.
28. THE CONTRACTOR SHALL PROVIDE NECESSARY TAGGING ON THE BREAKERS, CABLES AND DISTRIBUTION PANELS IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS TO SAFEGUARD LIFE AND PROPERTY.
29. INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
30. ALL EMPTY/SPARE CONDUITS THAT ARE INSTALLED ARE TO HAVE A METERED MULE TAPE PULL CORD INSTALLED.

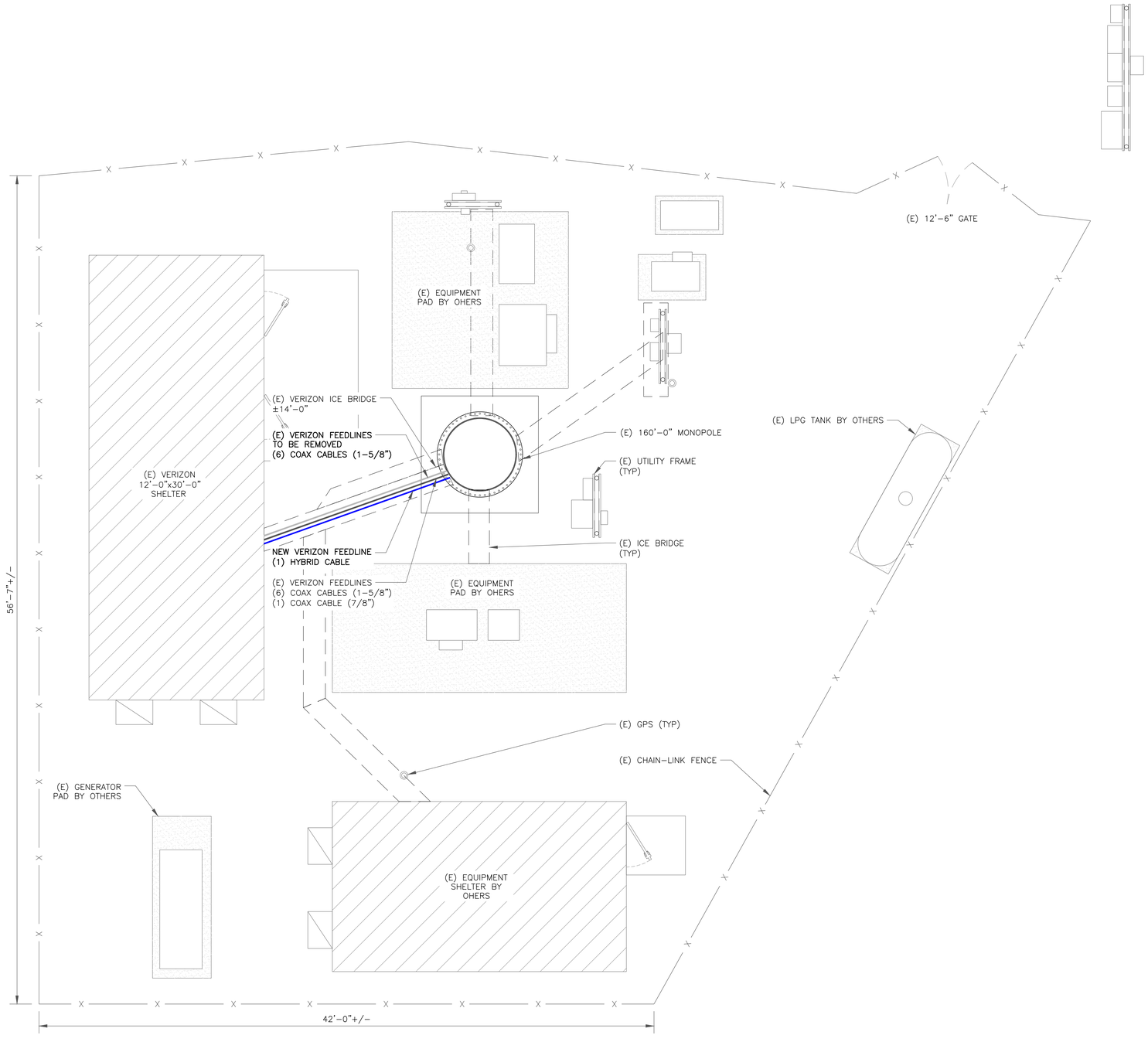
CONDUCTOR COLOR CODE

SYSTEM	CONDUCTOR	COLOR
120/240V, 1Ø	A PHASE	BLACK
	B PHASE	RED
	NEUTRAL	WHITE
	GROUND	GREEN
120/208V, 3Ø	A PHASE	BLACK
	B PHASE	RED
	C PHASE	BLUE
	NEUTRAL	WHITE
	GROUND	GREEN
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
	GROUND	GREEN
DC VOLTAGE	POS (+)	RED**
	NEG (–)	BLACK**

* SEE NEC 210.5(C)(1) AND (2)
** POLARITY MARKED AT TERMINATION

APWA UNIFORM COLOR CODE:

WHITE	PROPOSED EXCAVATION
PINK	TEMPORARY SURVEY MARKINGS
RED	ELECTRIC POWER LINES, CABLES, CONDUIT, AND LIGHTING CABLES
YELLOW	GAS, OIL, STEAM,



1 SITE PLAN
SCALE: 4' 3' 2' 1' 0 4' 1/4"=1'-0" (FULL SIZE) 1/8"=1'-0" (11x17)

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180 WASHINGTON VALLEY ROAD
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CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

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SUITE 300
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VERIZON SITE NUMBER:
467790

BU #: **828540**
TORRINGTON/RT 8

218 WHEELER ROAD
TORRINGTON, CT 06790

EXISTING 160'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/25/21	STH	FOR CONSTRUCTION	STH
1	9/2/21	STH	FOR CONSTRUCTION	STH

STATE OF CONNECTICUT
No. 23824
LICENSED PROFESSIONAL ENGINEER
9/2/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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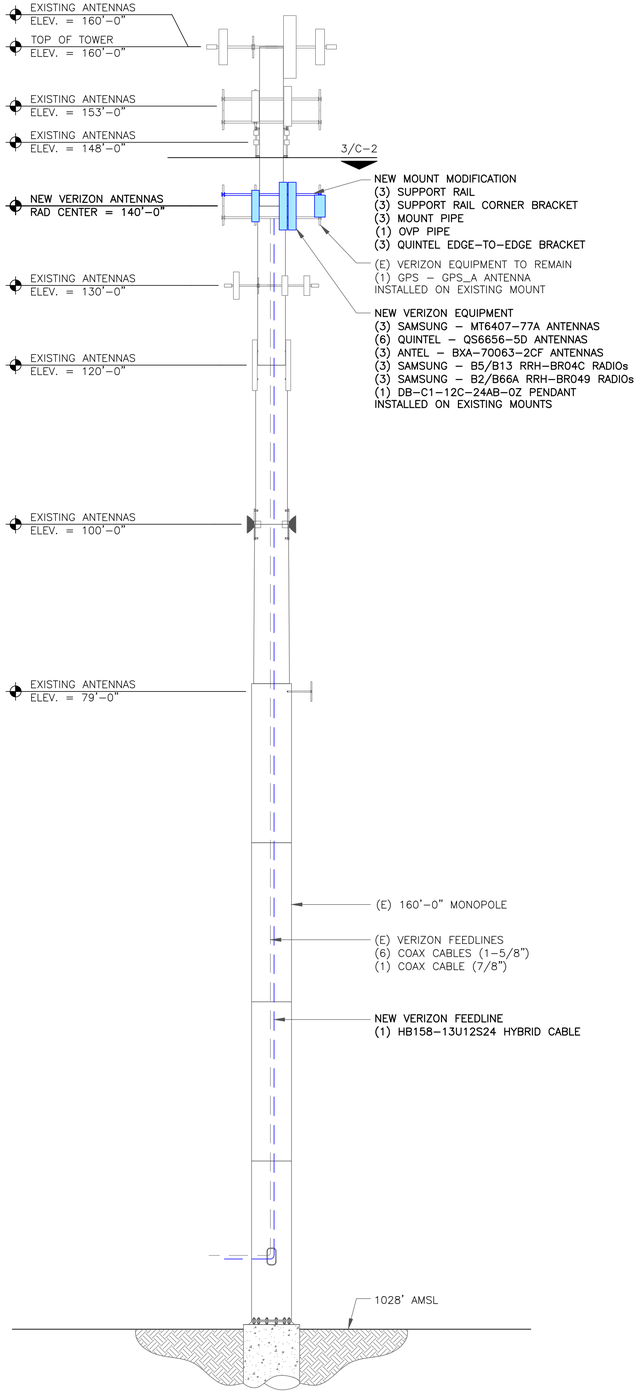
SHEET NUMBER: C-1
REVISION: 1

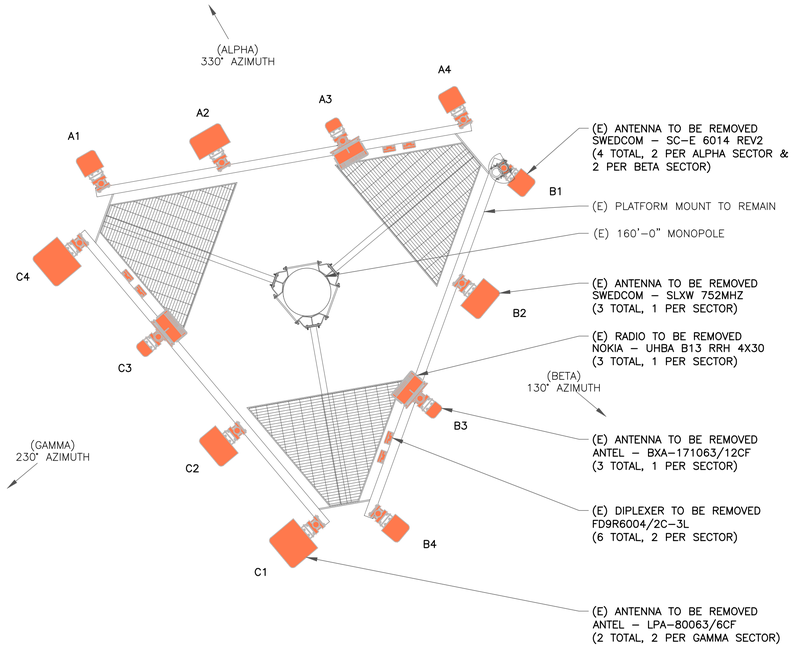
154617.001.01_TORRINGTONRT 8.25.21.dwg - Sheet:C-1 - User: shudson - Sep 02, 2021 - 2:49pm



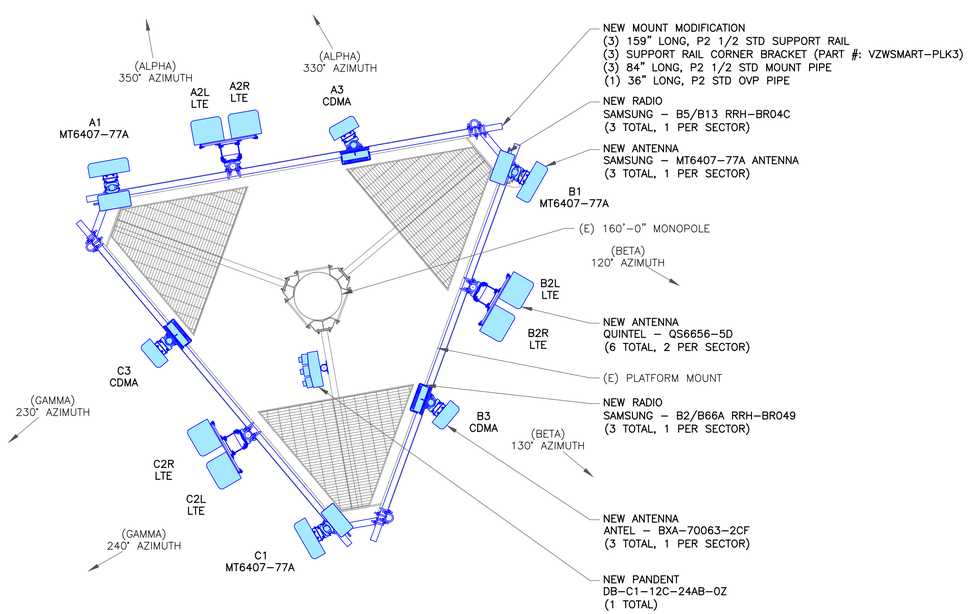
VERIZON EQUIPMENT

ANTENNA CL: 140'-0"
MOUNT CL: 140'-0"

1 TOWER ELEVATION
SCALE: NOT TO SCALE



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

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SUITE 300
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www.btgrp.com

VERIZON SITE NUMBER:
467790

BU #: **828540**
TORRINGTON/RT 8

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SHEET NUMBER: C-2

REVISION: 1

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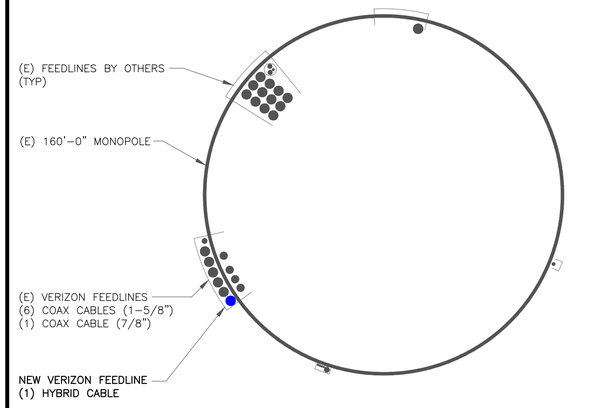
ANTENNA/RRH SCHEDULE

SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407-77A	140'-0"	350°	0°	3°	–	–
A2L	NEW	QUINTEL	QS6656-5D	140'-0"	350°	0°	10°/8°/8°/10°	SAMSUNG	(1) B5/B13 RRH-BR04C
A2R	NEW	QUINTEL	QS6656-5D	140'-0"	350°	0°	10°/8°/8°/10°	SAMSUNG	(1) B2/B66A RRH-BR049
A3	NEW	ANTEL	BXA-70063-2CF	140'-0"	330°	6°	0°	RFS	(1) DB-C1-12C-24AB-0Z
–	EXISTING	GPS	GPS_A	140'-0"	240°	–	–	–	–
B1	NEW	SAMSUNG	MT6407-77A	140'-0"	120°	0°	3°	–	–
B2L	NEW	QUINTEL	QS6656-5D	140'-0"	120°	0°	7°/5°/5°/7°	SAMSUNG	(1) B5/B13 RRH-BR04C
B2R	NEW	QUINTEL	QS6656-5D	140'-0"	120°	0°	7°/5°/5°/7°	SAMSUNG	(1) B2/B66A RRH-BR049
B3	NEW	ANTEL	BXA-70063-2CF	140'-0"	130°	6°	0°	–	–
C1	NEW	SAMSUNG	MT6407-77A	140'-0"	240°	0°	3°	–	–
C2L	NEW	QUINTEL	QS6656-5D	140'-0"	240°	0°	7°/5°/5°/7°	SAMSUNG	(1) B5/B13 RRH-BR04C
C2R	NEW	QUINTEL	QS6656-5D	140'-0"	240°	0°	7°/5°/5°/7°	SAMSUNG	(1) B2/B66A RRH-BR049
C3	NEW	ANTEL	BXA-70063-2CF	140'-0"	230°	3°	0°	–	–

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE

STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	190'-0"±	6
EXISTING	COAX	7/8"	190'-0"±	1
NEW	HYBRID	–	190'-0"±	1
TOTAL CABLE QTY:				8



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE

N

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STEVEN T. HUDSON
CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
9/2/21

B&T ENGINEERING, INC.
PEC.0001564
Expires 2/10/22

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SHEET NUMBER: C-3
REVISION: 1

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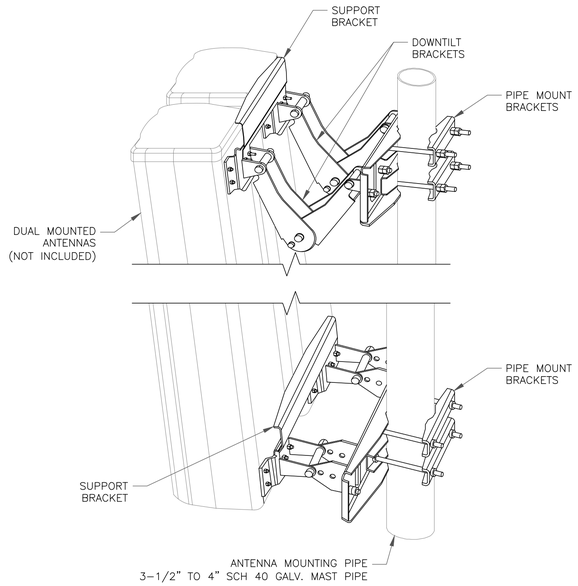

1 QUINTEL – AS-005245
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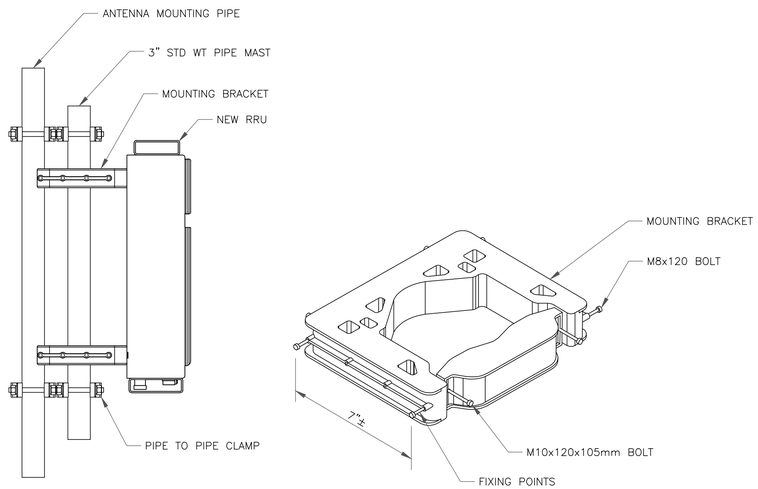
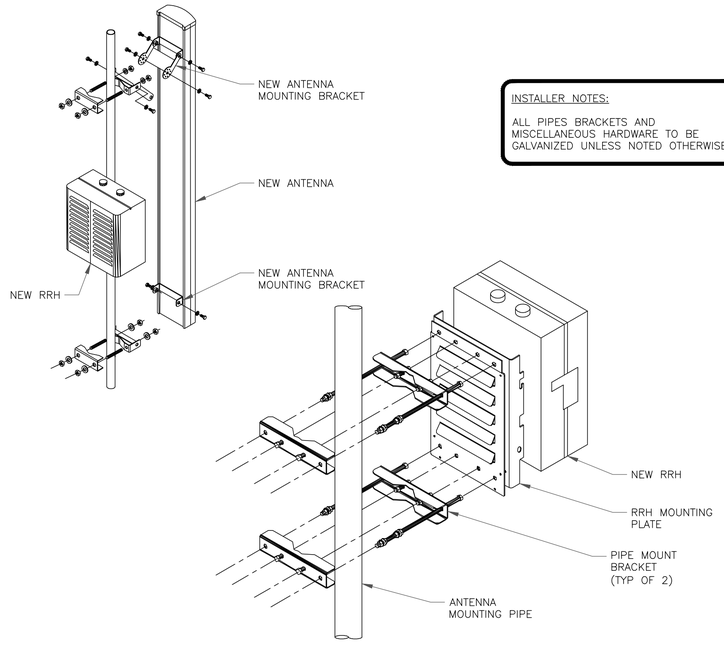
2 NOT USED
SCALE: NOT TO SCALE



3 NOKIA – FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



INSTALLER NOTES:

ALL PIPES BRACKETS AND MISCELLANEOUS HARDWARE TO BE GALVANIZED UNLESS NOTED OTHERWISE.

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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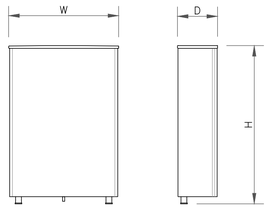
SHEET NUMBER: C-4

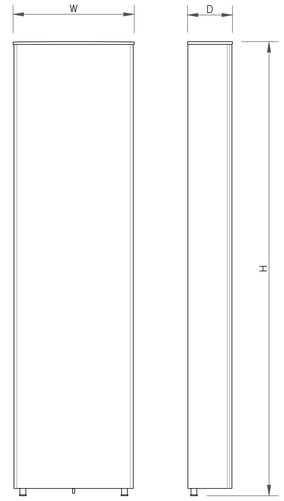
REVISION: 1

154617.001.01_TORRINGTONRT 8.25.21.dwg – Sheet:C-4 – User: shudson – Sep 02, 2021 – 2:49pm



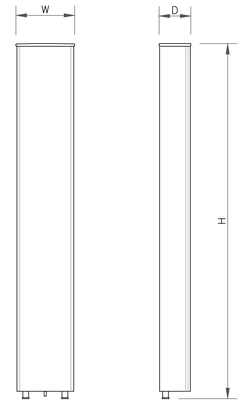
ANTENNA SPECS	
MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.12"
WEIGHT	87.10 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE



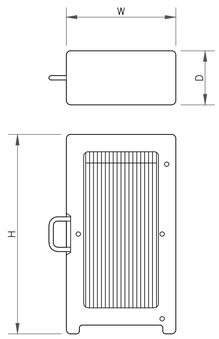
ANTENNA SPECS	
MANUFACTURER	QUINTEL
MODEL #	QS6656-5D
WIDTH	12.0"
DEPTH	9.60"
HEIGHT	72.0"
WEIGHT	88 LBS

2 ANTENNA SPECS
SCALE: NOT TO SCALE



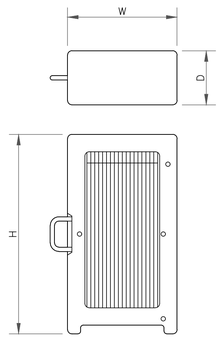
ANTENNA SPECS	
MANUFACTURER	ANTEL
MODEL #	BXA-70063-2CF
WIDTH	11.20"
DEPTH	5.20"
HEIGHT	47.40"
WEIGHT	18.90 LBS

3 ANTENNA SPECS
SCALE: NOT TO SCALE



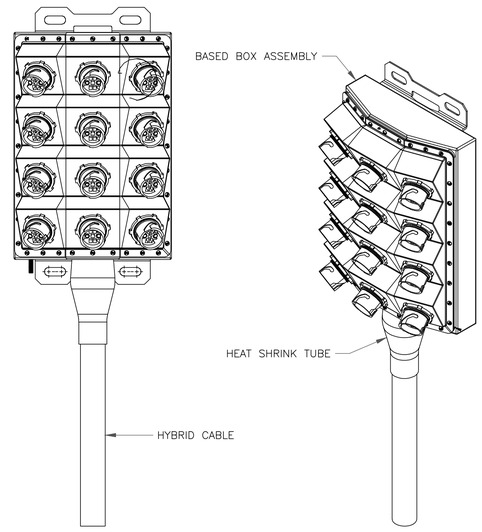
RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B5/B13 RRH-BR04C
WIDTH	15.0"
DEPTH	8.10"
HEIGHT	15.0"
WEIGHT	70.30 LBS

4 RRU SPECS
SCALE: NOT TO SCALE



RRU SPECIFICATIONS	
MANUFACTURER	SAMSUNG
MODEL #	B2/B66A RRH-BR049
WIDTH	15.0"
DEPTH	10.0"
HEIGHT	15.0"
WEIGHT	84.40 LBS

5 RRU SPECS
SCALE: NOT TO SCALE



RFS – DB-C1-12C-24AB-0Z
WEIGHT (WITHOUT MOUNTING HARDWARE): 32.0 LBS.
SIZE (HxWxD): 29.50x16.50x12.608.0 IN.

6 COMMSCOPE HCS 2.0 JUNCTION BOX
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065

B+T GRP
1717 S. BOULDER
SUITE 300
TULSA, OK 74119
PH: (918) 587-4630
www.btgrp.com

VERIZON SITE NUMBER:
467790

BU #: **828540**
TORRINGTON/RT 8

218 WHEELER ROAD
TORRINGTON, CT 06790

EXISTING 160'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
0	8/25/21	STH	FOR CONSTRUCTION	STH
1	9/2/21	STH	FOR CONSTRUCTION	STH

STATE OF CONNECTICUT
No. 23924
LICENSED
PROFESSIONAL ENGINEER
9/2/21

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SHEET NUMBER: C-5

REVISION: 1

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- Port 1 & 2 are for low band (698-896 MHz).
- Port 3,4,5, & 6 are for high band (1695-2360 MHz).
- Antenna Smart Bias Tee (SBT) is through port 1 for low band and port 3 for high band.
- AISG cable is only needed when drawn in the diagrams below, if it is not drawn then SBT is enough to control all RET motors.
- Not all SBT ports are needed to control RET, only green port connection to green port will control RET.

RET DC signal pass for RET (Port that will control RET)

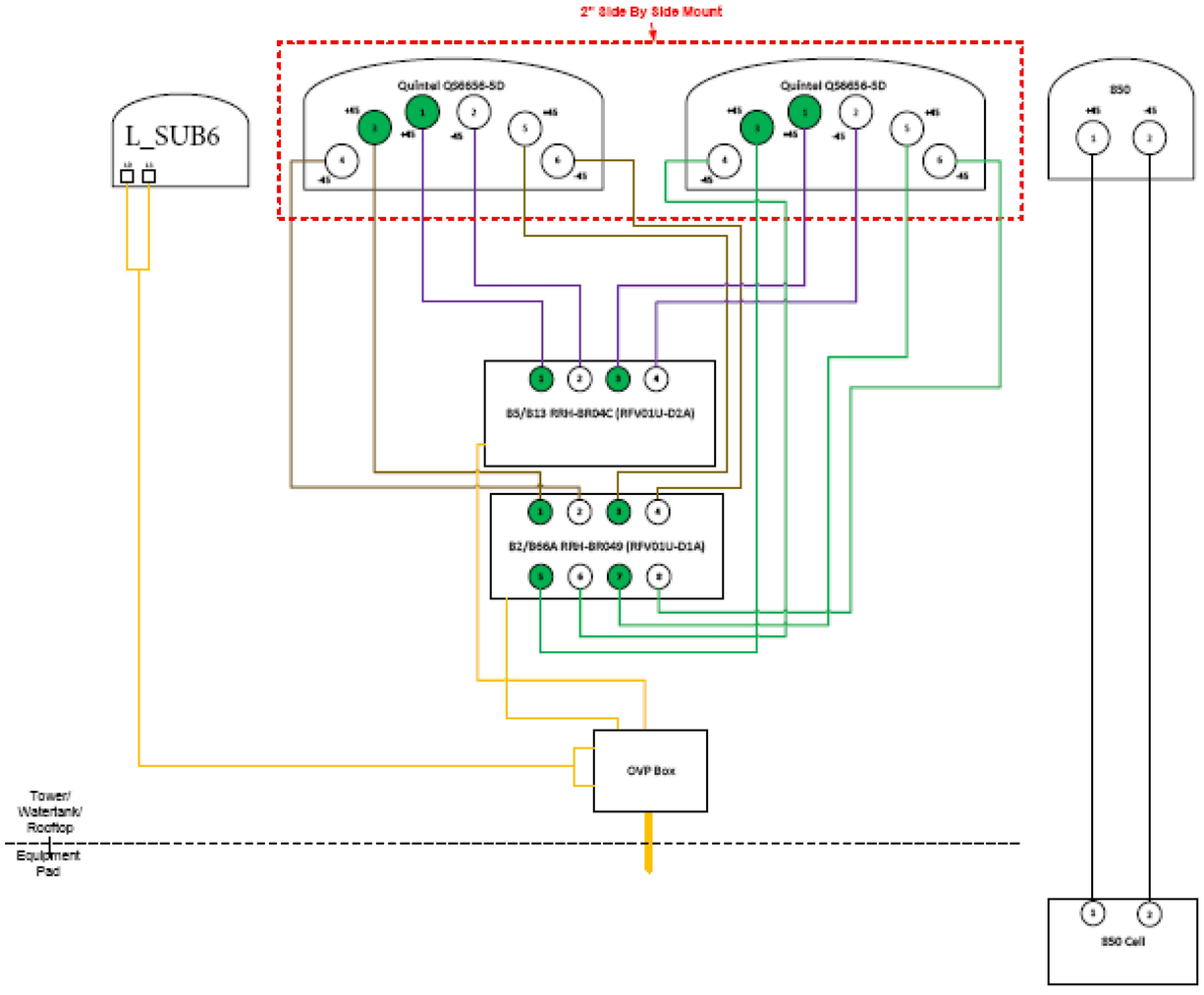
DC signal capable Port

AISG Cable

RET DC signal pass for RET (Port that will control RET)

Hybriflex cables

2" Side By Side Mount



Comments:

Diagram shows configuration as viewed from standing behind the antennas.

Antennas will be installed in that order from left to right.

Cap and weatherproof unused antenna ports.

All plumbing diagram colors are irrelevant except for AISG & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE

verizon

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SHEET NUMBER: C-6

REVISION: 1

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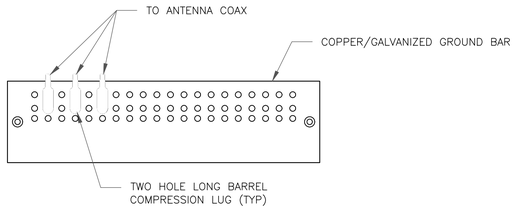
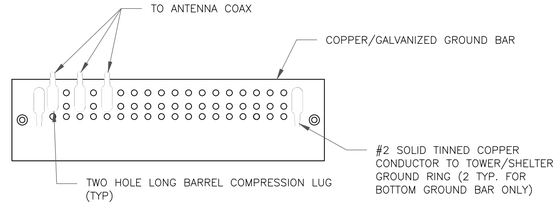


NOTES:

1. DOUBLING UP "OR STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
3. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO ANTENNA MOUNT STEEL.

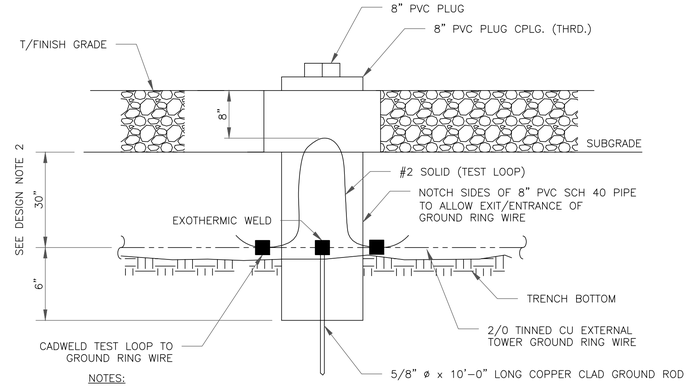
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. EXTERIOR ANTIOXIDANT JOINT COMPOUND TO BE USED ON ALL EXTERIOR CONNECTIONS.
2. GROUND BAR SHALL NOT BE ISOLATED FROM TOWER. MOUNT DIRECTLY TO TOWER STEEL (TOWER ONLY).
3. GROUND BAR SHALL BE ISOLATED FROM BUILDING OR SHELTER.

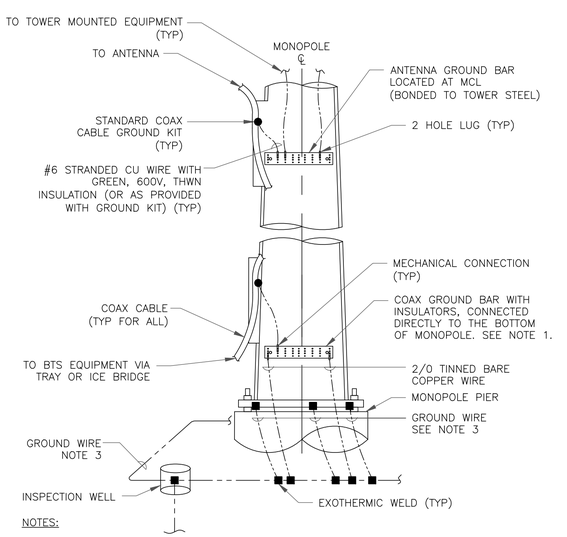
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

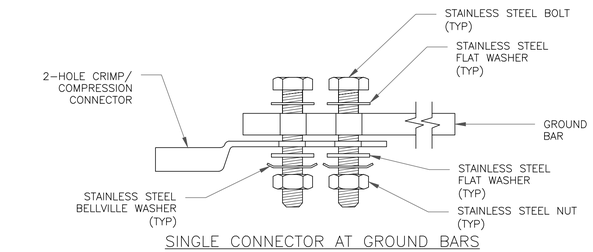
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



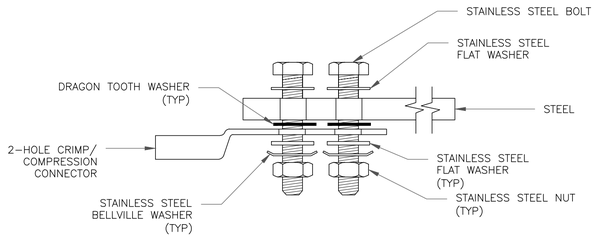
NOTES:

1. NUMBER OF GROUNDING BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATIONS AND CONNECTION ORIENTATION. COAXIAL CABLES EXCEEDING 200 FEET ON THE TOWER SHALL HAVE GROUND KITS AT THE MIDPOINT. PROVIDE AS REQUIRED.
2. ONLY MECHANICAL CONNECTIONS ARE ALLOWED TO BE MADE TO CROWN CASTLE USA INC. TOWERS. ALL MECHANICAL CONNECTIONS SHALL BE TREATED WITH AN ANTI-OXIDANT COATING.
3. ALL TOWER GROUNDING SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF THE RECOGNIZED EDITION OF ANSI/TIA 222 AND NFPA 780.

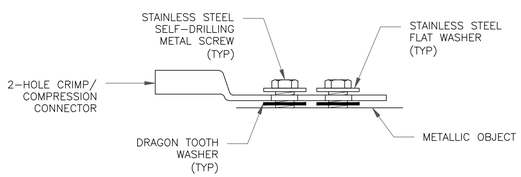
4 TYPICAL ANTENNA CABLE GROUNDING
SCALE: NOT TO SCALE



SINGLE CONNECTOR AT GROUND BARS

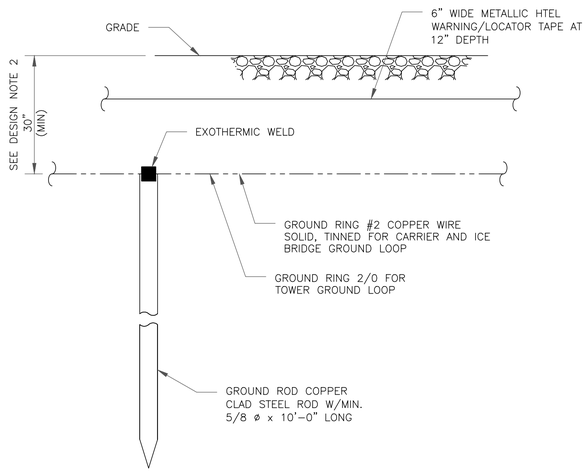


SINGLE CONNECTOR AT STEEL OBJECTS



SINGLE CONNECTOR AT METALLIC/STEEL OBJECTS

5 HARDWARE DETAIL FOR EXTERIOR CONNECTIONS
SCALE: NOT TO SCALE



NOTES:

1. GROUND ROD SHALL BE DRIVEN VERTICALLY, NOT TO EXCEED 45 DEGREES FROM THE VERTICAL
2. GROUND WIRE SHALL BE MIN. 30" BELOW GRADE OR 6" BELOW FROST LINE. (WHICH EVER IS GREATER) AS PER N.E.C. ARTICLE 250-50(D)

6 GROUND ROD DETAIL
SCALE: NOT TO SCALE

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180 WASHINGTON VALLEY ROAD
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CROWN CASTLE
3 CORPORATE PARK DRIVE, SUITE 101
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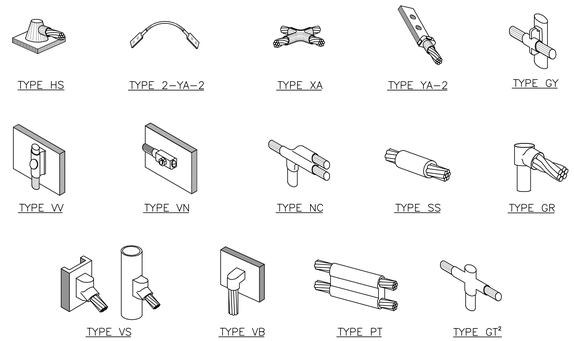
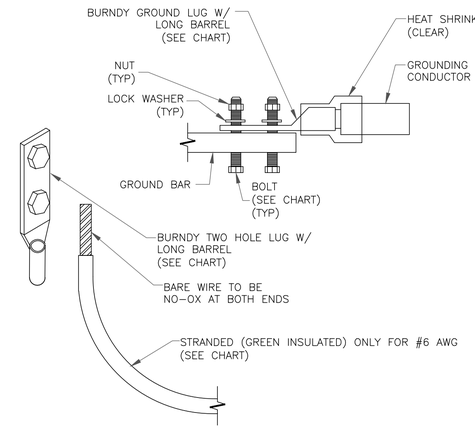


NOTE:

1. ERICO EXOTHERMIC "MOLD TYPES" SHOWN HERE ARE EXAMPLES. CONSULT WITH CONSTRUCTION MANAGER FOR SPECIFIC MOLDS TO BE USED FOR THIS PROJECT.
2. MOLD TYPE ONLY TO BE USED BELOW GRADE WHEN CONNECTING GROUND RING TO GROUND ROD.

1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE

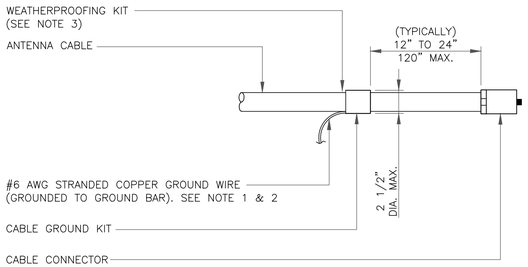
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



NOTES:

1. ALL GROUNDING LUGS ARE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE BOLTS, NUTS, LOCK WASHERS SHALL BE STAINLESS STEEL. ALL HARDWARE ARE TO BE AS FOLLOWS: BOLT, FLAT WASHER,GROUND BAR, GROUND LUG, FLAT WASHER AND NUT.

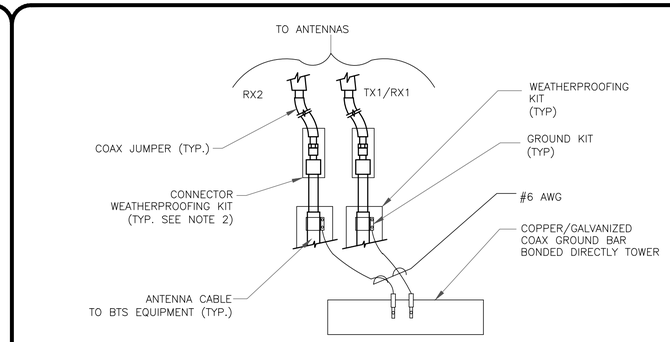
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.

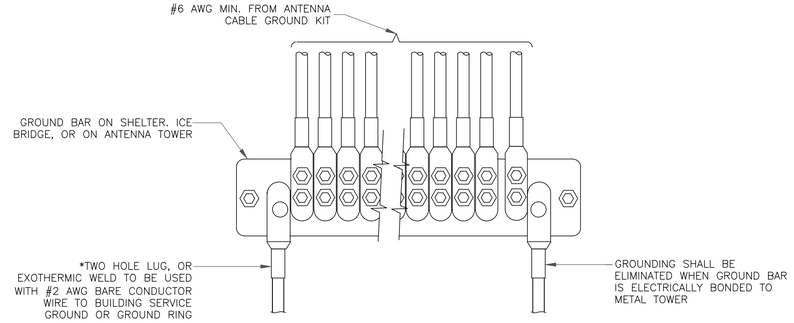
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



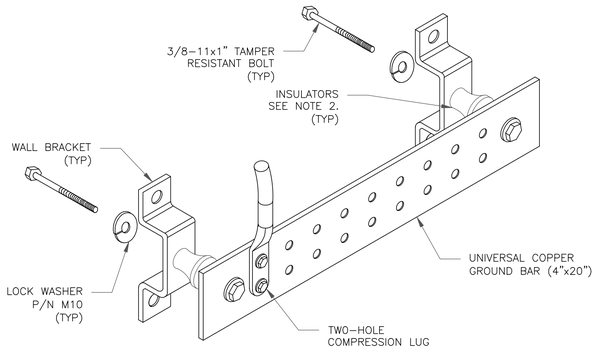
NOTES:

1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



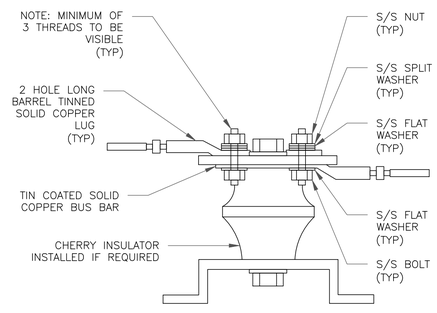
5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



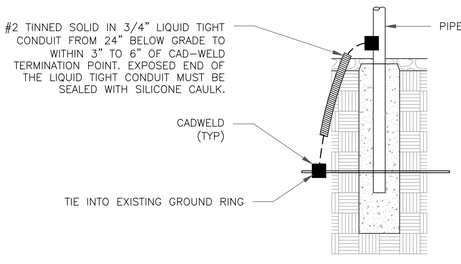
NOTES:

1. DOWN LEAD (HOME RUN) CONDUCTORS ARE NOT TO BE INSTALLED ON CROWN CASTLE USA INC. TOWER, PER THE GROUNDING DOWN CONDUCTOR POLICY QAS-STD-10091. NO MODIFICATION OR DRILLING TO TOWER STEEL IS ALLOWED IN ANY FORM OR FASHION, CAD-WELDING ON THE TOWER AND/OR IN THE AIR ARE NOT PERMITTED.
2. OMIT INSULATOR WHEN MOUNTING TO TOWER STEEL OR PLATFORM STEEL USE INSULATORS WHEN ATTACHING TO BUILDING OR SHELTERS.

6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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180 WASHINGTON VALLEY ROAD
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SHEET NUMBER: G-2
REVISION: 1

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Exhibit C

Structural Analysis Report

Date: **May 21, 2021**

MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	467790
	Site Name:	Torrington S CT
Crown Castle Designation:	**BU Number:**	828540
	Site Name:	Torrington/RT 8
	JDE Job Number:	667188
	Work Order Number:	1962508
	Order Number:	568283 Rev. 1
Engineering Firm Designation:	**Morrison Hershfield Project Number:** CN8-315 / 2101398	
Site Data:	**218 Wheeler Road, Torrington, Litchfield County, CT 06790** **Latitude *41° 46' 50.33"*, Longitude *-73° 8' 10.02"*** **160 Foot – PiRod Monopole Tower**	

Morrison Hershfield is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity – 70.3%**

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer

TABLE OF CONTENTS

1) INTRODUCTION

2) ANALYSIS CRITERIA
Table 1 - Proposed Equipment Configuration
Table 2 - Other Considered Equipment

3) ANALYSIS PROCEDURE
Table 3 - Documents Provided
3.1) Analysis Method
3.2) Assumptions

4) ANALYSIS RESULTS
Table 4 - Section Capacity (Summary)
Table 5 – Tower Component Stresses vs. Capacity – LC7
4.1) Recommendations

5) APPENDIX A
tnxTower Output

6) APPENDIX B
Base Level Drawing

7) APPENDIX C
Additional Calculations

1) INTRODUCTION

This tower is a 160 ft Monopole tower designed by PiRod Manufactures, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
140.0	140.0	1	gps	GPS_A	6 1	1-5/8 7/8
		3	antel	BXA-70063-4CF-EDIN-5 w/ Mount Pipe		
		6	quintel	QS6656-5D		
		3	vzw	Sub6 Antenna - VZS01 w/ Mount Pipe		
		1	rfs celwave	DB-C1-12C-24AB-0Z		
		3	samsung	RFV01U-D1A		
		3	samsung	RFV01U-D2A		
		3	quintel	2" Edge-to-Edge Bracket w/Mount Pipe		
		1	-	Platform Mount [LP 304-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
160.0	170.0	1	rfi antennas	OA40-41	1	7/8
160.0	160.0	3	ericsson	AIR 32 B2A B66AA w/ Mount Pipe	4	1-5/8
		3	ericsson	AIR6449 B41 w/ Mount Pipe		
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RRUS 4415 B25		
		1	-	Platform Mount [LP 405-1_HR-1]		
152.0	153.0	3	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe	4	1-1/4
		3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
	152.0	3	alcatel lucent	TD-RRH8X20-25		
		1	-	Platform Mount [LP 1201-1_HR-3]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
148.0	148.0	3	alcatel lucent	800MHz 2X50W RRH W/FILTER	-	-
		3	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
		1	-	Pipe Mount [PM 601-3]		
130.0	130.0	1	andrew	SBNHH-1D65A w/ Mount Pipe	12 2 1	1-5/8 3/4 3/8
		2	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		1	kathrein	800 10764 w/ Mount Pipe		
		2	kmw	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
		3	powerwave	7770.00 w/ Mount Pipe		
		6	ericsson	RRUS 11		
		3	ericsson	RRUS 32 B2		
		1	raycap	DC6-48-60-18-8F		
		1	-	Platform Mount [LP 304-1]		
120.0	120.0	3	rfs celwave	APXV18-206517-C	6	1-5/8
		1	-	Pipe Mount [PM 601-3]		
100.0	100.0	2	maxrad	MPRC2449	4	1/4
		2	-	Side Arm Mount [SO 203-1]		
79.0	79.0	1	-	Side Arm Mount [SO 702-1]	1	1/2
		1	gps	GPS_A		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3463255	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3464896	CCISITES
4-TOWER MANUFACTURER DRAWINGS	3463264	CCISITES

3.1) Analysis Method

tnxTower (version 8.0.9.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
3) Base and flange plate design methodology of the manufacturer has been reviewed and found to be an acceptable means of design to resist the full capacity of the bolts and shaft.

This analysis may be affected if any assumptions are not valid or have been made in error. Morrison Hershfield should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	160 - 140	Pole	P36x0.375	1	-13.36	1564.60	10.2	Pass
L2	140 - 120	Pole	P42x0.375	2	-24.18	1752.31	22.8	Pass
L3	120 - 100	Pole	P48x0.375	3	-30.02	1939.86	32.0	Pass
L4	100 - 80	Pole	P54x0.375	4	-94.23	2127.30	46.7	Pass
L5	80 - 60	Pole	P60x0.375	5	-100.99	2314.65	50.6	Pass
L6	60 - 40	Pole	P60x0.5	6	-109.63	3281.97	46.4	Pass
L7	40 - 20	Pole	P60x0.5	7	-118.32	3281.97	56.4	Pass
L8	20 - 0	Pole	P60x0.625	8	-128.90	4346.11	52.1	Pass
							Summary	
						Pole (L7)	56.4	Pass
						Rating =	56.4	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1, 2	Flange Connection	140	10.8	Pass
1, 2	Flange Connection	120	22.1	Pass
1, 2	Flange Connection	100	32.2	Pass
1, 2	Flange Connection	80	41.1	Pass
1, 2	Flange Connection	60	28.1	Pass
1, 2	Flange Connection	40	47.8	Pass
1, 2	Flange Connection	20	70.3	Pass
1	Anchor Rods	0	43.6	Pass
1, 2	Base Plate		52.1	Pass
1	Base Foundation (Structure)	0	42.8	Pass
1	Base Foundation (Soil Interaction)		45.9	Pass

Structure Rating (max from all components) =	**70.3%***

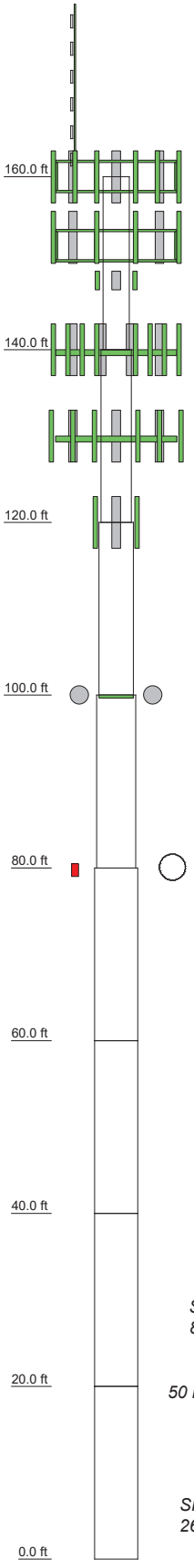
Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.
2) The base and flange plates have been considered to have the same capacity as their respective bolts/shaft.
3) *Rating per TIA-222-H, Section 15.5.

4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT



Section	Size	Length (ft)	Grade	Weight (K)
1	P36x0.375	20.00	A53-B-42	2.9
2	P42x0.375	20.00		3.3
3	P48x0.375	20.00		3.8
4	P54x0.375	20.00		4.3
5	P60x0.375	20.00		4.8
6	P60x0.5	20.00		6.4
7	P60x0.5	20.00		6.4
8	P60x0.625	20.00		7.9
				39.7

ALL REACTIONS ARE FACTORED

AXIAL 284 K

SHEAR 8 K *MOMENT 1482 kip-ft*

TORQUE 3 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 129 K

SHEAR 26 K *MOMENT 3198 kip-ft*

TORQUE 2 kip-ft
REACTIONS - 120 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-42	42 ksi	63 ksi			

TOWER DESIGN NOTES

1. Tower designed for Exposure B to the TIA-222-H Standard.
2. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 56.4%

Morrison Hershfield
Consulting Engineers
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
Phone: (770) 379-8500
FAX: (770) 379-8501

Job:	***CN8-315 / 2101398***		
Project:	***828540 / Torrington/RT 8***		
Client: Crown Castle USA		Drawn by: CKK	App'd:
Code: TIA-222-H		Date: 05/20/21	Scale: NTS
Path: C:\Users\CKatari\Desktop\CN8-315 - 828540 - TORRINGTONRT 8\CN8-315 SA\Analysis\CN8-315 BU_828540 WO_1962508.eri			Dwg No. E-1

Tower Input Data

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

- Tower base elevation above sea level: 1027.00 ft.
- Basic wind speed of 120 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.5000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- 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-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H 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

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	160.00-140.00	20.00	P36x0.375	A53-B-42 (42 ksi)	
L2	140.00-120.00	20.00	P42x0.375	A53-B-42 (42 ksi)	
L3	120.00-100.00	20.00	P48x0.375	A53-B-42 (42 ksi)	
L4	100.00-80.00	20.00	P54x0.375	A53-B-42 (42 ksi)	
L5	80.00-60.00	20.00	P60x0.375	A53-B-42 (42 ksi)	
L6	60.00-40.00	20.00	P60x0.5	A53-B-42 (42 ksi)	
L7	40.00-20.00	20.00	P60x0.5	A53-B-42 (42 ksi)	
L8	20.00-0.00	20.00	P60x0.625	A53-B-42 (42 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 160.00-140.00				1	1	1			
L2 140.00-120.00				1	1	1			
L3 120.00-100.00				1	1	1			
L4 100.00-80.00				1	1	1			
L5 80.00-60.00				1	1	1			
L6 60.00-40.00				1	1	1			
L7 40.00-20.00				1	1	1			
L8 20.00-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
PiRod Ladder	A	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	0.500 0.500	0.5400		2.00
Safety Line 3/8	A	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	0.500 0.500	0.3750		0.22
***										
810921-001(7/8)	C	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	-0.320 -0.300	1.1120		0.40
***										
LDF7-50A(1-5/8)	C	No	Surface Ar (CaAa)	140.00 - 0.00	6	6	0.210 0.480	1.9800		0.82
LDF5-50A(7/8)	C	No	Surface Ar (CaAa)	140.00 - 0.00	1	1	0.480 0.500	1.0900		0.33
***										
LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	120.00 - 0.00	6	6	0.230 0.500	1.9800		0.82

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
CAT5E(1/4)	C	No	Surface Ar (CaAa)	100.00 - 0.00	4	4	-0.300 -0.250	0.2500		0.10
***										
LDF4-50A(1/2)	B	No	Surface Ar (CaAa)	79.00 - 0.00	1	1	-0.250 -0.250	0.6250		0.15
***										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
***									
***									
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	A	No	No	Inside Pole	160.00 - 0.00	1	No Ice	0.00	1.07
							1/2" Ice	0.00	1.07
							1" Ice	0.00	1.07
							2" Ice	0.00	1.07
HCS 6X12 4AWG(1-5/8)	A	No	No	Inside Pole	160.00 - 0.00	3	No Ice	0.00	2.40
							1/2" Ice	0.00	2.40
							1" Ice	0.00	2.40
							2" Ice	0.00	2.40
***									
HB114-1-08U4-M5J(1-1/4)	C	No	No	Inside Pole	152.00 - 0.00	3	No Ice	0.00	1.08
							1/2" Ice	0.00	1.08
							1" Ice	0.00	1.08
							2" Ice	0.00	1.08
HB114-21U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	152.00 - 0.00	1	No Ice	0.00	1.22
							1/2" Ice	0.00	1.22
							1" Ice	0.00	1.22
							2" Ice	0.00	1.22
***									
AVA7-50(1-5/8)	A	No	No	Inside Pole	130.00 - 0.00	12	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70
							2" Ice	0.00	0.70
FB-L98-002-XXX(3/8)	A	No	No	Inside Pole	130.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG86T(3/4)	A	No	No	Inside Pole	130.00 - 0.00	2	No Ice	0.00	0.53
							1/2" Ice	0.00	0.53
							1" Ice	0.00	0.53
							2" Ice	0.00	0.53
CONDUIT(2)	A	No	No	Inside Pole	130.00 - 0.00	1	No Ice	0.00	2.80
							1/2" Ice	0.00	2.80
							1" Ice	0.00	2.80
							2" Ice	0.00	2.80
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.00-140.00	A	0.000	0.000	1.830	0.000	0.21
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	2.224	0.000	0.06
L2	140.00-120.00	A	0.000	0.000	1.830	0.000	0.33
		B	0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	28.164	0.000	0.20
L3	120.00-100.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	28.164	0.000	0.20
L4	100.00-80.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21
L5	80.00-60.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	1.188	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21
L6	60.00-40.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	1.250	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21
L7	40.00-20.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	1.250	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21
L8	20.00-0.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	1.250	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.00-140.00	A	1.483	0.000	0.000	13.697	0.000	0.35
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	8.158	0.000	0.16
L2	140.00-120.00	A	1.462	0.000	0.000	13.529	0.000	0.47
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	53.115	0.000	0.77
L3	120.00-100.00	A	1.438	0.000	0.000	50.226	0.000	1.06
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	52.800	0.000	0.75
L4	100.00-80.00	A	1.410	0.000	0.000	49.854	0.000	1.05
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	61.976	0.000	0.82
L5	80.00-60.00	A	1.375	0.000	0.000	49.399	0.000	1.03
		B		0.000	0.000	6.411	0.000	0.07
		C		0.000	0.000	61.346	0.000	0.80
L6	60.00-40.00	A	1.329	0.000	0.000	48.808	0.000	1.02
		B		0.000	0.000	6.566	0.000	0.07
		C		0.000	0.000	60.528	0.000	0.78
L7	40.00-20.00	A	1.263	0.000	0.000	47.948	0.000	0.99
		B		0.000	0.000	6.302	0.000	0.06
		C		0.000	0.000	59.336	0.000	0.75
L8	20.00-0.00	A	1.132	0.000	0.000	46.240	0.000	0.94
		B		0.000	0.000	5.776	0.000	0.05
		C		0.000	0.000	56.971	0.000	0.68

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	160.00-140.00	0.6229	-0.0125	0.9171	-1.2940
L2	140.00-120.00	-4.9548	5.7723	-3.4428	3.2682
L3	120.00-100.00	-5.6122	-0.9624	-3.9945	-1.1350
L4	100.00-80.00	-5.5588	-0.5850	-3.4197	-0.2790
L5	80.00-60.00	-5.6218	-0.8732	-3.1875	-0.9058
L6	60.00-40.00	-5.6107	-0.8868	-3.1879	-0.9300
L7	40.00-20.00	-5.6107	-0.8868	-3.2221	-0.9196
L8	20.00-0.00	-5.6107	-0.8868	-3.2927	-0.8980

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
L1	2	PiRod Ladder	140.00 - 160.00	1.0000	1.0000
L1	3	Safety Line 3/8	140.00 - 160.00	1.0000	1.0000
L1	5	810921-001(7/8)	140.00 - 160.00	1.0000	1.0000
L2	2	PiRod Ladder	120.00 - 140.00	1.0000	1.0000
L2	3	Safety Line 3/8	120.00 - 140.00	1.0000	1.0000
L2	5	810921-001(7/8)	120.00 - 140.00	1.0000	1.0000
L2	17	LDF7-50A(1-5/8)	120.00 - 140.00	1.0000	1.0000
L2	18	LDF5-50A(7/8)	120.00 - 140.00	1.0000	1.0000
L3	2	PiRod Ladder	100.00 - 120.00	1.0000	1.0000
L3	3	Safety Line 3/8	100.00 - 120.00	1.0000	1.0000
L3	5	810921-001(7/8)	100.00 - 120.00	1.0000	1.0000
L3	17	LDF7-50A(1-5/8)	100.00 - 120.00	1.0000	1.0000
L3	18	LDF5-50A(7/8)	100.00 - 120.00	1.0000	1.0000
L3	25	LDF7-50A(1-5/8)	100.00 - 120.00	1.0000	1.0000
L4	2	PiRod Ladder	80.00 - 100.00	1.0000	1.0000
L4	3	Safety Line 3/8	80.00 - 100.00	1.0000	1.0000
L4	5	810921-001(7/8)	80.00 - 100.00	1.0000	1.0000
L4	17	LDF7-50A(1-5/8)	80.00 - 100.00	1.0000	1.0000
L4	18	LDF5-50A(7/8)	80.00 - 100.00	1.0000	1.0000
L4	25	LDF7-50A(1-5/8)	80.00 - 100.00	1.0000	1.0000
L4	27	CAT5E(1/4)	80.00 - 100.00	1.0000	1.0000
L5	2	PiRod Ladder	60.00 - 80.00	1.0000	1.0000
L5	3	Safety Line 3/8	60.00 - 80.00	1.0000	1.0000
L5	5	810921-001(7/8)	60.00 - 80.00	1.0000	1.0000
L5	17	LDF7-50A(1-5/8)	60.00 - 80.00	1.0000	1.0000
L5	18	LDF5-50A(7/8)	60.00 - 80.00	1.0000	1.0000
L5	25	LDF7-50A(1-5/8)	60.00 - 80.00	1.0000	1.0000
L5	27	CAT5E(1/4)	60.00 - 80.00	1.0000	1.0000
L5	29	LDF4-50A(1/2)	60.00 - 79.00	1.0000	1.0000
L6	2	PiRod Ladder	40.00 - 60.00	1.0000	1.0000
L6	3	Safety Line 3/8	40.00 - 60.00	1.0000	1.0000
L6	5	810921-001(7/8)	40.00 - 60.00	1.0000	1.0000
L6	17	LDF7-50A(1-5/8)	40.00 - 60.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L6	18	LDF5-50A(7/8)	40.00 - 60.00	1.0000	1.0000
L6	25	LDF7-50A(1-5/8)	40.00 - 60.00	1.0000	1.0000
L6	27	CAT5E(1/4)	40.00 - 60.00	1.0000	1.0000
L6	29	LDF4-50A(1/2)	40.00 - 60.00	1.0000	1.0000
L7	2	PiRod Ladder	20.00 - 40.00	1.0000	1.0000
L7	3	Safety Line 3/8	20.00 - 40.00	1.0000	1.0000
L7	5	810921-001(7/8)	20.00 - 40.00	1.0000	1.0000
L7	17	LDF7-50A(1-5/8)	20.00 - 40.00	1.0000	1.0000
L7	18	LDF5-50A(7/8)	20.00 - 40.00	1.0000	1.0000
L7	25	LDF7-50A(1-5/8)	20.00 - 40.00	1.0000	1.0000
L7	27	CAT5E(1/4)	20.00 - 40.00	1.0000	1.0000
L7	29	LDF4-50A(1/2)	20.00 - 40.00	1.0000	1.0000
L8	2	PiRod Ladder	0.00 - 20.00	1.0000	1.0000
L8	3	Safety Line 3/8	0.00 - 20.00	1.0000	1.0000
L8	5	810921-001(7/8)	0.00 - 20.00	1.0000	1.0000
L8	17	LDF7-50A(1-5/8)	0.00 - 20.00	1.0000	1.0000
L8	18	LDF5-50A(7/8)	0.00 - 20.00	1.0000	1.0000
L8	25	LDF7-50A(1-5/8)	0.00 - 20.00	1.0000	1.0000
L8	27	CAT5E(1/4)	0.00 - 20.00	1.0000	1.0000
L8	29	LDF4-50A(1/2)	0.00 - 20.00	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
OA40-41	C	From Leg	4.00 0.00 10.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.27 7.04 8.83 12.45	5.27 7.04 8.83 12.45	0.05 0.09 0.14 0.27
6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
***									
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.23 0.38
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.23 0.38
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.23 0.38
KRY 112 144/1	A	From Leg	4.00 0.00	0.0000	160.00	No Ice 1/2" Ice	0.35 0.43	0.17 0.23	0.01 0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1" Ice	0.51	0.30	0.02
						2" Ice	0.70	0.46	0.03
KRY 112 144/1	B	From Leg	4.00	0.0000	160.00	No Ice	0.35	0.17	0.01
			0.00			1/2" Ice	0.43	0.23	0.01
			0.00			1" Ice	0.51	0.30	0.02
						2" Ice	0.70	0.46	0.03
KRY 112 144/1	C	From Leg	4.00	0.0000	160.00	No Ice	0.35	0.17	0.01
			0.00			1/2" Ice	0.43	0.23	0.01
			0.00			1" Ice	0.51	0.30	0.02
						2" Ice	0.70	0.46	0.03
Platform Mount [LP 405-1_HR-1]	A	None		0.0000	160.00	No Ice	25.33	25.33	2.06
						1/2" Ice	33.79	33.79	2.63
						1" Ice	42.16	42.16	3.36
						2" Ice	58.77	58.77	5.25
*									
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00	0.0000	160.00	No Ice	14.69	6.87	0.19
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00	0.0000	160.00	No Ice	14.69	6.87	0.19
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00	0.0000	160.00	No Ice	14.69	6.87	0.19
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
AIR 32 B2A B66AA w/ Mount Pipe	A	From Leg	4.00	0.0000	160.00	No Ice	3.76	3.15	0.19
			0.00			1/2" Ice	4.12	3.49	0.25
			0.00			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
AIR 32 B2A B66AA w/ Mount Pipe	B	From Leg	4.00	0.0000	160.00	No Ice	3.76	3.15	0.19
			0.00			1/2" Ice	4.12	3.49	0.25
			0.00			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
AIR 32 B2A B66AA w/ Mount Pipe	C	From Leg	4.00	0.0000	160.00	No Ice	3.76	3.15	0.19
			0.00			1/2" Ice	4.12	3.49	0.25
			0.00			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
AIR6449 B41 w/ Mount Pipe	A	From Leg	4.00	0.0000	160.00	No Ice	5.18	2.72	0.12
			0.00			1/2" Ice	5.59	3.05	0.16
			0.00			1" Ice	6.01	3.39	0.22
						2" Ice	6.90	4.13	0.34
AIR6449 B41 w/ Mount Pipe	B	From Leg	4.00	0.0000	160.00	No Ice	5.18	2.72	0.12
			0.00			1/2" Ice	5.59	3.05	0.16
			0.00			1" Ice	6.01	3.39	0.22
						2" Ice	6.90	4.13	0.34
AIR6449 B41 w/ Mount Pipe	C	From Leg	4.00	0.0000	160.00	No Ice	5.18	2.72	0.12
			0.00			1/2" Ice	5.59	3.05	0.16
			0.00			1" Ice	6.01	3.39	0.22
						2" Ice	6.90	4.13	0.34
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00	0.0000	160.00	No Ice	1.97	1.59	0.07
			0.00			1/2" Ice	2.15	1.75	0.09
			0.00			1" Ice	2.33	1.92	0.12
						2" Ice	2.72	2.28	0.17
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00	0.0000	160.00	No Ice	1.97	1.59	0.07
			0.00			1/2" Ice	2.15	1.75	0.09
			0.00			1" Ice	2.33	1.92	0.12
						2" Ice	2.72	2.28	0.17
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00	0.0000	160.00	No Ice	1.97	1.59	0.07
			0.00			1/2" Ice	2.15	1.75	0.09
			0.00			1" Ice	2.33	1.92	0.12
						2" Ice	2.72	2.28	0.17
RRUS 4415 B25	A	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1" Ice	1.97	0.91	0.07
						2" Ice	2.33	1.18	0.11
RRUS 4415 B25	B	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06
			0.00			1" Ice	1.97	0.91	0.07
						2" Ice	2.33	1.18	0.11
RRUS 4415 B25	C	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06
			0.00			1" Ice	1.97	0.91	0.07
						2" Ice	2.33	1.18	0.11
***									
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.00	0.0000	152.00	No Ice	4.60	4.01	0.10
			0.00			1/2" Ice	5.05	4.45	0.16
			1.00			1" Ice	5.50	4.89	0.23
						2" Ice	6.44	5.82	0.42
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.00	0.0000	152.00	No Ice	4.60	4.01	0.10
			0.00			1/2" Ice	5.05	4.45	0.16
			1.00			1" Ice	5.50	4.89	0.23
						2" Ice	6.44	5.82	0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.00	0.0000	152.00	No Ice	4.60	4.01	0.10
			0.00			1/2" Ice	5.05	4.45	0.16
			1.00			1" Ice	5.50	4.89	0.23
						2" Ice	6.44	5.82	0.42
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00	0.0000	152.00	No Ice	4.09	2.86	0.08
			0.00			1/2" Ice	4.48	3.23	0.13
			1.00			1" Ice	4.88	3.61	0.19
						2" Ice	5.71	4.40	0.33
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00	0.0000	152.00	No Ice	4.09	2.86	0.08
			0.00			1/2" Ice	4.48	3.23	0.13
			1.00			1" Ice	4.88	3.61	0.19
						2" Ice	5.71	4.40	0.33
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00	0.0000	152.00	No Ice	4.09	2.86	0.08
			0.00			1/2" Ice	4.48	3.23	0.13
			1.00			1" Ice	4.88	3.61	0.19
						2" Ice	5.71	4.40	0.33
TD-RRH8X20-25	A	From Leg	4.00	0.0000	152.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
TD-RRH8X20-25	B	From Leg	4.00	0.0000	152.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
TD-RRH8X20-25	C	From Leg	4.00	0.0000	152.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
Platform Mount [LP 1201-1_HR-3]	A	None		0.0000	152.00	No Ice	29.96	29.96	2.62
						1/2" Ice	36.80	36.80	3.38
						1" Ice	43.24	43.24	4.28
						2" Ice	55.52	55.52	6.43
***									
PCS 1900MHz 4x45W-65MHz	A	From Leg	1.00	0.0000	148.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
PCS 1900MHz 4x45W-65MHz	B	From Leg	1.00	0.0000	148.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
PCS 1900MHz 4x45W-65MHz	C	From Leg	1.00	0.0000	148.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
800MHz 2X50W RRH	A	From Leg	1.00	0.0000	148.00	No Ice	2.06	1.93	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
W/FILTER			0.00			1/2" Ice	2.24	2.11	0.09
			0.00			1" Ice	2.43	2.29	0.11
						2" Ice	2.83	2.68	0.17
800MHz 2X50W RRH W/FILTER	B	From Leg	1.00 0.00 0.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
800MHz 2X50W RRH W/FILTER	C	From Leg	1.00 0.00 0.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
Pipe Mount [PM 601-3]	A	None		0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.17 3.79 4.42 5.76	3.17 3.79 4.42 5.76	0.20 0.23 0.28 0.40
***									
GPS_A	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.26 0.32 0.39 0.56	0.26 0.32 0.39 0.56	0.00 0.00 0.01 0.02
Platform Mount [LP 304-1]	A	None		0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.49 21.37 25.28 33.17	17.49 21.37 25.28 33.17	1.35 1.71 2.13 3.16
*									
BXA-70063-4CF-EDIN-5 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.84 5.35 5.88 6.99	3.54 4.03 4.53 5.59	0.04 0.08 0.12 0.24
BXA-70063-4CF-EDIN-5 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.84 5.35 5.88 6.99	3.54 4.03 4.53 5.59	0.04 0.08 0.12 0.24
BXA-70063-4CF-EDIN-5 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.84 5.35 5.88 6.99	3.54 4.03 4.53 5.59	0.04 0.08 0.12 0.24
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
(2) QS6656-5D	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.01 4.41 4.81 5.65	3.37 3.76 4.15 4.97	0.09 0.15 0.21 0.36
(2) QS6656-5D	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.01 4.41 4.81 5.65	3.37 3.76 4.15 4.97	0.09 0.15 0.21 0.36
(2) QS6656-5D	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.01 4.41 4.81 5.65	3.37 3.76 4.15 4.97	0.09 0.15 0.21 0.36
(3) RFV01U-D1A	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) RFV01U-D2A	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
DB-C1-12C-24AB-0Z	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.06 4.32 4.58 5.14	3.10 3.34 3.58 4.09	0.03 0.07 0.11 0.20
2" Edge-to-Edge Bracket w/Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
2" Edge-to-Edge Bracket w/Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
2" Edge-to-Edge Bracket w/Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
***									
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
800 10764 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.33 4.77 5.22 6.15	3.12 3.53 3.96 4.85	0.07 0.11 0.17 0.31
AM-X-CD-16-65-00T-RET w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.63 5.06 5.51 6.43	3.27 3.69 4.12 5.00	0.07 0.13 0.20 0.38
AM-X-CD-16-65-00T-RET w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.63 5.06 5.51 6.43	3.27 3.69 4.12 5.00	0.07 0.13 0.20 0.38
(2) RRUS 11	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
(2) RRUS 11	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
(2) RRUS 11	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
DC6-48-60-18-8F	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.92 1.46 1.64 2.04	0.92 1.46 1.64 2.04	0.02 0.04 0.06 0.11
Platform Mount [LP 304-1]	A	None		0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.49 21.37 25.28 33.17	17.49 21.37 25.28 33.17	1.35 1.71 2.13 3.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
*									
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.22 9.98 10.76 12.36	6.25 6.96 7.70 9.22	0.07 0.14 0.22 0.42
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.22 9.98 10.76 12.36	6.25 6.96 7.70 9.22	0.07 0.14 0.22 0.42
SBNHH-1D65A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.04 3.34 3.65 4.31	2.45 2.75 3.05 3.68	0.05 0.10 0.16 0.31
RRUS 32 B2	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B2	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B2	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
***									
APXV18-206517-C	A	From Leg	1.00 0.00 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.83 4.43 5.05 6.33	1.81 2.38 2.97 4.19	0.03 0.06 0.09 0.17
APXV18-206517-C	B	From Leg	1.00 0.00 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.83 4.43 5.05 6.33	1.81 2.38 2.97 4.19	0.03 0.06 0.09 0.17
APXV18-206517-C	C	From Leg	1.00 0.00 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.83 4.43 5.05 6.33	1.81 2.38 2.97 4.19	0.03 0.06 0.09 0.17
Pipe Mount [PM 601-3]	A	None		0.0000	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.17 3.79 4.42 5.76	3.17 3.79 4.42 5.76	0.20 0.23 0.28 0.40
***									
6'x4' Ice Shield	C	From Face	0.00 0.00 0.00	0.0000	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.00 6.61 8.22 11.44	9.50 12.44 15.38 21.26	0.22 0.40 0.58 0.94
Side Arm Mount [SO 203-1]	A	From Face	1.50 0.00 0.00	0.0000	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.78 2.24 2.75 3.89	3.79 4.47 5.21 6.78	0.13 0.15 0.19 0.29
Side Arm Mount [SO 203-1]	B	From Face	1.50 0.00 0.00	0.0000	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.78 2.24 2.75 3.89	3.79 4.47 5.21 6.78	0.13 0.15 0.19 0.29
***									
GPS_A	C	From Leg	3.00 0.00 0.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.26 0.32 0.39 0.56	0.26 0.32 0.39 0.56	0.00 0.00 0.01 0.02
Side Arm Mount [SO 702-1]	C	From Leg	1.00 0.00 0.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.62 0.74 0.89 1.25	1.49 2.07 2.54 3.55	0.03 0.04 0.06 0.12
***									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft²	Weight K
***											
MPRC2449	A	Paraboloid w/Radome	From Face	3.00 0.00 0.00	3.0000		100.00	2.17	No Ice 1/2" Ice 1" Ice 2" Ice	3.69 3.98 4.27 4.84	24.00 40.00 60.00 110.00
MPRC2449	B	Paraboloid w/Radome	From Face	3.00 0.00 0.00	-53.0000		100.00	2.17	No Ice 1/2" Ice 1" Ice 2" Ice	3.69 3.98 4.27 4.84	24.00 40.00 60.00 110.00
***											

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service

Comb. No.	Description
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 140	Pole	Max Tension	32	0.00	0.00	0.00
			Max. Compression	26	-25.86	1.59	1.85
			Max. Mx	20	-13.37	131.29	0.26
			Max. My	2	-13.35	0.45	131.01
			Max. Vy	8	8.40	-130.38	0.20
			Max. Vx	2	-8.42	0.45	131.01
			Max. Torque	24			1.50
L2	140 - 120	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.69	-4.50	3.43
			Max. Mx	8	-24.17	-400.46	-2.50
			Max. My	14	-24.21	-4.37	-397.29
			Max. Vy	8	15.51	-400.46	-2.50
			Max. Vx	2	-15.51	-0.63	395.89
			Max. Torque	6			-1.71
L3	120 - 100	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.75	-3.31	9.80
			Max. Mx	8	-30.01	-735.51	-3.61
			Max. My	2	-29.97	1.83	731.31
			Max. Vy	8	17.64	-735.51	-3.61
			Max. Vx	2	-17.66	1.83	731.31
			Max. Torque	6			-1.71
L4	100 - 80	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-238.18	-1.96	465.73
			Max. Mx	8	-94.26	-1144.78	140.81
			Max. My	2	-94.23	4.48	1284.78
			Max. Vy	8	21.27	-1144.78	140.81
			Max. Vx	2	-21.24	4.48	1284.78
			Max. Torque	36			-2.78
L5	80 - 60	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-248.14	-0.26	484.59
			Max. Mx	8	-101.01	-1586.22	140.16
			Max. My	2	-100.99	7.47	1725.94
			Max. Vy	8	22.89	-1586.22	140.16
			Max. Vx	2	-22.84	7.47	1725.94
			Max. Torque	36			-2.78
L6	60 - 40	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-259.79	1.05	497.74
			Max. Mx	8	-109.65	-2057.29	138.90
			Max. My	2	-109.63	10.35	2196.04
			Max. Vy	8	24.25	-2057.29	138.90
			Max. Vx	2	-24.18	10.35	2196.04
			Max. Torque	36			-2.74
L7	40 - 20	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-271.26	2.30	505.23
			Max. Mx	8	-118.32	-2551.30	137.00
			Max. My	2	-118.32	13.18	2688.47
			Max. Vy	8	25.18	-2551.30	137.00
			Max. Vx	2	-25.07	13.18	2688.47
			Max. Torque	36			-2.74
L8	20 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-284.29	3.43	507.10
			Max. Mx	8	-128.90	-3062.94	134.45
			Max. My	2	-128.90	15.95	3197.86
			Max. Vy	8	26.02	-3062.94	134.45
			Max. Vx	14	25.94	-17.94	-2899.17
			Max. Torque	36			-2.74

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	284.29	0.00	0.00
	Max. H_x	20	128.90	25.97	0.10
	Max. H_z	3	96.68	0.12	25.86
	Max. M_x	2	3197.86	0.12	25.86
	Max. M_z	8	3062.94	-26.00	-0.14
	Max. Torsion	30	2.71	-8.10	-0.03
	Min. Vert	17	96.68	12.89	-22.37
	Min. H_x	8	128.90	-26.00	-0.14
	Min. H_z	15	96.68	-0.13	-25.92
	Min. M_x	14	-2899.17	-0.13	-25.92
	Min. M_z	20	-3059.23	25.97	0.10
	Min. Torsion	36	-2.74	8.10	0.02

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	107.42	0.00	-0.00	-125.45	-0.27	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	128.90	-0.12	-25.86	-3197.86	15.95	0.95
0.9 Dead+1.0 Wind 0 deg - No Ice	96.68	-0.12	-25.86	-3115.84	15.83	0.92
1.2 Dead+1.0 Wind 30 deg - No Ice	128.90	12.90	-22.32	-2780.42	-1517.53	-0.24
0.9 Dead+1.0 Wind 30 deg - No Ice	96.68	12.90	-22.32	-2704.11	-1496.70	0.18
1.2 Dead+1.0 Wind 60 deg - No Ice	128.90	22.44	-12.81	-1659.56	-2642.85	-1.41
0.9 Dead+1.0 Wind 60 deg - No Ice	96.68	22.44	-12.81	-1598.56	-2606.64	-0.66
1.2 Dead+1.0 Wind 90 deg - No Ice	128.90	26.00	0.14	-134.45	-3062.94	-2.17
0.9 Dead+1.0 Wind 90 deg - No Ice	96.68	26.00	0.14	-94.30	-3020.98	-1.29
1.2 Dead+1.0 Wind 120 deg - No Ice	128.90	22.59	13.07	1388.10	-2662.17	-2.26
0.9 Dead+1.0 Wind 120 deg - No Ice	96.68	22.59	13.07	1407.45	-2625.68	-1.49
1.2 Dead+1.0 Wind 150 deg - No Ice	128.90	13.13	22.53	2500.40	-1548.50	-1.85
0.9 Dead+1.0 Wind 150 deg - No Ice	96.68	13.13	22.53	2504.55	-1527.23	-1.39
1.2 Dead+1.0 Wind 180 deg - No Ice	128.90	0.13	25.92	2899.17	-17.94	-0.95
0.9 Dead+1.0 Wind 180 deg - No Ice	96.68	0.13	25.92	2897.85	-17.59	-0.93
1.2 Dead+1.0 Wind 210 deg - No Ice	128.90	-12.89	22.37	2480.27	1515.61	0.14
0.9 Dead+1.0 Wind 210 deg - No Ice	96.68	-12.89	22.37	2484.69	1495.00	-0.28
1.2 Dead+1.0 Wind 240 deg - No Ice	128.90	-22.43	12.85	1357.80	2641.40	1.27
0.9 Dead+1.0 Wind 240 deg - No Ice	96.68	-22.43	12.85	1377.57	2605.40	0.52
1.2 Dead+1.0 Wind 270 deg - No Ice	128.90	-25.97	-0.10	-167.23	3059.23	1.99
0.9 Dead+1.0 Wind 270 deg - No Ice	96.68	-25.97	-0.10	-126.62	3017.52	1.11
1.2 Dead+1.0 Wind 300 deg - No Ice	128.90	-22.56	-13.02	-1688.45	2658.32	2.14

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.0 Wind 300 deg - No Ice	96.68	-22.56	-13.02	-1627.04	2622.10	1.37
1.2 Dead+1.0 Wind 330 deg - No Ice	128.90	-13.09	-22.46	-2798.83	1544.10	1.74
0.9 Dead+1.0 Wind 330 deg - No Ice	96.68	-13.09	-22.46	-2722.27	1523.10	1.28
1.2 Dead+1.0 Ice+1.0 Temp	284.29	0.00	-0.00	-507.10	3.43	0.03
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	284.29	-0.02	-8.06	-1482.42	6.99	0.13
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	284.29	4.03	-6.96	-1349.68	-483.88	-1.25
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	284.29	7.00	-4.01	-991.33	-843.81	-2.30
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	284.29	8.10	0.03	-503.13	-977.36	-2.71
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	284.29	7.03	4.06	-15.47	-848.06	-2.38
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	284.29	4.08	7.01	341.02	-490.64	-1.42
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	284.29	0.03	8.07	469.65	-0.43	-0.07
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	284.29	-4.03	6.97	336.59	490.42	1.29
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	284.29	-7.00	4.01	-22.11	850.50	2.33
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	284.29	-8.10	-0.02	-510.30	983.54	2.74
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	284.29	-7.03	-4.05	-997.65	854.20	2.41
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	284.29	-4.07	-6.99	-1353.72	496.69	1.46
Dead+Wind 0 deg - Service	107.42	-0.03	-6.09	-836.22	3.53	0.23
Dead+Wind 30 deg - Service	107.42	3.04	-5.26	-738.79	-354.37	0.02
Dead+Wind 60 deg - Service	107.42	5.29	-3.02	-477.20	-617.00	-0.21
Dead+Wind 90 deg - Service	107.42	6.12	0.03	-121.26	-715.04	-0.37
Dead+Wind 120 deg - Service	107.42	5.32	3.08	234.08	-621.49	-0.41
Dead+Wind 150 deg - Service	107.42	3.09	5.31	493.67	-361.58	-0.36
Dead+Wind 180 deg - Service	107.42	0.03	6.10	586.73	-4.38	-0.23
Dead+Wind 210 deg - Service	107.42	-3.03	5.27	488.97	353.52	-0.04
Dead+Wind 240 deg - Service	107.42	-5.28	3.03	227.01	616.26	0.18
Dead+Wind 270 deg - Service	107.42	-6.12	-0.02	-128.90	713.79	0.33
Dead+Wind 300 deg - Service	107.42	-5.31	-3.07	-483.94	620.23	0.38
Dead+Wind 330 deg - Service	107.42	-3.08	-5.29	-743.09	360.18	0.34

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-107.42	0.00	-0.00	107.42	0.00	0.000%
2	-0.12	-128.90	-25.86	0.12	128.90	25.86	0.000%
3	-0.12	-96.68	-25.86	0.12	96.68	25.86	0.000%
4	12.90	-128.90	-22.32	-12.90	128.90	22.32	0.000%
5	12.90	-96.68	-22.32	-12.90	96.68	22.32	0.000%
6	22.44	-128.90	-12.81	-22.44	128.90	12.81	0.000%
7	22.44	-96.68	-12.81	-22.44	96.68	12.81	0.000%
8	26.00	-128.90	0.14	-26.00	128.90	-0.14	0.000%
9	26.00	-96.68	0.14	-26.00	96.68	-0.14	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
10	22.59	-128.90	13.07	-22.59	128.90	-13.07	0.000%
11	22.59	-96.68	13.07	-22.59	96.68	-13.07	0.000%
12	13.13	-128.90	22.53	-13.13	128.90	-22.53	0.000%
13	13.13	-96.68	22.53	-13.13	96.68	-22.53	0.000%
14	0.13	-128.90	25.92	-0.13	128.90	-25.92	0.000%
15	0.13	-96.68	25.92	-0.13	96.68	-25.92	0.000%
16	-12.89	-128.90	22.37	12.89	128.90	-22.37	0.000%
17	-12.89	-96.68	22.37	12.89	96.68	-22.37	0.000%
18	-22.43	-128.90	12.85	22.43	128.90	-12.85	0.000%
19	-22.43	-96.68	12.85	22.43	96.68	-12.85	0.000%
20	-25.97	-128.90	-0.10	25.97	128.90	0.10	0.000%
21	-25.97	-96.68	-0.10	25.97	96.68	0.10	0.000%
22	-22.56	-128.90	-13.02	22.56	128.90	13.02	0.000%
23	-22.56	-96.68	-13.02	22.56	96.68	13.02	0.000%
24	-13.09	-128.90	-22.46	13.09	128.90	22.46	0.000%
25	-13.09	-96.68	-22.46	13.09	96.68	22.46	0.000%
26	0.00	-284.29	0.00	0.00	284.29	0.00	0.000%
27	-0.02	-284.29	-8.06	0.02	284.29	8.06	0.000%
28	4.03	-284.29	-6.96	-4.03	284.29	6.96	0.000%
29	7.00	-284.29	-4.01	-7.00	284.29	4.01	0.000%
30	8.10	-284.29	0.03	-8.10	284.29	-0.03	0.000%
31	7.03	-284.29	4.06	-7.03	284.29	-4.06	0.000%
32	4.08	-284.29	7.01	-4.08	284.29	-7.01	0.000%
33	0.03	-284.29	8.07	-0.03	284.29	-8.07	0.000%
34	-4.03	-284.29	6.97	4.03	284.29	-6.97	0.000%
35	-7.00	-284.29	4.01	7.00	284.29	-4.01	0.000%
36	-8.10	-284.29	-0.02	8.10	284.29	0.02	0.000%
37	-7.03	-284.29	-4.05	7.03	284.29	4.05	0.000%
38	-4.07	-284.29	-6.99	4.07	284.29	6.99	0.000%
39	-0.03	-107.42	-6.09	0.03	107.42	6.09	0.000%
40	3.04	-107.42	-5.26	-3.04	107.42	5.26	0.000%
41	5.29	-107.42	-3.02	-5.29	107.42	3.02	0.000%
42	6.12	-107.42	0.03	-6.12	107.42	-0.03	0.000%
43	5.32	-107.42	3.08	-5.32	107.42	-3.08	0.000%
44	3.09	-107.42	5.31	-3.09	107.42	-5.31	0.000%
45	0.03	-107.42	6.10	-0.03	107.42	-6.10	0.000%
46	-3.03	-107.42	5.27	3.03	107.42	-5.27	0.000%
47	-5.28	-107.42	3.03	5.28	107.42	-3.03	0.000%
48	-6.12	-107.42	-0.02	6.12	107.42	0.02	0.000%
49	-5.31	-107.42	-3.07	5.31	107.42	3.07	0.000%
50	-3.08	-107.42	-5.29	3.08	107.42	5.29	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00006368
2	Yes	5	0.00000001	0.00009498
3	Yes	4	0.00000001	0.00089593
4	Yes	5	0.00000001	0.00053489
5	Yes	5	0.00000001	0.00027525
6	Yes	5	0.00000001	0.00055788
7	Yes	5	0.00000001	0.00027752
8	Yes	5	0.00000001	0.00014460
9	Yes	5	0.00000001	0.00005400
10	Yes	5	0.00000001	0.00037593
11	Yes	5	0.00000001	0.00021115
12	Yes	5	0.00000001	0.00043556
13	Yes	5	0.00000001	0.00023453
14	Yes	5	0.00000001	0.00008571
15	Yes	4	0.00000001	0.00085908
16	Yes	5	0.00000001	0.00039701
17	Yes	5	0.00000001	0.00021321
18	Yes	5	0.00000001	0.00037513
19	Yes	5	0.00000001	0.00021161
20	Yes	5	0.00000001	0.00014982

21	Yes	5	0.00000001	0.00005655
22	Yes	5	0.00000001	0.00058316
23	Yes	5	0.00000001	0.00029115
24	Yes	5	0.00000001	0.00052300
25	Yes	5	0.00000001	0.00026836
26	Yes	6	0.00000001	0.00014239
27	Yes	6	0.00000001	0.00032599
28	Yes	6	0.00000001	0.00032767
29	Yes	6	0.00000001	0.00030901
30	Yes	6	0.00000001	0.00024941
31	Yes	6	0.00000001	0.00017072
32	Yes	5	0.00000001	0.00067427
33	Yes	5	0.00000001	0.00029840
34	Yes	5	0.00000001	0.00066379
35	Yes	6	0.00000001	0.00017039
36	Yes	6	0.00000001	0.00025040
37	Yes	6	0.00000001	0.00031076
38	Yes	6	0.00000001	0.00032899
39	Yes	4	0.00000001	0.00030284
40	Yes	4	0.00000001	0.00037735
41	Yes	4	0.00000001	0.00038274
42	Yes	4	0.00000001	0.00027304
43	Yes	4	0.00000001	0.00022840
44	Yes	4	0.00000001	0.00022202
45	Yes	4	0.00000001	0.00017604
46	Yes	4	0.00000001	0.00021399
47	Yes	4	0.00000001	0.00022509
48	Yes	4	0.00000001	0.00027279
49	Yes	4	0.00000001	0.00038845
50	Yes	4	0.00000001	0.00037024

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 140	10.413	39	0.5056	0.0002
L2	140 - 120	8.310	39	0.4942	0.0005
L3	120 - 100	6.294	39	0.4629	0.0004
L4	100 - 80	4.443	39	0.4162	0.0003
L5	80 - 60	2.869	39	0.3314	0.0002
L6	60 - 40	1.641	39	0.2515	0.0002
L7	40 - 20	0.740	39	0.1765	0.0001
L8	20 - 0	0.185	39	0.0859	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
160.00	OA40-41	39	10.413	0.5056	0.0002	209109
152.00	APXVSPP18-C-A20 w/ Mount Pipe	39	9.567	0.5027	0.0003	130693
148.00	PCS 1900MHz 4x45W-65MHz	39	9.145	0.5007	0.0004	87129
140.00	GPS_A	39	8.310	0.4942	0.0005	52993
130.00	7770.00 w/ Mount Pipe	39	7.286	0.4804	0.0004	34413
120.00	APXV18-206517-C	39	6.294	0.4629	0.0004	25670
100.00	MPRC2449	39	4.443	0.4162	0.0003	16987
79.00	GPS_A	39	2.799	0.3270	0.0003	13176

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 140	38.016	2	1.8599	0.0022
L2	140 - 120	30.289	2	1.8110	0.0024
L3	120 - 100	22.939	2	1.6754	0.0025
L4	100 - 80	16.300	2	1.4749	0.0023
L5	80 - 60	10.652	2	1.2049	0.0017
L6	60 - 40	6.151	2	0.9310	0.0013
L7	40 - 20	2.793	2	0.6616	0.0009
L8	20 - 0	0.702	2	0.3258	0.0004

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
160.00	OA40-41	2	38.016	1.8599	0.0022	50151
152.00	APXVSPP18-C-A20 w/ Mount Pipe	2	34.904	1.8470	0.0023	31344
148.00	PCS 1900MHz 4x45W-65MHz	2	33.355	1.8382	0.0023	20896
140.00	GPS_A	2	30.289	1.8110	0.0024	12602
130.00	7770.00 w/ Mount Pipe	2	26.545	1.7534	0.0025	8396
120.00	APXV18-206517-C	2	22.939	1.6754	0.0025	6357
100.00	MPRC2449	2	16.300	1.4749	0.0023	4776
79.00	GPS_A	2	10.400	1.1908	0.0017	4079

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	160 - 140 (1)	P36x0.375	20.00	0.00	0.0	41.9697	-13.36	1490.10	0.009
L2	140 - 120 (2)	P42x0.375	20.00	0.00	0.0	49.0383	-24.18	1668.87	0.014
L3	120 - 100 (3)	P48x0.375	20.00	0.00	0.0	56.1069	-30.02	1847.49	0.016
L4	100 - 80 (4)	P54x0.375	20.00	0.00	0.0	63.1755	-94.23	2026.00	0.047
L5	80 - 60 (5)	P60x0.375	20.00	0.00	0.0	70.2440	-100.99	2204.43	0.046
L6	60 - 40 (6)	P60x0.5	20.00	0.00	0.0	93.4624	-109.63	3125.69	0.035
L7	40 - 20 (7)	P60x0.5	20.00	0.00	0.0	93.4624	-118.32	3125.69	0.038
L8	20 - 0 (8)	P60x0.625	20.00	0.00	0.0	116.5830	-128.90	4139.15	0.031

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 140 (1)	P36x0.375	131.35	1338.81	0.098	0.00	1338.81	0.000
L2	140 - 120 (2)	P42x0.375	401.75	1796.56	0.224	0.00	1796.56	0.000
L3	120 - 100 (3)	P48x0.375	737.96	2321.11	0.318	0.00	2321.11	0.000
L4	100 - 80 (4)	P54x0.375	1284.78	2912.46	0.441	0.00	2912.46	0.000
L5	80 - 60 (5)	P60x0.375	1725.95	3570.61	0.483	0.00	3570.61	0.000
L6	60 - 40 (6)	P60x0.5	2196.07	4860.41	0.452	0.00	4860.41	0.000
L7	40 - 20 (7)	P60x0.5	2688.50	4860.41	0.553	0.00	4860.41	0.000
L8	20 - 0 (8)	P60x0.625	3197.90	6198.18	0.516	0.00	6198.18	0.000

Pole Shear Design Data

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	160 - 140 (1)	P36x0.375	8.41	454.19	0.019	1.31	1094.28	0.001
L2	140 - 120 (2)	P42x0.375	15.57	421.13	0.037	0.71	1185.51	0.001
L3	120 - 100 (3)	P48x0.375	17.70	430.23	0.041	0.71	1384.85	0.001
L4	100 - 80 (4)	P54x0.375	21.25	443.48	0.048	1.14	1607.33	0.001
L5	80 - 60 (5)	P60x0.375	22.84	455.63	0.050	0.95	1836.15	0.001
L6	60 - 40 (6)	P60x0.5	24.18	868.59	0.028	0.95	3492.99	0.000
L7	40 - 20 (7)	P60x0.5	25.07	868.59	0.029	0.95	3492.99	0.000
L8	20 - 0 (8)	P60x0.625	25.88	1322.05	0.020	0.95	5746.70	0.000

Pole Interaction Design Data

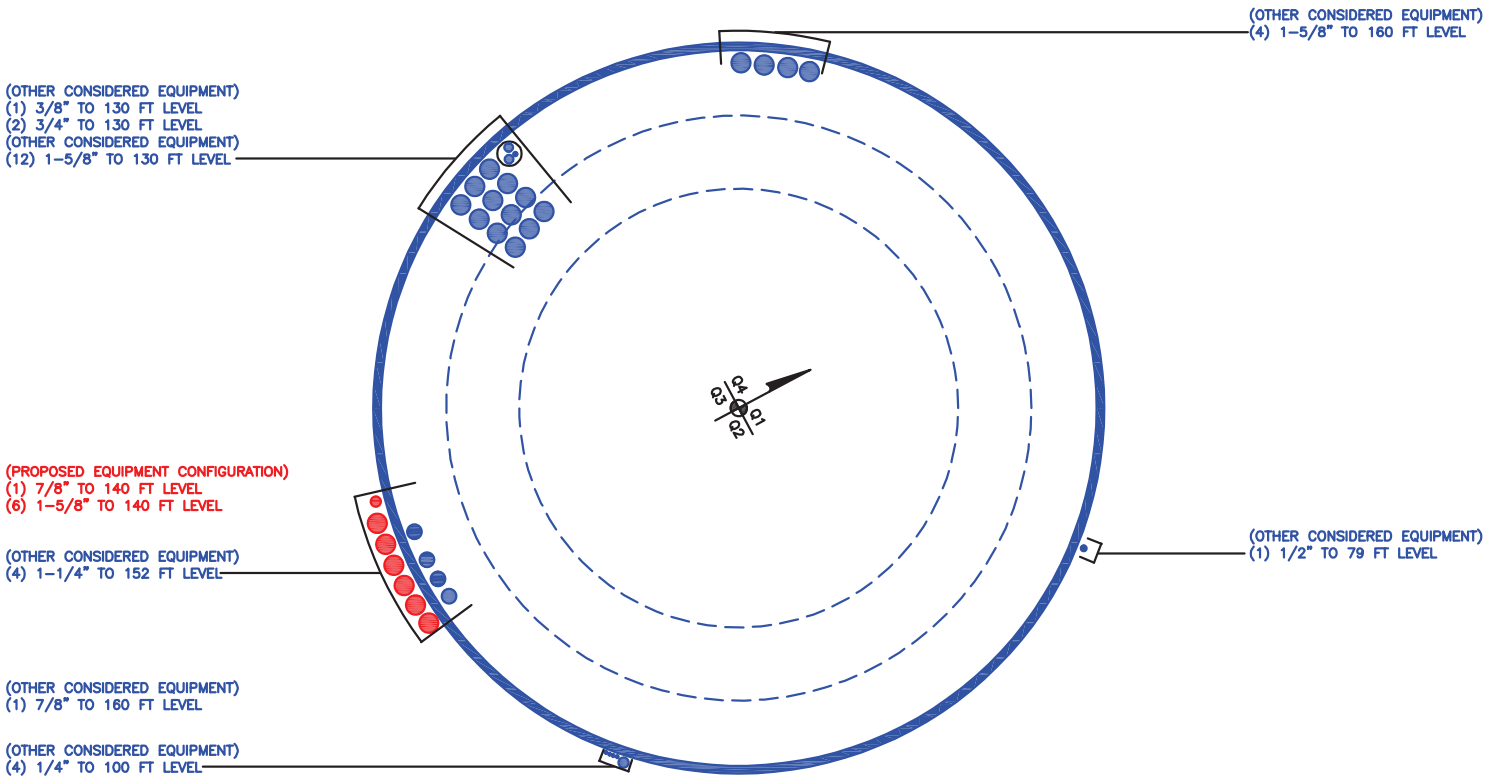
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 140 (1)	0.009	0.098	0.000	0.019	0.001	0.107	1.050	4.8.2
L2	140 - 120 (2)	0.014	0.224	0.000	0.037	0.001	0.240	1.050	4.8.2
L3	120 - 100 (3)	0.016	0.318	0.000	0.041	0.001	0.336	1.050	4.8.2
L4	100 - 80 (4)	0.047	0.441	0.000	0.048	0.001	0.490	1.050	4.8.2
L5	80 - 60 (5)	0.046	0.483	0.000	0.050	0.001	0.532	1.050	4.8.2
L6	60 - 40 (6)	0.035	0.452	0.000	0.028	0.000	0.488	1.050	4.8.2
L7	40 - 20 (7)	0.038	0.553	0.000	0.029	0.000	0.592	1.050	4.8.2
L8	20 - 0 (8)	0.031	0.516	0.000	0.020	0.000	0.547	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 140	Pole	P36x0.375	1	-13.36	1564.60	10.2	Pass
L2	140 - 120	Pole	P42x0.375	2	-24.18	1752.31	22.8	Pass
L3	120 - 100	Pole	P48x0.375	3	-30.02	1939.86	32.0	Pass
L4	100 - 80	Pole	P54x0.375	4	-94.23	2127.30	46.7	Pass
L5	80 - 60	Pole	P60x0.375	5	-100.99	2314.65	50.6	Pass
L6	60 - 40	Pole	P60x0.5	6	-109.63	3281.97	46.4	Pass
L7	40 - 20	Pole	P60x0.5	7	-118.32	3281.97	56.4	Pass
L8	20 - 0	Pole	P60x0.625	8	-128.90	4346.11	52.1	Pass
							Summary	
						Pole (L7)	56.4	Pass
						RATING =	**56.4**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 828540 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

Monopole Flange Plate Connection

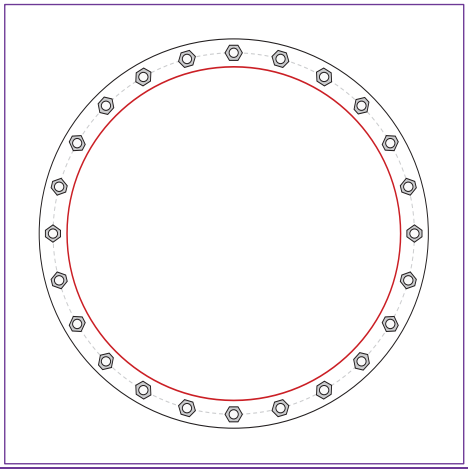
Elevation = 140 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

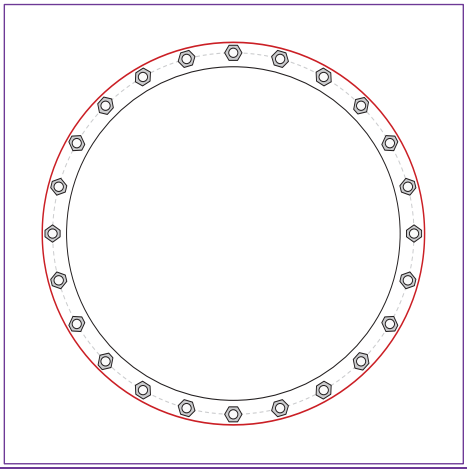
Applied Loads	
Moment (kip-ft)	131.35
Axial Force (kips)	13.36
Shear Force (kips)	8.41

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(24) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 39" BC

Top Plate Data

42" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

36" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	6.18	
Allowable (kips)	54.54	
Stress Rating:	**10.8%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

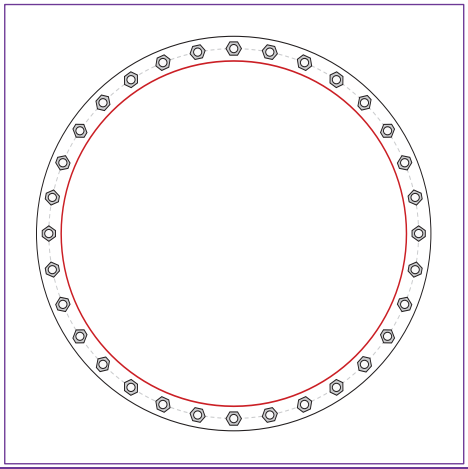
Elevation = 120 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

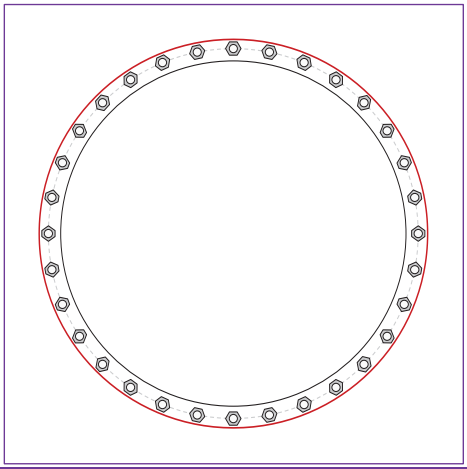
Applied Loads	
Moment (kip-ft)	401.75
Axial Force (kips)	24.18
Shear Force (kips)	15.57

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(32) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 45" BC

Top Plate Data

48" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

42" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	12.63	
Allowable (kips)	54.53	
Stress Rating:	**22.1%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

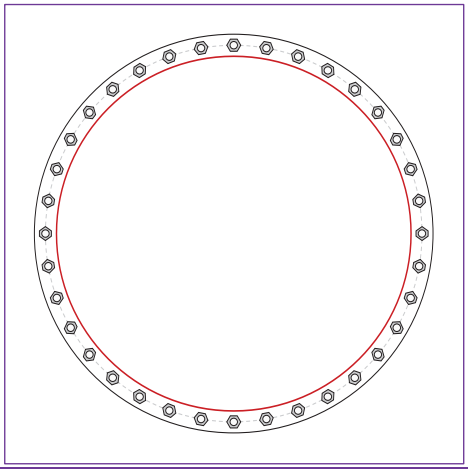
Elevation = 100 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

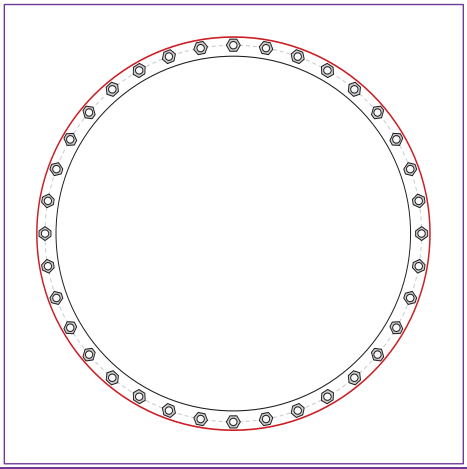
Applied Loads	
Moment (kip-ft)	737.96
Axial Force (kips)	30.02
Shear Force (kips)	17.70

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(36) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 51" BC

Top Plate Data

54" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

48" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	18.46	
Allowable (kips)	54.53	
Stress Rating:	**32.2%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

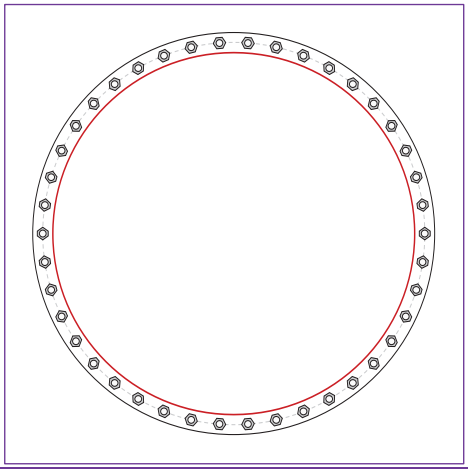
Elevation = 80 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

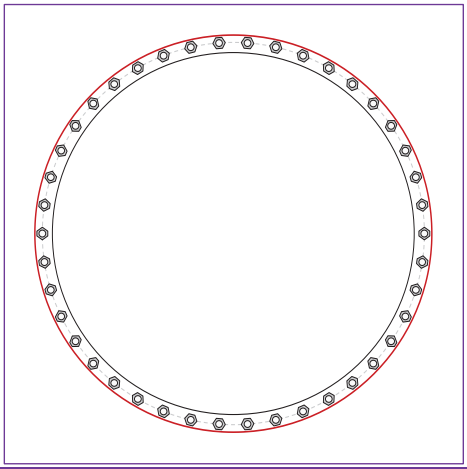
Applied Loads	
Moment (kip-ft)	1284.79
Axial Force (kips)	94.23
Shear Force (kips)	21.25

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(42) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 57" BC

Top Plate Data

60" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	23.51	
Allowable (kips)	54.53	
Stress Rating:	**41.1%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

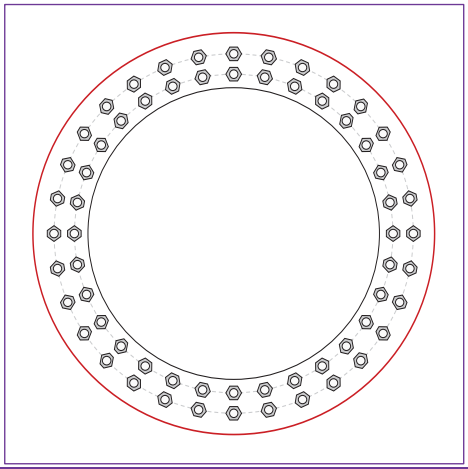
Elevation = 60 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

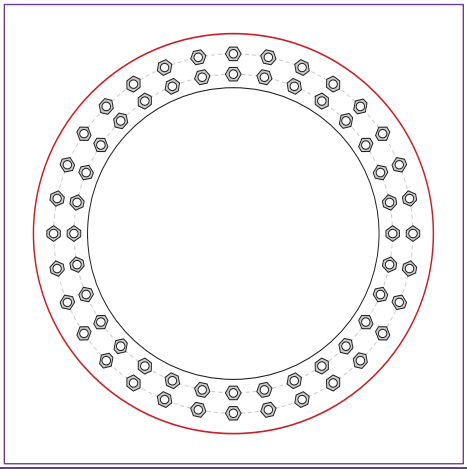
Applied Loads	
Moment (kip-ft)	1725.95
Axial Force (kips)	100.99
Shear Force (kips)	22.84

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data
N/A

Bottom Stiffener Data
N/A

Top Pole Data
60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data
60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	25.76	
Allowable (kips)	87.21	
Stress Rating:	**28.1%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

CCIplate

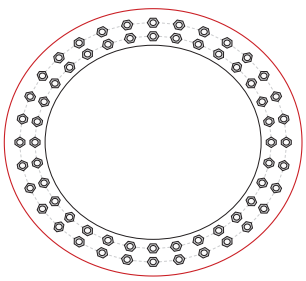
Elevation (ft)	60	*(Flange)*

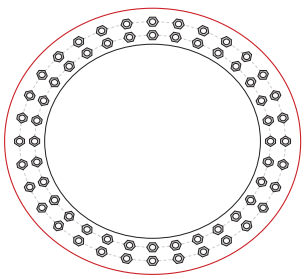
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	I_w (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

Plot Graphic





Monopole Flange Plate Connection

Elevation = 40 ft.

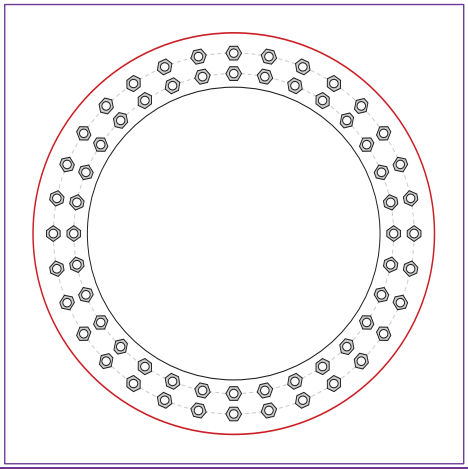
BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1

TIA-222 Revision	H

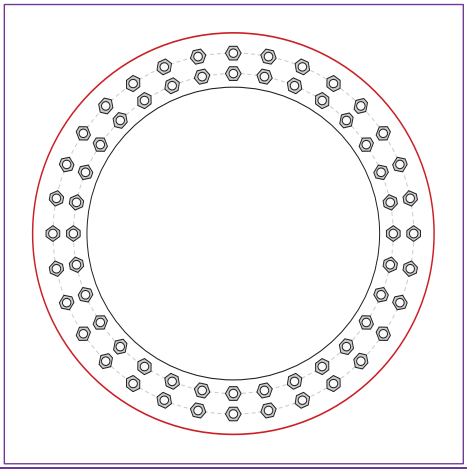
Applied Loads	
Moment (kip-ft)	2196.06
Axial Force (kips)	109.63
Shear Force (kips)	24.18

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data
N/A

Bottom Stiffener Data
N/A

Top Pole Data
60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data
60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	43.75	
Allowable (kips)	87.21	
Stress Rating:	**47.8%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

CCIplate

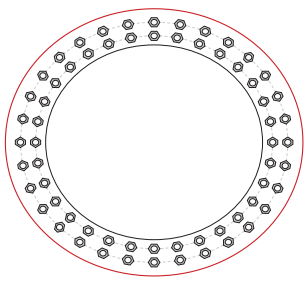
Elevation (ft)	40	*(Flange)*

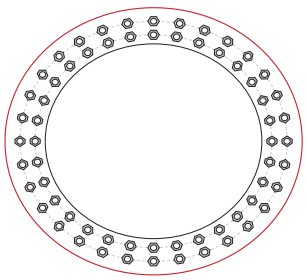
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_w (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

Plot Graphic





Monopole Flange Plate Connection

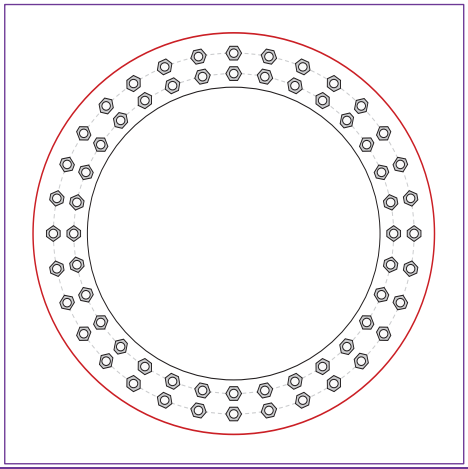
Elevation = 20 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

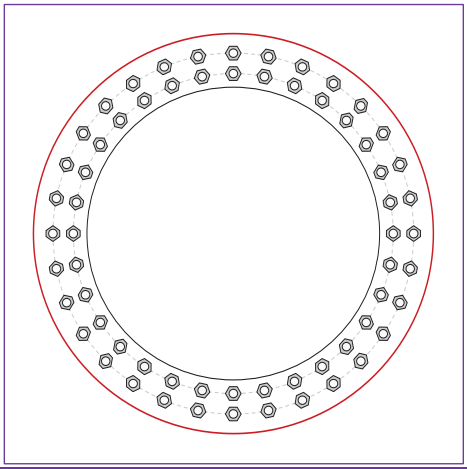
Applied Loads	
Moment (kip-ft)	2688.50
Axial Force (kips)	118.32
Shear Force (kips)	25.07

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data
N/A

Bottom Stiffener Data
N/A

Top Pole Data
60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data
60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	64.41	
Allowable (kips)	87.21	
Stress Rating:	**70.3%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

CCIplate

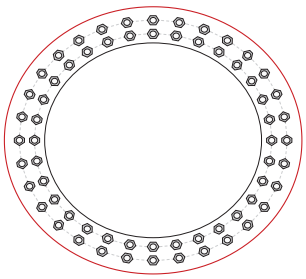
Elevation (ft)	20	*(Flange)*

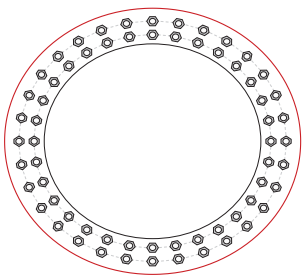
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	I_w (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

Plot Graphic





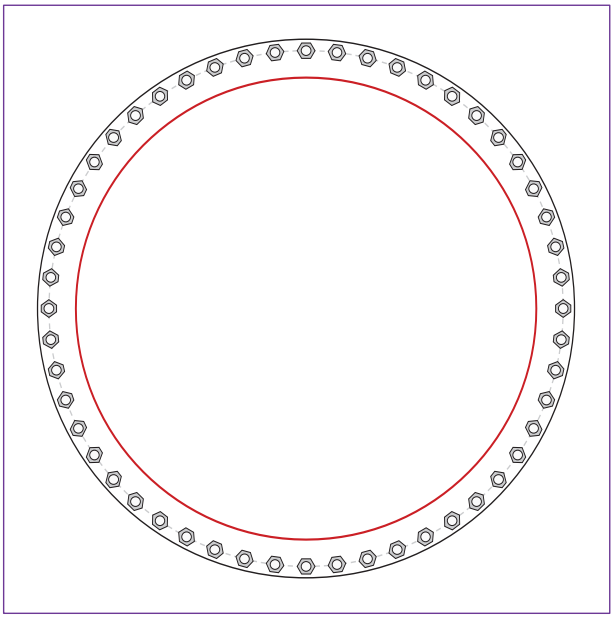
Monopole Base Plate Connection

Site Info	
BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.375

Applied Loads	
Moment (kip-ft)	3197.90
Axial Force (kips)	128.90
Shear Force (kips)	25.88

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(52) 1-1/4" ø bolts (A687 N; Fy=105 ksi, Fu=125 ksi) on 67" BC

Base Plate Data

70" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

N/A

Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_t = 41.57	ϕPn_t = 90.84	**Stress Rating**
Vu = 0.5	ϕVn = 57.52	**43.6%**
Mu = 0.44	ϕMn = 30.76	**Pass**

Base Plate Summary

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**

Pier and Pad Foundation

BU # :	828540
Site Name:	Torrington/RT 8
App. Number:	568283 Rev. 1

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	☐
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp}:	128.9	kips
Base Shear, Vu_comp:	25.86	kips
Moment, M_u:	3197.9	ft-kips
Tower Height, **H**:	160	ft
BP Dist. Above Fdn, bp_{dist}:	2.625	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	2.5	ft
Pier Rebar Size, **Sc**:	9	
Pier Rebar Quantity, **mc**:	42	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	8	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	5	ft
Pad Width, W_1:	28	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	7	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	45	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	125	pcf
Ultimate Gross Bearing, Qult:	16.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	50	
Base Friction, μ:	0.5	
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	277.20	25.86	**8.9%**	**Pass**
Bearing Pressure (ksf)	12.00	1.68	**13.4%**	**Pass**
*Overturning (kip*ft)*	7942.86	3397.51	**42.8%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	6881.16	3314.27	**45.9%**	**Pass**
Pier Compression (kip)	24494.62	160.07	**0.6%**	**Pass**
*Pad Flexure (kip*ft)*	3763.88	1367.41	**34.6%**	**Pass**
Pad Shear - 1-way (kips)	1010.06	188.68	**17.8%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.041	**20.4%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	4294.03	1988.56	**44.1%**	**Pass**

**Rating per TIA-222-H Section 15.5*

Soil Rating*:	**42.8%**
Structural Rating*:	**45.9%**

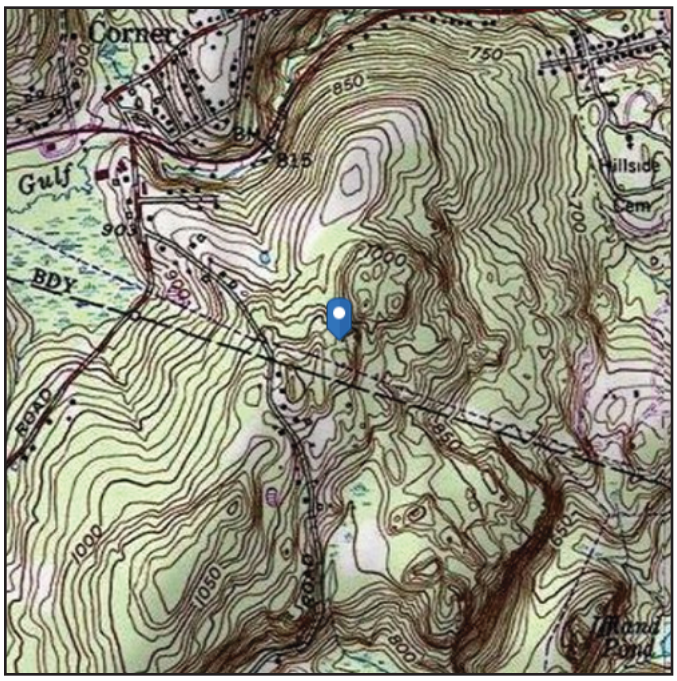
Version 4.0.1

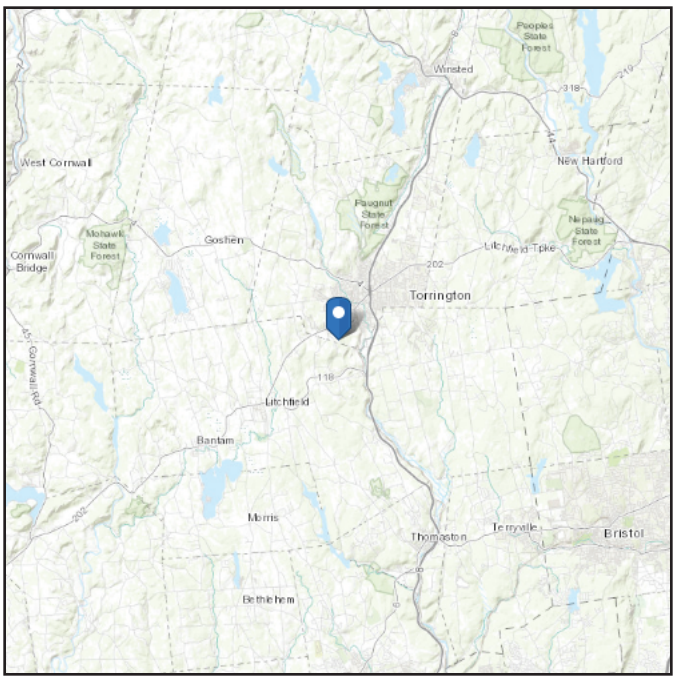
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 1026.6 ft (NAVD 88)
Latitude: 41.780647
Longitude: -73.136117





Wind

Results:

Wind Speed:	116 Vmph	Use 120 mph per city of Torrington jurisdiction
10-year MRI	76 Vmph	
25-year MRI	85 Vmph	
50-year MRI	90 Vmph	
100-year MRI	96 Vmph	

Data Accessed: Thu May 20 2021

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

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

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

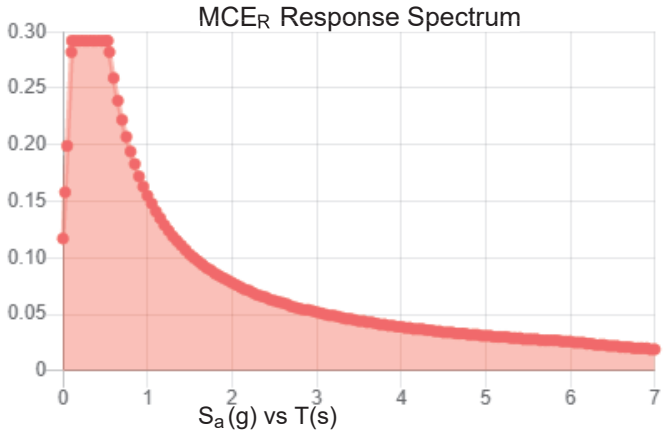
Seismic

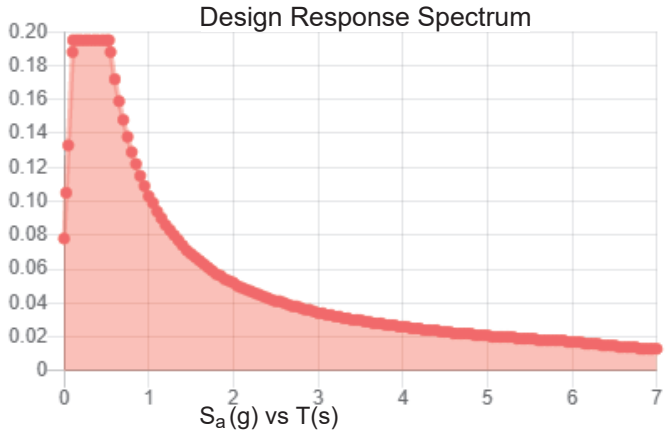
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.183	S_{DS} :	0.195
S_1 :	0.065	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.092
S_{MS} :	0.292	PGA_M :	0.148
S_{M1} :	0.155	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Thu May 20 2021

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

Ice

Results:

Ice Thickness:	0.75 in.	Design Ice: 2*0.75 in. = 1.5 in.
Concurrent Temperature:	5 F	
Gust Speed:	50 mph	

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

Date Accessed: Thu May 20 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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

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

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

Exhibit D

Mount Analysis

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10092303
Maser Consulting Connecticut Project #: 21777830A

August 9, 2021

Site Information	*Site ID:*	*467790-VZW / TORRINGTON S CT*
	Site Name:	*TORRINGTON S CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*218 Wheeler Road* *Torrington, Connecticut 06790* *Litchfield County*
	Latitude:	*41.780653°*
	Longitude:	*-73.136119°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*13.25-Ft Platform*

FUZE ID # 16227597

Analysis Results

Platform: **54.2% Pass**

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

Report Prepared By: Jessica Kendrick

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 324979, dated September 2, 2020*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 467790 dated April 28,2021*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777830A, dated July 30, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777830A, dated August 9, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.964
Seismic Parameters:	S_S:	0.176
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
139.00	140.00	3	Amphenol Antel	BXA-70063-2CF	Added
		6	Quintel	QS6656-5D	
		3	Samsung	MT6407-77A	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Mount Pipe	*26.7%*	*Pass*
Grating Support	*8.5%*	*Pass*
Platform Crossmember	*15.1%*	*Pass*
Standoff Horizontal	*31.4%*	*Pass*
Corner Plate	*14.7%*	*Pass*
Cross Arm Plate	*54.2%*	*Pass*
Face Horizontal	*14.3%*	*Pass*
Support Rail	*16.1%*	*Pass*
Support Rail Corner	*31.6%*	*Pass*
Connection Check	*48.3%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**54.2%**

Recommendation:

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

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

Attachments:

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

V4.0 Updated on 3-31-2021

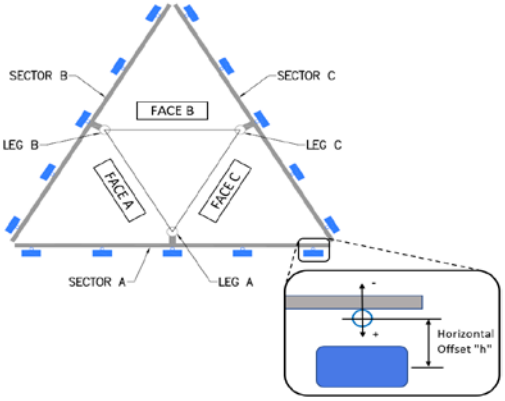
Antenna Mount Mapping Form (PATENT PENDING)

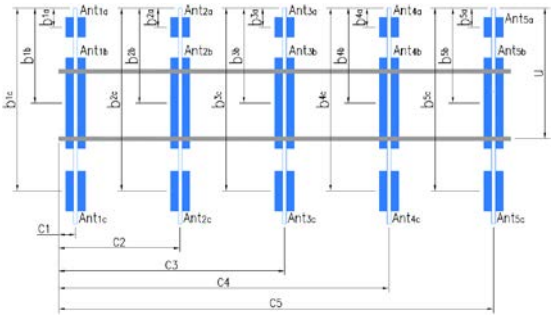
FCC #

Tower Owner:	OTHER	**Mapping Date:**	4/28/2021
Site Name:	TORRINGTON S CT	**Tower Type:**	Monopole
Site Number or ID:	467790	**Tower Height (Ft.):**	160
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	141.92

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

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





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" E.H. PIPE X 72" LONG	40.00	8.00	C1	2" E.H. PIPE X 72" LONG	40.00	8.00
A2	2" E.H. PIPE X 72" LONG	40.00	76.00	C2	2" E.H. PIPE X 72" LONG	40.00	76.00
A3	2" E.H. PIPE X 72" LONG	40.00	127.00	C3	2" E.H. PIPE X 72" LONG	40.00	127.00
A4	2" E.H. PIPE X 72" LONG	40.00	151.00	C4	2" E.H. PIPE X 72" LONG	40.00	151.00
A5				C5			
A6				C6			
B1	2" E.H. PIPE X 72" LONG	40.00	8.00	D1			
B2	2" E.H. PIPE X 72" LONG	40.00	76.00	D2			
B3	2" E.H. PIPE X 72" LONG	40.00	127.00	D3			
B4	2" E.H. PIPE X 72" LONG	40.00	151.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	2.83
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	6.58
Please enter additional infomation or comments below.	

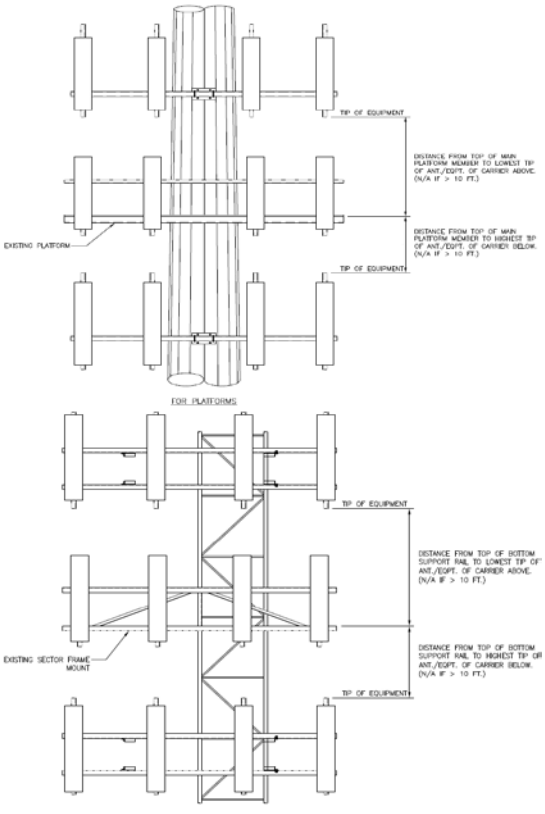
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	48
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	SC-E 6014	8.50	8.50	43.00		142.92	28.00	16.00	345.00	57,61
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SLXW 5512	14.00	10.00	56.00		142.92	28.00	16.00	345.00	56,60
Ant_{2c}										
Ant_{3a}	(2) RFS DIPLEXER					142.753	30.00	0.00		
Ant_{3b}	BXA-171063-12BF	6.00	4.00	72.00		142.92	28.00	16.00	0.00	55,59
Ant_{3c}										48,55
Ant_{4a}										
Ant_{4b}	SC-E 6014	8.50	8.50	43.00		142.92	28.00	16.00	345.00	55,61
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

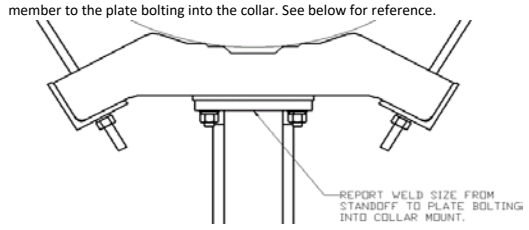
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	0.00	Deg	Leg A:		Deg
Sector B:	120.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	40.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}	GPS ANTENNA					145.253				54
Ant_{1b}	UNKNOWN	15.00	15.00	71.00		142.92	28.00	16.00	140.00	54,61
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SLXW 5512	14.00	10.00	56.00		142.92	28.00	16.00	140.00	55,60
Ant_{2c}										
Ant_{3a}	(2) RFS DIPLEXER					142.753	30.00	0.00		
Ant_{3b}	BXA-171063-12BF	6.00	4.00	72.00		142.92	28.00	16.00	130.00	52,59
Ant_{3c}										48,52
Ant_{4a}										
Ant_{4b}	UNKNOWN	15.00	15.00	71.00		142.92	28.00	16.00	140.00	52,61
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	SC-E 6014	8.50	8.50	43.00		142.92	28.00	16.00	240.00	51,61
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SLXW 5512	14.00	10.00	56.00		142.92	28.00	16.00	250.00	50,60
Ant_{2c}										
Ant_{3a}	(2) RFS DIPLEXER					142.753	30.00	0.00		
Ant_{3b}	BXA-171063-12BF	6.00	4.00	72.00		142.92	28.00	16.00	240.00	49,59
Ant_{3c}										48,49
Ant_{4a}										
Ant_{4b}	SC-E 6014	8.50	8.50	43.00		142.92	28.00	16.00	240.00	49,61
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

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

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

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

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	OTHER	**Mapping Date:**	4/28/2021
Site Name:	TORRINGTON S CT	**Tower Type:**	Monopole
Site Number or ID:	467790	**Tower Height (Ft.):**	160
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	141.92

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

5/3/2021

HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

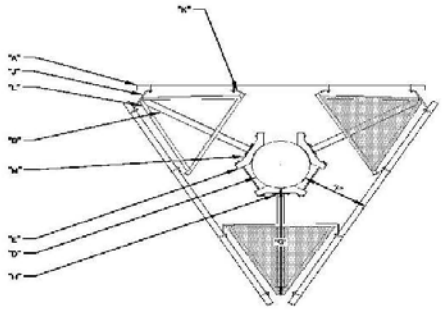
MOUNT MAPPING CHECKLIST

CARRIER:	COLLIER	SITE #:	Torrington S CT	SITE NAME:	
DATE:	4/28/2021	MAPPED BY:	JC	SITE OWNER:	CROWN CASTLE

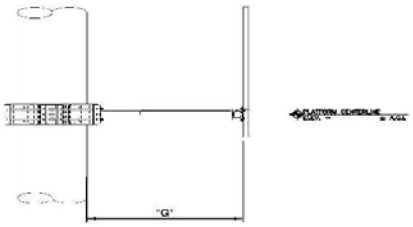
DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☐	ROUND MAST
SIZE		3-1/2"
LENGTH		159"
B: STAND OFF SIZE	☐	4"x 4"
C: ANTENNA PIPE MAST	☐	3/16"
DIA.		2-3/8"
LENGTH		72"
D: MONOPOLE DIA.	☐	48"
E: RINGMOUNT	☐	10"x 3/8"
F: TOWER TO FACE	☐	33"
G: TOWER TO APEX	☐	69"
H: HARDWARE	☐	5/8"Ø
I: U-BOLTS	☐	1/2"Ø
J: A PLATE	☐	6"x 12"x 3-1/2"x 1/2"
K: B PLATE	☐	6"x 5-1/2"x 3"x 3/8"
L: ANGLE	☐	2"X2"X3/16"
M: MOUNTING PLATE	☐	10"x 10"x 5/8"
N: ALPHA POS 1	☐	SC-E 6014
ALPHA POS 2	☐	SLXW 5512
ALPHA POS 3	☐	BXA-171063-12BF
ALPHA POS 4	☐	SC-E 6014
ALPHA POS 5		
O: BETA POS 1	☐	15-15-71
BETA POS 2	☐	SLXW 5512
BETA POS 3	☐	BXA-171063-12BF
BETA POS 4	☐	15-15-71
BETA POS 5		
P: GAMMA POS 1	☐	SC-E 6014
GAMMA POS 2	☐	SLXW 5512
GAMMA POS 3	☐	BXA-171063-12BF
GAMMA POS 4	☐	SC-E 6014
GAMMA POS 5		
Q: TMA	☐	(6) RFS Diplexers
R: RADIOS	☐	
S: SURGE	☐	
T: SECOND MOUNT	☐	

COMMENTS:

Legend



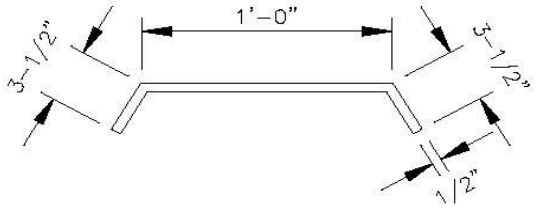
PLAN



ELEVATION

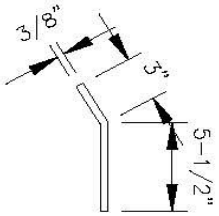
FACE SKETCH

Please Insert Sketches of the Antenna Mount, cont'd



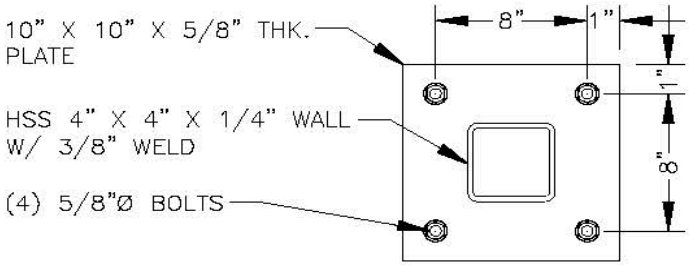
DETAIL J

APEX "A" PLATE DETAIL

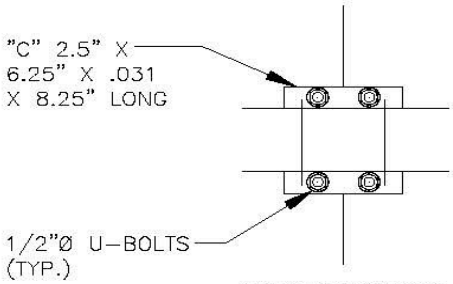


DETAIL K

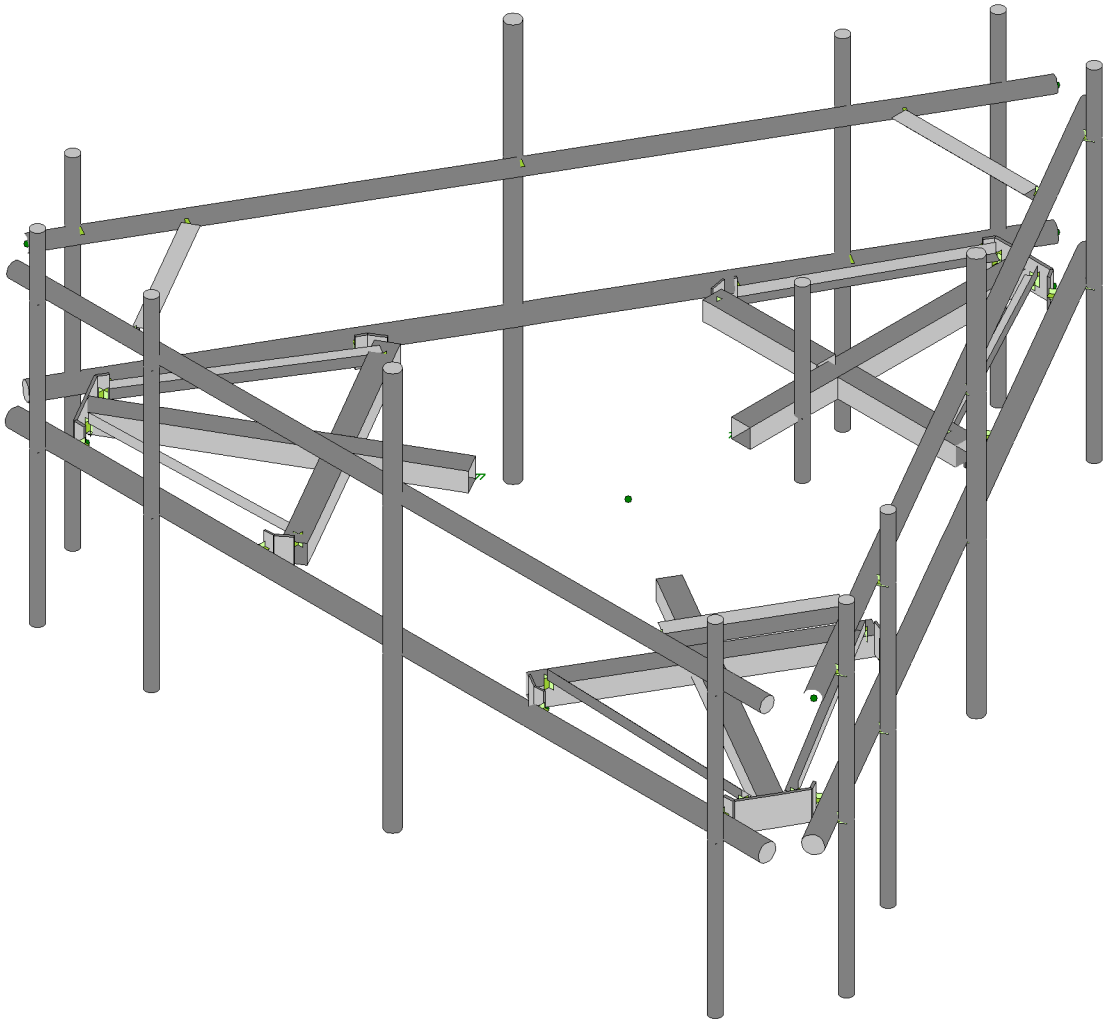
"B" PLATE DETAIL



DETAIL M

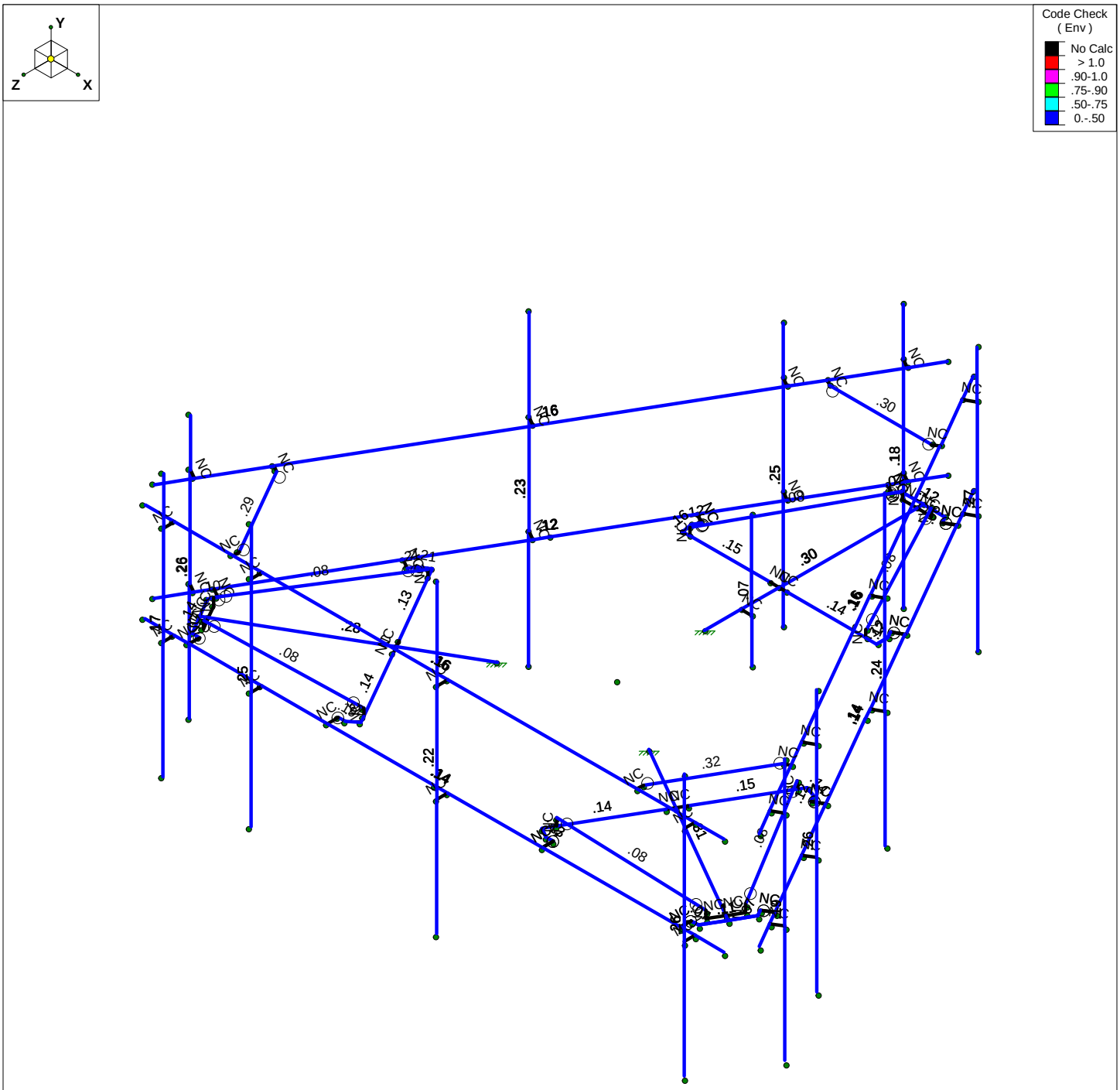


CROSSOVER PLATE DETAIL



Envelope Only Solution

		SK - 1
		Aug 9, 2021 at 3:57 PM
		MOD_467790-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
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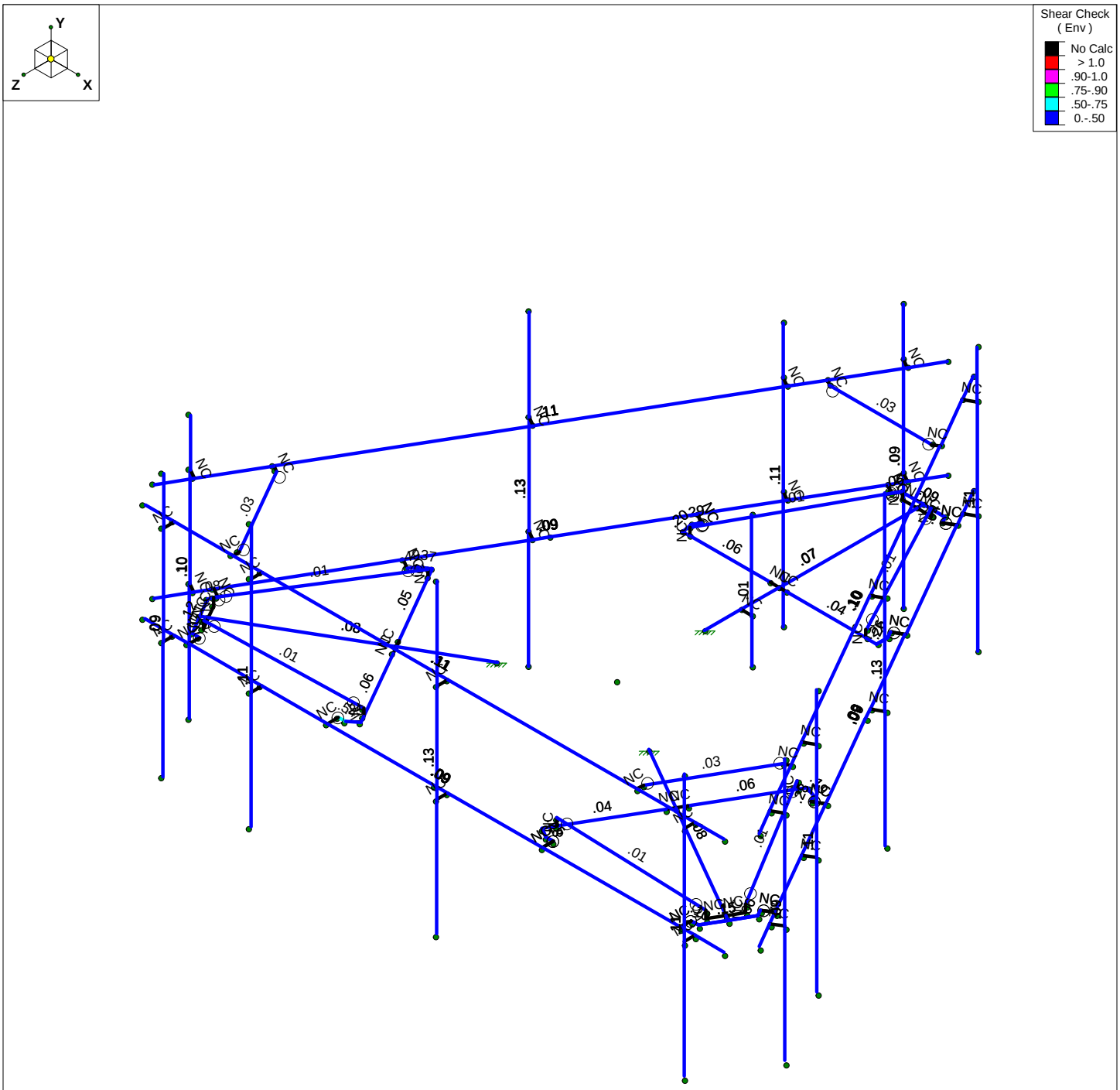
		MOD_467790-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		Aug 9, 2021 at 3:58 PM
		MOD_467790-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 De...	None					93			
32	Antenna Wm (150 De...	None					93			
33	Antenna Wm (180 De...	None					93			
34	Antenna Wm (210 De...	None					93			
35	Antenna Wm (240 De...	None					93			
36	Antenna Wm (270 De...	None					93			
37	Antenna Wm (300 De...	None					93			
38	Antenna Wm (330 De...	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						72	3	
41	Structure Wo (0 Deg)	None						144		
42	Structure Wo (30 Deg)	None						144		
43	Structure Wo (60 Deg)	None						144		
44	Structure Wo (90 Deg)	None						144		
45	Structure Wo (120 D...	None						144		
46	Structure Wo (150 D...	None						144		
47	Structure Wo (180 D...	None						144		
48	Structure Wo (210 D...	None						144		
49	Structure Wo (240 D...	None						144		
50	Structure Wo (270 D...	None						144		
51	Structure Wo (300 D...	None						144		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						144		
53	Structure Wi (0 Deg)	None						144		
54	Structure Wi (30 Deg)	None						144		
55	Structure Wi (60 Deg)	None						144		
56	Structure Wi (90 Deg)	None						144		
57	Structure Wi (120 De...	None						144		
58	Structure Wi (150 De...	None						144		
59	Structure Wi (180 De...	None						144		
60	Structure Wi (210 De...	None						144		
61	Structure Wi (240 De...	None						144		
62	Structure Wi (270 De...	None						144		
63	Structure Wi (300 De...	None						144		
64	Structure Wi (330 De...	None						144		
65	Structure Wm (0 Deg)	None						144		
66	Structure Wm (30 D...	None						144		
67	Structure Wm (60 D...	None						144		
68	Structure Wm (90 D...	None						144		
69	Structure Wm (120 ...	None						144		
70	Structure Wm (150 ...	None						144		
71	Structure Wm (180 ...	None						144		
72	Structure Wm (210 ...	None						144		
73	Structure Wm (240 ...	None						144		
74	Structure Wm (270 ...	None						144		
75	Structure Wm (300 ...	None						144		
76	Structure Wm (330 ...	None						144		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						27		
82	BLC 40 Transient Are...	None						27		

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0	0	0	0	
2	N2	0.	0	4.166667	0	
3	N3	6.625	0	4.166667	0	
4	N4	-6.625	0	4.166667	0	
5	N6	3.608439	0	-2.083333	0	
6	N7	0.295939	0	-7.820752	0	
7	N8	6.920939	0	3.654085	0	
8	N10	-3.608439	0	-2.083333	0	
9	N11	-6.920939	0	3.654085	0	
10	N12	-0.295939	0	-7.820752	0	
11	N11A	-5.625	0	4.166667	0	
12	N12A	5.625	0	4.166667	0	
13	N13	2.458333	0	4.166667	0	
14	N14	-2.458333	0	4.166667	0	
15	N15	-5.625	0	3.916667	0	
16	N16	5.625	0	3.916667	0	
17	N17	2.458333	0	3.916667	0	
18	N18	-2.458333	0	3.916667	0	
19	N19	-5.791667	0	3.916667	0	
20	N20	5.791667	0	3.916667	0	
21	N21	-2.291667	0	3.916667	0	
22	N22	2.291667	0	3.916667	0	
23	N23	-2.100156	0	3.75597	0	
24	N24	2.07516	0	3.791667	0	
25	N26	6.420939	0	2.78806	0	
26	N27	0.795939	0	-6.954726	0	
27	N28	2.379273	0	-4.212312	0	
28	N29	4.837606	0	0.045646	0	
29	N30	6.204433	0	2.91306	0	
30	N31	0.579433	0	-6.829726	0	
31	N32	2.162766	0	-4.087312	0	
32	N33	4.621099	0	0.170646	0	
33	N34	6.287766	0	3.057397	0	
34	N35	0.496099	0	-6.974064	0	
35	N36	4.537766	0	0.026308	0	
36	N37	2.246099	0	-3.942975	0	
37	N38	4.302843	0	-0.059197	0	
38	N39	2.246099	0	-3.692975	0	
39	N41	-0.795939	0	-6.954726	0	
40	N42	-6.420939	0	2.78806	0	
41	N43	-4.837606	0	0.045646	0	
42	N44	-2.379273	0	-4.212312	0	
43	N45	-0.579433	0	-6.829726	0	
44	N46	-6.204433	0	2.91306	0	
45	N47	-4.621099	0	0.170646	0	
46	N48	-2.162766	0	-4.087312	0	
47	N49	-0.496099	0	-6.974064	0	
48	N50	-6.287766	0	3.057397	0	
49	N51	-2.246099	0	-3.942975	0	
50	N52	-4.537766	0	0.026308	0	
51	N53	-2.202687	0	-3.696773	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N54	-4.32126	0	-0.098692	0	
53	N58	-0.	0	-2	0	
54	N60	-1.732051	0	1	0	
55	N62	1.732051	0	1	0	
56	N61	-6.039716	0	3.487032	0	
57	N57	-3.199871	0	1.847446	0	
58	N58A	-2.183366	0	3.611561	0	
59	N59	-3.098676	0	2.023066	0	
60	N60A	-4.198392	0	0.114542	0	
61	N61A	-3.283081	0	1.703038	0	
62	N62A	-5.91784	0	3.416667	0	
63	N63	-6.084507	0	3.127992	0	
64	N64	-5.751174	0	3.705342	0	
65	N65	-2.183366	0.166667	3.611561	0	
66	N66	-4.198392	0.166667	0.114542	0	
67	N67	-6.084507	0.166667	3.127992	0	
68	N68	-5.751174	0.166667	3.705342	0	
69	N85	6.039716	0	3.487032	0	
70	N86	3.199871	0	1.847446	0	
71	N87	4.219386	0	0.08507	0	
72	N88	3.301365	0	1.672	0	
73	N89	2.198392	0	3.578643	0	
74	N90	3.116414	0	1.991713	0	
75	N91	5.91784	0	3.416667	0	
76	N92	5.751174	0	3.705342	0	
77	N93	6.084507	0	3.127992	0	
78	N94	4.219386	0.166667	0.08507	0	
79	N95	2.198392	0.166667	3.578643	0	
80	N96	5.751174	0.166667	3.705342	0	
81	N97	6.084507	0.166667	3.127992	0	
82	N114	-0.	0	-6.974064	0	
83	N115	-0.	0	-3.694892	0	
84	N116	-2.036021	0	-3.696631	0	
85	N117	-0.202688	0	-3.695065	0	
86	N118	1.999999	0	-3.693185	0	
87	N119	0.166667	0	-3.69475	0	
88	N120	-0.	0	-6.833333	0	
89	N121	0.333333	0	-6.833333	0	
90	N122	-0.333333	0	-6.833333	0	
91	N123	-2.036021	0.166667	-3.696631	0	
92	N124	1.999999	0.166667	-3.693185	0	
93	N125	0.333333	0.166667	-6.833333	0	
94	N126	-0.333333	0.166667	-6.833333	0	
95	N95A	5.958333	0	4.166667	0	
96	N96A	0.291667	0	4.166667	0	
97	N97A	-3.958333	0	4.166667	0	
98	N98	-5.958333	0	4.166667	0	
99	N99	5.958333	0	4.416667	0	
100	N100	0.291667	0	4.416667	0	
101	N101	-3.958333	0	4.416667	0	
102	N102	-5.958333	0	4.416667	0	
103	N103	5.958333	3.333333	4.416667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104	0.291667	4.333333	4.416667	0	
105	N105	-3.958333	3.333333	4.416667	0	
106	N106	-5.958333	3.333333	4.416667	0	
107	N107	5.958333	-2.666667	4.416667	0	
108	N108	0.291667	-2.666667	4.416667	0	
109	N109	-3.958333	-2.666667	4.416667	0	
110	N110	-5.958333	-2.666667	4.416667	0	
111	N112	0.629273	0	-7.243401	0	
112	N113	3.462606	0	-2.335924	0	
113	N114A	5.587606	0	1.344684	0	
114	N115A	6.587606	0	3.076735	0	
115	N116A	0.845779	0	-7.368401	0	
116	N117A	3.679112	0	-2.460924	0	
117	N118A	5.804112	0	1.219684	0	
118	N119A	6.804112	0	2.951735	0	
119	N120A	0.845779	3.333333	-7.368401	0	
120	N121A	3.679112	4.333333	-2.460924	0	
121	N122A	5.804112	3.333333	1.219684	0	
122	N123A	6.804112	3.333333	2.951735	0	
123	N124A	0.845779	-2.666667	-7.368401	0	
124	N125A	3.679112	-2.666667	-2.460924	0	
125	N126A	5.804112	-2.666667	1.219684	0	
126	N127	6.804112	-2.666667	2.951735	0	
127	N129	-6.587606	0	3.076735	0	
128	N130	-3.754273	0	-1.830743	0	
129	N131	-1.629273	0	-5.511351	0	
130	N132	-0.629273	0	-7.243401	0	
131	N133	-6.804112	0	2.951735	0	
132	N134	-3.970779	0	-1.955743	0	
133	N135	-1.845779	0	-5.636351	0	
134	N136	-0.845779	0	-7.368401	0	
135	N137	-6.804112	3.333333	2.951735	0	
136	N138	-3.970779	4.333333	-1.955743	0	
137	N139	-1.845779	3.333333	-5.636351	0	
138	N140	-0.845779	3.333333	-7.368401	0	
139	N141	-6.804112	-2.666667	2.951735	0	
140	N142	-3.970779	-2.666667	-1.955743	0	
141	N143	-1.845779	-2.666667	-5.636351	0	
142	N144	-0.845779	-2.666667	-7.368401	0	
143	N143A	-0.	0	-2.833333	0	
144	N144A	.25	0	-2.833333	0	
145	N145	.25	2	-2.833333	0	
146	N146	.25	-1	-2.833333	0	
147	N147	6.625	2.25	4.166667	0	
148	N148	-6.625	2.25	4.166667	0	
149	N149	5.958333	2.25	4.166667	0	
150	N150	0.291667	2.25	4.166667	0	
151	N151	-3.958333	2.25	4.166667	0	
152	N152	-5.958333	2.25	4.166667	0	
153	N153	5.958333	2.25	4.416667	0	
154	N154	0.291667	2.25	4.416667	0	
155	N155	-3.958333	2.25	4.416667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N156	-5.958333	2.25	4.416667	0	
157	N157	-4.625	2.25	4.166667	0	
158	N158	-4.625	2.25	4.016667	0	
159	N159	4.625	2.25	4.166667	0	
160	N160	4.625	2.25	4.016667	0	
161	N161	0.295939	2.25	-7.820752	0	
162	N162	6.920939	2.25	3.654085	0	
163	N163	0.629273	2.25	-7.243401	0	
164	N164	3.462606	2.25	-2.335924	0	
165	N165	5.587606	2.25	1.344684	0	
166	N166	6.587606	2.25	3.076735	0	
167	N167	0.845779	2.25	-7.368401	0	
168	N168	3.679112	2.25	-2.460924	0	
169	N169	5.804112	2.25	1.219684	0	
170	N170	6.804112	2.25	2.951735	0	
171	N171	5.920939	2.25	1.922034	0	
172	N172	5.791035	2.25	1.997034	0	
173	N173	1.295939	2.25	-6.088701	0	
174	N174	1.166035	2.25	-6.013701	0	
175	N175	-6.920939	2.25	3.654085	0	
176	N176	-0.295939	2.25	-7.820752	0	
177	N177	-6.587606	2.25	3.076735	0	
178	N178	-3.754273	2.25	-1.830743	0	
179	N179	-1.629273	2.25	-5.511351	0	
180	N180	-0.629273	2.25	-7.243401	0	
181	N181	-6.804112	2.25	2.951735	0	
182	N182	-3.970779	2.25	-1.955743	0	
183	N183	-1.845779	2.25	-5.636351	0	
184	N184	-0.845779	2.25	-7.368401	0	
185	N185	-1.295939	2.25	-6.088701	0	
186	N186	-1.166035	2.25	-6.013701	0	
187	N187	-5.920939	2.25	1.922034	0	
188	N188	-5.791035	2.25	1.997034	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Ru...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossme...	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	OVP Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N4	N3			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M2	N8	N7			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
3	M3	N12	N11			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
4	M4	N11A	N15			RIGID	None	None	RIGID	Typical
5	M5	N14	N18			RIGID	None	None	RIGID	Typical
6	M6	N13	N17			RIGID	None	None	RIGID	Typical
7	M7	N12A	N16			RIGID	None	None	RIGID	Typical
8	M8	N15	N19			Corner Plate	Beam	RECT	A36 Gr.36	Typical
9	M9	N16	N20			Corner Plate	Beam	RECT	A36 Gr.36	Typical
10	M10	N17	N22			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
11	M11	N18	N21			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
12	M12	N21	N23			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M13	N22	N24			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M14	N26	N30			RIGID	None	None	RIGID	Typical
15	M15	N29	N33			RIGID	None	None	RIGID	Typical
16	M16	N28	N32			RIGID	None	None	RIGID	Typical
17	M17	N27	N31			RIGID	None	None	RIGID	Typical
18	M18	N30	N34			Corner Plate	Beam	RECT	A36 Gr.36	Typical
19	M19	N31	N35			Corner Plate	Beam	RECT	A36 Gr.36	Typical
20	M20	N32	N37			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M21	N33	N36			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M22	N36	N38			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M23	N37	N39			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
24	M24	N41	N45			RIGID	None	None	RIGID	Typical
25	M25	N44	N48			RIGID	None	None	RIGID	Typical
26	M26	N43	N47			RIGID	None	None	RIGID	Typical
27	M27	N42	N46			RIGID	None	None	RIGID	Typical
28	M28	N45	N49			Corner Plate	Beam	RECT	A36 Gr.36	Typical
29	M29	N46	N50			Corner Plate	Beam	RECT	A36 Gr.36	Typical
30	M30	N47	N52			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
31	M31	N48	N51			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
32	M32	N51	N53			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
33	M33	N52	N54			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
34	M34	N19	N50			Corner Plate	Beam	RECT	A36 Gr.36	Typical
35	M35	N20	N34			Corner Plate	Beam	RECT	A36 Gr.36	Typical
36	M36	N35	N49			Corner Plate	Beam	RECT	A36 Gr.36	Typical
37	M41	N60	N61			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
38	M39	N57	N61A			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
39	M39A	N23	N59			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
40	M40	N59	N57			RIGID	None	None	RIGID	Typical
41	M41A	N61A	N54			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
42	M42	N64	N62A			RIGID	None	None	RIGID	Typical
43	M43	N62A	N63			RIGID	None	None	RIGID	Typical
44	M44	N64	N68			RIGID	None	None	RIGID	Typical
45	M45	N63	N67			RIGID	None	None	RIGID	Typical
46	M46	N58A	N65			RIGID	None	None	RIGID	Typical
47	M47	N60A	N66			RIGID	None	None	RIGID	Typical
48	M48	N65	N68			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
49	M49	N66	N67		90	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
50	M50	N26	N30			RIGID	None	None	RIGID	Typical
51	M51	N29	N33			RIGID	None	None	RIGID	Typical
52	M52	N30	N34			Corner Plate	Beam	RECT	A36 Gr.36	Typical
53	M53	N33	N36			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
54	M54	N36	N38			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
55	M55	N13	N17			RIGID	None	None	RIGID	Typical
56	M56	N12A	N16			RIGID	None	None	RIGID	Typical
57	M57	N16	N20			Corner Plate	Beam	RECT	A36 Gr.36	Typical
58	M58	N17	N22			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
59	M59	N22	N24			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
60	M60	N34	N20			Corner Plate	Beam	RECT	A36 Gr.36	Typical
61	M61	N62	N85			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
62	M62	N86	N90			RIGID	None	None	RIGID	Typical
63	M63	N38	N88			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
64	M64	N88	N86			RIGID	None	None	RIGID	Typical
65	M65	N90	N24			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
66	M66	N93	N91			RIGID	None	None	RIGID	Typical
67	M67	N91	N92			RIGID	None	None	RIGID	Typical
68	M68	N93	N97			RIGID	None	None	RIGID	Typical
69	M69	N92	N96			RIGID	None	None	RIGID	Typical
70	M70	N87	N94			RIGID	None	None	RIGID	Typical
71	M71	N89	N95			RIGID	None	None	RIGID	Typical
72	M72	N94	N97			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
73	M73	N95	N96		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
74	M74	N41	N45			RIGID	None	None	RIGID	Typical
75	M75	N44	N48			RIGID	None	None	RIGID	Typical
76	M76	N45	N49			Corner Plate	Beam	RECT	A36 Gr.36	Typical
77	M77	N48	N51			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
78	M78	N51	N53			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
79	M79	N28	N32			RIGID	None	None	RIGID	Typical
80	M80	N27	N31			RIGID	None	None	RIGID	Typical
81	M81	N31	N35			Corner Plate	Beam	RECT	A36 Gr.36	Typical
82	M82	N32	N37			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
83	M83	N37	N39			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
84	M84	N49	N35			Corner Plate	Beam	RECT	A36 Gr.36	Typical
85	M85	N58	N114			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
86	M86	N115	N119			RIGID	None	None	RIGID	Typical
87	M87	N53	N117			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
88	M88	N117	N115			RIGID	None	None	RIGID	Typical
89	M89	N119	N39			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
90	M90	N122	N120			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
91	M91	N120	N121			RIGID	None	None	RIGID	Typical
92	M92	N122	N126			RIGID	None	None	RIGID	Typical
93	M93	N121	N125			RIGID	None	None	RIGID	Typical
94	M94	N116	N123			RIGID	None	None	RIGID	Typical
95	M95	N118	N124			RIGID	None	None	RIGID	Typical
96	M96	N123	N126			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
97	M97	N124	N125		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
98	M98	N95A	N99			RIGID	None	None	RIGID	Typical
99	M99	N96A	N100			RIGID	None	None	RIGID	Typical
100	M100	N97A	N101			RIGID	None	None	RIGID	Typical
101	M101	N98	N102			RIGID	None	None	RIGID	Typical
102	MP1A	N103	N107			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	MP2A	N104	N108			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	MP3A	N105	N109			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	MP4A	N106	N110			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M106	N112	N116A			RIGID	None	None	RIGID	Typical
107	M107	N113	N117A			RIGID	None	None	RIGID	Typical
108	M108	N114A	N118A			RIGID	None	None	RIGID	Typical
109	M109	N115A	N119A			RIGID	None	None	RIGID	Typical
110	MP1C	N120A	N124A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
111	MP2C	N121A	N125A			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	MP3C	N122A	N126A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
113	MP4C	N123A	N127			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
114	M114	N129	N133			RIGID	None	None	RIGID	Typical
115	M115	N130	N134			RIGID	None	None	RIGID	Typical
116	M116	N131	N135			RIGID	None	None	RIGID	Typical
117	M117	N132	N136			RIGID	None	None	RIGID	Typical
118	MP1B	N137	N141			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
119	MP2B	N138	N142			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
120	MP3B	N139	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
121	MP4B	N140	N144			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
122	M122	N145	N146			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
123	M123	N143A	N144A			RIGID	None	None	RIGID	Typical
124	M124	N148	N147			Support Rail	Beam	Pipe	A53 Gr.B	Typical
125	M125	N149	N153			RIGID	None	None	RIGID	Typical
126	M126	N150	N154			RIGID	None	None	RIGID	Typical
127	M127	N151	N155			RIGID	None	None	RIGID	Typical
128	M128	N152	N156			RIGID	None	None	RIGID	Typical
129	M129	N157	N158			RIGID	None	None	RIGID	Typical
130	M130	N159	N160			RIGID	None	None	RIGID	Typical
131	M131	N162	N161			Support Rail	Beam	Pipe	A53 Gr.B	Typical
132	M132	N163	N167			RIGID	None	None	RIGID	Typical
133	M133	N164	N168			RIGID	None	None	RIGID	Typical
134	M134	N165	N169			RIGID	None	None	RIGID	Typical
135	M135	N166	N170			RIGID	None	None	RIGID	Typical
136	M136	N171	N172			RIGID	None	None	RIGID	Typical
137	M137	N173	N174			RIGID	None	None	RIGID	Typical
138	M138	N176	N175			Support Rail	Beam	Pipe	A53 Gr.B	Typical
139	M139	N177	N181			RIGID	None	None	RIGID	Typical
140	M140	N178	N182			RIGID	None	None	RIGID	Typical
141	M141	N179	N183			RIGID	None	None	RIGID	Typical
142	M142	N180	N184			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
143	M143	N185	N186			RIGID	None	None	RIGID	Typical
144	M144	N187	N188			RIGID	None	None	RIGID	Typical
145	M145	N158	N188		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
146	M146	N186	N174		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
147	M147	N172	N160		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	13.25			Lbyy						Lateral
2	M2	Face Horizo...	13.25			Lbyy						Lateral
3	M3	Face Horizo...	13.25			Lbyy						Lateral
4	M8	Corner Plate	.167			Lbyy						Lateral
5	M9	Corner Plate	.167			Lbyy						Lateral
6	M10	Cross Arm ...	.167									Lateral
7	M11	Cross Arm ...	.167									Lateral
8	M12	Cross Arm ...	.25									Lateral
9	M13	Cross Arm ...	.25									Lateral
10	M18	Corner Plate	.167			Lbyy						Lateral
11	M19	Corner Plate	.167			Lbyy						Lateral
12	M20	Cross Arm ...	.167									Lateral
13	M21	Cross Arm ...	.167									Lateral
14	M22	Cross Arm ...	.25									Lateral
15	M23	Cross Arm ...	.25									Lateral
16	M28	Corner Plate	.167			Lbyy						Lateral
17	M29	Corner Plate	.167			Lbyy						Lateral
18	M30	Cross Arm ...	.167									Lateral
19	M31	Cross Arm ...	.167									Lateral
20	M32	Cross Arm ...	.25									Lateral
21	M33	Cross Arm ...	.25									Lateral
22	M34	Corner Plate	.992			Lbyy						Lateral
23	M35	Corner Plate	.992			Lbyy						Lateral
24	M36	Corner Plate	.992			Lbyy						Lateral
25	M41	Standoff Ho...	4.974			Lbyy						Lateral
26	M39A	Platform Cr...	2			Lbyy						Lateral
27	M41A	Platform Cr...	2.079			Lbyy						Lateral
28	M48	Grating Sup...	3.569			Lbyy						Lateral
29	M49	Grating Sup...	3.555			Lbyy						Lateral
30	M52	Corner Plate	.167			Lbyy						Lateral
31	M53	Cross Arm ...	.167									Lateral
32	M54	Cross Arm ...	.25									Lateral
33	M57	Corner Plate	.167			Lbyy						Lateral
34	M58	Cross Arm ...	.167									Lateral
35	M59	Cross Arm ...	.25									Lateral
36	M60	Corner Plate	.992			Lbyy						Lateral
37	M61	Standoff Ho...	4.974			Lbyy						Lateral
38	M63	Platform Cr...	2			Lbyy						Lateral
39	M65	Platform Cr...	2.079			Lbyy						Lateral
40	M72	Grating Sup...	3.569			Lbyy						Lateral
41	M73	Grating Sup...	3.555			Lbyy						Lateral
42	M76	Corner Plate	.167			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
43	M77	Cross Arm ...	.167									Lateral
44	M78	Cross Arm ...	.25									Lateral
45	M81	Corner Plate	.167			Lbyy						Lateral
46	M82	Cross Arm ...	.167									Lateral
47	M83	Cross Arm ...	.25									Lateral
48	M84	Corner Plate	.992			Lbyy						Lateral
49	M85	Standoff Ho...	4.974			Lbyy						Lateral
50	M87	Platform Cr...	2			Lbyy						Lateral
51	M89	Platform Cr...	2.079			Lbyy						Lateral
52	M96	Grating Sup...	3.569			Lbyy						Lateral
53	M97	Grating Sup...	3.555			Lbyy						Lateral
54	MP1A	Mount Pipe	6									Lateral
55	MP2A	Dual Mount ...	7									Lateral
56	MP3A	Mount Pipe	6									Lateral
57	MP4A	Mount Pipe	6									Lateral
58	MP1C	Mount Pipe	6									Lateral
59	MP2C	Dual Mount ...	7									Lateral
60	MP3C	Mount Pipe	6									Lateral
61	MP4C	Mount Pipe	6									Lateral
62	MP1B	Mount Pipe	6									Lateral
63	MP2B	Dual Mount ...	7									Lateral
64	MP3B	Mount Pipe	6									Lateral
65	MP4B	Mount Pipe	6									Lateral
66	M122	OVP Pipe	3									Lateral
67	M124	Support Rail	13.25			Lbyy						Lateral
68	M131	Support Rail	13.25			Lbyy						Lateral
69	M138	Support Rail	13.25			Lbyy						Lateral
70	M145	Support Rail...	2.332			Lbyy						Lateral
71	M146	Support Rail...	2.332			Lbyy						Lateral
72	M147	Support Rail...	2.332			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-2.45	1.25
2	MP3A	My	-.001	1.25
3	MP3A	Mz	0	1.25
4	MP3A	Y	-2.45	3.25
5	MP3A	My	-.001	3.25
6	MP3A	Mz	0	3.25
7	MP3B	Y	-2.45	1.25
8	MP3B	My	.000787	1.25
9	MP3B	Mz	-.000938	1.25
10	MP3B	Y	-2.45	3.25
11	MP3B	My	.000787	3.25
12	MP3B	Mz	-.000938	3.25
13	MP3C	Y	-2.45	1.25
14	MP3C	My	.000419	1.25
15	MP3C	Mz	.001	1.25
16	MP3C	Y	-2.45	3.25
17	MP3C	My	.000419	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mz	.001	3.25
19	MP2A	Y	-32.5	.25
20	MP2A	My	-.016	.25
21	MP2A	Mz	.019	.25
22	MP2A	Y	-32.5	4.25
23	MP2A	My	-.016	4.25
24	MP2A	Mz	.019	4.25
25	MP2B	Y	-32.5	.25
26	MP2B	My	-.004	.25
27	MP2B	Mz	-.025	.25
28	MP2B	Y	-32.5	4.25
29	MP2B	My	-.004	4.25
30	MP2B	Mz	-.025	4.25
31	MP2C	Y	-32.5	.25
32	MP2C	My	.023	.25
33	MP2C	Mz	.009	.25
34	MP2C	Y	-32.5	4.25
35	MP2C	My	.023	4.25
36	MP2C	Mz	.009	4.25
37	MP2A	Y	-32.5	.25
38	MP2A	My	-.016	.25
39	MP2A	Mz	-.019	.25
40	MP2A	Y	-32.5	4.25
41	MP2A	My	-.016	4.25
42	MP2A	Mz	-.019	4.25
43	MP2B	Y	-32.5	.25
44	MP2B	My	.025	.25
45	MP2B	Mz	-.000262	.25
46	MP2B	Y	-32.5	4.25
47	MP2B	My	.025	4.25
48	MP2B	Mz	-.000262	4.25
49	MP2C	Y	-32.5	.25
50	MP2C	My	-.012	.25
51	MP2C	Mz	.022	.25
52	MP2C	Y	-32.5	4.25
53	MP2C	My	-.012	4.25
54	MP2C	Mz	.022	4.25
55	MP1A	Y	-43.55	1.25
56	MP1A	My	-.022	1.25
57	MP1A	Mz	0	1.25
58	MP1A	Y	-43.55	3.25
59	MP1A	My	-.022	3.25
60	MP1A	Mz	0	3.25
61	MP1B	Y	-43.55	1.25
62	MP1B	My	.014	1.25
63	MP1B	Mz	-.017	1.25
64	MP1B	Y	-43.55	3.25
65	MP1B	My	.014	3.25
66	MP1B	Mz	-.017	3.25
67	MP1C	Y	-43.55	1.25
68	MP1C	My	.011	1.25
69	MP1C	Mz	.019	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	Y	-43.55	3.25
71	MP1C	My	.011	3.25
72	MP1C	Mz	.019	3.25
73	M122	Y	-32	1
74	M122	My	0	1
75	M122	Mz	0	1
76	MP2A	Y	-84.4	1
77	MP2A	My	.042	1
78	MP2A	Mz	0	1
79	MP2B	Y	-84.4	1
80	MP2B	My	-.027	1
81	MP2B	Mz	.032	1
82	MP2C	Y	-84.4	1
83	MP2C	My	-.014	1
84	MP2C	Mz	-.04	1
85	MP3A	Y	-70.3	1
86	MP3A	My	.035	1
87	MP3A	Mz	0	1
88	MP3B	Y	-70.3	1
89	MP3B	My	-.023	1
90	MP3B	Mz	.027	1
91	MP3C	Y	-70.3	1
92	MP3C	My	-.012	1
93	MP3C	Mz	-.033	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-18.653	1.25
2	MP3A	My	-.009	1.25
3	MP3A	Mz	0	1.25
4	MP3A	Y	-18.653	3.25
5	MP3A	My	-.009	3.25
6	MP3A	Mz	0	3.25
7	MP3B	Y	-18.653	1.25
8	MP3B	My	.006	1.25
9	MP3B	Mz	-.007	1.25
10	MP3B	Y	-18.653	3.25
11	MP3B	My	.006	3.25
12	MP3B	Mz	-.007	3.25
13	MP3C	Y	-18.653	1.25
14	MP3C	My	.003	1.25
15	MP3C	Mz	.009	1.25
16	MP3C	Y	-18.653	3.25
17	MP3C	My	.003	3.25
18	MP3C	Mz	.009	3.25
19	MP2A	Y	-68.962	.25
20	MP2A	My	-.034	.25
21	MP2A	Mz	.04	.25
22	MP2A	Y	-68.962	4.25
23	MP2A	My	-.034	4.25
24	MP2A	Mz	.04	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	Y	-68.962	.25
26	MP2B	My	-.009	.25
27	MP2B	Mz	-.052	.25
28	MP2B	Y	-68.962	4.25
29	MP2B	My	-.009	4.25
30	MP2B	Mz	-.052	4.25
31	MP2C	Y	-68.962	.25
32	MP2C	My	.05	.25
33	MP2C	Mz	.019	.25
34	MP2C	Y	-68.962	4.25
35	MP2C	My	.05	4.25
36	MP2C	Mz	.019	4.25
37	MP2A	Y	-68.962	.25
38	MP2A	My	-.034	.25
39	MP2A	Mz	-.04	.25
40	MP2A	Y	-68.962	4.25
41	MP2A	My	-.034	4.25
42	MP2A	Mz	-.04	4.25
43	MP2B	Y	-68.962	.25
44	MP2B	My	.053	.25
45	MP2B	Mz	-.000556	.25
46	MP2B	Y	-68.962	4.25
47	MP2B	My	.053	4.25
48	MP2B	Mz	-.000556	4.25
49	MP2C	Y	-68.962	.25
50	MP2C	My	-.026	.25
51	MP2C	Mz	.046	.25
52	MP2C	Y	-68.962	4.25
53	MP2C	My	-.026	4.25
54	MP2C	Mz	.046	4.25
55	MP1A	Y	-35.636	1.25
56	MP1A	My	-.018	1.25
57	MP1A	Mz	0	1.25
58	MP1A	Y	-35.636	3.25
59	MP1A	My	-.018	3.25
60	MP1A	Mz	0	3.25
61	MP1B	Y	-35.636	1.25
62	MP1B	My	.011	1.25
63	MP1B	Mz	-.014	1.25
64	MP1B	Y	-35.636	3.25
65	MP1B	My	.011	3.25
66	MP1B	Mz	-.014	3.25
67	MP1C	Y	-35.636	1.25
68	MP1C	My	.009	1.25
69	MP1C	Mz	.015	1.25
70	MP1C	Y	-35.636	3.25
71	MP1C	My	.009	3.25
72	MP1C	Mz	.015	3.25
73	M122	Y	-87.967	1
74	M122	My	0	1
75	M122	Mz	0	1
76	MP2A	Y	-44.929	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2A	My	.022	1
78	MP2A	Mz	0	1
79	MP2B	Y	-44.929	1
80	MP2B	My	-.014	1
81	MP2B	Mz	.017	1
82	MP2C	Y	-44.929	1
83	MP2C	My	-.008	1
84	MP2C	Mz	-.021	1
85	MP3A	Y	-40.405	1
86	MP3A	My	.02	1
87	MP3A	Mz	0	1
88	MP3B	Y	-40.405	1
89	MP3B	My	-.013	1
90	MP3B	Mz	.015	1
91	MP3C	Y	-40.405	1
92	MP3C	My	-.007	1
93	MP3C	Mz	-.019	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-33.616	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-33.616	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-22.639	1.25
9	MP3B	Mx	.009	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-22.639	3.25
12	MP3B	Mx	.009	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-17.098	1.25
15	MP3C	Mx	-.008	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-17.098	3.25
18	MP3C	Mx	-.008	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-123.106	.25
21	MP2A	Mx	-.072	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-123.106	4.25
24	MP2A	Mx	-.072	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-111.288	.25
27	MP2B	Mx	.084	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-111.288	4.25
30	MP2B	Mx	.084	4.25
31	MP2C	X	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	-105.322	.25
33	MP2C	Mx	-.028	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-105.322	4.25
36	MP2C	Mx	-.028	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-123.106	.25
39	MP2A	Mx	.072	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-123.106	4.25
42	MP2A	Mx	.072	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-111.288	.25
45	MP2B	Mx	.000897	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-111.288	4.25
48	MP2B	Mx	.000897	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-105.322	.25
51	MP2C	Mx	-.07	.25
52	MP2C	X	0	4.25
53	MP2C	Z	-105.322	4.25
54	MP2C	Mx	-.07	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	-71.168	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	-71.168	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	-45.755	1.25
63	MP1B	Mx	.018	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	-45.755	3.25
66	MP1B	Mx	.018	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	-38.689	1.25
69	MP1C	Mx	-.017	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	-38.689	3.25
72	MP1C	Mx	-.017	3.25
73	M122	X	0	1
74	M122	Z	-122.075	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	-56.632	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	-45.613	1
81	MP2B	Mx	-.017	1
82	MP2C	X	0	1
83	MP2C	Z	-40.052	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2C	Mx	.019	1
85	MP3A	X	0	1
86	MP3A	Z	-56.632	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	-41.393	1
90	MP3B	Mx	-.016	1
91	MP3C	X	0	1
92	MP3C	Z	-33.701	1
93	MP3C	Mx	.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.47	1.25
2	MP3A	Z	-25.062	1.25
3	MP3A	Mx	-.007	1.25
4	MP3A	X	14.47	3.25
5	MP3A	Z	-25.062	3.25
6	MP3A	Mx	-.007	3.25
7	MP3B	X	7.737	1.25
8	MP3B	Z	-13.401	1.25
9	MP3B	Mx	.008	1.25
10	MP3B	X	7.737	3.25
11	MP3B	Z	-13.401	3.25
12	MP3B	Mx	.008	3.25
13	MP3C	X	12.944	1.25
14	MP3C	Z	-22.419	1.25
15	MP3C	Mx	-.008	1.25
16	MP3C	X	12.944	3.25
17	MP3C	Z	-22.419	3.25
18	MP3C	Mx	-.008	3.25
19	MP2A	X	59.035	.25
20	MP2A	Z	-102.252	.25
21	MP2A	Mx	-.089	.25
22	MP2A	X	59.035	4.25
23	MP2A	Z	-102.252	4.25
24	MP2A	Mx	-.089	4.25
25	MP2B	X	51.787	.25
26	MP2B	Z	-89.698	.25
27	MP2B	Mx	.061	.25
28	MP2B	X	51.787	4.25
29	MP2B	Z	-89.698	4.25
30	MP2B	Mx	.061	4.25
31	MP2C	X	57.392	.25
32	MP2C	Z	-99.406	.25
33	MP2C	Mx	.014	.25
34	MP2C	X	57.392	4.25
35	MP2C	Z	-99.406	4.25
36	MP2C	Mx	.014	4.25
37	MP2A	X	59.035	.25
38	MP2A	Z	-102.252	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2A	Mx	.03	.25
40	MP2A	X	59.035	4.25
41	MP2A	Z	-102.252	4.25
42	MP2A	Mx	.03	4.25
43	MP2B	X	51.787	.25
44	MP2B	Z	-89.698	.25
45	MP2B	Mx	.041	.25
46	MP2B	X	51.787	4.25
47	MP2B	Z	-89.698	4.25
48	MP2B	Mx	.041	4.25
49	MP2C	X	57.392	.25
50	MP2C	Z	-99.406	.25
51	MP2C	Mx	-.088	.25
52	MP2C	X	57.392	4.25
53	MP2C	Z	-99.406	4.25
54	MP2C	Mx	-.088	4.25
55	MP1A	X	30.171	1.25
56	MP1A	Z	-52.257	1.25
57	MP1A	Mx	-.015	1.25
58	MP1A	X	30.171	3.25
59	MP1A	Z	-52.257	3.25
60	MP1A	Mx	-.015	3.25
61	MP1B	X	14.584	1.25
62	MP1B	Z	-25.26	1.25
63	MP1B	Mx	.014	1.25
64	MP1B	X	14.584	3.25
65	MP1B	Z	-25.26	3.25
66	MP1B	Mx	.014	3.25
67	MP1C	X	30.171	1.25
68	MP1C	Z	-52.257	1.25
69	MP1C	Mx	-.015	1.25
70	MP1C	X	30.171	3.25
71	MP1C	Z	-52.257	3.25
72	MP1C	Mx	-.015	3.25
73	M122	X	59.772	1
74	M122	Z	-103.529	1
75	M122	Mx	0	1
76	MP2A	X	25.969	1
77	MP2A	Z	-44.979	1
78	MP2A	Mx	.013	1
79	MP2B	X	19.211	1
80	MP2B	Z	-33.274	1
81	MP2B	Mx	-.019	1
82	MP2C	X	24.437	1
83	MP2C	Z	-42.326	1
84	MP2C	Mx	.016	1
85	MP3A	X	25.07	1
86	MP3A	Z	-43.422	1
87	MP3A	Mx	.013	1
88	MP3B	X	15.723	1
89	MP3B	Z	-27.233	1
90	MP3B	Mx	-.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP3C	X	22.951	1
92	MP3C	Z	-39.752	1
93	MP3C	Mx	.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	16.963	1.25
2	MP3A	Z	-9.793	1.25
3	MP3A	Mx	-.008	1.25
4	MP3A	X	16.963	3.25
5	MP3A	Z	-9.793	3.25
6	MP3A	Mx	-.008	3.25
7	MP3B	X	14.808	1.25
8	MP3B	Z	-8.549	1.25
9	MP3B	Mx	.008	1.25
10	MP3B	X	14.808	3.25
11	MP3B	Z	-8.549	3.25
12	MP3B	Mx	.008	3.25
13	MP3C	X	28.623	1.25
14	MP3C	Z	-16.526	1.25
15	MP3C	Mx	-.003	1.25
16	MP3C	X	28.623	3.25
17	MP3C	Z	-16.526	3.25
18	MP3C	Mx	-.003	3.25
19	MP2A	X	93.532	.25
20	MP2A	Z	-54.001	.25
21	MP2A	Mx	-.078	.25
22	MP2A	X	93.532	4.25
23	MP2A	Z	-54.001	4.25
24	MP2A	Mx	-.078	4.25
25	MP2B	X	91.212	.25
26	MP2B	Z	-52.661	.25
27	MP2B	Mx	.028	.25
28	MP2B	X	91.212	4.25
29	MP2B	Z	-52.661	4.25
30	MP2B	Mx	.028	4.25
31	MP2C	X	106.087	.25
32	MP2C	Z	-61.249	.25
33	MP2C	Mx	.06	.25
34	MP2C	X	106.087	4.25
35	MP2C	Z	-61.249	4.25
36	MP2C	Mx	.06	4.25
37	MP2A	X	93.532	.25
38	MP2A	Z	-54.001	.25
39	MP2A	Mx	-.015	.25
40	MP2A	X	93.532	4.25
41	MP2A	Z	-54.001	4.25
42	MP2A	Mx	-.015	4.25
43	MP2B	X	91.212	.25
44	MP2B	Z	-52.661	.25
45	MP2B	Mx	.07	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	91.212	4.25
47	MP2B	Z	-52.661	4.25
48	MP2B	Mx	.07	4.25
49	MP2C	X	106.087	.25
50	MP2C	Z	-61.249	.25
51	MP2C	Mx	-.081	.25
52	MP2C	X	106.087	4.25
53	MP2C	Z	-61.249	4.25
54	MP2C	Mx	-.081	4.25
55	MP1A	X	33.505	1.25
56	MP1A	Z	-19.344	1.25
57	MP1A	Mx	-.017	1.25
58	MP1A	X	33.505	3.25
59	MP1A	Z	-19.344	3.25
60	MP1A	Mx	-.017	3.25
61	MP1B	X	28.517	1.25
62	MP1B	Z	-16.464	1.25
63	MP1B	Mx	.015	1.25
64	MP1B	X	28.517	3.25
65	MP1B	Z	-16.464	3.25
66	MP1B	Mx	.015	3.25
67	MP1C	X	61.633	1.25
68	MP1C	Z	-35.584	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	61.633	3.25
71	MP1C	Z	-35.584	3.25
72	MP1C	Mx	0	3.25
73	M122	X	91.668	1
74	M122	Z	-52.925	1
75	M122	Mx	0	1
76	MP2A	X	36.849	1
77	MP2A	Z	-21.275	1
78	MP2A	Mx	.018	1
79	MP2B	X	34.686	1
80	MP2B	Z	-20.026	1
81	MP2B	Mx	-.019	1
82	MP2C	X	48.554	1
83	MP2C	Z	-28.033	1
84	MP2C	Mx	.005	1
85	MP3A	X	32.177	1
86	MP3A	Z	-18.578	1
87	MP3A	Mx	.016	1
88	MP3B	X	29.186	1
89	MP3B	Z	-16.85	1
90	MP3B	Mx	-.016	1
91	MP3C	X	48.366	1
92	MP3C	Z	-27.924	1
93	MP3C	Mx	.005	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.91	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.007	1.25
4	MP3A	X	14.91	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.007	3.25
7	MP3B	X	25.887	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.008	1.25
10	MP3B	X	25.887	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.008	3.25
13	MP3C	X	31.427	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.005	1.25
16	MP3C	X	31.427	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.005	3.25
19	MP2A	X	102.967	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.051	.25
22	MP2A	X	102.967	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	-.051	4.25
25	MP2B	X	114.785	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.014	.25
28	MP2B	X	114.785	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.014	4.25
31	MP2C	X	120.75	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.087	.25
34	MP2C	X	120.75	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	.087	4.25
37	MP2A	X	102.967	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.051	.25
40	MP2A	X	102.967	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.051	4.25
43	MP2B	X	114.785	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.088	.25
46	MP2B	X	114.785	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.088	4.25
49	MP2C	X	120.75	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.046	.25
52	MP2C	X	120.75	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.046	4.25
55	MP1A	X	27.862	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.014	1.25
58	MP1A	X	27.862	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	-.014	3.25
61	MP1B	X	53.275	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.017	1.25
64	MP1B	X	53.275	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	.017	3.25
67	MP1C	X	60.342	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.015	1.25
70	MP1C	X	60.342	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	.015	3.25
73	M122	X	94.685	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	37.855	1
77	MP2A	Z	0	1
78	MP2A	Mx	.019	1
79	MP2B	X	48.874	1
80	MP2B	Z	0	1
81	MP2B	Mx	-.016	1
82	MP2C	X	54.435	1
83	MP2C	Z	0	1
84	MP2C	Mx	-.009	1
85	MP3A	X	30.663	1
86	MP3A	Z	0	1
87	MP3A	Mx	.015	1
88	MP3B	X	45.902	1
89	MP3B	Z	0	1
90	MP3B	Mx	-.015	1
91	MP3C	X	53.594	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	16.963	1.25
2	MP3A	Z	9.793	1.25
3	MP3A	Mx	-.008	1.25
4	MP3A	X	16.963	3.25
5	MP3A	Z	9.793	3.25
6	MP3A	Mx	-.008	3.25
7	MP3B	X	28.623	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	16.526	1.25
9	MP3B	Mx	.003	1.25
10	MP3B	X	28.623	3.25
11	MP3B	Z	16.526	3.25
12	MP3B	Mx	.003	3.25
13	MP3C	X	19.606	1.25
14	MP3C	Z	11.319	1.25
15	MP3C	Mx	.009	1.25
16	MP3C	X	19.606	3.25
17	MP3C	Z	11.319	3.25
18	MP3C	Mx	.009	3.25
19	MP2A	X	93.532	.25
20	MP2A	Z	54.001	.25
21	MP2A	Mx	-.015	.25
22	MP2A	X	93.532	4.25
23	MP2A	Z	54.001	4.25
24	MP2A	Mx	-.015	4.25
25	MP2B	X	106.087	.25
26	MP2B	Z	61.249	.25
27	MP2B	Mx	-.06	.25
28	MP2B	X	106.087	4.25
29	MP2B	Z	61.249	4.25
30	MP2B	Mx	-.06	4.25
31	MP2C	X	96.378	.25
32	MP2C	Z	55.644	.25
33	MP2C	Mx	.084	.25
34	MP2C	X	96.378	4.25
35	MP2C	Z	55.644	4.25
36	MP2C	Mx	.084	4.25
37	MP2A	X	93.532	.25
38	MP2A	Z	54.001	.25
39	MP2A	Mx	-.078	.25
40	MP2A	X	93.532	4.25
41	MP2A	Z	54.001	4.25
42	MP2A	Mx	-.078	4.25
43	MP2B	X	106.087	.25
44	MP2B	Z	61.249	.25
45	MP2B	Mx	.081	.25
46	MP2B	X	106.087	4.25
47	MP2B	Z	61.249	4.25
48	MP2B	Mx	.081	4.25
49	MP2C	X	96.378	.25
50	MP2C	Z	55.644	.25
51	MP2C	Mx	.000897	.25
52	MP2C	X	96.378	4.25
53	MP2C	Z	55.644	4.25
54	MP2C	Mx	.000897	4.25
55	MP1A	X	33.505	1.25
56	MP1A	Z	19.344	1.25
57	MP1A	Mx	-.017	1.25
58	MP1A	X	33.505	3.25
59	MP1A	Z	19.344	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.017	3.25
61	MP1B	X	60.503	1.25
62	MP1B	Z	34.931	1.25
63	MP1B	Mx	.006	1.25
64	MP1B	X	60.503	3.25
65	MP1B	Z	34.931	3.25
66	MP1B	Mx	.006	3.25
67	MP1C	X	33.505	1.25
68	MP1C	Z	19.344	1.25
69	MP1C	Mx	.017	1.25
70	MP1C	X	33.505	3.25
71	MP1C	Z	19.344	3.25
72	MP1C	Mx	.017	3.25
73	M122	X	84.191	1
74	M122	Z	48.608	1
75	M122	Mx	0	1
76	MP2A	X	36.849	1
77	MP2A	Z	21.275	1
78	MP2A	Mx	.018	1
79	MP2B	X	48.554	1
80	MP2B	Z	28.033	1
81	MP2B	Mx	-.005	1
82	MP2C	X	39.502	1
83	MP2C	Z	22.807	1
84	MP2C	Mx	-.017	1
85	MP3A	X	32.177	1
86	MP3A	Z	18.578	1
87	MP3A	Mx	.016	1
88	MP3B	X	48.366	1
89	MP3B	Z	27.924	1
90	MP3B	Mx	-.005	1
91	MP3C	X	35.847	1
92	MP3C	Z	20.696	1
93	MP3C	Mx	-.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.47	1.25
2	MP3A	Z	25.062	1.25
3	MP3A	Mx	-.007	1.25
4	MP3A	X	14.47	3.25
5	MP3A	Z	25.062	3.25
6	MP3A	Mx	-.007	3.25
7	MP3B	X	15.714	1.25
8	MP3B	Z	27.217	1.25
9	MP3B	Mx	-.005	1.25
10	MP3B	X	15.714	3.25
11	MP3B	Z	27.217	3.25
12	MP3B	Mx	-.005	3.25
13	MP3C	X	7.737	1.25
14	MP3C	Z	13.401	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	.008	1.25
16	MP3C	X	7.737	3.25
17	MP3C	Z	13.401	3.25
18	MP3C	Mx	.008	3.25
19	MP2A	X	59.035	.25
20	MP2A	Z	102.252	.25
21	MP2A	Mx	.03	.25
22	MP2A	X	59.035	4.25
23	MP2A	Z	102.252	4.25
24	MP2A	Mx	.03	4.25
25	MP2B	X	60.375	.25
26	MP2B	Z	104.572	.25
27	MP2B	Mx	-.087	.25
28	MP2B	X	60.375	4.25
29	MP2B	Z	104.572	4.25
30	MP2B	Mx	-.087	4.25
31	MP2C	X	51.787	.25
32	MP2C	Z	89.698	.25
33	MP2C	Mx	.061	.25
34	MP2C	X	51.787	4.25
35	MP2C	Z	89.698	4.25
36	MP2C	Mx	.061	4.25
37	MP2A	X	59.035	.25
38	MP2A	Z	102.252	.25
39	MP2A	Mx	-.089	.25
40	MP2A	X	59.035	4.25
41	MP2A	Z	102.252	4.25
42	MP2A	Mx	-.089	4.25
43	MP2B	X	60.375	.25
44	MP2B	Z	104.572	.25
45	MP2B	Mx	.046	.25
46	MP2B	X	60.375	4.25
47	MP2B	Z	104.572	4.25
48	MP2B	Mx	.046	4.25
49	MP2C	X	51.787	.25
50	MP2C	Z	89.698	.25
51	MP2C	Mx	.041	.25
52	MP2C	X	51.787	4.25
53	MP2C	Z	89.698	4.25
54	MP2C	Mx	.041	4.25
55	MP1A	X	30.171	1.25
56	MP1A	Z	52.257	1.25
57	MP1A	Mx	-.015	1.25
58	MP1A	X	30.171	3.25
59	MP1A	Z	52.257	3.25
60	MP1A	Mx	-.015	3.25
61	MP1B	X	33.051	1.25
62	MP1B	Z	57.246	1.25
63	MP1B	Mx	-.011	1.25
64	MP1B	X	33.051	3.25
65	MP1B	Z	57.246	3.25
66	MP1B	Mx	-.011	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	13.931	1.25
68	MP1C	Z	24.129	1.25
69	MP1C	Mx	.014	1.25
70	MP1C	X	13.931	3.25
71	MP1C	Z	24.129	3.25
72	MP1C	Mx	.014	3.25
73	M122	X	55.455	1
74	M122	Z	96.052	1
75	M122	Mx	0	1
76	MP2A	X	25.969	1
77	MP2A	Z	44.979	1
78	MP2A	Mx	.013	1
79	MP2B	X	27.218	1
80	MP2B	Z	47.142	1
81	MP2B	Mx	.009	1
82	MP2C	X	19.211	1
83	MP2C	Z	33.274	1
84	MP2C	Mx	-.019	1
85	MP3A	X	25.07	1
86	MP3A	Z	43.422	1
87	MP3A	Mx	.013	1
88	MP3B	X	26.797	1
89	MP3B	Z	46.414	1
90	MP3B	Mx	.009	1
91	MP3C	X	15.723	1
92	MP3C	Z	27.233	1
93	MP3C	Mx	-.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	33.616	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	33.616	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	22.639	1.25
9	MP3B	Mx	-.009	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	22.639	3.25
12	MP3B	Mx	-.009	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	17.098	1.25
15	MP3C	Mx	.008	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	17.098	3.25
18	MP3C	Mx	.008	3.25
19	MP2A	X	0	.25
20	MP2A	Z	123.106	.25
21	MP2A	Mx	.072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	0	4.25
23	MP2A	Z	123.106	4.25
24	MP2A	Mx	.072	4.25
25	MP2B	X	0	.25
26	MP2B	Z	111.288	.25
27	MP2B	Mx	-.084	.25
28	MP2B	X	0	4.25
29	MP2B	Z	111.288	4.25
30	MP2B	Mx	-.084	4.25
31	MP2C	X	0	.25
32	MP2C	Z	105.322	.25
33	MP2C	Mx	.028	.25
34	MP2C	X	0	4.25
35	MP2C	Z	105.322	4.25
36	MP2C	Mx	.028	4.25
37	MP2A	X	0	.25
38	MP2A	Z	123.106	.25
39	MP2A	Mx	-.072	.25
40	MP2A	X	0	4.25
41	MP2A	Z	123.106	4.25
42	MP2A	Mx	-.072	4.25
43	MP2B	X	0	.25
44	MP2B	Z	111.288	.25
45	MP2B	Mx	-.000897	.25
46	MP2B	X	0	4.25
47	MP2B	Z	111.288	4.25
48	MP2B	Mx	-.000897	4.25
49	MP2C	X	0	.25
50	MP2C	Z	105.322	.25
51	MP2C	Mx	.07	.25
52	MP2C	X	0	4.25
53	MP2C	Z	105.322	4.25
54	MP2C	Mx	.07	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	71.168	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	71.168	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	45.755	1.25
63	MP1B	Mx	-.018	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	45.755	3.25
66	MP1B	Mx	-.018	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	38.689	1.25
69	MP1C	Mx	.017	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	38.689	3.25
72	MP1C	Mx	.017	3.25
73	M122	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	122.075	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	56.632	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	45.613	1
81	MP2B	Mx	.017	1
82	MP2C	X	0	1
83	MP2C	Z	40.052	1
84	MP2C	Mx	-.019	1
85	MP3A	X	0	1
86	MP3A	Z	56.632	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	41.393	1
90	MP3B	Mx	.016	1
91	MP3C	X	0	1
92	MP3C	Z	33.701	1
93	MP3C	Mx	-.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.47	1.25
2	MP3A	Z	25.062	1.25
3	MP3A	Mx	.007	1.25
4	MP3A	X	-14.47	3.25
5	MP3A	Z	25.062	3.25
6	MP3A	Mx	.007	3.25
7	MP3B	X	-7.737	1.25
8	MP3B	Z	13.401	1.25
9	MP3B	Mx	-.008	1.25
10	MP3B	X	-7.737	3.25
11	MP3B	Z	13.401	3.25
12	MP3B	Mx	-.008	3.25
13	MP3C	X	-12.944	1.25
14	MP3C	Z	22.419	1.25
15	MP3C	Mx	.008	1.25
16	MP3C	X	-12.944	3.25
17	MP3C	Z	22.419	3.25
18	MP3C	Mx	.008	3.25
19	MP2A	X	-59.035	.25
20	MP2A	Z	102.252	.25
21	MP2A	Mx	.089	.25
22	MP2A	X	-59.035	4.25
23	MP2A	Z	102.252	4.25
24	MP2A	Mx	.089	4.25
25	MP2B	X	-51.787	.25
26	MP2B	Z	89.698	.25
27	MP2B	Mx	-.061	.25
28	MP2B	X	-51.787	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	89.698	4.25
30	MP2B	Mx	-.061	4.25
31	MP2C	X	-57.392	.25
32	MP2C	Z	99.406	.25
33	MP2C	Mx	-.014	.25
34	MP2C	X	-57.392	4.25
35	MP2C	Z	99.406	4.25
36	MP2C	Mx	-.014	4.25
37	MP2A	X	-59.035	.25
38	MP2A	Z	102.252	.25
39	MP2A	Mx	-.03	.25
40	MP2A	X	-59.035	4.25
41	MP2A	Z	102.252	4.25
42	MP2A	Mx	-.03	4.25
43	MP2B	X	-51.787	.25
44	MP2B	Z	89.698	.25
45	MP2B	Mx	-.041	.25
46	MP2B	X	-51.787	4.25
47	MP2B	Z	89.698	4.25
48	MP2B	Mx	-.041	4.25
49	MP2C	X	-57.392	.25
50	MP2C	Z	99.406	.25
51	MP2C	Mx	.088	.25
52	MP2C	X	-57.392	4.25
53	MP2C	Z	99.406	4.25
54	MP2C	Mx	.088	4.25
55	MP1A	X	-30.171	1.25
56	MP1A	Z	52.257	1.25
57	MP1A	Mx	.015	1.25
58	MP1A	X	-30.171	3.25
59	MP1A	Z	52.257	3.25
60	MP1A	Mx	.015	3.25
61	MP1B	X	-14.584	1.25
62	MP1B	Z	25.26	1.25
63	MP1B	Mx	-.014	1.25
64	MP1B	X	-14.584	3.25
65	MP1B	Z	25.26	3.25
66	MP1B	Mx	-.014	3.25
67	MP1C	X	-30.171	1.25
68	MP1C	Z	52.257	1.25
69	MP1C	Mx	.015	1.25
70	MP1C	X	-30.171	3.25
71	MP1C	Z	52.257	3.25
72	MP1C	Mx	.015	3.25
73	M122	X	-59.772	1
74	M122	Z	103.529	1
75	M122	Mx	0	1
76	MP2A	X	-25.969	1
77	MP2A	Z	44.979	1
78	MP2A	Mx	-.013	1
79	MP2B	X	-19.211	1
80	MP2B	Z	33.274	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	.019	1
82	MP2C	X	-24.437	1
83	MP2C	Z	42.326	1
84	MP2C	Mx	-.016	1
85	MP3A	X	-25.07	1
86	MP3A	Z	43.422	1
87	MP3A	Mx	-.013	1
88	MP3B	X	-15.723	1
89	MP3B	Z	27.233	1
90	MP3B	Mx	.015	1
91	MP3C	X	-22.951	1
92	MP3C	Z	39.752	1
93	MP3C	Mx	-.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-16.963	1.25
2	MP3A	Z	9.793	1.25
3	MP3A	Mx	.008	1.25
4	MP3A	X	-16.963	3.25
5	MP3A	Z	9.793	3.25
6	MP3A	Mx	.008	3.25
7	MP3B	X	-14.808	1.25
8	MP3B	Z	8.549	1.25
9	MP3B	Mx	-.008	1.25
10	MP3B	X	-14.808	3.25
11	MP3B	Z	8.549	3.25
12	MP3B	Mx	-.008	3.25
13	MP3C	X	-28.623	1.25
14	MP3C	Z	16.526	1.25
15	MP3C	Mx	.003	1.25
16	MP3C	X	-28.623	3.25
17	MP3C	Z	16.526	3.25
18	MP3C	Mx	.003	3.25
19	MP2A	X	-93.532	.25
20	MP2A	Z	54.001	.25
21	MP2A	Mx	.078	.25
22	MP2A	X	-93.532	4.25
23	MP2A	Z	54.001	4.25
24	MP2A	Mx	.078	4.25
25	MP2B	X	-91.212	.25
26	MP2B	Z	52.661	.25
27	MP2B	Mx	-.028	.25
28	MP2B	X	-91.212	4.25
29	MP2B	Z	52.661	4.25
30	MP2B	Mx	-.028	4.25
31	MP2C	X	-106.087	.25
32	MP2C	Z	61.249	.25
33	MP2C	Mx	-.06	.25
34	MP2C	X	-106.087	4.25
35	MP2C	Z	61.249	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.06	4.25
37	MP2A	X	-93.532	.25
38	MP2A	Z	54.001	.25
39	MP2A	Mx	.015	.25
40	MP2A	X	-93.532	4.25
41	MP2A	Z	54.001	4.25
42	MP2A	Mx	.015	4.25
43	MP2B	X	-91.212	.25
44	MP2B	Z	52.661	.25
45	MP2B	Mx	-.07	.25
46	MP2B	X	-91.212	4.25
47	MP2B	Z	52.661	4.25
48	MP2B	Mx	-.07	4.25
49	MP2C	X	-106.087	.25
50	MP2C	Z	61.249	.25
51	MP2C	Mx	.081	.25
52	MP2C	X	-106.087	4.25
53	MP2C	Z	61.249	4.25
54	MP2C	Mx	.081	4.25
55	MP1A	X	-33.505	1.25
56	MP1A	Z	19.344	1.25
57	MP1A	Mx	.017	1.25
58	MP1A	X	-33.505	3.25
59	MP1A	Z	19.344	3.25
60	MP1A	Mx	.017	3.25
61	MP1B	X	-28.517	1.25
62	MP1B	Z	16.464	1.25
63	MP1B	Mx	-.015	1.25
64	MP1B	X	-28.517	3.25
65	MP1B	Z	16.464	3.25
66	MP1B	Mx	-.015	3.25
67	MP1C	X	-61.633	1.25
68	MP1C	Z	35.584	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	-61.633	3.25
71	MP1C	Z	35.584	3.25
72	MP1C	Mx	0	3.25
73	M122	X	-91.668	1
74	M122	Z	52.925	1
75	M122	Mx	0	1
76	MP2A	X	-36.849	1
77	MP2A	Z	21.275	1
78	MP2A	Mx	-.018	1
79	MP2B	X	-34.686	1
80	MP2B	Z	20.026	1
81	MP2B	Mx	.019	1
82	MP2C	X	-48.554	1
83	MP2C	Z	28.033	1
84	MP2C	Mx	-.005	1
85	MP3A	X	-32.177	1
86	MP3A	Z	18.578	1
87	MP3A	Mx	-.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	-29.186	1
89	MP3B	Z	16.85	1
90	MP3B	Mx	.016	1
91	MP3C	X	-48.366	1
92	MP3C	Z	27.924	1
93	MP3C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.91	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.007	1.25
4	MP3A	X	-14.91	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.007	3.25
7	MP3B	X	-25.887	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.008	1.25
10	MP3B	X	-25.887	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.008	3.25
13	MP3C	X	-31.427	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.005	1.25
16	MP3C	X	-31.427	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.005	3.25
19	MP2A	X	-102.967	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.051	.25
22	MP2A	X	-102.967	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	.051	4.25
25	MP2B	X	-114.785	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.014	.25
28	MP2B	X	-114.785	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	.014	4.25
31	MP2C	X	-120.75	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.087	.25
34	MP2C	X	-120.75	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.087	4.25
37	MP2A	X	-102.967	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.051	.25
40	MP2A	X	-102.967	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.051	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	-114.785	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.088	.25
46	MP2B	X	-114.785	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	-.088	4.25
49	MP2C	X	-120.75	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.046	.25
52	MP2C	X	-120.75	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.046	4.25
55	MP1A	X	-27.862	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.014	1.25
58	MP1A	X	-27.862	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	.014	3.25
61	MP1B	X	-53.275	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.017	1.25
64	MP1B	X	-53.275	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	-.017	3.25
67	MP1C	X	-60.342	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.015	1.25
70	MP1C	X	-60.342	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	-.015	3.25
73	M122	X	-94.685	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	-37.855	1
77	MP2A	Z	0	1
78	MP2A	Mx	-.019	1
79	MP2B	X	-48.874	1
80	MP2B	Z	0	1
81	MP2B	Mx	.016	1
82	MP2C	X	-54.435	1
83	MP2C	Z	0	1
84	MP2C	Mx	.009	1
85	MP3A	X	-30.663	1
86	MP3A	Z	0	1
87	MP3A	Mx	-.015	1
88	MP3B	X	-45.902	1
89	MP3B	Z	0	1
90	MP3B	Mx	.015	1
91	MP3C	X	-53.594	1
92	MP3C	Z	0	1
93	MP3C	Mx	.009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-16.963	1.25
2	MP3A	Z	-9.793	1.25
3	MP3A	Mx	.008	1.25
4	MP3A	X	-16.963	3.25
5	MP3A	Z	-9.793	3.25
6	MP3A	Mx	.008	3.25
7	MP3B	X	-28.623	1.25
8	MP3B	Z	-16.526	1.25
9	MP3B	Mx	-.003	1.25
10	MP3B	X	-28.623	3.25
11	MP3B	Z	-16.526	3.25
12	MP3B	Mx	-.003	3.25
13	MP3C	X	-19.606	1.25
14	MP3C	Z	-11.319	1.25
15	MP3C	Mx	-.009	1.25
16	MP3C	X	-19.606	3.25
17	MP3C	Z	-11.319	3.25
18	MP3C	Mx	-.009	3.25
19	MP2A	X	-93.532	.25
20	MP2A	Z	-54.001	.25
21	MP2A	Mx	.015	.25
22	MP2A	X	-93.532	4.25
23	MP2A	Z	-54.001	4.25
24	MP2A	Mx	.015	4.25
25	MP2B	X	-106.087	.25
26	MP2B	Z	-61.249	.25
27	MP2B	Mx	.06	.25
28	MP2B	X	-106.087	4.25
29	MP2B	Z	-61.249	4.25
30	MP2B	Mx	.06	4.25
31	MP2C	X	-96.378	.25
32	MP2C	Z	-55.644	.25
33	MP2C	Mx	-.084	.25
34	MP2C	X	-96.378	4.25
35	MP2C	Z	-55.644	4.25
36	MP2C	Mx	-.084	4.25
37	MP2A	X	-93.532	.25
38	MP2A	Z	-54.001	.25
39	MP2A	Mx	.078	.25
40	MP2A	X	-93.532	4.25
41	MP2A	Z	-54.001	4.25
42	MP2A	Mx	.078	4.25
43	MP2B	X	-106.087	.25
44	MP2B	Z	-61.249	.25
45	MP2B	Mx	-.081	.25
46	MP2B	X	-106.087	4.25
47	MP2B	Z	-61.249	4.25
48	MP2B	Mx	-.081	4.25
49	MP2C	X	-96.378	.25
50	MP2C	Z	-55.644	.25
51	MP2C	Mx	-.000897	.25
52	MP2C	X	-96.378	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-55.644	4.25
54	MP2C	Mx	-.000897	4.25
55	MP1A	X	-33.505	1.25
56	MP1A	Z	-19.344	1.25
57	MP1A	Mx	.017	1.25
58	MP1A	X	-33.505	3.25
59	MP1A	Z	-19.344	3.25
60	MP1A	Mx	.017	3.25
61	MP1B	X	-60.503	1.25
62	MP1B	Z	-34.931	1.25
63	MP1B	Mx	-.006	1.25
64	MP1B	X	-60.503	3.25
65	MP1B	Z	-34.931	3.25
66	MP1B	Mx	-.006	3.25
67	MP1C	X	-33.505	1.25
68	MP1C	Z	-19.344	1.25
69	MP1C	Mx	-.017	1.25
70	MP1C	X	-33.505	3.25
71	MP1C	Z	-19.344	3.25
72	MP1C	Mx	-.017	3.25
73	M122	X	-84.191	1
74	M122	Z	-48.608	1
75	M122	Mx	0	1
76	MP2A	X	-36.849	1
77	MP2A	Z	-21.275	1
78	MP2A	Mx	-.018	1
79	MP2B	X	-48.554	1
80	MP2B	Z	-28.033	1
81	MP2B	Mx	.005	1
82	MP2C	X	-39.502	1
83	MP2C	Z	-22.807	1
84	MP2C	Mx	.017	1
85	MP3A	X	-32.177	1
86	MP3A	Z	-18.578	1
87	MP3A	Mx	-.016	1
88	MP3B	X	-48.366	1
89	MP3B	Z	-27.924	1
90	MP3B	Mx	.005	1
91	MP3C	X	-35.847	1
92	MP3C	Z	-20.696	1
93	MP3C	Mx	.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.47	1.25
2	MP3A	Z	-25.062	1.25
3	MP3A	Mx	.007	1.25
4	MP3A	X	-14.47	3.25
5	MP3A	Z	-25.062	3.25
6	MP3A	Mx	.007	3.25
7	MP3B	X	-15.714	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-27.217	1.25
9	MP3B	Mx	.005	1.25
10	MP3B	X	-15.714	3.25
11	MP3B	Z	-27.217	3.25
12	MP3B	Mx	.005	3.25
13	MP3C	X	-7.737	1.25
14	MP3C	Z	-13.401	1.25
15	MP3C	Mx	-.008	1.25
16	MP3C	X	-7.737	3.25
17	MP3C	Z	-13.401	3.25
18	MP3C	Mx	-.008	3.25
19	MP2A	X	-59.035	.25
20	MP2A	Z	-102.252	.25
21	MP2A	Mx	-.03	.25
22	MP2A	X	-59.035	4.25
23	MP2A	Z	-102.252	4.25
24	MP2A	Mx	-.03	4.25
25	MP2B	X	-60.375	.25
26	MP2B	Z	-104.572	.25
27	MP2B	Mx	.087	.25
28	MP2B	X	-60.375	4.25
29	MP2B	Z	-104.572	4.25
30	MP2B	Mx	.087	4.25
31	MP2C	X	-51.787	.25
32	MP2C	Z	-89.698	.25
33	MP2C	Mx	-.061	.25
34	MP2C	X	-51.787	4.25
35	MP2C	Z	-89.698	4.25
36	MP2C	Mx	-.061	4.25
37	MP2A	X	-59.035	.25
38	MP2A	Z	-102.252	.25
39	MP2A	Mx	.089	.25
40	MP2A	X	-59.035	4.25
41	MP2A	Z	-102.252	4.25
42	MP2A	Mx	.089	4.25
43	MP2B	X	-60.375	.25
44	MP2B	Z	-104.572	.25
45	MP2B	Mx	-.046	.25
46	MP2B	X	-60.375	4.25
47	MP2B	Z	-104.572	4.25
48	MP2B	Mx	-.046	4.25
49	MP2C	X	-51.787	.25
50	MP2C	Z	-89.698	.25
51	MP2C	Mx	-.041	.25
52	MP2C	X	-51.787	4.25
53	MP2C	Z	-89.698	4.25
54	MP2C	Mx	-.041	4.25
55	MP1A	X	-30.171	1.25
56	MP1A	Z	-52.257	1.25
57	MP1A	Mx	.015	1.25
58	MP1A	X	-30.171	3.25
59	MP1A	Z	-52.257	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.015	3.25
61	MP1B	X	-33.051	1.25
62	MP1B	Z	-57.246	1.25
63	MP1B	Mx	.011	1.25
64	MP1B	X	-33.051	3.25
65	MP1B	Z	-57.246	3.25
66	MP1B	Mx	.011	3.25
67	MP1C	X	-13.931	1.25
68	MP1C	Z	-24.129	1.25
69	MP1C	Mx	-.014	1.25
70	MP1C	X	-13.931	3.25
71	MP1C	Z	-24.129	3.25
72	MP1C	Mx	-.014	3.25
73	M122	X	-55.455	1
74	M122	Z	-96.052	1
75	M122	Mx	0	1
76	MP2A	X	-25.969	1
77	MP2A	Z	-44.979	1
78	MP2A	Mx	-.013	1
79	MP2B	X	-27.218	1
80	MP2B	Z	-47.142	1
81	MP2B	Mx	-.009	1
82	MP2C	X	-19.211	1
83	MP2C	Z	-33.274	1
84	MP2C	Mx	.019	1
85	MP3A	X	-25.07	1
86	MP3A	Z	-43.422	1
87	MP3A	Mx	-.013	1
88	MP3B	X	-26.797	1
89	MP3B	Z	-46.414	1
90	MP3B	Mx	-.009	1
91	MP3C	X	-15.723	1
92	MP3C	Z	-27.233	1
93	MP3C	Mx	.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-7.557	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-7.557	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-5.297	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-5.297	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-4.157	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	-.002	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-4.157	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-25.675	.25
21	MP2A	Mx	-.015	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-25.675	4.25
24	MP2A	Mx	-.015	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-23.394	.25
27	MP2B	Mx	.018	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-23.394	4.25
30	MP2B	Mx	.018	4.25
31	MP2C	X	0	.25
32	MP2C	Z	-22.242	.25
33	MP2C	Mx	-.006	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-22.242	4.25
36	MP2C	Mx	-.006	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-25.675	.25
39	MP2A	Mx	.015	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-25.675	4.25
42	MP2A	Mx	.015	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-23.394	.25
45	MP2B	Mx	.000189	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-23.394	4.25
48	MP2B	Mx	.000189	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-22.242	.25
51	MP2C	Mx	-.015	.25
52	MP2C	X	0	4.25
53	MP2C	Z	-22.242	4.25
54	MP2C	Mx	-.015	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	-15.199	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	-15.199	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	-10.079	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	-10.079	3.25
66	MP1B	Mx	.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	0	1.25
68	MP1C	Z	-8.656	1.25
69	MP1C	Mx	-.004	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	-8.656	3.25
72	MP1C	Mx	-.004	3.25
73	M122	X	0	1
74	M122	Z	-26.153	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	-12.81	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	-10.522	1
81	MP2B	Mx	-.004	1
82	MP2C	X	0	1
83	MP2C	Z	-9.367	1
84	MP2C	Mx	.004	1
85	MP3A	X	0	1
86	MP3A	Z	-12.81	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	-9.653	1
90	MP3B	Mx	-.004	1
91	MP3C	X	0	1
92	MP3C	Z	-8.059	1
93	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.297	1.25
2	MP3A	Z	-5.711	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	3.297	3.25
5	MP3A	Z	-5.711	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	1.911	1.25
8	MP3B	Z	-3.31	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	1.911	3.25
11	MP3B	Z	-3.31	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	2.983	1.25
14	MP3C	Z	-5.167	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	2.983	3.25
17	MP3C	Z	-5.167	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	12.352	.25
20	MP2A	Z	-21.394	.25
21	MP2A	Mx	-.019	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	12.352	4.25
23	MP2A	Z	-21.394	4.25
24	MP2A	Mx	-.019	4.25
25	MP2B	X	10.952	.25
26	MP2B	Z	-18.97	.25
27	MP2B	Mx	.013	.25
28	MP2B	X	10.952	4.25
29	MP2B	Z	-18.97	4.25
30	MP2B	Mx	.013	4.25
31	MP2C	X	12.035	.25
32	MP2C	Z	-20.844	.25
33	MP2C	Mx	.003	.25
34	MP2C	X	12.035	4.25
35	MP2C	Z	-20.844	4.25
36	MP2C	Mx	.003	4.25
37	MP2A	X	12.352	.25
38	MP2A	Z	-21.394	.25
39	MP2A	Mx	.006	.25
40	MP2A	X	12.352	4.25
41	MP2A	Z	-21.394	4.25
42	MP2A	Mx	.006	4.25
43	MP2B	X	10.952	.25
44	MP2B	Z	-18.97	.25
45	MP2B	Mx	.009	.25
46	MP2B	X	10.952	4.25
47	MP2B	Z	-18.97	4.25
48	MP2B	Mx	.009	4.25
49	MP2C	X	12.035	.25
50	MP2C	Z	-20.844	.25
51	MP2C	Mx	-.018	.25
52	MP2C	X	12.035	4.25
53	MP2C	Z	-20.844	4.25
54	MP2C	Mx	-.018	4.25
55	MP1A	X	6.509	1.25
56	MP1A	Z	-11.274	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	6.509	3.25
59	MP1A	Z	-11.274	3.25
60	MP1A	Mx	-.003	3.25
61	MP1B	X	3.369	1.25
62	MP1B	Z	-5.835	1.25
63	MP1B	Mx	.003	1.25
64	MP1B	X	3.369	3.25
65	MP1B	Z	-5.835	3.25
66	MP1B	Mx	.003	3.25
67	MP1C	X	6.509	1.25
68	MP1C	Z	-11.274	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	6.509	3.25
71	MP1C	Z	-11.274	3.25
72	MP1C	Mx	-.003	3.25
73	M122	X	12.827	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	-22.217	1
75	M122	Mx	0	1
76	MP2A	X	5.918	1
77	MP2A	Z	-10.25	1
78	MP2A	Mx	.003	1
79	MP2B	X	4.514	1
80	MP2B	Z	-7.819	1
81	MP2B	Mx	-.004	1
82	MP2C	X	5.6	1
83	MP2C	Z	-9.699	1
84	MP2C	Mx	.004	1
85	MP3A	X	5.733	1
86	MP3A	Z	-9.929	1
87	MP3A	Mx	.003	1
88	MP3B	X	3.796	1
89	MP3B	Z	-6.575	1
90	MP3B	Mx	-.004	1
91	MP3C	X	5.294	1
92	MP3C	Z	-9.169	1
93	MP3C	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.043	1.25
2	MP3A	Z	-2.334	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	4.043	3.25
5	MP3A	Z	-2.334	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	3.6	1.25
8	MP3B	Z	-2.078	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	3.6	3.25
11	MP3B	Z	-2.078	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	6.444	1.25
14	MP3C	Z	-3.721	1.25
15	MP3C	Mx	-.000646	1.25
16	MP3C	X	6.444	3.25
17	MP3C	Z	-3.721	3.25
18	MP3C	Mx	-.000646	3.25
19	MP2A	X	19.71	.25
20	MP2A	Z	-11.38	.25
21	MP2A	Mx	-.016	.25
22	MP2A	X	19.71	4.25
23	MP2A	Z	-11.38	4.25
24	MP2A	Mx	-.016	4.25
25	MP2B	X	19.262	.25
26	MP2B	Z	-11.121	.25
27	MP2B	Mx	.006	.25
28	MP2B	X	19.262	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-11.121	4.25
30	MP2B	Mx	.006	4.25
31	MP2C	X	22.134	.25
32	MP2C	Z	-12.779	.25
33	MP2C	Mx	.012	.25
34	MP2C	X	22.134	4.25
35	MP2C	Z	-12.779	4.25
36	MP2C	Mx	.012	4.25
37	MP2A	X	19.71	.25
38	MP2A	Z	-11.38	.25
39	MP2A	Mx	-.003	.25
40	MP2A	X	19.71	4.25
41	MP2A	Z	-11.38	4.25
42	MP2A	Mx	-.003	4.25
43	MP2B	X	19.262	.25
44	MP2B	Z	-11.121	.25
45	MP2B	Mx	.015	.25
46	MP2B	X	19.262	4.25
47	MP2B	Z	-11.121	4.25
48	MP2B	Mx	.015	4.25
49	MP2C	X	22.134	.25
50	MP2C	Z	-12.779	.25
51	MP2C	Mx	-.017	.25
52	MP2C	X	22.134	4.25
53	MP2C	Z	-12.779	4.25
54	MP2C	Mx	-.017	4.25
55	MP1A	X	7.496	1.25
56	MP1A	Z	-4.328	1.25
57	MP1A	Mx	-.004	1.25
58	MP1A	X	7.496	3.25
59	MP1A	Z	-4.328	3.25
60	MP1A	Mx	-.004	3.25
61	MP1B	X	6.491	1.25
62	MP1B	Z	-3.748	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	6.491	3.25
65	MP1B	Z	-3.748	3.25
66	MP1B	Mx	.004	3.25
67	MP1C	X	13.163	1.25
68	MP1C	Z	-7.6	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	13.163	3.25
71	MP1C	Z	-7.6	3.25
72	MP1C	Mx	0	3.25
73	M122	X	19.882	1
74	M122	Z	-11.479	1
75	M122	Mx	0	1
76	MP2A	X	8.561	1
77	MP2A	Z	-4.943	1
78	MP2A	Mx	.004	1
79	MP2B	X	8.112	1
80	MP2B	Z	-4.684	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.004	1
82	MP2C	X	10.992	1
83	MP2C	Z	-6.346	1
84	MP2C	Mx	.001	1
85	MP3A	X	7.599	1
86	MP3A	Z	-4.387	1
87	MP3A	Mx	.004	1
88	MP3B	X	6.979	1
89	MP3B	Z	-4.029	1
90	MP3B	Mx	-.004	1
91	MP3C	X	10.954	1
92	MP3C	Z	-6.324	1
93	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.706	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	3.706	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	5.966	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	5.966	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	7.107	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.001	1.25
16	MP3C	X	7.107	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.001	3.25
19	MP2A	X	21.787	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.011	.25
22	MP2A	X	21.787	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	-.011	4.25
25	MP2B	X	24.069	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.003	.25
28	MP2B	X	24.069	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.003	4.25
31	MP2C	X	25.221	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.018	.25
34	MP2C	X	25.221	4.25
35	MP2C	Z	0	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.018	4.25
37	MP2A	X	21.787	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.011	.25
40	MP2A	X	21.787	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.011	4.25
43	MP2B	X	24.069	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.018	.25
46	MP2B	X	24.069	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.018	4.25
49	MP2C	X	25.221	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.01	.25
52	MP2C	X	25.221	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.01	4.25
55	MP1A	X	6.475	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	6.475	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	-.003	3.25
61	MP1B	X	11.594	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	11.594	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	.004	3.25
67	MP1C	X	13.018	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	13.018	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	.003	3.25
73	M122	X	20.76	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	8.911	1
77	MP2A	Z	0	1
78	MP2A	Mx	.004	1
79	MP2B	X	11.199	1
80	MP2B	Z	0	1
81	MP2B	Mx	-.004	1
82	MP2C	X	12.354	1
83	MP2C	Z	0	1
84	MP2C	Mx	-.002	1
85	MP3A	X	7.429	1
86	MP3A	Z	0	1
87	MP3A	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	10.587	1
89	MP3B	Z	0	1
90	MP3B	Mx	-.003	1
91	MP3C	X	12.181	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.043	1.25
2	MP3A	Z	2.334	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	4.043	3.25
5	MP3A	Z	2.334	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	6.444	1.25
8	MP3B	Z	3.721	1.25
9	MP3B	Mx	.000646	1.25
10	MP3B	X	6.444	3.25
11	MP3B	Z	3.721	3.25
12	MP3B	Mx	.000646	3.25
13	MP3C	X	4.588	1.25
14	MP3C	Z	2.649	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	4.588	3.25
17	MP3C	Z	2.649	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	19.71	.25
20	MP2A	Z	11.38	.25
21	MP2A	Mx	-.003	.25
22	MP2A	X	19.71	4.25
23	MP2A	Z	11.38	4.25
24	MP2A	Mx	-.003	4.25
25	MP2B	X	22.134	.25
26	MP2B	Z	12.779	.25
27	MP2B	Mx	-.012	.25
28	MP2B	X	22.134	4.25
29	MP2B	Z	12.779	4.25
30	MP2B	Mx	-.012	4.25
31	MP2C	X	20.26	.25
32	MP2C	Z	11.697	.25
33	MP2C	Mx	.018	.25
34	MP2C	X	20.26	4.25
35	MP2C	Z	11.697	4.25
36	MP2C	Mx	.018	4.25
37	MP2A	X	19.71	.25
38	MP2A	Z	11.38	.25
39	MP2A	Mx	-.016	.25
40	MP2A	X	19.71	4.25
41	MP2A	Z	11.38	4.25
42	MP2A	Mx	-.016	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	22.134	.25
44	MP2B	Z	12.779	.25
45	MP2B	Mx	.017	.25
46	MP2B	X	22.134	4.25
47	MP2B	Z	12.779	4.25
48	MP2B	Mx	.017	4.25
49	MP2C	X	20.26	.25
50	MP2C	Z	11.697	.25
51	MP2C	Mx	.000189	.25
52	MP2C	X	20.26	4.25
53	MP2C	Z	11.697	4.25
54	MP2C	Mx	.000189	4.25
55	MP1A	X	7.496	1.25
56	MP1A	Z	4.328	1.25
57	MP1A	Mx	-.004	1.25
58	MP1A	X	7.496	3.25
59	MP1A	Z	4.328	3.25
60	MP1A	Mx	-.004	3.25
61	MP1B	X	12.935	1.25
62	MP1B	Z	7.468	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	12.935	3.25
65	MP1B	Z	7.468	3.25
66	MP1B	Mx	.001	3.25
67	MP1C	X	7.496	1.25
68	MP1C	Z	4.328	1.25
69	MP1C	Mx	.004	1.25
70	MP1C	X	7.496	3.25
71	MP1C	Z	4.328	3.25
72	MP1C	Mx	.004	3.25
73	M122	X	18.41	1
74	M122	Z	10.629	1
75	M122	Mx	0	1
76	MP2A	X	8.561	1
77	MP2A	Z	4.943	1
78	MP2A	Mx	.004	1
79	MP2B	X	10.992	1
80	MP2B	Z	6.346	1
81	MP2B	Mx	-.001	1
82	MP2C	X	9.112	1
83	MP2C	Z	5.261	1
84	MP2C	Mx	-.004	1
85	MP3A	X	7.599	1
86	MP3A	Z	4.387	1
87	MP3A	Mx	.004	1
88	MP3B	X	10.954	1
89	MP3B	Z	6.324	1
90	MP3B	Mx	-.001	1
91	MP3C	X	8.359	1
92	MP3C	Z	4.826	1
93	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.297	1.25
2	MP3A	Z	5.711	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	3.297	3.25
5	MP3A	Z	5.711	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	3.553	1.25
8	MP3B	Z	6.155	1.25
9	MP3B	Mx	-.001	1.25
10	MP3B	X	3.553	3.25
11	MP3B	Z	6.155	3.25
12	MP3B	Mx	-.001	3.25
13	MP3C	X	1.911	1.25
14	MP3C	Z	3.31	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	1.911	3.25
17	MP3C	Z	3.31	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	12.352	.25
20	MP2A	Z	21.394	.25
21	MP2A	Mx	.006	.25
22	MP2A	X	12.352	4.25
23	MP2A	Z	21.394	4.25
24	MP2A	Mx	.006	4.25
25	MP2B	X	12.61	.25
26	MP2B	Z	21.842	.25
27	MP2B	Mx	-.018	.25
28	MP2B	X	12.61	4.25
29	MP2B	Z	21.842	4.25
30	MP2B	Mx	-.018	4.25
31	MP2C	X	10.952	.25
32	MP2C	Z	18.97	.25
33	MP2C	Mx	.013	.25
34	MP2C	X	10.952	4.25
35	MP2C	Z	18.97	4.25
36	MP2C	Mx	.013	4.25
37	MP2A	X	12.352	.25
38	MP2A	Z	21.394	.25
39	MP2A	Mx	-.019	.25
40	MP2A	X	12.352	4.25
41	MP2A	Z	21.394	4.25
42	MP2A	Mx	-.019	4.25
43	MP2B	X	12.61	.25
44	MP2B	Z	21.842	.25
45	MP2B	Mx	.01	.25
46	MP2B	X	12.61	4.25
47	MP2B	Z	21.842	4.25
48	MP2B	Mx	.01	4.25
49	MP2C	X	10.952	.25
50	MP2C	Z	18.97	.25
51	MP2C	Mx	.009	.25
52	MP2C	X	10.952	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	18.97	4.25
54	MP2C	Mx	.009	4.25
55	MP1A	X	6.509	1.25
56	MP1A	Z	11.274	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	6.509	3.25
59	MP1A	Z	11.274	3.25
60	MP1A	Mx	-.003	3.25
61	MP1B	X	7.089	1.25
62	MP1B	Z	12.279	1.25
63	MP1B	Mx	-.002	1.25
64	MP1B	X	7.089	3.25
65	MP1B	Z	12.279	3.25
66	MP1B	Mx	-.002	3.25
67	MP1C	X	3.237	1.25
68	MP1C	Z	5.607	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	3.237	3.25
71	MP1C	Z	5.607	3.25
72	MP1C	Mx	.003	3.25
73	M122	X	11.977	1
74	M122	Z	20.745	1
75	M122	Mx	0	1
76	MP2A	X	5.918	1
77	MP2A	Z	10.25	1
78	MP2A	Mx	.003	1
79	MP2B	X	6.177	1
80	MP2B	Z	10.699	1
81	MP2B	Mx	.002	1
82	MP2C	X	4.514	1
83	MP2C	Z	7.819	1
84	MP2C	Mx	-.004	1
85	MP3A	X	5.733	1
86	MP3A	Z	9.929	1
87	MP3A	Mx	.003	1
88	MP3B	X	6.09	1
89	MP3B	Z	10.549	1
90	MP3B	Mx	.002	1
91	MP3C	X	3.796	1
92	MP3C	Z	6.575	1
93	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	7.557	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	7.557	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	5.297	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	5.297	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	4.157	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	4.157	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	0	.25
20	MP2A	Z	25.675	.25
21	MP2A	Mx	.015	.25
22	MP2A	X	0	4.25
23	MP2A	Z	25.675	4.25
24	MP2A	Mx	.015	4.25
25	MP2B	X	0	.25
26	MP2B	Z	23.394	.25
27	MP2B	Mx	-.018	.25
28	MP2B	X	0	4.25
29	MP2B	Z	23.394	4.25
30	MP2B	Mx	-.018	4.25
31	MP2C	X	0	.25
32	MP2C	Z	22.242	.25
33	MP2C	Mx	.006	.25
34	MP2C	X	0	4.25
35	MP2C	Z	22.242	4.25
36	MP2C	Mx	.006	4.25
37	MP2A	X	0	.25
38	MP2A	Z	25.675	.25
39	MP2A	Mx	-.015	.25
40	MP2A	X	0	4.25
41	MP2A	Z	25.675	4.25
42	MP2A	Mx	-.015	4.25
43	MP2B	X	0	.25
44	MP2B	Z	23.394	.25
45	MP2B	Mx	-.000189	.25
46	MP2B	X	0	4.25
47	MP2B	Z	23.394	4.25
48	MP2B	Mx	-.000189	4.25
49	MP2C	X	0	.25
50	MP2C	Z	22.242	.25
51	MP2C	Mx	.015	.25
52	MP2C	X	0	4.25
53	MP2C	Z	22.242	4.25
54	MP2C	Mx	.015	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	15.199	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	15.199	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	10.079	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	10.079	3.25
66	MP1B	Mx	-.004	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	8.656	1.25
69	MP1C	Mx	.004	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	8.656	3.25
72	MP1C	Mx	.004	3.25
73	M122	X	0	1
74	M122	Z	26.153	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	12.81	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	10.522	1
81	MP2B	Mx	.004	1
82	MP2C	X	0	1
83	MP2C	Z	9.367	1
84	MP2C	Mx	-.004	1
85	MP3A	X	0	1
86	MP3A	Z	12.81	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	9.653	1
90	MP3B	Mx	.004	1
91	MP3C	X	0	1
92	MP3C	Z	8.059	1
93	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.297	1.25
2	MP3A	Z	5.711	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-3.297	3.25
5	MP3A	Z	5.711	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-1.911	1.25
8	MP3B	Z	3.31	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	-1.911	3.25
11	MP3B	Z	3.31	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	-2.983	1.25
14	MP3C	Z	5.167	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	.002	1.25
16	MP3C	X	-2.983	3.25
17	MP3C	Z	5.167	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	-12.352	.25
20	MP2A	Z	21.394	.25
21	MP2A	Mx	.019	.25
22	MP2A	X	-12.352	4.25
23	MP2A	Z	21.394	4.25
24	MP2A	Mx	.019	4.25
25	MP2B	X	-10.952	.25
26	MP2B	Z	18.97	.25
27	MP2B	Mx	-.013	.25
28	MP2B	X	-10.952	4.25
29	MP2B	Z	18.97	4.25
30	MP2B	Mx	-.013	4.25
31	MP2C	X	-12.035	.25
32	MP2C	Z	20.844	.25
33	MP2C	Mx	-.003	.25
34	MP2C	X	-12.035	4.25
35	MP2C	Z	20.844	4.25
36	MP2C	Mx	-.003	4.25
37	MP2A	X	-12.352	.25
38	MP2A	Z	21.394	.25
39	MP2A	Mx	-.006	.25
40	MP2A	X	-12.352	4.25
41	MP2A	Z	21.394	4.25
42	MP2A	Mx	-.006	4.25
43	MP2B	X	-10.952	.25
44	MP2B	Z	18.97	.25
45	MP2B	Mx	-.009	.25
46	MP2B	X	-10.952	4.25
47	MP2B	Z	18.97	4.25
48	MP2B	Mx	-.009	4.25
49	MP2C	X	-12.035	.25
50	MP2C	Z	20.844	.25
51	MP2C	Mx	.018	.25
52	MP2C	X	-12.035	4.25
53	MP2C	Z	20.844	4.25
54	MP2C	Mx	.018	4.25
55	MP1A	X	-6.509	1.25
56	MP1A	Z	11.274	1.25
57	MP1A	Mx	.003	1.25
58	MP1A	X	-6.509	3.25
59	MP1A	Z	11.274	3.25
60	MP1A	Mx	.003	3.25
61	MP1B	X	-3.369	1.25
62	MP1B	Z	5.835	1.25
63	MP1B	Mx	-.003	1.25
64	MP1B	X	-3.369	3.25
65	MP1B	Z	5.835	3.25
66	MP1B	Mx	-.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	-6.509	1.25
68	MP1C	Z	11.274	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	-6.509	3.25
71	MP1C	Z	11.274	3.25
72	MP1C	Mx	.003	3.25
73	M122	X	-12.827	1
74	M122	Z	22.217	1
75	M122	Mx	0	1
76	MP2A	X	-5.918	1
77	MP2A	Z	10.25	1
78	MP2A	Mx	-.003	1
79	MP2B	X	-4.514	1
80	MP2B	Z	7.819	1
81	MP2B	Mx	.004	1
82	MP2C	X	-5.6	1
83	MP2C	Z	9.699	1
84	MP2C	Mx	-.004	1
85	MP3A	X	-5.733	1
86	MP3A	Z	9.929	1
87	MP3A	Mx	-.003	1
88	MP3B	X	-3.796	1
89	MP3B	Z	6.575	1
90	MP3B	Mx	.004	1
91	MP3C	X	-5.294	1
92	MP3C	Z	9.169	1
93	MP3C	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.043	1.25
2	MP3A	Z	2.334	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-4.043	3.25
5	MP3A	Z	2.334	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-3.6	1.25
8	MP3B	Z	2.078	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	-3.6	3.25
11	MP3B	Z	2.078	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	-6.444	1.25
14	MP3C	Z	3.721	1.25
15	MP3C	Mx	.000646	1.25
16	MP3C	X	-6.444	3.25
17	MP3C	Z	3.721	3.25
18	MP3C	Mx	.000646	3.25
19	MP2A	X	-19.71	.25
20	MP2A	Z	11.38	.25
21	MP2A	Mx	.016	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-19.71	4.25
23	MP2A	Z	11.38	4.25
24	MP2A	Mx	.016	4.25
25	MP2B	X	-19.262	.25
26	MP2B	Z	11.121	.25
27	MP2B	Mx	-.006	.25
28	MP2B	X	-19.262	4.25
29	MP2B	Z	11.121	4.25
30	MP2B	Mx	-.006	4.25
31	MP2C	X	-22.134	.25
32	MP2C	Z	12.779	.25
33	MP2C	Mx	-.012	.25
34	MP2C	X	-22.134	4.25
35	MP2C	Z	12.779	4.25
36	MP2C	Mx	-.012	4.25
37	MP2A	X	-19.71	.25
38	MP2A	Z	11.38	.25
39	MP2A	Mx	.003	.25
40	MP2A	X	-19.71	4.25
41	MP2A	Z	11.38	4.25
42	MP2A	Mx	.003	4.25
43	MP2B	X	-19.262	.25
44	MP2B	Z	11.121	.25
45	MP2B	Mx	-.015	.25
46	MP2B	X	-19.262	4.25
47	MP2B	Z	11.121	4.25
48	MP2B	Mx	-.015	4.25
49	MP2C	X	-22.134	.25
50	MP2C	Z	12.779	.25
51	MP2C	Mx	.017	.25
52	MP2C	X	-22.134	4.25
53	MP2C	Z	12.779	4.25
54	MP2C	Mx	.017	4.25
55	MP1A	X	-7.496	1.25
56	MP1A	Z	4.328	1.25
57	MP1A	Mx	.004	1.25
58	MP1A	X	-7.496	3.25
59	MP1A	Z	4.328	3.25
60	MP1A	Mx	.004	3.25
61	MP1B	X	-6.491	1.25
62	MP1B	Z	3.748	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	-6.491	3.25
65	MP1B	Z	3.748	3.25
66	MP1B	Mx	-.004	3.25
67	MP1C	X	-13.163	1.25
68	MP1C	Z	7.6	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	-13.163	3.25
71	MP1C	Z	7.6	3.25
72	MP1C	Mx	0	3.25
73	M122	X	-19.882	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	11.479	1
75	M122	Mx	0	1
76	MP2A	X	-8.561	1
77	MP2A	Z	4.943	1
78	MP2A	Mx	-.004	1
79	MP2B	X	-8.112	1
80	MP2B	Z	4.684	1
81	MP2B	Mx	.004	1
82	MP2C	X	-10.992	1
83	MP2C	Z	6.346	1
84	MP2C	Mx	-.001	1
85	MP3A	X	-7.599	1
86	MP3A	Z	4.387	1
87	MP3A	Mx	-.004	1
88	MP3B	X	-6.979	1
89	MP3B	Z	4.029	1
90	MP3B	Mx	.004	1
91	MP3C	X	-10.954	1
92	MP3C	Z	6.324	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.706	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-3.706	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-5.966	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	-5.966	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	-7.107	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.001	1.25
16	MP3C	X	-7.107	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.001	3.25
19	MP2A	X	-21.787	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.011	.25
22	MP2A	X	-21.787	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	.011	4.25
25	MP2B	X	-24.069	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.003	.25
28	MP2B	X	-24.069	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	0	4.25
30	MP2B	Mx	.003	4.25
31	MP2C	X	-25.221	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.018	.25
34	MP2C	X	-25.221	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.018	4.25
37	MP2A	X	-21.787	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.011	.25
40	MP2A	X	-21.787	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.011	4.25
43	MP2B	X	-24.069	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.018	.25
46	MP2B	X	-24.069	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	-.018	4.25
49	MP2C	X	-25.221	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.01	.25
52	MP2C	X	-25.221	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.01	4.25
55	MP1A	X	-6.475	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.003	1.25
58	MP1A	X	-6.475	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	.003	3.25
61	MP1B	X	-11.594	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	-11.594	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	-.004	3.25
67	MP1C	X	-13.018	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	-13.018	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	-.003	3.25
73	M122	X	-20.76	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	-8.911	1
77	MP2A	Z	0	1
78	MP2A	Mx	-.004	1
79	MP2B	X	-11.199	1
80	MP2B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	.004	1
82	MP2C	X	-12.354	1
83	MP2C	Z	0	1
84	MP2C	Mx	.002	1
85	MP3A	X	-7.429	1
86	MP3A	Z	0	1
87	MP3A	Mx	-.004	1
88	MP3B	X	-10.587	1
89	MP3B	Z	0	1
90	MP3B	Mx	.003	1
91	MP3C	X	-12.181	1
92	MP3C	Z	0	1
93	MP3C	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.043	1.25
2	MP3A	Z	-2.334	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-4.043	3.25
5	MP3A	Z	-2.334	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-6.444	1.25
8	MP3B	Z	-3.721	1.25
9	MP3B	Mx	-.000646	1.25
10	MP3B	X	-6.444	3.25
11	MP3B	Z	-3.721	3.25
12	MP3B	Mx	-.000646	3.25
13	MP3C	X	-4.588	1.25
14	MP3C	Z	-2.649	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	-4.588	3.25
17	MP3C	Z	-2.649	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	-19.71	.25
20	MP2A	Z	-11.38	.25
21	MP2A	Mx	.003	.25
22	MP2A	X	-19.71	4.25
23	MP2A	Z	-11.38	4.25
24	MP2A	Mx	.003	4.25
25	MP2B	X	-22.134	.25
26	MP2B	Z	-12.779	.25
27	MP2B	Mx	.012	.25
28	MP2B	X	-22.134	4.25
29	MP2B	Z	-12.779	4.25
30	MP2B	Mx	.012	4.25
31	MP2C	X	-20.26	.25
32	MP2C	Z	-11.697	.25
33	MP2C	Mx	-.018	.25
34	MP2C	X	-20.26	4.25
35	MP2C	Z	-11.697	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.018	4.25
37	MP2A	X	-19.71	.25
38	MP2A	Z	-11.38	.25
39	MP2A	Mx	.016	.25
40	MP2A	X	-19.71	4.25
41	MP2A	Z	-11.38	4.25
42	MP2A	Mx	.016	4.25
43	MP2B	X	-22.134	.25
44	MP2B	Z	-12.779	.25
45	MP2B	Mx	-.017	.25
46	MP2B	X	-22.134	4.25
47	MP2B	Z	-12.779	4.25
48	MP2B	Mx	-.017	4.25
49	MP2C	X	-20.26	.25
50	MP2C	Z	-11.697	.25
51	MP2C	Mx	-.000189	.25
52	MP2C	X	-20.26	4.25
53	MP2C	Z	-11.697	4.25
54	MP2C	Mx	-.000189	4.25
55	MP1A	X	-7.496	1.25
56	MP1A	Z	-4.328	1.25
57	MP1A	Mx	.004	1.25
58	MP1A	X	-7.496	3.25
59	MP1A	Z	-4.328	3.25
60	MP1A	Mx	.004	3.25
61	MP1B	X	-12.935	1.25
62	MP1B	Z	-7.468	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-12.935	3.25
65	MP1B	Z	-7.468	3.25
66	MP1B	Mx	-.001	3.25
67	MP1C	X	-7.496	1.25
68	MP1C	Z	-4.328	1.25
69	MP1C	Mx	-.004	1.25
70	MP1C	X	-7.496	3.25
71	MP1C	Z	-4.328	3.25
72	MP1C	Mx	-.004	3.25
73	M122	X	-18.41	1
74	M122	Z	-10.629	1
75	M122	Mx	0	1
76	MP2A	X	-8.561	1
77	MP2A	Z	-4.943	1
78	MP2A	Mx	-.004	1
79	MP2B	X	-10.992	1
80	MP2B	Z	-6.346	1
81	MP2B	Mx	.001	1
82	MP2C	X	-9.112	1
83	MP2C	Z	-5.261	1
84	MP2C	Mx	.004	1
85	MP3A	X	-7.599	1
86	MP3A	Z	-4.387	1
87	MP3A	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	-10.954	1
89	MP3B	Z	-6.324	1
90	MP3B	Mx	.001	1
91	MP3C	X	-8.359	1
92	MP3C	Z	-4.826	1
93	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.297	1.25
2	MP3A	Z	-5.711	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-3.297	3.25
5	MP3A	Z	-5.711	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-3.553	1.25
8	MP3B	Z	-6.155	1.25
9	MP3B	Mx	.001	1.25
10	MP3B	X	-3.553	3.25
11	MP3B	Z	-6.155	3.25
12	MP3B	Mx	.001	3.25
13	MP3C	X	-1.911	1.25
14	MP3C	Z	-3.31	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	-1.911	3.25
17	MP3C	Z	-3.31	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	-12.352	.25
20	MP2A	Z	-21.394	.25
21	MP2A	Mx	-.006	.25
22	MP2A	X	-12.352	4.25
23	MP2A	Z	-21.394	4.25
24	MP2A	Mx	-.006	4.25
25	MP2B	X	-12.61	.25
26	MP2B	Z	-21.842	.25
27	MP2B	Mx	.018	.25
28	MP2B	X	-12.61	4.25
29	MP2B	Z	-21.842	4.25
30	MP2B	Mx	.018	4.25
31	MP2C	X	-10.952	.25
32	MP2C	Z	-18.97	.25
33	MP2C	Mx	-.013	.25
34	MP2C	X	-10.952	4.25
35	MP2C	Z	-18.97	4.25
36	MP2C	Mx	-.013	4.25
37	MP2A	X	-12.352	.25
38	MP2A	Z	-21.394	.25
39	MP2A	Mx	.019	.25
40	MP2A	X	-12.352	4.25
41	MP2A	Z	-21.394	4.25
42	MP2A	Mx	.019	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	-12.61	.25
44	MP2B	Z	-21.842	.25
45	MP2B	Mx	-.01	.25
46	MP2B	X	-12.61	4.25
47	MP2B	Z	-21.842	4.25
48	MP2B	Mx	-.01	4.25
49	MP2C	X	-10.952	.25
50	MP2C	Z	-18.97	.25
51	MP2C	Mx	-.009	.25
52	MP2C	X	-10.952	4.25
53	MP2C	Z	-18.97	4.25
54	MP2C	Mx	-.009	4.25
55	MP1A	X	-6.509	1.25
56	MP1A	Z	-11.274	1.25
57	MP1A	Mx	.003	1.25
58	MP1A	X	-6.509	3.25
59	MP1A	Z	-11.274	3.25
60	MP1A	Mx	.003	3.25
61	MP1B	X	-7.089	1.25
62	MP1B	Z	-12.279	1.25
63	MP1B	Mx	.002	1.25
64	MP1B	X	-7.089	3.25
65	MP1B	Z	-12.279	3.25
66	MP1B	Mx	.002	3.25
67	MP1C	X	-3.237	1.25
68	MP1C	Z	-5.607	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	-3.237	3.25
71	MP1C	Z	-5.607	3.25
72	MP1C	Mx	-.003	3.25
73	M122	X	-11.977	1
74	M122	Z	-20.745	1
75	M122	Mx	0	1
76	MP2A	X	-5.918	1
77	MP2A	Z	-10.25	1
78	MP2A	Mx	-.003	1
79	MP2B	X	-6.177	1
80	MP2B	Z	-10.699	1
81	MP2B	Mx	-.002	1
82	MP2C	X	-4.514	1
83	MP2C	Z	-7.819	1
84	MP2C	Mx	.004	1
85	MP3A	X	-5.733	1
86	MP3A	Z	-9.929	1
87	MP3A	Mx	-.003	1
88	MP3B	X	-6.09	1
89	MP3B	Z	-10.549	1
90	MP3B	Mx	-.002	1
91	MP3C	X	-3.796	1
92	MP3C	Z	-6.575	1
93	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-2.288	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-2.288	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-1.541	1.25
9	MP3B	Mx	.00059	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-1.541	3.25
12	MP3B	Mx	.00059	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-1.164	1.25
15	MP3C	Mx	-.000547	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-1.164	3.25
18	MP3C	Mx	-.000547	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-8.378	.25
21	MP2A	Mx	-.005	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-8.378	4.25
24	MP2A	Mx	-.005	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-7.573	.25
27	MP2B	Mx	.006	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-7.573	4.25
30	MP2B	Mx	.006	4.25
31	MP2C	X	0	.25
32	MP2C	Z	-7.168	.25
33	MP2C	Mx	-.002	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-7.168	4.25
36	MP2C	Mx	-.002	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-8.378	.25
39	MP2A	Mx	.005	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-8.378	4.25
42	MP2A	Mx	.005	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-7.573	.25
45	MP2B	Mx	6.1e-5	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-7.573	4.25
48	MP2B	Mx	6.1e-5	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-7.168	.25
51	MP2C	Mx	-.005	.25
52	MP2C	X	0	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-7.168	4.25
54	MP2C	Mx	-.005	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	-4.843	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	-4.843	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	-3.114	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	-3.114	3.25
66	MP1B	Mx	.001	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	-2.633	1.25
69	MP1C	Mx	-.001	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	-2.633	3.25
72	MP1C	Mx	-.001	3.25
73	M122	X	0	1
74	M122	Z	-8.308	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	-3.854	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	-3.104	1
81	MP2B	Mx	-.001	1
82	MP2C	X	0	1
83	MP2C	Z	-2.726	1
84	MP2C	Mx	.001	1
85	MP3A	X	0	1
86	MP3A	Z	-3.854	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	-2.817	1
90	MP3B	Mx	-.001	1
91	MP3C	X	0	1
92	MP3C	Z	-2.293	1
93	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.985	1.25
2	MP3A	Z	-1.706	1.25
3	MP3A	Mx	-.000492	1.25
4	MP3A	X	.985	3.25
5	MP3A	Z	-1.706	3.25
6	MP3A	Mx	-.000492	3.25
7	MP3B	X	.527	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-.912	1.25
9	MP3B	Mx	.000519	1.25
10	MP3B	X	.527	3.25
11	MP3B	Z	-.912	3.25
12	MP3B	Mx	.000519	3.25
13	MP3C	X	.881	1.25
14	MP3C	Z	-1.526	1.25
15	MP3C	Mx	-.000566	1.25
16	MP3C	X	.881	3.25
17	MP3C	Z	-1.526	3.25
18	MP3C	Mx	-.000566	3.25
19	MP2A	X	4.018	.25
20	MP2A	Z	-6.959	.25
21	MP2A	Mx	-.006	.25
22	MP2A	X	4.018	4.25
23	MP2A	Z	-6.959	4.25
24	MP2A	Mx	-.006	4.25
25	MP2B	X	3.524	.25
26	MP2B	Z	-6.104	.25
27	MP2B	Mx	.004	.25
28	MP2B	X	3.524	4.25
29	MP2B	Z	-6.104	4.25
30	MP2B	Mx	.004	4.25
31	MP2C	X	3.906	.25
32	MP2C	Z	-6.765	.25
33	MP2C	Mx	.00098	.25
34	MP2C	X	3.906	4.25
35	MP2C	Z	-6.765	4.25
36	MP2C	Mx	.00098	4.25
37	MP2A	X	4.018	.25
38	MP2A	Z	-6.959	.25
39	MP2A	Mx	.002	.25
40	MP2A	X	4.018	4.25
41	MP2A	Z	-6.959	4.25
42	MP2A	Mx	.002	4.25
43	MP2B	X	3.524	.25
44	MP2B	Z	-6.104	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	3.524	4.25
47	MP2B	Z	-6.104	4.25
48	MP2B	Mx	.003	4.25
49	MP2C	X	3.906	.25
50	MP2C	Z	-6.765	.25
51	MP2C	Mx	-.006	.25
52	MP2C	X	3.906	4.25
53	MP2C	Z	-6.765	4.25
54	MP2C	Mx	-.006	4.25
55	MP1A	X	2.053	1.25
56	MP1A	Z	-3.556	1.25
57	MP1A	Mx	-.001	1.25
58	MP1A	X	2.053	3.25
59	MP1A	Z	-3.556	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.001	3.25
61	MP1B	X	.992	1.25
62	MP1B	Z	-1.719	1.25
63	MP1B	Mx	.000977	1.25
64	MP1B	X	.992	3.25
65	MP1B	Z	-1.719	3.25
66	MP1B	Mx	.000977	3.25
67	MP1C	X	2.053	1.25
68	MP1C	Z	-3.556	1.25
69	MP1C	Mx	-.001	1.25
70	MP1C	X	2.053	3.25
71	MP1C	Z	-3.556	3.25
72	MP1C	Mx	-.001	3.25
73	M122	X	4.068	1
74	M122	Z	-7.045	1
75	M122	Mx	0	1
76	MP2A	X	1.767	1
77	MP2A	Z	-3.061	1
78	MP2A	Mx	.000884	1
79	MP2B	X	1.307	1
80	MP2B	Z	-2.264	1
81	MP2B	Mx	-.001	1
82	MP2C	X	1.663	1
83	MP2C	Z	-2.88	1
84	MP2C	Mx	.001	1
85	MP3A	X	1.706	1
86	MP3A	Z	-2.955	1
87	MP3A	Mx	.000853	1
88	MP3B	X	1.07	1
89	MP3B	Z	-1.853	1
90	MP3B	Mx	-.001	1
91	MP3C	X	1.562	1
92	MP3C	Z	-2.705	1
93	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.154	1.25
2	MP3A	Z	-.666	1.25
3	MP3A	Mx	-.000577	1.25
4	MP3A	X	1.154	3.25
5	MP3A	Z	-.666	3.25
6	MP3A	Mx	-.000577	3.25
7	MP3B	X	1.008	1.25
8	MP3B	Z	-.582	1.25
9	MP3B	Mx	.000547	1.25
10	MP3B	X	1.008	3.25
11	MP3B	Z	-.582	3.25
12	MP3B	Mx	.000547	3.25
13	MP3C	X	1.948	1.25
14	MP3C	Z	-1.125	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	-.000195	1.25
16	MP3C	X	1.948	3.25
17	MP3C	Z	-1.125	3.25
18	MP3C	Mx	-.000195	3.25
19	MP2A	X	6.365	.25
20	MP2A	Z	-3.675	.25
21	MP2A	Mx	-.005	.25
22	MP2A	X	6.365	4.25
23	MP2A	Z	-3.675	4.25
24	MP2A	Mx	-.005	4.25
25	MP2B	X	6.207	.25
26	MP2B	Z	-3.584	.25
27	MP2B	Mx	.002	.25
28	MP2B	X	6.207	4.25
29	MP2B	Z	-3.584	4.25
30	MP2B	Mx	.002	4.25
31	MP2C	X	7.22	.25
32	MP2C	Z	-4.168	.25
33	MP2C	Mx	.004	.25
34	MP2C	X	7.22	4.25
35	MP2C	Z	-4.168	4.25
36	MP2C	Mx	.004	4.25
37	MP2A	X	6.365	.25
38	MP2A	Z	-3.675	.25
39	MP2A	Mx	-.001	.25
40	MP2A	X	6.365	4.25
41	MP2A	Z	-3.675	4.25
42	MP2A	Mx	-.001	4.25
43	MP2B	X	6.207	.25
44	MP2B	Z	-3.584	.25
45	MP2B	Mx	.005	.25
46	MP2B	X	6.207	4.25
47	MP2B	Z	-3.584	4.25
48	MP2B	Mx	.005	4.25
49	MP2C	X	7.22	.25
50	MP2C	Z	-4.168	.25
51	MP2C	Mx	-.006	.25
52	MP2C	X	7.22	4.25
53	MP2C	Z	-4.168	4.25
54	MP2C	Mx	-.006	4.25
55	MP1A	X	2.28	1.25
56	MP1A	Z	-1.316	1.25
57	MP1A	Mx	-.001	1.25
58	MP1A	X	2.28	3.25
59	MP1A	Z	-1.316	3.25
60	MP1A	Mx	-.001	3.25
61	MP1B	X	1.941	1.25
62	MP1B	Z	-1.12	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	1.941	3.25
65	MP1B	Z	-1.12	3.25
66	MP1B	Mx	.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	4.194	1.25
68	MP1C	Z	-2.422	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	4.194	3.25
71	MP1C	Z	-2.422	3.25
72	MP1C	Mx	0	3.25
73	M122	X	6.238	1
74	M122	Z	-3.602	1
75	M122	Mx	0	1
76	MP2A	X	2.508	1
77	MP2A	Z	-1.448	1
78	MP2A	Mx	.001	1
79	MP2B	X	2.36	1
80	MP2B	Z	-1.363	1
81	MP2B	Mx	-.001	1
82	MP2C	X	3.304	1
83	MP2C	Z	-1.908	1
84	MP2C	Mx	.000331	1
85	MP3A	X	2.19	1
86	MP3A	Z	-1.264	1
87	MP3A	Mx	.001	1
88	MP3B	X	1.986	1
89	MP3B	Z	-1.147	1
90	MP3B	Mx	-.001	1
91	MP3C	X	3.291	1
92	MP3C	Z	-1.9	1
93	MP3C	Mx	.00033	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.015	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.000508	1.25
4	MP3A	X	1.015	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.000508	3.25
7	MP3B	X	1.762	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.000566	1.25
10	MP3B	X	1.762	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.000566	3.25
13	MP3C	X	2.139	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.000366	1.25
16	MP3C	X	2.139	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.000366	3.25
19	MP2A	X	7.007	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.004	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	7.007	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	-.004	4.25
25	MP2B	X	7.811	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.00098	.25
28	MP2B	X	7.811	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.00098	4.25
31	MP2C	X	8.217	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.006	.25
34	MP2C	X	8.217	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	.006	4.25
37	MP2A	X	7.007	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.004	.25
40	MP2A	X	7.007	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.004	4.25
43	MP2B	X	7.811	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.006	.25
46	MP2B	X	7.811	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.006	4.25
49	MP2C	X	8.217	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	8.217	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.003	4.25
55	MP1A	X	1.896	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.000948	1.25
58	MP1A	X	1.896	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	-.000948	3.25
61	MP1B	X	3.626	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	3.626	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	.001	3.25
67	MP1C	X	4.106	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.001	1.25
70	MP1C	X	4.106	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	.001	3.25
73	M122	X	6.444	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	2.576	1
77	MP2A	Z	0	1
78	MP2A	Mx	.001	1
79	MP2B	X	3.326	1
80	MP2B	Z	0	1
81	MP2B	Mx	-.001	1
82	MP2C	X	3.704	1
83	MP2C	Z	0	1
84	MP2C	Mx	-.000633	1
85	MP3A	X	2.087	1
86	MP3A	Z	0	1
87	MP3A	Mx	.001	1
88	MP3B	X	3.124	1
89	MP3B	Z	0	1
90	MP3B	Mx	-.001	1
91	MP3C	X	3.647	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.000624	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.154	1.25
2	MP3A	Z	.666	1.25
3	MP3A	Mx	-.000577	1.25
4	MP3A	X	1.154	3.25
5	MP3A	Z	.666	3.25
6	MP3A	Mx	-.000577	3.25
7	MP3B	X	1.948	1.25
8	MP3B	Z	1.125	1.25
9	MP3B	Mx	.000195	1.25
10	MP3B	X	1.948	3.25
11	MP3B	Z	1.125	3.25
12	MP3B	Mx	.000195	3.25
13	MP3C	X	1.334	1.25
14	MP3C	Z	.77	1.25
15	MP3C	Mx	.00059	1.25
16	MP3C	X	1.334	3.25
17	MP3C	Z	.77	3.25
18	MP3C	Mx	.00059	3.25
19	MP2A	X	6.365	.25
20	MP2A	Z	3.675	.25
21	MP2A	Mx	-.001	.25
22	MP2A	X	6.365	4.25
23	MP2A	Z	3.675	4.25
24	MP2A	Mx	-.001	4.25
25	MP2B	X	7.22	.25
26	MP2B	Z	4.168	.25
27	MP2B	Mx	-.004	.25
28	MP2B	X	7.22	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	4.168	4.25
30	MP2B	Mx	-.004	4.25
31	MP2C	X	6.559	.25
32	MP2C	Z	3.787	.25
33	MP2C	Mx	.006	.25
34	MP2C	X	6.559	4.25
35	MP2C	Z	3.787	4.25
36	MP2C	Mx	.006	4.25
37	MP2A	X	6.365	.25
38	MP2A	Z	3.675	.25
39	MP2A	Mx	-.005	.25
40	MP2A	X	6.365	4.25
41	MP2A	Z	3.675	4.25
42	MP2A	Mx	-.005	4.25
43	MP2B	X	7.22	.25
44	MP2B	Z	4.168	.25
45	MP2B	Mx	.006	.25
46	MP2B	X	7.22	4.25
47	MP2B	Z	4.168	4.25
48	MP2B	Mx	.006	4.25
49	MP2C	X	6.559	.25
50	MP2C	Z	3.787	.25
51	MP2C	Mx	6.1e-5	.25
52	MP2C	X	6.559	4.25
53	MP2C	Z	3.787	4.25
54	MP2C	Mx	6.1e-5	4.25
55	MP1A	X	2.28	1.25
56	MP1A	Z	1.316	1.25
57	MP1A	Mx	-.001	1.25
58	MP1A	X	2.28	3.25
59	MP1A	Z	1.316	3.25
60	MP1A	Mx	-.001	3.25
61	MP1B	X	4.117	1.25
62	MP1B	Z	2.377	1.25
63	MP1B	Mx	.000413	1.25
64	MP1B	X	4.117	3.25
65	MP1B	Z	2.377	3.25
66	MP1B	Mx	.000413	3.25
67	MP1C	X	2.28	1.25
68	MP1C	Z	1.316	1.25
69	MP1C	Mx	.001	1.25
70	MP1C	X	2.28	3.25
71	MP1C	Z	1.316	3.25
72	MP1C	Mx	.001	3.25
73	M122	X	5.729	1
74	M122	Z	3.308	1
75	M122	Mx	0	1
76	MP2A	X	2.508	1
77	MP2A	Z	1.448	1
78	MP2A	Mx	.001	1
79	MP2B	X	3.304	1
80	MP2B	Z	1.908	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.000331	1
82	MP2C	X	2.688	1
83	MP2C	Z	1.552	1
84	MP2C	Mx	-.001	1
85	MP3A	X	2.19	1
86	MP3A	Z	1.264	1
87	MP3A	Mx	.001	1
88	MP3B	X	3.291	1
89	MP3B	Z	1.9	1
90	MP3B	Mx	-.00033	1
91	MP3C	X	2.439	1
92	MP3C	Z	1.408	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.985	1.25
2	MP3A	Z	1.706	1.25
3	MP3A	Mx	-.000492	1.25
4	MP3A	X	.985	3.25
5	MP3A	Z	1.706	3.25
6	MP3A	Mx	-.000492	3.25
7	MP3B	X	1.069	1.25
8	MP3B	Z	1.852	1.25
9	MP3B	Mx	-.000366	1.25
10	MP3B	X	1.069	3.25
11	MP3B	Z	1.852	3.25
12	MP3B	Mx	-.000366	3.25
13	MP3C	X	.527	1.25
14	MP3C	Z	.912	1.25
15	MP3C	Mx	.000519	1.25
16	MP3C	X	.527	3.25
17	MP3C	Z	.912	3.25
18	MP3C	Mx	.000519	3.25
19	MP2A	X	4.018	.25
20	MP2A	Z	6.959	.25
21	MP2A	Mx	.002	.25
22	MP2A	X	4.018	4.25
23	MP2A	Z	6.959	4.25
24	MP2A	Mx	.002	4.25
25	MP2B	X	4.109	.25
26	MP2B	Z	7.116	.25
27	MP2B	Mx	-.006	.25
28	MP2B	X	4.109	4.25
29	MP2B	Z	7.116	4.25
30	MP2B	Mx	-.006	4.25
31	MP2C	X	3.524	.25
32	MP2C	Z	6.104	.25
33	MP2C	Mx	.004	.25
34	MP2C	X	3.524	4.25
35	MP2C	Z	6.104	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.004	4.25
37	MP2A	X	4.018	.25
38	MP2A	Z	6.959	.25
39	MP2A	Mx	-.006	.25
40	MP2A	X	4.018	4.25
41	MP2A	Z	6.959	4.25
42	MP2A	Mx	-.006	4.25
43	MP2B	X	4.109	.25
44	MP2B	Z	7.116	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	4.109	4.25
47	MP2B	Z	7.116	4.25
48	MP2B	Mx	.003	4.25
49	MP2C	X	3.524	.25
50	MP2C	Z	6.104	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	3.524	4.25
53	MP2C	Z	6.104	4.25
54	MP2C	Mx	.003	4.25
55	MP1A	X	2.053	1.25
56	MP1A	Z	3.556	1.25
57	MP1A	Mx	-.001	1.25
58	MP1A	X	2.053	3.25
59	MP1A	Z	3.556	3.25
60	MP1A	Mx	-.001	3.25
61	MP1B	X	2.249	1.25
62	MP1B	Z	3.896	1.25
63	MP1B	Mx	-.000769	1.25
64	MP1B	X	2.249	3.25
65	MP1B	Z	3.896	3.25
66	MP1B	Mx	-.000769	3.25
67	MP1C	X	.948	1.25
68	MP1C	Z	1.642	1.25
69	MP1C	Mx	.000948	1.25
70	MP1C	X	.948	3.25
71	MP1C	Z	1.642	3.25
72	MP1C	Mx	.000948	3.25
73	M122	X	3.774	1
74	M122	Z	6.537	1
75	M122	Mx	0	1
76	MP2A	X	1.767	1
77	MP2A	Z	3.061	1
78	MP2A	Mx	.000884	1
79	MP2B	X	1.852	1
80	MP2B	Z	3.208	1
81	MP2B	Mx	.000634	1
82	MP2C	X	1.307	1
83	MP2C	Z	2.264	1
84	MP2C	Mx	-.001	1
85	MP3A	X	1.706	1
86	MP3A	Z	2.955	1
87	MP3A	Mx	.000853	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	1.824	1
89	MP3B	Z	3.159	1
90	MP3B	Mx	.000624	1
91	MP3C	X	1.07	1
92	MP3C	Z	1.853	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	2.288	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	2.288	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	1.541	1.25
9	MP3B	Mx	-.00059	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	1.541	3.25
12	MP3B	Mx	-.00059	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	1.164	1.25
15	MP3C	Mx	.000547	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	1.164	3.25
18	MP3C	Mx	.000547	3.25
19	MP2A	X	0	.25
20	MP2A	Z	8.378	.25
21	MP2A	Mx	.005	.25
22	MP2A	X	0	4.25
23	MP2A	Z	8.378	4.25
24	MP2A	Mx	.005	4.25
25	MP2B	X	0	.25
26	MP2B	Z	7.573	.25
27	MP2B	Mx	-.006	.25
28	MP2B	X	0	4.25
29	MP2B	Z	7.573	4.25
30	MP2B	Mx	-.006	4.25
31	MP2C	X	0	.25
32	MP2C	Z	7.168	.25
33	MP2C	Mx	.002	.25
34	MP2C	X	0	4.25
35	MP2C	Z	7.168	4.25
36	MP2C	Mx	.002	4.25
37	MP2A	X	0	.25
38	MP2A	Z	8.378	.25
39	MP2A	Mx	-.005	.25
40	MP2A	X	0	4.25
41	MP2A	Z	8.378	4.25
42	MP2A	Mx	-.005	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	0	.25
44	MP2B	Z	7.573	.25
45	MP2B	Mx	-6.1e-5	.25
46	MP2B	X	0	4.25
47	MP2B	Z	7.573	4.25
48	MP2B	Mx	-6.1e-5	4.25
49	MP2C	X	0	.25
50	MP2C	Z	7.168	.25
51	MP2C	Mx	.005	.25
52	MP2C	X	0	4.25
53	MP2C	Z	7.168	4.25
54	MP2C	Mx	.005	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	4.843	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	4.843	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	3.114	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	3.114	3.25
66	MP1B	Mx	-.001	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	2.633	1.25
69	MP1C	Mx	.001	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	2.633	3.25
72	MP1C	Mx	.001	3.25
73	M122	X	0	1
74	M122	Z	8.308	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	3.854	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	3.104	1
81	MP2B	Mx	.001	1
82	MP2C	X	0	1
83	MP2C	Z	2.726	1
84	MP2C	Mx	-.001	1
85	MP3A	X	0	1
86	MP3A	Z	3.854	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	2.817	1
90	MP3B	Mx	.001	1
91	MP3C	X	0	1
92	MP3C	Z	2.293	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.985	1.25
2	MP3A	Z	1.706	1.25
3	MP3A	Mx	.000492	1.25
4	MP3A	X	-.985	3.25
5	MP3A	Z	1.706	3.25
6	MP3A	Mx	.000492	3.25
7	MP3B	X	-.527	1.25
8	MP3B	Z	.912	1.25
9	MP3B	Mx	-.000519	1.25
10	MP3B	X	-.527	3.25
11	MP3B	Z	.912	3.25
12	MP3B	Mx	-.000519	3.25
13	MP3C	X	-.881	1.25
14	MP3C	Z	1.526	1.25
15	MP3C	Mx	.000566	1.25
16	MP3C	X	-.881	3.25
17	MP3C	Z	1.526	3.25
18	MP3C	Mx	.000566	3.25
19	MP2A	X	-4.018	.25
20	MP2A	Z	6.959	.25
21	MP2A	Mx	.006	.25
22	MP2A	X	-4.018	4.25
23	MP2A	Z	6.959	4.25
24	MP2A	Mx	.006	4.25
25	MP2B	X	-3.524	.25
26	MP2B	Z	6.104	.25
27	MP2B	Mx	-.004	.25
28	MP2B	X	-3.524	4.25
29	MP2B	Z	6.104	4.25
30	MP2B	Mx	-.004	4.25
31	MP2C	X	-3.906	.25
32	MP2C	Z	6.765	.25
33	MP2C	Mx	-.00098	.25
34	MP2C	X	-3.906	4.25
35	MP2C	Z	6.765	4.25
36	MP2C	Mx	-.00098	4.25
37	MP2A	X	-4.018	.25
38	MP2A	Z	6.959	.25
39	MP2A	Mx	-.002	.25
40	MP2A	X	-4.018	4.25
41	MP2A	Z	6.959	4.25
42	MP2A	Mx	-.002	4.25
43	MP2B	X	-3.524	.25
44	MP2B	Z	6.104	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	-3.524	4.25
47	MP2B	Z	6.104	4.25
48	MP2B	Mx	-.003	4.25
49	MP2C	X	-3.906	.25
50	MP2C	Z	6.765	.25
51	MP2C	Mx	.006	.25
52	MP2C	X	-3.906	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	6.765	4.25
54	MP2C	Mx	.006	4.25
55	MP1A	X	-2.053	1.25
56	MP1A	Z	3.556	1.25
57	MP1A	Mx	.001	1.25
58	MP1A	X	-2.053	3.25
59	MP1A	Z	3.556	3.25
60	MP1A	Mx	.001	3.25
61	MP1B	X	-.992	1.25
62	MP1B	Z	1.719	1.25
63	MP1B	Mx	-.000977	1.25
64	MP1B	X	-.992	3.25
65	MP1B	Z	1.719	3.25
66	MP1B	Mx	-.000977	3.25
67	MP1C	X	-2.053	1.25
68	MP1C	Z	3.556	1.25
69	MP1C	Mx	.001	1.25
70	MP1C	X	-2.053	3.25
71	MP1C	Z	3.556	3.25
72	MP1C	Mx	.001	3.25
73	M122	X	-4.068	1
74	M122	Z	7.045	1
75	M122	Mx	0	1
76	MP2A	X	-1.767	1
77	MP2A	Z	3.061	1
78	MP2A	Mx	-.000884	1
79	MP2B	X	-1.307	1
80	MP2B	Z	2.264	1
81	MP2B	Mx	.001	1
82	MP2C	X	-1.663	1
83	MP2C	Z	2.88	1
84	MP2C	Mx	-.001	1
85	MP3A	X	-1.706	1
86	MP3A	Z	2.955	1
87	MP3A	Mx	-.000853	1
88	MP3B	X	-1.07	1
89	MP3B	Z	1.853	1
90	MP3B	Mx	.001	1
91	MP3C	X	-1.562	1
92	MP3C	Z	2.705	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.154	1.25
2	MP3A	Z	.666	1.25
3	MP3A	Mx	.000577	1.25
4	MP3A	X	-1.154	3.25
5	MP3A	Z	.666	3.25
6	MP3A	Mx	.000577	3.25
7	MP3B	X	-1.008	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	.582	1.25
9	MP3B	Mx	-.000547	1.25
10	MP3B	X	-1.008	3.25
11	MP3B	Z	.582	3.25
12	MP3B	Mx	-.000547	3.25
13	MP3C	X	-1.948	1.25
14	MP3C	Z	1.125	1.25
15	MP3C	Mx	.000195	1.25
16	MP3C	X	-1.948	3.25
17	MP3C	Z	1.125	3.25
18	MP3C	Mx	.000195	3.25
19	MP2A	X	-6.365	.25
20	MP2A	Z	3.675	.25
21	MP2A	Mx	.005	.25
22	MP2A	X	-6.365	4.25
23	MP2A	Z	3.675	4.25
24	MP2A	Mx	.005	4.25
25	MP2B	X	-6.207	.25
26	MP2B	Z	3.584	.25
27	MP2B	Mx	-.002	.25
28	MP2B	X	-6.207	4.25
29	MP2B	Z	3.584	4.25
30	MP2B	Mx	-.002	4.25
31	MP2C	X	-7.22	.25
32	MP2C	Z	4.168	.25
33	MP2C	Mx	-.004	.25
34	MP2C	X	-7.22	4.25
35	MP2C	Z	4.168	4.25
36	MP2C	Mx	-.004	4.25
37	MP2A	X	-6.365	.25
38	MP2A	Z	3.675	.25
39	MP2A	Mx	.001	.25
40	MP2A	X	-6.365	4.25
41	MP2A	Z	3.675	4.25
42	MP2A	Mx	.001	4.25
43	MP2B	X	-6.207	.25
44	MP2B	Z	3.584	.25
45	MP2B	Mx	-.005	.25
46	MP2B	X	-6.207	4.25
47	MP2B	Z	3.584	4.25
48	MP2B	Mx	-.005	4.25
49	MP2C	X	-7.22	.25
50	MP2C	Z	4.168	.25
51	MP2C	Mx	.006	.25
52	MP2C	X	-7.22	4.25
53	MP2C	Z	4.168	4.25
54	MP2C	Mx	.006	4.25
55	MP1A	X	-2.28	1.25
56	MP1A	Z	1.316	1.25
57	MP1A	Mx	.001	1.25
58	MP1A	X	-2.28	3.25
59	MP1A	Z	1.316	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.001	3.25
61	MP1B	X	-1.941	1.25
62	MP1B	Z	1.12	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-1.941	3.25
65	MP1B	Z	1.12	3.25
66	MP1B	Mx	-.001	3.25
67	MP1C	X	-4.194	1.25
68	MP1C	Z	2.422	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	-4.194	3.25
71	MP1C	Z	2.422	3.25
72	MP1C	Mx	0	3.25
73	M122	X	-6.238	1
74	M122	Z	3.602	1
75	M122	Mx	0	1
76	MP2A	X	-2.508	1
77	MP2A	Z	1.448	1
78	MP2A	Mx	-.001	1
79	MP2B	X	-2.36	1
80	MP2B	Z	1.363	1
81	MP2B	Mx	.001	1
82	MP2C	X	-3.304	1
83	MP2C	Z	1.908	1
84	MP2C	Mx	-.000331	1
85	MP3A	X	-2.19	1
86	MP3A	Z	1.264	1
87	MP3A	Mx	-.001	1
88	MP3B	X	-1.986	1
89	MP3B	Z	1.147	1
90	MP3B	Mx	.001	1
91	MP3C	X	-3.291	1
92	MP3C	Z	1.9	1
93	MP3C	Mx	-.00033	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.015	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.000508	1.25
4	MP3A	X	-1.015	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.000508	3.25
7	MP3B	X	-1.762	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.000566	1.25
10	MP3B	X	-1.762	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.000566	3.25
13	MP3C	X	-2.139	1.25
14	MP3C	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	-.000366	1.25
16	MP3C	X	-2.139	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.000366	3.25
19	MP2A	X	-7.007	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.004	.25
22	MP2A	X	-7.007	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	.004	4.25
25	MP2B	X	-7.811	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.00098	.25
28	MP2B	X	-7.811	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	.00098	4.25
31	MP2C	X	-8.217	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.006	.25
34	MP2C	X	-8.217	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.006	4.25
37	MP2A	X	-7.007	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.004	.25
40	MP2A	X	-7.007	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.004	4.25
43	MP2B	X	-7.811	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.006	.25
46	MP2B	X	-7.811	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	-.006	4.25
49	MP2C	X	-8.217	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	-8.217	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.003	4.25
55	MP1A	X	-1.896	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.000948	1.25
58	MP1A	X	-1.896	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	.000948	3.25
61	MP1B	X	-3.626	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-3.626	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	-.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	-4.106	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.001	1.25
70	MP1C	X	-4.106	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	-.001	3.25
73	M122	X	-6.444	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	-2.576	1
77	MP2A	Z	0	1
78	MP2A	Mx	-.001	1
79	MP2B	X	-3.326	1
80	MP2B	Z	0	1
81	MP2B	Mx	.001	1
82	MP2C	X	-3.704	1
83	MP2C	Z	0	1
84	MP2C	Mx	.000633	1
85	MP3A	X	-2.087	1
86	MP3A	Z	0	1
87	MP3A	Mx	-.001	1
88	MP3B	X	-3.124	1
89	MP3B	Z	0	1
90	MP3B	Mx	.001	1
91	MP3C	X	-3.647	1
92	MP3C	Z	0	1
93	MP3C	Mx	.000624	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.154	1.25
2	MP3A	Z	-.666	1.25
3	MP3A	Mx	.000577	1.25
4	MP3A	X	-1.154	3.25
5	MP3A	Z	-.666	3.25
6	MP3A	Mx	.000577	3.25
7	MP3B	X	-1.948	1.25
8	MP3B	Z	-1.125	1.25
9	MP3B	Mx	-.000195	1.25
10	MP3B	X	-1.948	3.25
11	MP3B	Z	-1.125	3.25
12	MP3B	Mx	-.000195	3.25
13	MP3C	X	-1.334	1.25
14	MP3C	Z	-.77	1.25
15	MP3C	Mx	-.00059	1.25
16	MP3C	X	-1.334	3.25
17	MP3C	Z	-.77	3.25
18	MP3C	Mx	-.00059	3.25
19	MP2A	X	-6.365	.25
20	MP2A	Z	-3.675	.25
21	MP2A	Mx	.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-6.365	4.25
23	MP2A	Z	-3.675	4.25
24	MP2A	Mx	.001	4.25
25	MP2B	X	-7.22	.25
26	MP2B	Z	-4.168	.25
27	MP2B	Mx	.004	.25
28	MP2B	X	-7.22	4.25
29	MP2B	Z	-4.168	4.25
30	MP2B	Mx	.004	4.25
31	MP2C	X	-6.559	.25
32	MP2C	Z	-3.787	.25
33	MP2C	Mx	-.006	.25
34	MP2C	X	-6.559	4.25
35	MP2C	Z	-3.787	4.25
36	MP2C	Mx	-.006	4.25
37	MP2A	X	-6.365	.25
38	MP2A	Z	-3.675	.25
39	MP2A	Mx	.005	.25
40	MP2A	X	-6.365	4.25
41	MP2A	Z	-3.675	4.25
42	MP2A	Mx	.005	4.25
43	MP2B	X	-7.22	.25
44	MP2B	Z	-4.168	.25
45	MP2B	Mx	-.006	.25
46	MP2B	X	-7.22	4.25
47	MP2B	Z	-4.168	4.25
48	MP2B	Mx	-.006	4.25
49	MP2C	X	-6.559	.25
50	MP2C	Z	-3.787	.25
51	MP2C	Mx	-6.1e-5	.25
52	MP2C	X	-6.559	4.25
53	MP2C	Z	-3.787	4.25
54	MP2C	Mx	-6.1e-5	4.25
55	MP1A	X	-2.28	1.25
56	MP1A	Z	-1.316	1.25
57	MP1A	Mx	.001	1.25
58	MP1A	X	-2.28	3.25
59	MP1A	Z	-1.316	3.25
60	MP1A	Mx	.001	3.25
61	MP1B	X	-4.117	1.25
62	MP1B	Z	-2.377	1.25
63	MP1B	Mx	-.000413	1.25
64	MP1B	X	-4.117	3.25
65	MP1B	Z	-2.377	3.25
66	MP1B	Mx	-.000413	3.25
67	MP1C	X	-2.28	1.25
68	MP1C	Z	-1.316	1.25
69	MP1C	Mx	-.001	1.25
70	MP1C	X	-2.28	3.25
71	MP1C	Z	-1.316	3.25
72	MP1C	Mx	-.001	3.25
73	M122	X	-5.729	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	-3.308	1
75	M122	Mx	0	1
76	MP2A	X	-2.508	1
77	MP2A	Z	-1.448	1
78	MP2A	Mx	-.001	1
79	MP2B	X	-3.304	1
80	MP2B	Z	-1.908	1
81	MP2B	Mx	.000331	1
82	MP2C	X	-2.688	1
83	MP2C	Z	-1.552	1
84	MP2C	Mx	.001	1
85	MP3A	X	-2.19	1
86	MP3A	Z	-1.264	1
87	MP3A	Mx	-.001	1
88	MP3B	X	-3.291	1
89	MP3B	Z	-1.9	1
90	MP3B	Mx	.00033	1
91	MP3C	X	-2.439	1
92	MP3C	Z	-1.408	1
93	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.985	1.25
2	MP3A	Z	-1.706	1.25
3	MP3A	Mx	.000492	1.25
4	MP3A	X	-.985	3.25
5	MP3A	Z	-1.706	3.25
6	MP3A	Mx	.000492	3.25
7	MP3B	X	-1.069	1.25
8	MP3B	Z	-1.852	1.25
9	MP3B	Mx	.000366	1.25
10	MP3B	X	-1.069	3.25
11	MP3B	Z	-1.852	3.25
12	MP3B	Mx	.000366	3.25
13	MP3C	X	-.527	1.25
14	MP3C	Z	-.912	1.25
15	MP3C	Mx	-.000519	1.25
16	MP3C	X	-.527	3.25
17	MP3C	Z	-.912	3.25
18	MP3C	Mx	-.000519	3.25
19	MP2A	X	-4.018	.25
20	MP2A	Z	-6.959	.25
21	MP2A	Mx	-.002	.25
22	MP2A	X	-4.018	4.25
23	MP2A	Z	-6.959	4.25
24	MP2A	Mx	-.002	4.25
25	MP2B	X	-4.109	.25
26	MP2B	Z	-7.116	.25
27	MP2B	Mx	.006	.25
28	MP2B	X	-4.109	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-7.116	4.25
30	MP2B	Mx	.006	4.25
31	MP2C	X	-3.524	.25
32	MP2C	Z	-6.104	.25
33	MP2C	Mx	-.004	.25
34	MP2C	X	-3.524	4.25
35	MP2C	Z	-6.104	4.25
36	MP2C	Mx	-.004	4.25
37	MP2A	X	-4.018	.25
38	MP2A	Z	-6.959	.25
39	MP2A	Mx	.006	.25
40	MP2A	X	-4.018	4.25
41	MP2A	Z	-6.959	4.25
42	MP2A	Mx	.006	4.25
43	MP2B	X	-4.109	.25
44	MP2B	Z	-7.116	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	-4.109	4.25
47	MP2B	Z	-7.116	4.25
48	MP2B	Mx	-.003	4.25
49	MP2C	X	-3.524	.25
50	MP2C	Z	-6.104	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	-3.524	4.25
53	MP2C	Z	-6.104	4.25
54	MP2C	Mx	-.003	4.25
55	MP1A	X	-2.053	1.25
56	MP1A	Z	-3.556	1.25
57	MP1A	Mx	.001	1.25
58	MP1A	X	-2.053	3.25
59	MP1A	Z	-3.556	3.25
60	MP1A	Mx	.001	3.25
61	MP1B	X	-2.249	1.25
62	MP1B	Z	-3.896	1.25
63	MP1B	Mx	.000769	1.25
64	MP1B	X	-2.249	3.25
65	MP1B	Z	-3.896	3.25
66	MP1B	Mx	.000769	3.25
67	MP1C	X	-.948	1.25
68	MP1C	Z	-1.642	1.25
69	MP1C	Mx	-.000948	1.25
70	MP1C	X	-.948	3.25
71	MP1C	Z	-1.642	3.25
72	MP1C	Mx	-.000948	3.25
73	M122	X	-3.774	1
74	M122	Z	-6.537	1
75	M122	Mx	0	1
76	MP2A	X	-1.767	1
77	MP2A	Z	-3.061	1
78	MP2A	Mx	-.000884	1
79	MP2B	X	-1.852	1
80	MP2B	Z	-3.208	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.000634	1
82	MP2C	X	-1.307	1
83	MP2C	Z	-2.264	1
84	MP2C	Mx	.001	1
85	MP3A	X	-1.706	1
86	MP3A	Z	-2.955	1
87	MP3A	Mx	-.000853	1
88	MP3B	X	-1.824	1
89	MP3B	Z	-3.159	1
90	MP3B	Mx	-.000624	1
91	MP3C	X	-1.07	1
92	MP3C	Z	-1.853	1
93	MP3C	Mx	.001	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M98	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M99	Y	-500	0

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	%100

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	-6.566	-6.566	0	%100
2	M2	Y	-6.566	-6.566	0	%100
3	M3	Y	-6.566	-6.566	0	%100
4	M8	Y	-10.122	-10.122	0	%100
5	M9	Y	-10.122	-10.122	0	%100
6	M10	Y	-10.109	-10.109	0	%100
7	M11	Y	-10.109	-10.109	0	%100
8	M12	Y	-10.109	-10.109	0	%100
9	M13	Y	-10.109	-10.109	0	%100
10	M18	Y	-10.122	-10.122	0	%100
11	M19	Y	-10.122	-10.122	0	%100
12	M20	Y	-10.109	-10.109	0	%100
13	M21	Y	-10.109	-10.109	0	%100
14	M22	Y	-10.109	-10.109	0	%100
15	M23	Y	-10.109	-10.109	0	%100
16	M28	Y	-10.122	-10.122	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,%]
17	M29	Y	-10.122	-10.122	0	%100
18	M30	Y	-10.109	-10.109	0	%100
19	M31	Y	-10.109	-10.109	0	%100
20	M32	Y	-10.109	-10.109	0	%100
21	M33	Y	-10.109	-10.109	0	%100
22	M34	Y	-10.122	-10.122	0	%100
23	M35	Y	-10.122	-10.122	0	%100
24	M36	Y	-10.122	-10.122	0	%100
25	M41	Y	-9.609	-9.609	0	%100
26	M39A	Y	-9.609	-9.609	0	%100
27	M41A	Y	-9.609	-9.609	0	%100
28	M48	Y	-5.619	-5.619	0	%100
29	M49	Y	-5.619	-5.619	0	%100
30	M52	Y	-10.122	-10.122	0	%100
31	M53	Y	-10.109	-10.109	0	%100
32	M54	Y	-10.109	-10.109	0	%100
33	M57	Y	-10.122	-10.122	0	%100
34	M58	Y	-10.109	-10.109	0	%100
35	M59	Y	-10.109	-10.109	0	%100
36	M60	Y	-10.122	-10.122	0	%100
37	M61	Y	-9.609	-9.609	0	%100
38	M63	Y	-9.609	-9.609	0	%100
39	M65	Y	-9.609	-9.609	0	%100
40	M72	Y	-5.619	-5.619	0	%100
41	M73	Y	-5.619	-5.619	0	%100
42	M76	Y	-10.122	-10.122	0	%100
43	M77	Y	-10.109	-10.109	0	%100
44	M78	Y	-10.109	-10.109	0	%100
45	M81	Y	-10.122	-10.122	0	%100
46	M82	Y	-10.109	-10.109	0	%100
47	M83	Y	-10.109	-10.109	0	%100
48	M84	Y	-10.122	-10.122	0	%100
49	M85	Y	-9.609	-9.609	0	%100
50	M87	Y	-9.609	-9.609	0	%100
51	M89	Y	-9.609	-9.609	0	%100
52	M96	Y	-5.619	-5.619	0	%100
53	M97	Y	-5.619	-5.619	0	%100
54	MP1A	Y	-4.979	-4.979	0	%100
55	MP2A	Y	-5.685	-5.685	0	%100
56	MP3A	Y	-4.979	-4.979	0	%100
57	MP4A	Y	-4.979	-4.979	0	%100
58	MP1C	Y	-4.979	-4.979	0	%100
59	MP2C	Y	-5.685	-5.685	0	%100
60	MP3C	Y	-4.979	-4.979	0	%100
61	MP4C	Y	-4.979	-4.979	0	%100
62	MP1B	Y	-4.979	-4.979	0	%100
63	MP2B	Y	-5.685	-5.685	0	%100
64	MP3B	Y	-4.979	-4.979	0	%100
65	MP4B	Y	-4.979	-4.979	0	%100
66	M122	Y	-4.979	-4.979	0	%100
67	M124	Y	-5.685	-5.685	0	%100
68	M131	Y	-5.685	-5.685	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,%]
69	M138	Y	-5.685	-5.685	0	%100
70	M145	Y	-7.614	-7.614	0	%100
71	M146	Y	-7.614	-7.614	0	%100
72	M147	Y	-7.614	-7.614	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-10.6	-10.6	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.65	-2.65	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-2.65	-2.65	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-18.507	-18.507	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-18.507	-18.507	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-18.507	-18.507	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-18.507	-18.507	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-10.663	-10.663	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-13.628	-13.628	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-4.627	-4.627	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-4.627	-4.627	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-4.627	-4.627	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-4.627	-4.627	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-16.045	-16.045	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-4.627	-4.627	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-4.627	-4.627	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-4.627	-4.627	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-4.627	-4.627	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.548	-.548	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-13.628	-13.628	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-4.543	-4.543	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,%]
45	M35	X	0	0	0	%100
46	M35	Z	-4.543	-4.543	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-18.171	-18.171	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-7.98	-7.98	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	-2.237	-2.237	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	-2.243	-2.243	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-9.485	-9.485	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-2.668	-2.668	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	-4.627	-4.627	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	-4.627	-4.627	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-16.045	-16.045	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	-18.507	-18.507	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	-18.507	-18.507	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	-13.628	-13.628	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	-4.543	-4.543	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	-7.98	-7.98	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	-2.25	-2.25	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-2.257	-2.257	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	-2.592	-2.592	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	-9.465	-9.465	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	-4.627	-4.627	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-4.627	-4.627	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	-.548	-.548	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	-4.627	-4.627	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	-4.627	-4.627	0	%100
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	-18.171	-18.171	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,%]
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	-8.973	-8.973	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	-9	-9	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-2.16	-2.16	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	-2.083	-2.083	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	-7.193	-7.193	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	-8.707	-8.707	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	-7.193	-7.193	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	-7.193	-7.193	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	-7.193	-7.193	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	-8.707	-8.707	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	-7.193	-7.193	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	-7.193	-7.193	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	-7.193	-7.193	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	-8.707	-8.707	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	-7.193	-7.193	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	-7.193	-7.193	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	-5.882	-5.882	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	-8.707	-8.707	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	-2.177	-2.177	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	-2.177	-2.177	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	-2.797	-2.797	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	-11.187	-11.187	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	-2.797	-2.797	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,%]

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,%]
1	M1	X	3.975	3.975	0	%100
2	M1	Z	-6.885	-6.885	0	%100
3	M2	X	3.975	3.975	0	%100
4	M2	Z	-6.885	-6.885	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	6.94	6.94	0	%100
8	M8	Z	-12.021	-12.021	0	%100
9	M9	X	6.94	6.94	0	%100
10	M9	Z	-12.021	-12.021	0	%100
11	M10	X	6.94	6.94	0	%100
12	M10	Z	-12.021	-12.021	0	%100
13	M11	X	6.94	6.94	0	%100
14	M11	Z	-12.021	-12.021	0	%100
15	M12	X	1.063	1.063	0	%100
16	M12	Z	-1.841	-1.841	0	%100
17	M13	X	9.085	9.085	0	%100
18	M13	Z	-15.736	-15.736	0	%100
19	M18	X	6.94	6.94	0	%100
20	M18	Z	-12.021	-12.021	0	%100
21	M19	X	6.94	6.94	0	%100
22	M19	Z	-12.021	-12.021	0	%100
23	M20	X	6.94	6.94	0	%100
24	M20	Z	-12.021	-12.021	0	%100
25	M21	X	6.94	6.94	0	%100
26	M21	Z	-12.021	-12.021	0	%100
27	M22	X	8.811	8.811	0	%100
28	M22	Z	-15.262	-15.262	0	%100
29	M23	X	2.271	2.271	0	%100
30	M23	Z	-3.934	-3.934	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	3.754	3.754	0	%100
40	M32	Z	-6.502	-6.502	0	%100
41	M33	X	2.271	2.271	0	%100
42	M33	Z	-3.934	-3.934	0	%100
43	M34	X	6.814	6.814	0	%100
44	M34	Z	-11.802	-11.802	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	6.814	6.814	0	%100
48	M36	Z	-11.802	-11.802	0	%100
49	M41	X	1.33	1.33	0	%100
50	M41	Z	-2.304	-2.304	0	%100
51	M39A	X	3.362	3.362	0	%100
52	M39A	Z	-5.822	-5.822	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,%]
53	M41A	X	3.372	3.372	0	%100
54	M41A	Z	-5.84	-5.84	0	%100
55	M48	X	3.45	3.45	0	%100
56	M48	Z	-5.975	-5.975	0	%100
57	M49	X	.006	.006	0	%100
58	M49	Z	-.01	-.01	0	%100
59	M52	X	6.94	6.94	0	%100
60	M52	Z	-12.021	-12.021	0	%100
61	M53	X	6.94	6.94	0	%100
62	M53	Z	-12.021	-12.021	0	%100
63	M54	X	8.811	8.811	0	%100
64	M54	Z	-15.262	-15.262	0	%100
65	M57	X	6.94	6.94	0	%100
66	M57	Z	-12.021	-12.021	0	%100
67	M58	X	6.94	6.94	0	%100
68	M58	Z	-12.021	-12.021	0	%100
69	M59	X	9.085	9.085	0	%100
70	M59	Z	-15.736	-15.736	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	5.32	5.32	0	%100
74	M61	Z	-9.215	-9.215	0	%100
75	M63	X	3e-6	3e-6	0	%100
76	M63	Z	-6e-6	-6e-6	0	%100
77	M65	X	3e-6	3e-6	0	%100
78	M65	Z	-6e-6	-6e-6	0	%100
79	M72	X	3.666	3.666	0	%100
80	M72	Z	-6.349	-6.349	0	%100
81	M73	X	3.697	3.697	0	%100
82	M73	Z	-6.404	-6.404	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	3.754	3.754	0	%100
88	M78	Z	-6.502	-6.502	0	%100
89	M81	X	6.94	6.94	0	%100
90	M81	Z	-12.021	-12.021	0	%100
91	M82	X	6.94	6.94	0	%100
92	M82	Z	-12.021	-12.021	0	%100
93	M83	X	2.271	2.271	0	%100
94	M83	Z	-3.934	-3.934	0	%100
95	M84	X	6.814	6.814	0	%100
96	M84	Z	-11.802	-11.802	0	%100
97	M85	X	1.33	1.33	0	%100
98	M85	Z	-2.304	-2.304	0	%100
99	M87	X	3.368	3.368	0	%100
100	M87	Z	-5.834	-5.834	0	%100
101	M89	X	3.378	3.378	0	%100
102	M89	Z	-5.851	-5.851	0	%100
103	M96	X	.003	.003	0	%100
104	M96	Z	-.006	-.006	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,%]
105	M97	X	3.405	3.405	0	%100
106	M97	Z	-5.897	-5.897	0	%100
107	MP1A	X	3.596	3.596	0	%100
108	MP1A	Z	-6.229	-6.229	0	%100
109	MP2A	X	4.353	4.353	0	%100
110	MP2A	Z	-7.54	-7.54	0	%100
111	MP3A	X	3.596	3.596	0	%100
112	MP3A	Z	-6.229	-6.229	0	%100
113	MP4A	X	3.596	3.596	0	%100
114	MP4A	Z	-6.229	-6.229	0	%100
115	MP1C	X	3.596	3.596	0	%100
116	MP1C	Z	-6.229	-6.229	0	%100
117	MP2C	X	4.353	4.353	0	%100
118	MP2C	Z	-7.54	-7.54	0	%100
119	MP3C	X	3.596	3.596	0	%100
120	MP3C	Z	-6.229	-6.229	0	%100
121	MP4C	X	3.596	3.596	0	%100
122	MP4C	Z	-6.229	-6.229	0	%100
123	MP1B	X	3.596	3.596	0	%100
124	MP1B	Z	-6.229	-6.229	0	%100
125	MP2B	X	4.353	4.353	0	%100
126	MP2B	Z	-7.54	-7.54	0	%100
127	MP3B	X	3.596	3.596	0	%100
128	MP3B	Z	-6.229	-6.229	0	%100
129	MP4B	X	3.596	3.596	0	%100
130	MP4B	Z	-6.229	-6.229	0	%100
131	M122	X	2.941	2.941	0	%100
132	M122	Z	-5.094	-5.094	0	%100
133	M124	X	3.265	3.265	0	%100
134	M124	Z	-5.655	-5.655	0	%100
135	M131	X	3.265	3.265	0	%100
136	M131	Z	-5.655	-5.655	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	4.195	4.195	0	%100
140	M145	Z	-7.266	-7.266	0	%100
141	M146	X	4.195	4.195	0	%100
142	M146	Z	-7.266	-7.266	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.295	2.295	0	%100
2	M1	Z	-1.325	-1.325	0	%100
3	M2	X	9.179	9.179	0	%100
4	M2	Z	-5.3	-5.3	0	%100
5	M3	X	2.295	2.295	0	%100
6	M3	Z	-1.325	-1.325	0	%100
7	M8	X	4.007	4.007	0	%100
8	M8	Z	-2.313	-2.313	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,%]
9	M9	X	4.007	4.007	0	%100
10	M9	Z	-2.313	-2.313	0	%100
11	M10	X	4.007	4.007	0	%100
12	M10	Z	-2.313	-2.313	0	%100
13	M11	X	4.007	4.007	0	%100
14	M11	Z	-2.313	-2.313	0	%100
15	M12	X	.475	.475	0	%100
16	M12	Z	-.274	-.274	0	%100
17	M13	X	11.802	11.802	0	%100
18	M13	Z	-6.814	-6.814	0	%100
19	M18	X	16.028	16.028	0	%100
20	M18	Z	-9.254	-9.254	0	%100
21	M19	X	16.028	16.028	0	%100
22	M19	Z	-9.254	-9.254	0	%100
23	M20	X	16.028	16.028	0	%100
24	M20	Z	-9.254	-9.254	0	%100
25	M21	X	16.028	16.028	0	%100
26	M21	Z	-9.254	-9.254	0	%100
27	M22	X	9.234	9.234	0	%100
28	M22	Z	-5.331	-5.331	0	%100
29	M23	X	11.802	11.802	0	%100
30	M23	Z	-6.814	-6.814	0	%100
31	M28	X	4.007	4.007	0	%100
32	M28	Z	-2.313	-2.313	0	%100
33	M29	X	4.007	4.007	0	%100
34	M29	Z	-2.313	-2.313	0	%100
35	M30	X	4.007	4.007	0	%100
36	M30	Z	-2.313	-2.313	0	%100
37	M31	X	4.007	4.007	0	%100
38	M31	Z	-2.313	-2.313	0	%100
39	M32	X	13.895	13.895	0	%100
40	M32	Z	-8.023	-8.023	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	15.736	15.736	0	%100
44	M34	Z	-9.085	-9.085	0	%100
45	M35	X	3.934	3.934	0	%100
46	M35	Z	-2.271	-2.271	0	%100
47	M36	X	3.934	3.934	0	%100
48	M36	Z	-2.271	-2.271	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	7.771	7.771	0	%100
52	M39A	Z	-4.487	-4.487	0	%100
53	M41A	X	7.794	7.794	0	%100
54	M41A	Z	-4.5	-4.5	0	%100
55	M48	X	1.871	1.871	0	%100
56	M48	Z	-1.08	-1.08	0	%100
57	M49	X	1.804	1.804	0	%100
58	M49	Z	-1.042	-1.042	0	%100
59	M52	X	16.028	16.028	0	%100
60	M52	Z	-9.254	-9.254	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,%]
61	M53	X	16.028	16.028	0	%100
62	M53	Z	-9.254	-9.254	0	%100
63	M54	X	9.234	9.234	0	%100
64	M54	Z	-5.331	-5.331	0	%100
65	M57	X	4.007	4.007	0	%100
66	M57	Z	-2.313	-2.313	0	%100
67	M58	X	4.007	4.007	0	%100
68	M58	Z	-2.313	-2.313	0	%100
69	M59	X	11.802	11.802	0	%100
70	M59	Z	-6.814	-6.814	0	%100
71	M60	X	3.934	3.934	0	%100
72	M60	Z	-2.271	-2.271	0	%100
73	M61	X	6.911	6.911	0	%100
74	M61	Z	-3.99	-3.99	0	%100
75	M63	X	1.937	1.937	0	%100
76	M63	Z	-1.118	-1.118	0	%100
77	M65	X	1.943	1.943	0	%100
78	M65	Z	-1.122	-1.122	0	%100
79	M72	X	8.214	8.214	0	%100
80	M72	Z	-4.742	-4.742	0	%100
81	M73	X	2.31	2.31	0	%100
82	M73	Z	-1.334	-1.334	0	%100
83	M76	X	4.007	4.007	0	%100
84	M76	Z	-2.313	-2.313	0	%100
85	M77	X	4.007	4.007	0	%100
86	M77	Z	-2.313	-2.313	0	%100
87	M78	X	13.895	13.895	0	%100
88	M78	Z	-8.023	-8.023	0	%100
89	M81	X	16.028	16.028	0	%100
90	M81	Z	-9.254	-9.254	0	%100
91	M82	X	16.028	16.028	0	%100
92	M82	Z	-9.254	-9.254	0	%100
93	M83	X	11.802	11.802	0	%100
94	M83	Z	-6.814	-6.814	0	%100
95	M84	X	3.934	3.934	0	%100
96	M84	Z	-2.271	-2.271	0	%100
97	M85	X	6.911	6.911	0	%100
98	M85	Z	-3.99	-3.99	0	%100
99	M87	X	1.948	1.948	0	%100
100	M87	Z	-1.125	-1.125	0	%100
101	M89	X	1.954	1.954	0	%100
102	M89	Z	-1.128	-1.128	0	%100
103	M96	X	2.245	2.245	0	%100
104	M96	Z	-1.296	-1.296	0	%100
105	M97	X	8.197	8.197	0	%100
106	M97	Z	-4.733	-4.733	0	%100
107	MP1A	X	6.229	6.229	0	%100
108	MP1A	Z	-3.596	-3.596	0	%100
109	MP2A	X	7.54	7.54	0	%100
110	MP2A	Z	-4.353	-4.353	0	%100
111	MP3A	X	6.229	6.229	0	%100
112	MP3A	Z	-3.596	-3.596	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,%]
113	MP4A	X	6.229	6.229	0	%100
114	MP4A	Z	-3.596	-3.596	0	%100
115	MP1C	X	6.229	6.229	0	%100
116	MP1C	Z	-3.596	-3.596	0	%100
117	MP2C	X	7.54	7.54	0	%100
118	MP2C	Z	-4.353	-4.353	0	%100
119	MP3C	X	6.229	6.229	0	%100
120	MP3C	Z	-3.596	-3.596	0	%100
121	MP4C	X	6.229	6.229	0	%100
122	MP4C	Z	-3.596	-3.596	0	%100
123	MP1B	X	6.229	6.229	0	%100
124	MP1B	Z	-3.596	-3.596	0	%100
125	MP2B	X	7.54	7.54	0	%100
126	MP2B	Z	-4.353	-4.353	0	%100
127	MP3B	X	6.229	6.229	0	%100
128	MP3B	Z	-3.596	-3.596	0	%100
129	MP4B	X	6.229	6.229	0	%100
130	MP4B	Z	-3.596	-3.596	0	%100
131	M122	X	5.094	5.094	0	%100
132	M122	Z	-2.941	-2.941	0	%100
133	M124	X	1.885	1.885	0	%100
134	M124	Z	-1.088	-1.088	0	%100
135	M131	X	7.54	7.54	0	%100
136	M131	Z	-4.353	-4.353	0	%100
137	M138	X	1.885	1.885	0	%100
138	M138	Z	-1.088	-1.088	0	%100
139	M145	X	9.688	9.688	0	%100
140	M145	Z	-5.594	-5.594	0	%100
141	M146	X	2.422	2.422	0	%100
142	M146	Z	-1.398	-1.398	0	%100
143	M147	X	2.422	2.422	0	%100
144	M147	Z	-1.398	-1.398	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	7.95	7.95	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	7.95	7.95	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	7.508	7.508	0	%100
16	M12	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,%]
17	M13	X	4.543	4.543	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	13.88	13.88	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	13.88	13.88	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	13.88	13.88	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	13.88	13.88	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	2.126	2.126	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	18.171	18.171	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	13.88	13.88	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	13.88	13.88	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	13.88	13.88	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	13.88	13.88	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	17.623	17.623	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	4.543	4.543	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	13.628	13.628	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	13.628	13.628	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	2.66	2.66	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	6.736	6.736	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	6.757	6.757	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	.007	.007	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	6.81	6.81	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	13.88	13.88	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	13.88	13.88	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	2.126	2.126	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	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,%]
69	M59	X	4.543	4.543	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	13.628	13.628	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	2.66	2.66	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	6.723	6.723	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	6.743	6.743	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	6.899	6.899	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	.012	.012	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	13.88	13.88	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	13.88	13.88	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	17.623	17.623	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	13.88	13.88	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	13.88	13.88	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	18.171	18.171	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	10.64	10.64	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	7e-6	7e-6	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	7e-6	7e-6	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	7.331	7.331	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	7.394	7.394	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	7.193	7.193	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	8.707	8.707	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	7.193	7.193	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	7.193	7.193	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	7.193	7.193	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	8.707	8.707	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	7.193	7.193	0	%100
120	MP3C	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,%]
121	MP4C	X	7.193	7.193	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	7.193	7.193	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	8.707	8.707	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	7.193	7.193	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	7.193	7.193	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	5.882	5.882	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	6.53	6.53	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	6.53	6.53	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	8.39	8.39	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	8.39	8.39	0	%100
144	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.295	2.295	0	%100
2	M1	Z	1.325	1.325	0	%100
3	M2	X	2.295	2.295	0	%100
4	M2	Z	1.325	1.325	0	%100
5	M3	X	9.179	9.179	0	%100
6	M3	Z	5.3	5.3	0	%100
7	M8	X	4.007	4.007	0	%100
8	M8	Z	2.313	2.313	0	%100
9	M9	X	4.007	4.007	0	%100
10	M9	Z	2.313	2.313	0	%100
11	M10	X	4.007	4.007	0	%100
12	M10	Z	2.313	2.313	0	%100
13	M11	X	4.007	4.007	0	%100
14	M11	Z	2.313	2.313	0	%100
15	M12	X	13.895	13.895	0	%100
16	M12	Z	8.023	8.023	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	4.007	4.007	0	%100
20	M18	Z	2.313	2.313	0	%100
21	M19	X	4.007	4.007	0	%100
22	M19	Z	2.313	2.313	0	%100
23	M20	X	4.007	4.007	0	%100
24	M20	Z	2.313	2.313	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,%]
25	M21	X	4.007	4.007	0	%100
26	M21	Z	2.313	2.313	0	%100
27	M22	X	.475	.475	0	%100
28	M22	Z	.274	.274	0	%100
29	M23	X	11.802	11.802	0	%100
30	M23	Z	6.814	6.814	0	%100
31	M28	X	16.028	16.028	0	%100
32	M28	Z	9.254	9.254	0	%100
33	M29	X	16.028	16.028	0	%100
34	M29	Z	9.254	9.254	0	%100
35	M30	X	16.028	16.028	0	%100
36	M30	Z	9.254	9.254	0	%100
37	M31	X	16.028	16.028	0	%100
38	M31	Z	9.254	9.254	0	%100
39	M32	X	9.234	9.234	0	%100
40	M32	Z	5.331	5.331	0	%100
41	M33	X	11.802	11.802	0	%100
42	M33	Z	6.814	6.814	0	%100
43	M34	X	3.934	3.934	0	%100
44	M34	Z	2.271	2.271	0	%100
45	M35	X	15.736	15.736	0	%100
46	M35	Z	9.085	9.085	0	%100
47	M36	X	3.934	3.934	0	%100
48	M36	Z	2.271	2.271	0	%100
49	M41	X	6.911	6.911	0	%100
50	M41	Z	3.99	3.99	0	%100
51	M39A	X	1.948	1.948	0	%100
52	M39A	Z	1.125	1.125	0	%100
53	M41A	X	1.954	1.954	0	%100
54	M41A	Z	1.128	1.128	0	%100
55	M48	X	2.245	2.245	0	%100
56	M48	Z	1.296	1.296	0	%100
57	M49	X	8.197	8.197	0	%100
58	M49	Z	4.733	4.733	0	%100
59	M52	X	4.007	4.007	0	%100
60	M52	Z	2.313	2.313	0	%100
61	M53	X	4.007	4.007	0	%100
62	M53	Z	2.313	2.313	0	%100
63	M54	X	.475	.475	0	%100
64	M54	Z	.274	.274	0	%100
65	M57	X	4.007	4.007	0	%100
66	M57	Z	2.313	2.313	0	%100
67	M58	X	4.007	4.007	0	%100
68	M58	Z	2.313	2.313	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	15.736	15.736	0	%100
72	M60	Z	9.085	9.085	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	7.771	7.771	0	%100
76	M63	Z	4.487	4.487	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,%]
77	M65	X	7.794	7.794	0	%100
78	M65	Z	4.5	4.5	0	%100
79	M72	X	1.871	1.871	0	%100
80	M72	Z	1.08	1.08	0	%100
81	M73	X	1.804	1.804	0	%100
82	M73	Z	1.042	1.042	0	%100
83	M76	X	16.028	16.028	0	%100
84	M76	Z	9.254	9.254	0	%100
85	M77	X	16.028	16.028	0	%100
86	M77	Z	9.254	9.254	0	%100
87	M78	X	9.234	9.234	0	%100
88	M78	Z	5.331	5.331	0	%100
89	M81	X	4.007	4.007	0	%100
90	M81	Z	2.313	2.313	0	%100
91	M82	X	4.007	4.007	0	%100
92	M82	Z	2.313	2.313	0	%100
93	M83	X	11.802	11.802	0	%100
94	M83	Z	6.814	6.814	0	%100
95	M84	X	3.934	3.934	0	%100
96	M84	Z	2.271	2.271	0	%100
97	M85	X	6.911	6.911	0	%100
98	M85	Z	3.99	3.99	0	%100
99	M87	X	1.937	1.937	0	%100
100	M87	Z	1.118	1.118	0	%100
101	M89	X	1.943	1.943	0	%100
102	M89	Z	1.122	1.122	0	%100
103	M96	X	8.214	8.214	0	%100
104	M96	Z	4.742	4.742	0	%100
105	M97	X	2.31	2.31	0	%100
106	M97	Z	1.334	1.334	0	%100
107	MP1A	X	6.229	6.229	0	%100
108	MP1A	Z	3.596	3.596	0	%100
109	MP2A	X	7.54	7.54	0	%100
110	MP2A	Z	4.353	4.353	0	%100
111	MP3A	X	6.229	6.229	0	%100
112	MP3A	Z	3.596	3.596	0	%100
113	MP4A	X	6.229	6.229	0	%100
114	MP4A	Z	3.596	3.596	0	%100
115	MP1C	X	6.229	6.229	0	%100
116	MP1C	Z	3.596	3.596	0	%100
117	MP2C	X	7.54	7.54	0	%100
118	MP2C	Z	4.353	4.353	0	%100
119	MP3C	X	6.229	6.229	0	%100
120	MP3C	Z	3.596	3.596	0	%100
121	MP4C	X	6.229	6.229	0	%100
122	MP4C	Z	3.596	3.596	0	%100
123	MP1B	X	6.229	6.229	0	%100
124	MP1B	Z	3.596	3.596	0	%100
125	MP2B	X	7.54	7.54	0	%100
126	MP2B	Z	4.353	4.353	0	%100
127	MP3B	X	6.229	6.229	0	%100
128	MP3B	Z	3.596	3.596	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,%]
129	MP4B	X	6.229	6.229	0	%100
130	MP4B	Z	3.596	3.596	0	%100
131	M122	X	5.094	5.094	0	%100
132	M122	Z	2.941	2.941	0	%100
133	M124	X	1.885	1.885	0	%100
134	M124	Z	1.088	1.088	0	%100
135	M131	X	1.885	1.885	0	%100
136	M131	Z	1.088	1.088	0	%100
137	M138	X	7.54	7.54	0	%100
138	M138	Z	4.353	4.353	0	%100
139	M145	X	2.422	2.422	0	%100
140	M145	Z	1.398	1.398	0	%100
141	M146	X	2.422	2.422	0	%100
142	M146	Z	1.398	1.398	0	%100
143	M147	X	9.688	9.688	0	%100
144	M147	Z	5.594	5.594	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	3.975	3.975	0	%100
2	M1	Z	6.885	6.885	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.975	3.975	0	%100
6	M3	Z	6.885	6.885	0	%100
7	M8	X	6.94	6.94	0	%100
8	M8	Z	12.021	12.021	0	%100
9	M9	X	6.94	6.94	0	%100
10	M9	Z	12.021	12.021	0	%100
11	M10	X	6.94	6.94	0	%100
12	M10	Z	12.021	12.021	0	%100
13	M11	X	6.94	6.94	0	%100
14	M11	Z	12.021	12.021	0	%100
15	M12	X	8.811	8.811	0	%100
16	M12	Z	15.262	15.262	0	%100
17	M13	X	2.271	2.271	0	%100
18	M13	Z	3.934	3.934	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	3.754	3.754	0	%100
28	M22	Z	6.502	6.502	0	%100
29	M23	X	2.271	2.271	0	%100
30	M23	Z	3.934	3.934	0	%100
31	M28	X	6.94	6.94	0	%100
32	M28	Z	12.021	12.021	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,%]
33	M29	X	6.94	6.94	0	%100
34	M29	Z	12.021	12.021	0	%100
35	M30	X	6.94	6.94	0	%100
36	M30	Z	12.021	12.021	0	%100
37	M31	X	6.94	6.94	0	%100
38	M31	Z	12.021	12.021	0	%100
39	M32	X	1.063	1.063	0	%100
40	M32	Z	1.841	1.841	0	%100
41	M33	X	9.085	9.085	0	%100
42	M33	Z	15.736	15.736	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	6.814	6.814	0	%100
46	M35	Z	11.802	11.802	0	%100
47	M36	X	6.814	6.814	0	%100
48	M36	Z	11.802	11.802	0	%100
49	M41	X	5.32	5.32	0	%100
50	M41	Z	9.215	9.215	0	%100
51	M39A	X	3e-6	3e-6	0	%100
52	M39A	Z	6e-6	6e-6	0	%100
53	M41A	X	3e-6	3e-6	0	%100
54	M41A	Z	6e-6	6e-6	0	%100
55	M48	X	3.666	3.666	0	%100
56	M48	Z	6.349	6.349	0	%100
57	M49	X	3.697	3.697	0	%100
58	M49	Z	6.404	6.404	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	3.754	3.754	0	%100
64	M54	Z	6.502	6.502	0	%100
65	M57	X	6.94	6.94	0	%100
66	M57	Z	12.021	12.021	0	%100
67	M58	X	6.94	6.94	0	%100
68	M58	Z	12.021	12.021	0	%100
69	M59	X	2.271	2.271	0	%100
70	M59	Z	3.934	3.934	0	%100
71	M60	X	6.814	6.814	0	%100
72	M60	Z	11.802	11.802	0	%100
73	M61	X	1.33	1.33	0	%100
74	M61	Z	2.304	2.304	0	%100
75	M63	X	3.368	3.368	0	%100
76	M63	Z	5.834	5.834	0	%100
77	M65	X	3.378	3.378	0	%100
78	M65	Z	5.851	5.851	0	%100
79	M72	X	.003	.003	0	%100
80	M72	Z	.006	.006	0	%100
81	M73	X	3.405	3.405	0	%100
82	M73	Z	5.897	5.897	0	%100
83	M76	X	6.94	6.94	0	%100
84	M76	Z	12.021	12.021	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,%]
85	M77	X	6.94	6.94	0	%100
86	M77	Z	12.021	12.021	0	%100
87	M78	X	1.063	1.063	0	%100
88	M78	Z	1.841	1.841	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	2.271	2.271	0	%100
94	M83	Z	3.934	3.934	0	%100
95	M84	X	6.814	6.814	0	%100
96	M84	Z	11.802	11.802	0	%100
97	M85	X	1.33	1.33	0	%100
98	M85	Z	2.304	2.304	0	%100
99	M87	X	3.362	3.362	0	%100
100	M87	Z	5.822	5.822	0	%100
101	M89	X	3.372	3.372	0	%100
102	M89	Z	5.84	5.84	0	%100
103	M96	X	3.45	3.45	0	%100
104	M96	Z	5.975	5.975	0	%100
105	M97	X	.006	.006	0	%100
106	M97	Z	.01	.01	0	%100
107	MP1A	X	3.596	3.596	0	%100
108	MP1A	Z	6.229	6.229	0	%100
109	MP2A	X	4.353	4.353	0	%100
110	MP2A	Z	7.54	7.54	0	%100
111	MP3A	X	3.596	3.596	0	%100
112	MP3A	Z	6.229	6.229	0	%100
113	MP4A	X	3.596	3.596	0	%100
114	MP4A	Z	6.229	6.229	0	%100
115	MP1C	X	3.596	3.596	0	%100
116	MP1C	Z	6.229	6.229	0	%100
117	MP2C	X	4.353	4.353	0	%100
118	MP2C	Z	7.54	7.54	0	%100
119	MP3C	X	3.596	3.596	0	%100
120	MP3C	Z	6.229	6.229	0	%100
121	MP4C	X	3.596	3.596	0	%100
122	MP4C	Z	6.229	6.229	0	%100
123	MP1B	X	3.596	3.596	0	%100
124	MP1B	Z	6.229	6.229	0	%100
125	MP2B	X	4.353	4.353	0	%100
126	MP2B	Z	7.54	7.54	0	%100
127	MP3B	X	3.596	3.596	0	%100
128	MP3B	Z	6.229	6.229	0	%100
129	MP4B	X	3.596	3.596	0	%100
130	MP4B	Z	6.229	6.229	0	%100
131	M122	X	2.941	2.941	0	%100
132	M122	Z	5.094	5.094	0	%100
133	M124	X	3.265	3.265	0	%100
134	M124	Z	5.655	5.655	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	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,%]
137	M138	X	3.265	3.265	0	%100
138	M138	Z	5.655	5.655	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	4.195	4.195	0	%100
142	M146	Z	7.266	7.266	0	%100
143	M147	X	4.195	4.195	0	%100
144	M147	Z	7.266	7.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	10.6	10.6	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.65	2.65	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	2.65	2.65	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	18.507	18.507	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	18.507	18.507	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	18.507	18.507	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	18.507	18.507	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	10.663	10.663	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	13.628	13.628	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	4.627	4.627	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	4.627	4.627	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	4.627	4.627	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	4.627	4.627	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	16.045	16.045	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	4.627	4.627	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	4.627	4.627	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	4.627	4.627	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	4.627	4.627	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.548	.548	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	13.628	13.628	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	4.543	4.543	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	4.543	4.543	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	18.171	18.171	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	7.98	7.98	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	2.237	2.237	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	2.243	2.243	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	9.485	9.485	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	2.668	2.668	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	4.627	4.627	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	4.627	4.627	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	16.045	16.045	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	18.507	18.507	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	18.507	18.507	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	13.628	13.628	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	4.543	4.543	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	7.98	7.98	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	2.25	2.25	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	2.257	2.257	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	2.592	2.592	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	9.465	9.465	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	4.627	4.627	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	4.627	4.627	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	.548	.548	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	4.627	4.627	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	4.627	4.627	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	18.171	18.171	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	8.973	8.973	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	9	9	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	2.16	2.16	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	2.083	2.083	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	7.193	7.193	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	8.707	8.707	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	7.193	7.193	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	7.193	7.193	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	7.193	7.193	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	8.707	8.707	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	7.193	7.193	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	7.193	7.193	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	7.193	7.193	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	8.707	8.707	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	7.193	7.193	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	7.193	7.193	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	5.882	5.882	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	8.707	8.707	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	2.177	2.177	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	2.177	2.177	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	2.797	2.797	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	11.187	11.187	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	2.797	2.797	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	-3.975	-3.975	0	%100
2	M1	Z	6.885	6.885	0	%100
3	M2	X	-3.975	-3.975	0	%100
4	M2	Z	6.885	6.885	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	-6.94	-6.94	0	%100
8	M8	Z	12.021	12.021	0	%100
9	M9	X	-6.94	-6.94	0	%100
10	M9	Z	12.021	12.021	0	%100
11	M10	X	-6.94	-6.94	0	%100
12	M10	Z	12.021	12.021	0	%100
13	M11	X	-6.94	-6.94	0	%100
14	M11	Z	12.021	12.021	0	%100
15	M12	X	-1.063	-1.063	0	%100
16	M12	Z	1.841	1.841	0	%100
17	M13	X	-9.085	-9.085	0	%100
18	M13	Z	15.736	15.736	0	%100
19	M18	X	-6.94	-6.94	0	%100
20	M18	Z	12.021	12.021	0	%100
21	M19	X	-6.94	-6.94	0	%100
22	M19	Z	12.021	12.021	0	%100
23	M20	X	-6.94	-6.94	0	%100
24	M20	Z	12.021	12.021	0	%100
25	M21	X	-6.94	-6.94	0	%100
26	M21	Z	12.021	12.021	0	%100
27	M22	X	-8.811	-8.811	0	%100
28	M22	Z	15.262	15.262	0	%100
29	M23	X	-2.271	-2.271	0	%100
30	M23	Z	3.934	3.934	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-3.754	-3.754	0	%100
40	M32	Z	6.502	6.502	0	%100
41	M33	X	-2.271	-2.271	0	%100
42	M33	Z	3.934	3.934	0	%100
43	M34	X	-6.814	-6.814	0	%100
44	M34	Z	11.802	11.802	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-6.814	-6.814	0	%100
48	M36	Z	11.802	11.802	0	%100
49	M41	X	-1.33	-1.33	0	%100
50	M41	Z	2.304	2.304	0	%100
51	M39A	X	-3.362	-3.362	0	%100
52	M39A	Z	5.822	5.822	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M41A	X	-3.372	-3.372	0	%100
54	M41A	Z	5.84	5.84	0	%100
55	M48	X	-3.45	-3.45	0	%100
56	M48	Z	5.975	5.975	0	%100
57	M49	X	-.006	-.006	0	%100
58	M49	Z	.01	.01	0	%100
59	M52	X	-6.94	-6.94	0	%100
60	M52	Z	12.021	12.021	0	%100
61	M53	X	-6.94	-6.94	0	%100
62	M53	Z	12.021	12.021	0	%100
63	M54	X	-8.811	-8.811	0	%100
64	M54	Z	15.262	15.262	0	%100
65	M57	X	-6.94	-6.94	0	%100
66	M57	Z	12.021	12.021	0	%100
67	M58	X	-6.94	-6.94	0	%100
68	M58	Z	12.021	12.021	0	%100
69	M59	X	-9.085	-9.085	0	%100
70	M59	Z	15.736	15.736	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-5.32	-5.32	0	%100
74	M61	Z	9.215	9.215	0	%100
75	M63	X	-3e-6	-3e-6	0	%100
76	M63	Z	6e-6	6e-6	0	%100
77	M65	X	-3e-6	-3e-6	0	%100
78	M65	Z	6e-6	6e-6	0	%100
79	M72	X	-3.666	-3.666	0	%100
80	M72	Z	6.349	6.349	0	%100
81	M73	X	-3.697	-3.697	0	%100
82	M73	Z	6.404	6.404	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-3.754	-3.754	0	%100
88	M78	Z	6.502	6.502	0	%100
89	M81	X	-6.94	-6.94	0	%100
90	M81	Z	12.021	12.021	0	%100
91	M82	X	-6.94	-6.94	0	%100
92	M82	Z	12.021	12.021	0	%100
93	M83	X	-2.271	-2.271	0	%100
94	M83	Z	3.934	3.934	0	%100
95	M84	X	-6.814	-6.814	0	%100
96	M84	Z	11.802	11.802	0	%100
97	M85	X	-1.33	-1.33	0	%100
98	M85	Z	2.304	2.304	0	%100
99	M87	X	-3.368	-3.368	0	%100
100	M87	Z	5.834	5.834	0	%100
101	M89	X	-3.378	-3.378	0	%100
102	M89	Z	5.851	5.851	0	%100
103	M96	X	-.003	-.003	0	%100
104	M96	Z	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M97	X	-3.405	-3.405	0	%100
106	M97	Z	5.897	5.897	0	%100
107	MP1A	X	-3.596	-3.596	0	%100
108	MP1A	Z	6.229	6.229	0	%100
109	MP2A	X	-4.353	-4.353	0	%100
110	MP2A	Z	7.54	7.54	0	%100
111	MP3A	X	-3.596	-3.596	0	%100
112	MP3A	Z	6.229	6.229	0	%100
113	MP4A	X	-3.596	-3.596	0	%100
114	MP4A	Z	6.229	6.229	0	%100
115	MP1C	X	-3.596	-3.596	0	%100
116	MP1C	Z	6.229	6.229	0	%100
117	MP2C	X	-4.353	-4.353	0	%100
118	MP2C	Z	7.54	7.54	0	%100
119	MP3C	X	-3.596	-3.596	0	%100
120	MP3C	Z	6.229	6.229	0	%100
121	MP4C	X	-3.596	-3.596	0	%100
122	MP4C	Z	6.229	6.229	0	%100
123	MP1B	X	-3.596	-3.596	0	%100
124	MP1B	Z	6.229	6.229	0	%100
125	MP2B	X	-4.353	-4.353	0	%100
126	MP2B	Z	7.54	7.54	0	%100
127	MP3B	X	-3.596	-3.596	0	%100
128	MP3B	Z	6.229	6.229	0	%100
129	MP4B	X	-3.596	-3.596	0	%100
130	MP4B	Z	6.229	6.229	0	%100
131	M122	X	-2.941	-2.941	0	%100
132	M122	Z	5.094	5.094	0	%100
133	M124	X	-3.265	-3.265	0	%100
134	M124	Z	5.655	5.655	0	%100
135	M131	X	-3.265	-3.265	0	%100
136	M131	Z	5.655	5.655	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-4.195	-4.195	0	%100
140	M145	Z	7.266	7.266	0	%100
141	M146	X	-4.195	-4.195	0	%100
142	M146	Z	7.266	7.266	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.295	-2.295	0	%100
2	M1	Z	1.325	1.325	0	%100
3	M2	X	-9.179	-9.179	0	%100
4	M2	Z	5.3	5.3	0	%100
5	M3	X	-2.295	-2.295	0	%100
6	M3	Z	1.325	1.325	0	%100
7	M8	X	-4.007	-4.007	0	%100
8	M8	Z	2.313	2.313	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,%]
9	M9	X	-4.007	-4.007	0	%100
10	M9	Z	2.313	2.313	0	%100
11	M10	X	-4.007	-4.007	0	%100
12	M10	Z	2.313	2.313	0	%100
13	M11	X	-4.007	-4.007	0	%100
14	M11	Z	2.313	2.313	0	%100
15	M12	X	-.475	-.475	0	%100
16	M12	Z	.274	.274	0	%100
17	M13	X	-11.802	-11.802	0	%100
18	M13	Z	6.814	6.814	0	%100
19	M18	X	-16.028	-16.028	0	%100
20	M18	Z	9.254	9.254	0	%100
21	M19	X	-16.028	-16.028	0	%100
22	M19	Z	9.254	9.254	0	%100
23	M20	X	-16.028	-16.028	0	%100
24	M20	Z	9.254	9.254	0	%100
25	M21	X	-16.028	-16.028	0	%100
26	M21	Z	9.254	9.254	0	%100
27	M22	X	-9.234	-9.234	0	%100
28	M22	Z	5.331	5.331	0	%100
29	M23	X	-11.802	-11.802	0	%100
30	M23	Z	6.814	6.814	0	%100
31	M28	X	-4.007	-4.007	0	%100
32	M28	Z	2.313	2.313	0	%100
33	M29	X	-4.007	-4.007	0	%100
34	M29	Z	2.313	2.313	0	%100
35	M30	X	-4.007	-4.007	0	%100
36	M30	Z	2.313	2.313	0	%100
37	M31	X	-4.007	-4.007	0	%100
38	M31	Z	2.313	2.313	0	%100
39	M32	X	-13.895	-13.895	0	%100
40	M32	Z	8.023	8.023	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-15.736	-15.736	0	%100
44	M34	Z	9.085	9.085	0	%100
45	M35	X	-3.934	-3.934	0	%100
46	M35	Z	2.271	2.271	0	%100
47	M36	X	-3.934	-3.934	0	%100
48	M36	Z	2.271	2.271	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-7.771	-7.771	0	%100
52	M39A	Z	4.487	4.487	0	%100
53	M41A	X	-7.794	-7.794	0	%100
54	M41A	Z	4.5	4.5	0	%100
55	M48	X	-1.871	-1.871	0	%100
56	M48	Z	1.08	1.08	0	%100
57	M49	X	-1.804	-1.804	0	%100
58	M49	Z	1.042	1.042	0	%100
59	M52	X	-16.028	-16.028	0	%100
60	M52	Z	9.254	9.254	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,%]
61	M53	X	-16.028	-16.028	0	%100
62	M53	Z	9.254	9.254	0	%100
63	M54	X	-9.234	-9.234	0	%100
64	M54	Z	5.331	5.331	0	%100
65	M57	X	-4.007	-4.007	0	%100
66	M57	Z	2.313	2.313	0	%100
67	M58	X	-4.007	-4.007	0	%100
68	M58	Z	2.313	2.313	0	%100
69	M59	X	-11.802	-11.802	0	%100
70	M59	Z	6.814	6.814	0	%100
71	M60	X	-3.934	-3.934	0	%100
72	M60	Z	2.271	2.271	0	%100
73	M61	X	-6.911	-6.911	0	%100
74	M61	Z	3.99	3.99	0	%100
75	M63	X	-1.937	-1.937	0	%100
76	M63	Z	1.118	1.118	0	%100
77	M65	X	-1.943	-1.943	0	%100
78	M65	Z	1.122	1.122	0	%100
79	M72	X	-8.214	-8.214	0	%100
80	M72	Z	4.742	4.742	0	%100
81	M73	X	-2.31	-2.31	0	%100
82	M73	Z	1.334	1.334	0	%100
83	M76	X	-4.007	-4.007	0	%100
84	M76	Z	2.313	2.313	0	%100
85	M77	X	-4.007	-4.007	0	%100
86	M77	Z	2.313	2.313	0	%100
87	M78	X	-13.895	-13.895	0	%100
88	M78	Z	8.023	8.023	0	%100
89	M81	X	-16.028	-16.028	0	%100
90	M81	Z	9.254	9.254	0	%100
91	M82	X	-16.028	-16.028	0	%100
92	M82	Z	9.254	9.254	0	%100
93	M83	X	-11.802	-11.802	0	%100
94	M83	Z	6.814	6.814	0	%100
95	M84	X	-3.934	-3.934	0	%100
96	M84	Z	2.271	2.271	0	%100
97	M85	X	-6.911	-6.911	0	%100
98	M85	Z	3.99	3.99	0	%100
99	M87	X	-1.948	-1.948	0	%100
100	M87	Z	1.125	1.125	0	%100
101	M89	X	-1.954	-1.954	0	%100
102	M89	Z	1.128	1.128	0	%100
103	M96	X	-2.245	-2.245	0	%100
104	M96	Z	1.296	1.296	0	%100
105	M97	X	-8.197	-8.197	0	%100
106	M97	Z	4.733	4.733	0	%100
107	MP1A	X	-6.229	-6.229	0	%100
108	MP1A	Z	3.596	3.596	0	%100
109	MP2A	X	-7.54	-7.54	0	%100
110	MP2A	Z	4.353	4.353	0	%100
111	MP3A	X	-6.229	-6.229	0	%100
112	MP3A	Z	3.596	3.596	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,%]
113	MP4A	X	-6.229	-6.229	0	%100
114	MP4A	Z	3.596	3.596	0	%100
115	MP1C	X	-6.229	-6.229	0	%100
116	MP1C	Z	3.596	3.596	0	%100
117	MP2C	X	-7.54	-7.54	0	%100
118	MP2C	Z	4.353	4.353	0	%100
119	MP3C	X	-6.229	-6.229	0	%100
120	MP3C	Z	3.596	3.596	0	%100
121	MP4C	X	-6.229	-6.229	0	%100
122	MP4C	Z	3.596	3.596	0	%100
123	MP1B	X	-6.229	-6.229	0	%100
124	MP1B	Z	3.596	3.596	0	%100
125	MP2B	X	-7.54	-7.54	0	%100
126	MP2B	Z	4.353	4.353	0	%100
127	MP3B	X	-6.229	-6.229	0	%100
128	MP3B	Z	3.596	3.596	0	%100
129	MP4B	X	-6.229	-6.229	0	%100
130	MP4B	Z	3.596	3.596	0	%100
131	M122	X	-5.094	-5.094	0	%100
132	M122	Z	2.941	2.941	0	%100
133	M124	X	-1.885	-1.885	0	%100
134	M124	Z	1.088	1.088	0	%100
135	M131	X	-7.54	-7.54	0	%100
136	M131	Z	4.353	4.353	0	%100
137	M138	X	-1.885	-1.885	0	%100
138	M138	Z	1.088	1.088	0	%100
139	M145	X	-9.688	-9.688	0	%100
140	M145	Z	5.594	5.594	0	%100
141	M146	X	-2.422	-2.422	0	%100
142	M146	Z	1.398	1.398	0	%100
143	M147	X	-2.422	-2.422	0	%100
144	M147	Z	1.398	1.398	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	-7.95	-7.95	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-7.95	-7.95	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-7.508	-7.508	0	%100
16	M12	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,%]
17	M13	X	-4.543	-4.543	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-13.88	-13.88	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	-13.88	-13.88	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-13.88	-13.88	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-13.88	-13.88	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-2.126	-2.126	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-18.171	-18.171	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	-13.88	-13.88	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-13.88	-13.88	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-13.88	-13.88	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-13.88	-13.88	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-17.623	-17.623	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-4.543	-4.543	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-13.628	-13.628	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-13.628	-13.628	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	-2.66	-2.66	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-6.736	-6.736	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	-6.757	-6.757	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	-.007	-.007	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-6.81	-6.81	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	-13.88	-13.88	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	-13.88	-13.88	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-2.126	-2.126	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	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,%]
69	M59	X	-4.543	-4.543	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-13.628	-13.628	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-2.66	-2.66	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-6.723	-6.723	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	-6.743	-6.743	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	-6.899	-6.899	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	-.012	-.012	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	-13.88	-13.88	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	-13.88	-13.88	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-17.623	-17.623	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	-13.88	-13.88	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	-13.88	-13.88	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-18.171	-18.171	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	-10.64	-10.64	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	-7e-6	-7e-6	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	-7e-6	-7e-6	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	-7.331	-7.331	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	-7.394	-7.394	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	-7.193	-7.193	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	-8.707	-8.707	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	-7.193	-7.193	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	-7.193	-7.193	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	-7.193	-7.193	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	-8.707	-8.707	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	-7.193	-7.193	0	%100
120	MP3C	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,%]
121	MP4C	X	-7.193	-7.193	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	-7.193	-7.193	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	-8.707	-8.707	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	-7.193	-7.193	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	-7.193	-7.193	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	-5.882	-5.882	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	-6.53	-6.53	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	-6.53	-6.53	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-8.39	-8.39	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	-8.39	-8.39	0	%100
144	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.295	-2.295	0	%100
2	M1	Z	-1.325	-1.325	0	%100
3	M2	X	-2.295	-2.295	0	%100
4	M2	Z	-1.325	-1.325	0	%100
5	M3	X	-9.179	-9.179	0	%100
6	M3	Z	-5.3	-5.3	0	%100
7	M8	X	-4.007	-4.007	0	%100
8	M8	Z	-2.313	-2.313	0	%100
9	M9	X	-4.007	-4.007	0	%100
10	M9	Z	-2.313	-2.313	0	%100
11	M10	X	-4.007	-4.007	0	%100
12	M10	Z	-2.313	-2.313	0	%100
13	M11	X	-4.007	-4.007	0	%100
14	M11	Z	-2.313	-2.313	0	%100
15	M12	X	-13.895	-13.895	0	%100
16	M12	Z	-8.023	-8.023	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-4.007	-4.007	0	%100
20	M18	Z	-2.313	-2.313	0	%100
21	M19	X	-4.007	-4.007	0	%100
22	M19	Z	-2.313	-2.313	0	%100
23	M20	X	-4.007	-4.007	0	%100
24	M20	Z	-2.313	-2.313	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,%]
25	M21	X	-4.007	-4.007	0	%100
26	M21	Z	-2.313	-2.313	0	%100
27	M22	X	-.475	-.475	0	%100
28	M22	Z	-.274	-.274	0	%100
29	M23	X	-11.802	-11.802	0	%100
30	M23	Z	-6.814	-6.814	0	%100
31	M28	X	-16.028	-16.028	0	%100
32	M28	Z	-9.254	-9.254	0	%100
33	M29	X	-16.028	-16.028	0	%100
34	M29	Z	-9.254	-9.254	0	%100
35	M30	X	-16.028	-16.028	0	%100
36	M30	Z	-9.254	-9.254	0	%100
37	M31	X	-16.028	-16.028	0	%100
38	M31	Z	-9.254	-9.254	0	%100
39	M32	X	-9.234	-9.234	0	%100
40	M32	Z	-5.331	-5.331	0	%100
41	M33	X	-11.802	-11.802	0	%100
42	M33	Z	-6.814	-6.814	0	%100
43	M34	X	-3.934	-3.934	0	%100
44	M34	Z	-2.271	-2.271	0	%100
45	M35	X	-15.736	-15.736	0	%100
46	M35	Z	-9.085	-9.085	0	%100
47	M36	X	-3.934	-3.934	0	%100
48	M36	Z	-2.271	-2.271	0	%100
49	M41	X	-6.911	-6.911	0	%100
50	M41	Z	-3.99	-3.99	0	%100
51	M39A	X	-1.948	-1.948	0	%100
52	M39A	Z	-1.125	-1.125	0	%100
53	M41A	X	-1.954	-1.954	0	%100
54	M41A	Z	-1.128	-1.128	0	%100
55	M48	X	-2.245	-2.245	0	%100
56	M48	Z	-1.296	-1.296	0	%100
57	M49	X	-8.197	-8.197	0	%100
58	M49	Z	-4.733	-4.733	0	%100
59	M52	X	-4.007	-4.007	0	%100
60	M52	Z	-2.313	-2.313	0	%100
61	M53	X	-4.007	-4.007	0	%100
62	M53	Z	-2.313	-2.313	0	%100
63	M54	X	-.475	-.475	0	%100
64	M54	Z	-.274	-.274	0	%100
65	M57	X	-4.007	-4.007	0	%100
66	M57	Z	-2.313	-2.313	0	%100
67	M58	X	-4.007	-4.007	0	%100
68	M58	Z	-2.313	-2.313	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-15.736	-15.736	0	%100
72	M60	Z	-9.085	-9.085	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-7.771	-7.771	0	%100
76	M63	Z	-4.487	-4.487	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,%]
77	M65	X	-7.794	-7.794	0	%100
78	M65	Z	-4.5	-4.5	0	%100
79	M72	X	-1.871	-1.871	0	%100
80	M72	Z	-1.08	-1.08	0	%100
81	M73	X	-1.804	-1.804	0	%100
82	M73	Z	-1.042	-1.042	0	%100
83	M76	X	-16.028	-16.028	0	%100
84	M76	Z	-9.254	-9.254	0	%100
85	M77	X	-16.028	-16.028	0	%100
86	M77	Z	-9.254	-9.254	0	%100
87	M78	X	-9.234	-9.234	0	%100
88	M78	Z	-5.331	-5.331	0	%100
89	M81	X	-4.007	-4.007	0	%100
90	M81	Z	-2.313	-2.313	0	%100
91	M82	X	-4.007	-4.007	0	%100
92	M82	Z	-2.313	-2.313	0	%100
93	M83	X	-11.802	-11.802	0	%100
94	M83	Z	-6.814	-6.814	0	%100
95	M84	X	-3.934	-3.934	0	%100
96	M84	Z	-2.271	-2.271	0	%100
97	M85	X	-6.911	-6.911	0	%100
98	M85	Z	-3.99	-3.99	0	%100
99	M87	X	-1.937	-1.937	0	%100
100	M87	Z	-1.118	-1.118	0	%100
101	M89	X	-1.943	-1.943	0	%100
102	M89	Z	-1.122	-1.122	0	%100
103	M96	X	-8.214	-8.214	0	%100
104	M96	Z	-4.742	-4.742	0	%100
105	M97	X	-2.31	-2.31	0	%100
106	M97	Z	-1.334	-1.334	0	%100
107	MP1A	X	-6.229	-6.229	0	%100
108	MP1A	Z	-3.596	-3.596	0	%100
109	MP2A	X	-7.54	-7.54	0	%100
110	MP2A	Z	-4.353	-4.353	0	%100
111	MP3A	X	-6.229	-6.229	0	%100
112	MP3A	Z	-3.596	-3.596	0	%100
113	MP4A	X	-6.229	-6.229	0	%100
114	MP4A	Z	-3.596	-3.596	0	%100
115	MP1C	X	-6.229	-6.229	0	%100
116	MP1C	Z	-3.596	-3.596	0	%100
117	MP2C	X	-7.54	-7.54	0	%100
118	MP2C	Z	-4.353	-4.353	0	%100
119	MP3C	X	-6.229	-6.229	0	%100
120	MP3C	Z	-3.596	-3.596	0	%100
121	MP4C	X	-6.229	-6.229	0	%100
122	MP4C	Z	-3.596	-3.596	0	%100
123	MP1B	X	-6.229	-6.229	0	%100
124	MP1B	Z	-3.596	-3.596	0	%100
125	MP2B	X	-7.54	-7.54	0	%100
126	MP2B	Z	-4.353	-4.353	0	%100
127	MP3B	X	-6.229	-6.229	0	%100
128	MP3B	Z	-3.596	-3.596	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,%]
129	MP4B	X	-6.229	-6.229	0	%100
130	MP4B	Z	-3.596	-3.596	0	%100
131	M122	X	-5.094	-5.094	0	%100
132	M122	Z	-2.941	-2.941	0	%100
133	M124	X	-1.885	-1.885	0	%100
134	M124	Z	-1.088	-1.088	0	%100
135	M131	X	-1.885	-1.885	0	%100
136	M131	Z	-1.088	-1.088	0	%100
137	M138	X	-7.54	-7.54	0	%100
138	M138	Z	-4.353	-4.353	0	%100
139	M145	X	-2.422	-2.422	0	%100
140	M145	Z	-1.398	-1.398	0	%100
141	M146	X	-2.422	-2.422	0	%100
142	M146	Z	-1.398	-1.398	0	%100
143	M147	X	-9.688	-9.688	0	%100
144	M147	Z	-5.594	-5.594	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	-3.975	-3.975	0	%100
2	M1	Z	-6.885	-6.885	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.975	-3.975	0	%100
6	M3	Z	-6.885	-6.885	0	%100
7	M8	X	-6.94	-6.94	0	%100
8	M8	Z	-12.021	-12.021	0	%100
9	M9	X	-6.94	-6.94	0	%100
10	M9	Z	-12.021	-12.021	0	%100
11	M10	X	-6.94	-6.94	0	%100
12	M10	Z	-12.021	-12.021	0	%100
13	M11	X	-6.94	-6.94	0	%100
14	M11	Z	-12.021	-12.021	0	%100
15	M12	X	-8.811	-8.811	0	%100
16	M12	Z	-15.262	-15.262	0	%100
17	M13	X	-2.271	-2.271	0	%100
18	M13	Z	-3.934	-3.934	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-3.754	-3.754	0	%100
28	M22	Z	-6.502	-6.502	0	%100
29	M23	X	-2.271	-2.271	0	%100
30	M23	Z	-3.934	-3.934	0	%100
31	M28	X	-6.94	-6.94	0	%100
32	M28	Z	-12.021	-12.021	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,%]
33	M29	X	-6.94	-6.94	0	%100
34	M29	Z	-12.021	-12.021	0	%100
35	M30	X	-6.94	-6.94	0	%100
36	M30	Z	-12.021	-12.021	0	%100
37	M31	X	-6.94	-6.94	0	%100
38	M31	Z	-12.021	-12.021	0	%100
39	M32	X	-1.063	-1.063	0	%100
40	M32	Z	-1.841	-1.841	0	%100
41	M33	X	-9.085	-9.085	0	%100
42	M33	Z	-15.736	-15.736	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-6.814	-6.814	0	%100
46	M35	Z	-11.802	-11.802	0	%100
47	M36	X	-6.814	-6.814	0	%100
48	M36	Z	-11.802	-11.802	0	%100
49	M41	X	-5.32	-5.32	0	%100
50	M41	Z	-9.215	-9.215	0	%100
51	M39A	X	-3e-6	-3e-6	0	%100
52	M39A	Z	-6e-6	-6e-6	0	%100
53	M41A	X	-3e-6	-3e-6	0	%100
54	M41A	Z	-6e-6	-6e-6	0	%100
55	M48	X	-3.666	-3.666	0	%100
56	M48	Z	-6.349	-6.349	0	%100
57	M49	X	-3.697	-3.697	0	%100
58	M49	Z	-6.404	-6.404	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-3.754	-3.754	0	%100
64	M54	Z	-6.502	-6.502	0	%100
65	M57	X	-6.94	-6.94	0	%100
66	M57	Z	-12.021	-12.021	0	%100
67	M58	X	-6.94	-6.94	0	%100
68	M58	Z	-12.021	-12.021	0	%100
69	M59	X	-2.271	-2.271	0	%100
70	M59	Z	-3.934	-3.934	0	%100
71	M60	X	-6.814	-6.814	0	%100
72	M60	Z	-11.802	-11.802	0	%100
73	M61	X	-1.33	-1.33	0	%100
74	M61	Z	-2.304	-2.304	0	%100
75	M63	X	-3.368	-3.368	0	%100
76	M63	Z	-5.834	-5.834	0	%100
77	M65	X	-3.378	-3.378	0	%100
78	M65	Z	-5.851	-5.851	0	%100
79	M72	X	-.003	-.003	0	%100
80	M72	Z	-.006	-.006	0	%100
81	M73	X	-3.405	-3.405	0	%100
82	M73	Z	-5.897	-5.897	0	%100
83	M76	X	-6.94	-6.94	0	%100
84	M76	Z	-12.021	-12.021	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,%]
85	M77	X	-6.94	-6.94	0	%100
86	M77	Z	-12.021	-12.021	0	%100
87	M78	X	-1.063	-1.063	0	%100
88	M78	Z	-1.841	-1.841	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-2.271	-2.271	0	%100
94	M83	Z	-3.934	-3.934	0	%100
95	M84	X	-6.814	-6.814	0	%100
96	M84	Z	-11.802	-11.802	0	%100
97	M85	X	-1.33	-1.33	0	%100
98	M85	Z	-2.304	-2.304	0	%100
99	M87	X	-3.362	-3.362	0	%100
100	M87	Z	-5.822	-5.822	0	%100
101	M89	X	-3.372	-3.372	0	%100
102	M89	Z	-5.84	-5.84	0	%100
103	M96	X	-3.45	-3.45	0	%100
104	M96	Z	-5.975	-5.975	0	%100
105	M97	X	-.006	-.006	0	%100
106	M97	Z	-.01	-.01	0	%100
107	MP1A	X	-3.596	-3.596	0	%100
108	MP1A	Z	-6.229	-6.229	0	%100
109	MP2A	X	-4.353	-4.353	0	%100
110	MP2A	Z	-7.54	-7.54	0	%100
111	MP3A	X	-3.596	-3.596	0	%100
112	MP3A	Z	-6.229	-6.229	0	%100
113	MP4A	X	-3.596	-3.596	0	%100
114	MP4A	Z	-6.229	-6.229	0	%100
115	MP1C	X	-3.596	-3.596	0	%100
116	MP1C	Z	-6.229	-6.229	0	%100
117	MP2C	X	-4.353	-4.353	0	%100
118	MP2C	Z	-7.54	-7.54	0	%100
119	MP3C	X	-3.596	-3.596	0	%100
120	MP3C	Z	-6.229	-6.229	0	%100
121	MP4C	X	-3.596	-3.596	0	%100
122	MP4C	Z	-6.229	-6.229	0	%100
123	MP1B	X	-3.596	-3.596	0	%100
124	MP1B	Z	-6.229	-6.229	0	%100
125	MP2B	X	-4.353	-4.353	0	%100
126	MP2B	Z	-7.54	-7.54	0	%100
127	MP3B	X	-3.596	-3.596	0	%100
128	MP3B	Z	-6.229	-6.229	0	%100
129	MP4B	X	-3.596	-3.596	0	%100
130	MP4B	Z	-6.229	-6.229	0	%100
131	M122	X	-2.941	-2.941	0	%100
132	M122	Z	-5.094	-5.094	0	%100
133	M124	X	-3.265	-3.265	0	%100
134	M124	Z	-5.655	-5.655	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	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,%]
137	M138	X	-3.265	-3.265	0	%100
138	M138	Z	-5.655	-5.655	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	-4.195	-4.195	0	%100
142	M146	Z	-7.266	-7.266	0	%100
143	M147	X	-4.195	-4.195	0	%100
144	M147	Z	-7.266	-7.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.326	-3.326	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.831	-.831	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.831	-.831	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-4.27	-4.27	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-4.27	-4.27	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-4.27	-4.27	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-4.27	-4.27	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-2.468	-2.468	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-3.155	-3.155	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-1.067	-1.067	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-1.067	-1.067	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-1.067	-1.067	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-1.067	-1.067	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-3.714	-3.714	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.067	-1.067	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-1.067	-1.067	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-1.067	-1.067	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-1.067	-1.067	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.127	-.127	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	-3.155	-3.155	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-1.068	-1.068	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-1.068	-1.068	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-4.271	-4.271	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-2.5	-2.5	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	-.663	-.663	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	-.667	-.667	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-2.956	-2.956	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-.831	-.831	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	-1.067	-1.067	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	-1.067	-1.067	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-3.714	-3.714	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	-4.27	-4.27	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	-4.27	-4.27	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	-3.155	-3.155	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	-1.068	-1.068	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	-2.5	-2.5	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	-.667	-.667	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-.671	-.671	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	-.808	-.808	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	-2.95	-2.95	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	-1.067	-1.067	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-1.067	-1.067	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	-.127	-.127	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	-1.067	-1.067	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	-1.067	-1.067	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	-4.271	-4.271	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	-2.661	-2.661	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	-2.676	-2.676	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-.673	-.673	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	-.649	-.649	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	-2.682	-2.682	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	-2.968	-2.968	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	-2.682	-2.682	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	-2.682	-2.682	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	-2.682	-2.682	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	-2.968	-2.968	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	-2.682	-2.682	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	-2.682	-2.682	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	-2.682	-2.682	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	-2.968	-2.968	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	-2.682	-2.682	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	-2.682	-2.682	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	-2.203	-2.203	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	-2.968	-2.968	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	-.742	-.742	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	-.742	-.742	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	-.78	-.78	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	-3.121	-3.121	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	-.78	-.78	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.247	1.247	0	%100
2	M1	Z	-2.16	-2.16	0	%100
3	M2	X	1.247	1.247	0	%100
4	M2	Z	-2.16	-2.16	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	1.601	1.601	0	%100
8	M8	Z	-2.773	-2.773	0	%100
9	M9	X	1.601	1.601	0	%100
10	M9	Z	-2.773	-2.773	0	%100
11	M10	X	1.601	1.601	0	%100
12	M10	Z	-2.773	-2.773	0	%100
13	M11	X	1.601	1.601	0	%100
14	M11	Z	-2.773	-2.773	0	%100
15	M12	X	.246	.246	0	%100
16	M12	Z	-.426	-.426	0	%100
17	M13	X	2.103	2.103	0	%100
18	M13	Z	-3.643	-3.643	0	%100
19	M18	X	1.601	1.601	0	%100
20	M18	Z	-2.773	-2.773	0	%100
21	M19	X	1.601	1.601	0	%100
22	M19	Z	-2.773	-2.773	0	%100
23	M20	X	1.601	1.601	0	%100
24	M20	Z	-2.773	-2.773	0	%100
25	M21	X	1.601	1.601	0	%100
26	M21	Z	-2.773	-2.773	0	%100
27	M22	X	2.04	2.04	0	%100
28	M22	Z	-3.533	-3.533	0	%100
29	M23	X	.526	.526	0	%100
30	M23	Z	-.911	-.911	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.869	.869	0	%100
40	M32	Z	-1.505	-1.505	0	%100
41	M33	X	.526	.526	0	%100
42	M33	Z	-.911	-.911	0	%100
43	M34	X	1.602	1.602	0	%100
44	M34	Z	-2.774	-2.774	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	1.602	1.602	0	%100
48	M36	Z	-2.774	-2.774	0	%100
49	M41	X	.417	.417	0	%100
50	M41	Z	-.722	-.722	0	%100
51	M39A	X	.997	.997	0	%100
52	M39A	Z	-1.726	-1.726	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,%]
53	M41A	X	1.002	1.002	0	%100
54	M41A	Z	-1.736	-1.736	0	%100
55	M48	X	1.075	1.075	0	%100
56	M48	Z	-1.862	-1.862	0	%100
57	M49	X	.002	.002	0	%100
58	M49	Z	-.003	-.003	0	%100
59	M52	X	1.601	1.601	0	%100
60	M52	Z	-2.773	-2.773	0	%100
61	M53	X	1.601	1.601	0	%100
62	M53	Z	-2.773	-2.773	0	%100
63	M54	X	2.04	2.04	0	%100
64	M54	Z	-3.533	-3.533	0	%100
65	M57	X	1.601	1.601	0	%100
66	M57	Z	-2.773	-2.773	0	%100
67	M58	X	1.601	1.601	0	%100
68	M58	Z	-2.773	-2.773	0	%100
69	M59	X	2.103	2.103	0	%100
70	M59	Z	-3.643	-3.643	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	1.667	1.667	0	%100
74	M61	Z	-2.887	-2.887	0	%100
75	M63	X	1e-6	1e-6	0	%100
76	M63	Z	-2e-6	-2e-6	0	%100
77	M65	X	1e-6	1e-6	0	%100
78	M65	Z	-2e-6	-2e-6	0	%100
79	M72	X	1.142	1.142	0	%100
80	M72	Z	-1.979	-1.979	0	%100
81	M73	X	1.152	1.152	0	%100
82	M73	Z	-1.996	-1.996	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	.869	.869	0	%100
88	M78	Z	-1.505	-1.505	0	%100
89	M81	X	1.601	1.601	0	%100
90	M81	Z	-2.773	-2.773	0	%100
91	M82	X	1.601	1.601	0	%100
92	M82	Z	-2.773	-2.773	0	%100
93	M83	X	.526	.526	0	%100
94	M83	Z	-.911	-.911	0	%100
95	M84	X	1.602	1.602	0	%100
96	M84	Z	-2.774	-2.774	0	%100
97	M85	X	.417	.417	0	%100
98	M85	Z	-.722	-.722	0	%100
99	M87	X	.999	.999	0	%100
100	M87	Z	-1.73	-1.73	0	%100
101	M89	X	1.004	1.004	0	%100
102	M89	Z	-1.74	-1.74	0	%100
103	M96	X	.001	.001	0	%100
104	M96	Z	-.002	-.002	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,%]
105	M97	X	1.061	1.061	0	%100
106	M97	Z	-1.838	-1.838	0	%100
107	MP1A	X	1.341	1.341	0	%100
108	MP1A	Z	-2.322	-2.322	0	%100
109	MP2A	X	1.484	1.484	0	%100
110	MP2A	Z	-2.57	-2.57	0	%100
111	MP3A	X	1.341	1.341	0	%100
112	MP3A	Z	-2.322	-2.322	0	%100
113	MP4A	X	1.341	1.341	0	%100
114	MP4A	Z	-2.322	-2.322	0	%100
115	MP1C	X	1.341	1.341	0	%100
116	MP1C	Z	-2.322	-2.322	0	%100
117	MP2C	X	1.484	1.484	0	%100
118	MP2C	Z	-2.57	-2.57	0	%100
119	MP3C	X	1.341	1.341	0	%100
120	MP3C	Z	-2.322	-2.322	0	%100
121	MP4C	X	1.341	1.341	0	%100
122	MP4C	Z	-2.322	-2.322	0	%100
123	MP1B	X	1.341	1.341	0	%100
124	MP1B	Z	-2.322	-2.322	0	%100
125	MP2B	X	1.484	1.484	0	%100
126	MP2B	Z	-2.57	-2.57	0	%100
127	MP3B	X	1.341	1.341	0	%100
128	MP3B	Z	-2.322	-2.322	0	%100
129	MP4B	X	1.341	1.341	0	%100
130	MP4B	Z	-2.322	-2.322	0	%100
131	M122	X	1.102	1.102	0	%100
132	M122	Z	-1.908	-1.908	0	%100
133	M124	X	1.113	1.113	0	%100
134	M124	Z	-1.928	-1.928	0	%100
135	M131	X	1.113	1.113	0	%100
136	M131	Z	-1.928	-1.928	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	1.171	1.171	0	%100
140	M145	Z	-2.027	-2.027	0	%100
141	M146	X	1.171	1.171	0	%100
142	M146	Z	-2.027	-2.027	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	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	.72	.72	0	%100
2	M1	Z	-.416	-.416	0	%100
3	M2	X	2.88	2.88	0	%100
4	M2	Z	-1.663	-1.663	0	%100
5	M3	X	.72	.72	0	%100
6	M3	Z	-.416	-.416	0	%100
7	M8	X	.924	.924	0	%100
8	M8	Z	-.534	-.534	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,%]
9	M9	X	.924	.924	0	%100
10	M9	Z	-.534	-.534	0	%100
11	M10	X	.924	.924	0	%100
12	M10	Z	-.534	-.534	0	%100
13	M11	X	.924	.924	0	%100
14	M11	Z	-.534	-.534	0	%100
15	M12	X	.11	.11	0	%100
16	M12	Z	-.063	-.063	0	%100
17	M13	X	2.732	2.732	0	%100
18	M13	Z	-1.577	-1.577	0	%100
19	M18	X	3.698	3.698	0	%100
20	M18	Z	-2.135	-2.135	0	%100
21	M19	X	3.698	3.698	0	%100
22	M19	Z	-2.135	-2.135	0	%100
23	M20	X	3.698	3.698	0	%100
24	M20	Z	-2.135	-2.135	0	%100
25	M21	X	3.698	3.698	0	%100
26	M21	Z	-2.135	-2.135	0	%100
27	M22	X	2.138	2.138	0	%100
28	M22	Z	-1.234	-1.234	0	%100
29	M23	X	2.732	2.732	0	%100
30	M23	Z	-1.577	-1.577	0	%100
31	M28	X	.924	.924	0	%100
32	M28	Z	-.534	-.534	0	%100
33	M29	X	.924	.924	0	%100
34	M29	Z	-.534	-.534	0	%100
35	M30	X	.924	.924	0	%100
36	M30	Z	-.534	-.534	0	%100
37	M31	X	.924	.924	0	%100
38	M31	Z	-.534	-.534	0	%100
39	M32	X	3.216	3.216	0	%100
40	M32	Z	-1.857	-1.857	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	3.699	3.699	0	%100
44	M34	Z	-2.136	-2.136	0	%100
45	M35	X	.925	.925	0	%100
46	M35	Z	-.534	-.534	0	%100
47	M36	X	.925	.925	0	%100
48	M36	Z	-.534	-.534	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	2.304	2.304	0	%100
52	M39A	Z	-1.33	-1.33	0	%100
53	M41A	X	2.317	2.317	0	%100
54	M41A	Z	-1.338	-1.338	0	%100
55	M48	X	.583	.583	0	%100
56	M48	Z	-.337	-.337	0	%100
57	M49	X	.562	.562	0	%100
58	M49	Z	-.325	-.325	0	%100
59	M52	X	3.698	3.698	0	%100
60	M52	Z	-2.135	-2.135	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,%]
61	M53	X	3.698	3.698	0	%100
62	M53	Z	-2.135	-2.135	0	%100
63	M54	X	2.138	2.138	0	%100
64	M54	Z	-1.234	-1.234	0	%100
65	M57	X	.924	.924	0	%100
66	M57	Z	-.534	-.534	0	%100
67	M58	X	.924	.924	0	%100
68	M58	Z	-.534	-.534	0	%100
69	M59	X	2.732	2.732	0	%100
70	M59	Z	-1.577	-1.577	0	%100
71	M60	X	.925	.925	0	%100
72	M60	Z	-.534	-.534	0	%100
73	M61	X	2.165	2.165	0	%100
74	M61	Z	-1.25	-1.25	0	%100
75	M63	X	.574	.574	0	%100
76	M63	Z	-.332	-.332	0	%100
77	M65	X	.578	.578	0	%100
78	M65	Z	-.333	-.333	0	%100
79	M72	X	2.56	2.56	0	%100
80	M72	Z	-1.478	-1.478	0	%100
81	M73	X	.72	.72	0	%100
82	M73	Z	-.416	-.416	0	%100
83	M76	X	.924	.924	0	%100
84	M76	Z	-.534	-.534	0	%100
85	M77	X	.924	.924	0	%100
86	M77	Z	-.534	-.534	0	%100
87	M78	X	3.216	3.216	0	%100
88	M78	Z	-1.857	-1.857	0	%100
89	M81	X	3.698	3.698	0	%100
90	M81	Z	-2.135	-2.135	0	%100
91	M82	X	3.698	3.698	0	%100
92	M82	Z	-2.135	-2.135	0	%100
93	M83	X	2.732	2.732	0	%100
94	M83	Z	-1.577	-1.577	0	%100
95	M84	X	.925	.925	0	%100
96	M84	Z	-.534	-.534	0	%100
97	M85	X	2.165	2.165	0	%100
98	M85	Z	-1.25	-1.25	0	%100
99	M87	X	.578	.578	0	%100
100	M87	Z	-.334	-.334	0	%100
101	M89	X	.581	.581	0	%100
102	M89	Z	-.335	-.335	0	%100
103	M96	X	.7	.7	0	%100
104	M96	Z	-.404	-.404	0	%100
105	M97	X	2.555	2.555	0	%100
106	M97	Z	-1.475	-1.475	0	%100
107	MP1A	X	2.322	2.322	0	%100
108	MP1A	Z	-1.341	-1.341	0	%100
109	MP2A	X	2.57	2.57	0	%100
110	MP2A	Z	-1.484	-1.484	0	%100
111	MP3A	X	2.322	2.322	0	%100
112	MP3A	Z	-1.341	-1.341	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,%]
113	MP4A	X	2.322	2.322	0	%100
114	MP4A	Z	-1.341	-1.341	0	%100
115	MP1C	X	2.322	2.322	0	%100
116	MP1C	Z	-1.341	-1.341	0	%100
117	MP2C	X	2.57	2.57	0	%100
118	MP2C	Z	-1.484	-1.484	0	%100
119	MP3C	X	2.322	2.322	0	%100
120	MP3C	Z	-1.341	-1.341	0	%100
121	MP4C	X	2.322	2.322	0	%100
122	MP4C	Z	-1.341	-1.341	0	%100
123	MP1B	X	2.322	2.322	0	%100
124	MP1B	Z	-1.341	-1.341	0	%100
125	MP2B	X	2.57	2.57	0	%100
126	MP2B	Z	-1.484	-1.484	0	%100
127	MP3B	X	2.322	2.322	0	%100
128	MP3B	Z	-1.341	-1.341	0	%100
129	MP4B	X	2.322	2.322	0	%100
130	MP4B	Z	-1.341	-1.341	0	%100
131	M122	X	1.908	1.908	0	%100
132	M122	Z	-1.102	-1.102	0	%100
133	M124	X	.643	.643	0	%100
134	M124	Z	-.371	-.371	0	%100
135	M131	X	2.57	2.57	0	%100
136	M131	Z	-1.484	-1.484	0	%100
137	M138	X	.643	.643	0	%100
138	M138	Z	-.371	-.371	0	%100
139	M145	X	2.703	2.703	0	%100
140	M145	Z	-1.561	-1.561	0	%100
141	M146	X	.676	.676	0	%100
142	M146	Z	-.39	-.39	0	%100
143	M147	X	.676	.676	0	%100
144	M147	Z	-.39	-.39	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	2.494	2.494	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.494	2.494	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	1.738	1.738	0	%100
16	M12	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M13	X	1.052	1.052	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	3.202	3.202	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	3.202	3.202	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	3.202	3.202	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	3.202	3.202	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.492	.492	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	4.206	4.206	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	3.202	3.202	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	3.202	3.202	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	3.202	3.202	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	3.202	3.202	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	4.079	4.079	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	1.052	1.052	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	3.203	3.203	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	3.203	3.203	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	.833	.833	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	1.997	1.997	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	2.009	2.009	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	.002	.002	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	2.122	2.122	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	3.202	3.202	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	3.202	3.202	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	.492	.492	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M59	X	1.052	1.052	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	3.203	3.203	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	.833	.833	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	1.994	1.994	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	2.005	2.005	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	2.15	2.15	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	.004	.004	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	3.202	3.202	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	3.202	3.202	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	4.079	4.079	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	3.202	3.202	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	3.202	3.202	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	4.206	4.206	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	3.333	3.333	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	2e-6	2e-6	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	2e-6	2e-6	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	2.285	2.285	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	2.305	2.305	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	2.682	2.682	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	2.968	2.968	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	2.682	2.682	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	2.682	2.682	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	2.682	2.682	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	2.968	2.968	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	2.682	2.682	0	%100
120	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	MP4C	X	2.682	2.682	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	2.682	2.682	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	2.968	2.968	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	2.682	2.682	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	2.682	2.682	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	2.203	2.203	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	2.226	2.226	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	2.226	2.226	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	2.341	2.341	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	2.341	2.341	0	%100
144	M147	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	.72	.72	0	%100
2	M1	Z	.416	.416	0	%100
3	M2	X	.72	.72	0	%100
4	M2	Z	.416	.416	0	%100
5	M3	X	2.88	2.88	0	%100
6	M3	Z	1.663	1.663	0	%100
7	M8	X	.924	.924	0	%100
8	M8	Z	.534	.534	0	%100
9	M9	X	.924	.924	0	%100
10	M9	Z	.534	.534	0	%100
11	M10	X	.924	.924	0	%100
12	M10	Z	.534	.534	0	%100
13	M11	X	.924	.924	0	%100
14	M11	Z	.534	.534	0	%100
15	M12	X	3.216	3.216	0	%100
16	M12	Z	1.857	1.857	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	.924	.924	0	%100
20	M18	Z	.534	.534	0	%100
21	M19	X	.924	.924	0	%100
22	M19	Z	.534	.534	0	%100
23	M20	X	.924	.924	0	%100
24	M20	Z	.534	.534	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,%]
25	M21	X	.924	.924	0	%100
26	M21	Z	.534	.534	0	%100
27	M22	X	.11	.11	0	%100
28	M22	Z	.063	.063	0	%100
29	M23	X	2.732	2.732	0	%100
30	M23	Z	1.577	1.577	0	%100
31	M28	X	3.698	3.698	0	%100
32	M28	Z	2.135	2.135	0	%100
33	M29	X	3.698	3.698	0	%100
34	M29	Z	2.135	2.135	0	%100
35	M30	X	3.698	3.698	0	%100
36	M30	Z	2.135	2.135	0	%100
37	M31	X	3.698	3.698	0	%100
38	M31	Z	2.135	2.135	0	%100
39	M32	X	2.138	2.138	0	%100
40	M32	Z	1.234	1.234	0	%100
41	M33	X	2.732	2.732	0	%100
42	M33	Z	1.577	1.577	0	%100
43	M34	X	.925	.925	0	%100
44	M34	Z	.534	.534	0	%100
45	M35	X	3.699	3.699	0	%100
46	M35	Z	2.136	2.136	0	%100
47	M36	X	.925	.925	0	%100
48	M36	Z	.534	.534	0	%100
49	M41	X	2.165	2.165	0	%100
50	M41	Z	1.25	1.25	0	%100
51	M39A	X	.578	.578	0	%100
52	M39A	Z	.334	.334	0	%100
53	M41A	X	.581	.581	0	%100
54	M41A	Z	.335	.335	0	%100
55	M48	X	.7	.7	0	%100
56	M48	Z	.404	.404	0	%100
57	M49	X	2.555	2.555	0	%100
58	M49	Z	1.475	1.475	0	%100
59	M52	X	.924	.924	0	%100
60	M52	Z	.534	.534	0	%100
61	M53	X	.924	.924	0	%100
62	M53	Z	.534	.534	0	%100
63	M54	X	.11	.11	0	%100
64	M54	Z	.063	.063	0	%100
65	M57	X	.924	.924	0	%100
66	M57	Z	.534	.534	0	%100
67	M58	X	.924	.924	0	%100
68	M58	Z	.534	.534	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	3.699	3.699	0	%100
72	M60	Z	2.136	2.136	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	2.304	2.304	0	%100
76	M63	Z	1.33	1.33	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,%]
77	M65	X	2.317	2.317	0	%100
78	M65	Z	1.338	1.338	0	%100
79	M72	X	.583	.583	0	%100
80	M72	Z	.337	.337	0	%100
81	M73	X	.562	.562	0	%100
82	M73	Z	.325	.325	0	%100
83	M76	X	3.698	3.698	0	%100
84	M76	Z	2.135	2.135	0	%100
85	M77	X	3.698	3.698	0	%100
86	M77	Z	2.135	2.135	0	%100
87	M78	X	2.138	2.138	0	%100
88	M78	Z	1.234	1.234	0	%100
89	M81	X	.924	.924	0	%100
90	M81	Z	.534	.534	0	%100
91	M82	X	.924	.924	0	%100
92	M82	Z	.534	.534	0	%100
93	M83	X	2.732	2.732	0	%100
94	M83	Z	1.577	1.577	0	%100
95	M84	X	.925	.925	0	%100
96	M84	Z	.534	.534	0	%100
97	M85	X	2.165	2.165	0	%100
98	M85	Z	1.25	1.25	0	%100
99	M87	X	.574	.574	0	%100
100	M87	Z	.332	.332	0	%100
101	M89	X	.578	.578	0	%100
102	M89	Z	.333	.333	0	%100
103	M96	X	2.56	2.56	0	%100
104	M96	Z	1.478	1.478	0	%100
105	M97	X	.72	.72	0	%100
106	M97	Z	.416	.416	0	%100
107	MP1A	X	2.322	2.322	0	%100
108	MP1A	Z	1.341	1.341	0	%100
109	MP2A	X	2.57	2.57	0	%100
110	MP2A	Z	1.484	1.484	0	%100
111	MP3A	X	2.322	2.322	0	%100
112	MP3A	Z	1.341	1.341	0	%100
113	MP4A	X	2.322	2.322	0	%100
114	MP4A	Z	1.341	1.341	0	%100
115	MP1C	X	2.322	2.322	0	%100
116	MP1C	Z	1.341	1.341	0	%100
117	MP2C	X	2.57	2.57	0	%100
118	MP2C	Z	1.484	1.484	0	%100
119	MP3C	X	2.322	2.322	0	%100
120	MP3C	Z	1.341	1.341	0	%100
121	MP4C	X	2.322	2.322	0	%100
122	MP4C	Z	1.341	1.341	0	%100
123	MP1B	X	2.322	2.322	0	%100
124	MP1B	Z	1.341	1.341	0	%100
125	MP2B	X	2.57	2.57	0	%100
126	MP2B	Z	1.484	1.484	0	%100
127	MP3B	X	2.322	2.322	0	%100
128	MP3B	Z	1.341	1.341	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,%]
129	MP4B	X	2.322	2.322	0	%100
130	MP4B	Z	1.341	1.341	0	%100
131	M122	X	1.908	1.908	0	%100
132	M122	Z	1.102	1.102	0	%100
133	M124	X	.643	.643	0	%100
134	M124	Z	.371	.371	0	%100
135	M131	X	.643	.643	0	%100
136	M131	Z	.371	.371	0	%100
137	M138	X	2.57	2.57	0	%100
138	M138	Z	1.484	1.484	0	%100
139	M145	X	.676	.676	0	%100
140	M145	Z	.39	.39	0	%100
141	M146	X	.676	.676	0	%100
142	M146	Z	.39	.39	0	%100
143	M147	X	2.703	2.703	0	%100
144	M147	Z	1.561	1.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.247	1.247	0	%100
2	M1	Z	2.16	2.16	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.247	1.247	0	%100
6	M3	Z	2.16	2.16	0	%100
7	M8	X	1.601	1.601	0	%100
8	M8	Z	2.773	2.773	0	%100
9	M9	X	1.601	1.601	0	%100
10	M9	Z	2.773	2.773	0	%100
11	M10	X	1.601	1.601	0	%100
12	M10	Z	2.773	2.773	0	%100
13	M11	X	1.601	1.601	0	%100
14	M11	Z	2.773	2.773	0	%100
15	M12	X	2.04	2.04	0	%100
16	M12	Z	3.533	3.533	0	%100
17	M13	X	.526	.526	0	%100
18	M13	Z	.911	.911	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.869	.869	0	%100
28	M22	Z	1.505	1.505	0	%100
29	M23	X	.526	.526	0	%100
30	M23	Z	.911	.911	0	%100
31	M28	X	1.601	1.601	0	%100
32	M28	Z	2.773	2.773	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,%]
33	M29	X	1.601	1.601	0	%100
34	M29	Z	2.773	2.773	0	%100
35	M30	X	1.601	1.601	0	%100
36	M30	Z	2.773	2.773	0	%100
37	M31	X	1.601	1.601	0	%100
38	M31	Z	2.773	2.773	0	%100
39	M32	X	.246	.246	0	%100
40	M32	Z	.426	.426	0	%100
41	M33	X	2.103	2.103	0	%100
42	M33	Z	3.643	3.643	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	1.602	1.602	0	%100
46	M35	Z	2.774	2.774	0	%100
47	M36	X	1.602	1.602	0	%100
48	M36	Z	2.774	2.774	0	%100
49	M41	X	1.667	1.667	0	%100
50	M41	Z	2.887	2.887	0	%100
51	M39A	X	1e-6	1e-6	0	%100
52	M39A	Z	2e-6	2e-6	0	%100
53	M41A	X	1e-6	1e-6	0	%100
54	M41A	Z	2e-6	2e-6	0	%100
55	M48	X	1.142	1.142	0	%100
56	M48	Z	1.979	1.979	0	%100
57	M49	X	1.152	1.152	0	%100
58	M49	Z	1.996	1.996	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	.869	.869	0	%100
64	M54	Z	1.505	1.505	0	%100
65	M57	X	1.601	1.601	0	%100
66	M57	Z	2.773	2.773	0	%100
67	M58	X	1.601	1.601	0	%100
68	M58	Z	2.773	2.773	0	%100
69	M59	X	.526	.526	0	%100
70	M59	Z	.911	.911	0	%100
71	M60	X	1.602	1.602	0	%100
72	M60	Z	2.774	2.774	0	%100
73	M61	X	.417	.417	0	%100
74	M61	Z	.722	.722	0	%100
75	M63	X	.999	.999	0	%100
76	M63	Z	1.73	1.73	0	%100
77	M65	X	1.004	1.004	0	%100
78	M65	Z	1.74	1.74	0	%100
79	M72	X	.001	.001	0	%100
80	M72	Z	.002	.002	0	%100
81	M73	X	1.061	1.061	0	%100
82	M73	Z	1.838	1.838	0	%100
83	M76	X	1.601	1.601	0	%100
84	M76	Z	2.773	2.773	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,%]
85	M77	X	1.601	1.601	0	%100
86	M77	Z	2.773	2.773	0	%100
87	M78	X	.246	.246	0	%100
88	M78	Z	.426	.426	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	.526	.526	0	%100
94	M83	Z	.911	.911	0	%100
95	M84	X	1.602	1.602	0	%100
96	M84	Z	2.774	2.774	0	%100
97	M85	X	.417	.417	0	%100
98	M85	Z	.722	.722	0	%100
99	M87	X	.997	.997	0	%100
100	M87	Z	1.726	1.726	0	%100
101	M89	X	1.002	1.002	0	%100
102	M89	Z	1.736	1.736	0	%100
103	M96	X	1.075	1.075	0	%100
104	M96	Z	1.862	1.862	0	%100
105	M97	X	.002	.002	0	%100
106	M97	Z	.003	.003	0	%100
107	MP1A	X	1.341	1.341	0	%100
108	MP1A	Z	2.322	2.322	0	%100
109	MP2A	X	1.484	1.484	0	%100
110	MP2A	Z	2.57	2.57	0	%100
111	MP3A	X	1.341	1.341	0	%100
112	MP3A	Z	2.322	2.322	0	%100
113	MP4A	X	1.341	1.341	0	%100
114	MP4A	Z	2.322	2.322	0	%100
115	MP1C	X	1.341	1.341	0	%100
116	MP1C	Z	2.322	2.322	0	%100
117	MP2C	X	1.484	1.484	0	%100
118	MP2C	Z	2.57	2.57	0	%100
119	MP3C	X	1.341	1.341	0	%100
120	MP3C	Z	2.322	2.322	0	%100
121	MP4C	X	1.341	1.341	0	%100
122	MP4C	Z	2.322	2.322	0	%100
123	MP1B	X	1.341	1.341	0	%100
124	MP1B	Z	2.322	2.322	0	%100
125	MP2B	X	1.484	1.484	0	%100
126	MP2B	Z	2.57	2.57	0	%100
127	MP3B	X	1.341	1.341	0	%100
128	MP3B	Z	2.322	2.322	0	%100
129	MP4B	X	1.341	1.341	0	%100
130	MP4B	Z	2.322	2.322	0	%100
131	M122	X	1.102	1.102	0	%100
132	M122	Z	1.908	1.908	0	%100
133	M124	X	1.113	1.113	0	%100
134	M124	Z	1.928	1.928	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
137	M138	X	1.113	1.113	0	%100
138	M138	Z	1.928	1.928	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	1.171	1.171	0	%100
142	M146	Z	2.027	2.027	0	%100
143	M147	X	1.171	1.171	0	%100
144	M147	Z	2.027	2.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.326	3.326	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.831	.831	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.831	.831	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	4.27	4.27	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	4.27	4.27	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	4.27	4.27	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	4.27	4.27	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	2.468	2.468	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	3.155	3.155	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	1.067	1.067	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	1.067	1.067	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	1.067	1.067	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	1.067	1.067	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	3.714	3.714	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.067	1.067	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	1.067	1.067	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	1.067	1.067	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	1.067	1.067	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.127	.127	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	3.155	3.155	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	1.068	1.068	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	1.068	1.068	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	4.271	4.271	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	2.5	2.5	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	.663	.663	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	.667	.667	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	2.956	2.956	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	.831	.831	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	1.067	1.067	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	1.067	1.067	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	3.714	3.714	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	4.27	4.27	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	4.27	4.27	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	3.155	3.155	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	1.068	1.068	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	2.5	2.5	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	.667	.667	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	.671	.671	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	.808	.808	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	2.95	2.95	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	1.067	1.067	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	1.067	1.067	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	.127	.127	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	1.067	1.067	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	1.067	1.067	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	4.271	4.271	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	2.661	2.661	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	2.676	2.676	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	.673	.673	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	.649	.649	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	2.682	2.682	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	2.968	2.968	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	2.682	2.682	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	2.682	2.682	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	2.682	2.682	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	2.968	2.968	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	2.682	2.682	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	2.682	2.682	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	2.682	2.682	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	2.968	2.968	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	2.682	2.682	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	2.682	2.682	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	2.203	2.203	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	2.968	2.968	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	.742	.742	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	.742	.742	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	.78	.78	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	3.121	3.121	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	.78	.78	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.247	-1.247	0	%100
2	M1	Z	2.16	2.16	0	%100
3	M2	X	-1.247	-1.247	0	%100
4	M2	Z	2.16	2.16	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	-1.601	-1.601	0	%100
8	M8	Z	2.773	2.773	0	%100
9	M9	X	-1.601	-1.601	0	%100
10	M9	Z	2.773	2.773	0	%100
11	M10	X	-1.601	-1.601	0	%100
12	M10	Z	2.773	2.773	0	%100
13	M11	X	-1.601	-1.601	0	%100
14	M11	Z	2.773	2.773	0	%100
15	M12	X	-.246	-.246	0	%100
16	M12	Z	.426	.426	0	%100
17	M13	X	-2.103	-2.103	0	%100
18	M13	Z	3.643	3.643	0	%100
19	M18	X	-1.601	-1.601	0	%100
20	M18	Z	2.773	2.773	0	%100
21	M19	X	-1.601	-1.601	0	%100
22	M19	Z	2.773	2.773	0	%100
23	M20	X	-1.601	-1.601	0	%100
24	M20	Z	2.773	2.773	0	%100
25	M21	X	-1.601	-1.601	0	%100
26	M21	Z	2.773	2.773	0	%100
27	M22	X	-2.04	-2.04	0	%100
28	M22	Z	3.533	3.533	0	%100
29	M23	X	-.526	-.526	0	%100
30	M23	Z	.911	.911	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.869	-.869	0	%100
40	M32	Z	1.505	1.505	0	%100
41	M33	X	-.526	-.526	0	%100
42	M33	Z	.911	.911	0	%100
43	M34	X	-1.602	-1.602	0	%100
44	M34	Z	2.774	2.774	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-1.602	-1.602	0	%100
48	M36	Z	2.774	2.774	0	%100
49	M41	X	-.417	-.417	0	%100
50	M41	Z	.722	.722	0	%100
51	M39A	X	-.997	-.997	0	%100
52	M39A	Z	1.726	1.726	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,%]
53	M41A	X	-1.002	-1.002	0	%100
54	M41A	Z	1.736	1.736	0	%100
55	M48	X	-1.075	-1.075	0	%100
56	M48	Z	1.862	1.862	0	%100
57	M49	X	-.002	-.002	0	%100
58	M49	Z	.003	.003	0	%100
59	M52	X	-1.601	-1.601	0	%100
60	M52	Z	2.773	2.773	0	%100
61	M53	X	-1.601	-1.601	0	%100
62	M53	Z	2.773	2.773	0	%100
63	M54	X	-2.04	-2.04	0	%100
64	M54	Z	3.533	3.533	0	%100
65	M57	X	-1.601	-1.601	0	%100
66	M57	Z	2.773	2.773	0	%100
67	M58	X	-1.601	-1.601	0	%100
68	M58	Z	2.773	2.773	0	%100
69	M59	X	-2.103	-2.103	0	%100
70	M59	Z	3.643	3.643	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-1.667	-1.667	0	%100
74	M61	Z	2.887	2.887	0	%100
75	M63	X	-1e-6	-1e-6	0	%100
76	M63	Z	2e-6	2e-6	0	%100
77	M65	X	-1e-6	-1e-6	0	%100
78	M65	Z	2e-6	2e-6	0	%100
79	M72	X	-1.142	-1.142	0	%100
80	M72	Z	1.979	1.979	0	%100
81	M73	X	-1.152	-1.152	0	%100
82	M73	Z	1.996	1.996	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-.869	-.869	0	%100
88	M78	Z	1.505	1.505	0	%100
89	M81	X	-1.601	-1.601	0	%100
90	M81	Z	2.773	2.773	0	%100
91	M82	X	-1.601	-1.601	0	%100
92	M82	Z	2.773	2.773	0	%100
93	M83	X	-.526	-.526	0	%100
94	M83	Z	.911	.911	0	%100
95	M84	X	-1.602	-1.602	0	%100
96	M84	Z	2.774	2.774	0	%100
97	M85	X	-.417	-.417	0	%100
98	M85	Z	.722	.722	0	%100
99	M87	X	-.999	-.999	0	%100
100	M87	Z	1.73	1.73	0	%100
101	M89	X	-1.004	-1.004	0	%100
102	M89	Z	1.74	1.74	0	%100
103	M96	X	-.001	-.001	0	%100
104	M96	Z	.002	.002	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,%]
105	M97	X	-1.061	-1.061	0	%100
106	M97	Z	1.838	1.838	0	%100
107	MP1A	X	-1.341	-1.341	0	%100
108	MP1A	Z	2.322	2.322	0	%100
109	MP2A	X	-1.484	-1.484	0	%100
110	MP2A	Z	2.57	2.57	0	%100
111	MP3A	X	-1.341	-1.341	0	%100
112	MP3A	Z	2.322	2.322	0	%100
113	MP4A	X	-1.341	-1.341	0	%100
114	MP4A	Z	2.322	2.322	0	%100
115	MP1C	X	-1.341	-1.341	0	%100
116	MP1C	Z	2.322	2.322	0	%100
117	MP2C	X	-1.484	-1.484	0	%100
118	MP2C	Z	2.57	2.57	0	%100
119	MP3C	X	-1.341	-1.341	0	%100
120	MP3C	Z	2.322	2.322	0	%100
121	MP4C	X	-1.341	-1.341	0	%100
122	MP4C	Z	2.322	2.322	0	%100
123	MP1B	X	-1.341	-1.341	0	%100
124	MP1B	Z	2.322	2.322	0	%100
125	MP2B	X	-1.484	-1.484	0	%100
126	MP2B	Z	2.57	2.57	0	%100
127	MP3B	X	-1.341	-1.341	0	%100
128	MP3B	Z	2.322	2.322	0	%100
129	MP4B	X	-1.341	-1.341	0	%100
130	MP4B	Z	2.322	2.322	0	%100
131	M122	X	-1.102	-1.102	0	%100
132	M122	Z	1.908	1.908	0	%100
133	M124	X	-1.113	-1.113	0	%100
134	M124	Z	1.928	1.928	0	%100
135	M131	X	-1.113	-1.113	0	%100
136	M131	Z	1.928	1.928	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-1.171	-1.171	0	%100
140	M145	Z	2.027	2.027	0	%100
141	M146	X	-1.171	-1.171	0	%100
142	M146	Z	2.027	2.027	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	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	-.72	-.72	0	%100
2	M1	Z	.416	.416	0	%100
3	M2	X	-2.88	-2.88	0	%100
4	M2	Z	1.663	1.663	0	%100
5	M3	X	-.72	-.72	0	%100
6	M3	Z	.416	.416	0	%100
7	M8	X	-.924	-.924	0	%100
8	M8	Z	.534	.534	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,%]
9	M9	X	-.924	-.924	0	%100
10	M9	Z	.534	.534	0	%100
11	M10	X	-.924	-.924	0	%100
12	M10	Z	.534	.534	0	%100
13	M11	X	-.924	-.924	0	%100
14	M11	Z	.534	.534	0	%100
15	M12	X	-.11	-.11	0	%100
16	M12	Z	.063	.063	0	%100
17	M13	X	-2.732	-2.732	0	%100
18	M13	Z	1.577	1.577	0	%100
19	M18	X	-3.698	-3.698	0	%100
20	M18	Z	2.135	2.135	0	%100
21	M19	X	-3.698	-3.698	0	%100
22	M19	Z	2.135	2.135	0	%100
23	M20	X	-3.698	-3.698	0	%100
24	M20	Z	2.135	2.135	0	%100
25	M21	X	-3.698	-3.698	0	%100
26	M21	Z	2.135	2.135	0	%100
27	M22	X	-2.138	-2.138	0	%100
28	M22	Z	1.234	1.234	0	%100
29	M23	X	-2.732	-2.732	0	%100
30	M23	Z	1.577	1.577	0	%100
31	M28	X	-.924	-.924	0	%100
32	M28	Z	.534	.534	0	%100
33	M29	X	-.924	-.924	0	%100
34	M29	Z	.534	.534	0	%100
35	M30	X	-.924	-.924	0	%100
36	M30	Z	.534	.534	0	%100
37	M31	X	-.924	-.924	0	%100
38	M31	Z	.534	.534	0	%100
39	M32	X	-3.216	-3.216	0	%100
40	M32	Z	1.857	1.857	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-3.699	-3.699	0	%100
44	M34	Z	2.136	2.136	0	%100
45	M35	X	-.925	-.925	0	%100
46	M35	Z	.534	.534	0	%100
47	M36	X	-.925	-.925	0	%100
48	M36	Z	.534	.534	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-2.304	-2.304	0	%100
52	M39A	Z	1.33	1.33	0	%100
53	M41A	X	-2.317	-2.317	0	%100
54	M41A	Z	1.338	1.338	0	%100
55	M48	X	-.583	-.583	0	%100
56	M48	Z	.337	.337	0	%100
57	M49	X	-.562	-.562	0	%100
58	M49	Z	.325	.325	0	%100
59	M52	X	-3.698	-3.698	0	%100
60	M52	Z	2.135	2.135	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,%]
61	M53	X	-3.698	-3.698	0	%100
62	M53	Z	2.135	2.135	0	%100
63	M54	X	-2.138	-2.138	0	%100
64	M54	Z	1.234	1.234	0	%100
65	M57	X	-.924	-.924	0	%100
66	M57	Z	.534	.534	0	%100
67	M58	X	-.924	-.924	0	%100
68	M58	Z	.534	.534	0	%100
69	M59	X	-2.732	-2.732	0	%100
70	M59	Z	1.577	1.577	0	%100
71	M60	X	-.925	-.925	0	%100
72	M60	Z	.534	.534	0	%100
73	M61	X	-2.165	-2.165	0	%100
74	M61	Z	1.25	1.25	0	%100
75	M63	X	-.574	-.574	0	%100
76	M63	Z	.332	.332	0	%100
77	M65	X	-.578	-.578	0	%100
78	M65	Z	.333	.333	0	%100
79	M72	X	-2.56	-2.56	0	%100
80	M72	Z	1.478	1.478	0	%100
81	M73	X	-.72	-.72	0	%100
82	M73	Z	.416	.416	0	%100
83	M76	X	-.924	-.924	0	%100
84	M76	Z	.534	.534	0	%100
85	M77	X	-.924	-.924	0	%100
86	M77	Z	.534	.534	0	%100
87	M78	X	-3.216	-3.216	0	%100
88	M78	Z	1.857	1.857	0	%100
89	M81	X	-3.698	-3.698	0	%100
90	M81	Z	2.135	2.135	0	%100
91	M82	X	-3.698	-3.698	0	%100
92	M82	Z	2.135	2.135	0	%100
93	M83	X	-2.732	-2.732	0	%100
94	M83	Z	1.577	1.577	0	%100
95	M84	X	-.925	-.925	0	%100
96	M84	Z	.534	.534	0	%100
97	M85	X	-2.165	-2.165	0	%100
98	M85	Z	1.25	1.25	0	%100
99	M87	X	-.578	-.578	0	%100
100	M87	Z	.334	.334	0	%100
101	M89	X	-.581	-.581	0	%100
102	M89	Z	.335	.335	0	%100
103	M96	X	-.7	-.7	0	%100
104	M96	Z	.404	.404	0	%100
105	M97	X	-2.555	-2.555	0	%100
106	M97	Z	1.475	1.475	0	%100
107	MP1A	X	-2.322	-2.322	0	%100
108	MP1A	Z	1.341	1.341	0	%100
109	MP2A	X	-2.57	-2.57	0	%100
110	MP2A	Z	1.484	1.484	0	%100
111	MP3A	X	-2.322	-2.322	0	%100
112	MP3A	Z	1.341	1.341	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,%]
113	MP4A	X	-2.322	-2.322	0	%100
114	MP4A	Z	1.341	1.341	0	%100
115	MP1C	X	-2.322	-2.322	0	%100
116	MP1C	Z	1.341	1.341	0	%100
117	MP2C	X	-2.57	-2.57	0	%100
118	MP2C	Z	1.484	1.484	0	%100
119	MP3C	X	-2.322	-2.322	0	%100
120	MP3C	Z	1.341	1.341	0	%100
121	MP4C	X	-2.322	-2.322	0	%100
122	MP4C	Z	1.341	1.341	0	%100
123	MP1B	X	-2.322	-2.322	0	%100
124	MP1B	Z	1.341	1.341	0	%100
125	MP2B	X	-2.57	-2.57	0	%100
126	MP2B	Z	1.484	1.484	0	%100
127	MP3B	X	-2.322	-2.322	0	%100
128	MP3B	Z	1.341	1.341	0	%100
129	MP4B	X	-2.322	-2.322	0	%100
130	MP4B	Z	1.341	1.341	0	%100
131	M122	X	-1.908	-1.908	0	%100
132	M122	Z	1.102	1.102	0	%100
133	M124	X	-.643	-.643	0	%100
134	M124	Z	.371	.371	0	%100
135	M131	X	-2.57	-2.57	0	%100
136	M131	Z	1.484	1.484	0	%100
137	M138	X	-.643	-.643	0	%100
138	M138	Z	.371	.371	0	%100
139	M145	X	-2.703	-2.703	0	%100
140	M145	Z	1.561	1.561	0	%100
141	M146	X	-.676	-.676	0	%100
142	M146	Z	.39	.39	0	%100
143	M147	X	-.676	-.676	0	%100
144	M147	Z	.39	.39	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	-2.494	-2.494	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.494	-2.494	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-1.738	-1.738	0	%100
16	M12	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,%]
17	M13	X	-1.052	-1.052	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-3.202	-3.202	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	-3.202	-3.202	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-3.202	-3.202	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-3.202	-3.202	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.492	-.492	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-4.206	-4.206	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	-3.202	-3.202	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-3.202	-3.202	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-3.202	-3.202	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-3.202	-3.202	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-4.079	-4.079	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-1.052	-1.052	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-3.203	-3.203	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-3.203	-3.203	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	-.833	-.833	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-1.997	-1.997	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	-2.009	-2.009	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	-.002	-.002	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-2.122	-2.122	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	-3.202	-3.202	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	-3.202	-3.202	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-.492	-.492	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M59	X	-1.052	-1.052	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-3.203	-3.203	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-.833	-.833	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-1.994	-1.994	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	-2.005	-2.005	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	-2.15	-2.15	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	-.004	-.004	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	-3.202	-3.202	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	-3.202	-3.202	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-4.079	-4.079	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	-3.202	-3.202	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	-3.202	-3.202	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-4.206	-4.206	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	-3.333	-3.333	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	-2e-6	-2e-6	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	-2e-6	-2e-6	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	-2.285	-2.285	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	-2.305	-2.305	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	-2.682	-2.682	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	-2.968	-2.968	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	-2.682	-2.682	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	-2.682	-2.682	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	-2.682	-2.682	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	-2.968	-2.968	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	-2.682	-2.682	0	%100
120	MP3C	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,%]
121	MP4C	X	-2.682	-2.682	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	-2.682	-2.682	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	-2.968	-2.968	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	-2.682	-2.682	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	-2.682	-2.682	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	-2.203	-2.203	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	-2.226	-2.226	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	-2.226	-2.226	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-2.341	-2.341	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	-2.341	-2.341	0	%100
144	M147	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	-.72	-.72	0	%100
2	M1	Z	-.416	-.416	0	%100
3	M2	X	-.72	-.72	0	%100
4	M2	Z	-.416	-.416	0	%100
5	M3	X	-2.88	-2.88	0	%100
6	M3	Z	-1.663	-1.663	0	%100
7	M8	X	-.924	-.924	0	%100
8	M8	Z	-.534	-.534	0	%100
9	M9	X	-.924	-.924	0	%100
10	M9	Z	-.534	-.534	0	%100
11	M10	X	-.924	-.924	0	%100
12	M10	Z	-.534	-.534	0	%100
13	M11	X	-.924	-.924	0	%100
14	M11	Z	-.534	-.534	0	%100
15	M12	X	-3.216	-3.216	0	%100
16	M12	Z	-1.857	-1.857	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-.924	-.924	0	%100
20	M18	Z	-.534	-.534	0	%100
21	M19	X	-.924	-.924	0	%100
22	M19	Z	-.534	-.534	0	%100
23	M20	X	-.924	-.924	0	%100
24	M20	Z	-.534	-.534	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,%]
25	M21	X	-.924	-.924	0	%100
26	M21	Z	-.534	-.534	0	%100
27	M22	X	-.11	-.11	0	%100
28	M22	Z	-.063	-.063	0	%100
29	M23	X	-2.732	-2.732	0	%100
30	M23	Z	-1.577	-1.577	0	%100
31	M28	X	-3.698	-3.698	0	%100
32	M28	Z	-2.135	-2.135	0	%100
33	M29	X	-3.698	-3.698	0	%100
34	M29	Z	-2.135	-2.135	0	%100
35	M30	X	-3.698	-3.698	0	%100
36	M30	Z	-2.135	-2.135	0	%100
37	M31	X	-3.698	-3.698	0	%100
38	M31	Z	-2.135	-2.135	0	%100
39	M32	X	-2.138	-2.138	0	%100
40	M32	Z	-1.234	-1.234	0	%100
41	M33	X	-2.732	-2.732	0	%100
42	M33	Z	-1.577	-1.577	0	%100
43	M34	X	-.925	-.925	0	%100
44	M34	Z	-.534	-.534	0	%100
45	M35	X	-3.699	-3.699	0	%100
46	M35	Z	-2.136	-2.136	0	%100
47	M36	X	-.925	-.925	0	%100
48	M36	Z	-.534	-.534	0	%100
49	M41	X	-2.165	-2.165	0	%100
50	M41	Z	-1.25	-1.25	0	%100
51	M39A	X	-.578	-.578	0	%100
52	M39A	Z	-.334	-.334	0	%100
53	M41A	X	-.581	-.581	0	%100
54	M41A	Z	-.335	-.335	0	%100
55	M48	X	-.7	-.7	0	%100
56	M48	Z	-.404	-.404	0	%100
57	M49	X	-2.555	-2.555	0	%100
58	M49	Z	-1.475	-1.475	0	%100
59	M52	X	-.924	-.924	0	%100
60	M52	Z	-.534	-.534	0	%100
61	M53	X	-.924	-.924	0	%100
62	M53	Z	-.534	-.534	0	%100
63	M54	X	-.11	-.11	0	%100
64	M54	Z	-.063	-.063	0	%100
65	M57	X	-.924	-.924	0	%100
66	M57	Z	-.534	-.534	0	%100
67	M58	X	-.924	-.924	0	%100
68	M58	Z	-.534	-.534	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-3.699	-3.699	0	%100
72	M60	Z	-2.136	-2.136	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-2.304	-2.304	0	%100
76	M63	Z	-1.33	-1.33	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,%]
77	M65	X	-2.317	-2.317	0	%100
78	M65	Z	-1.338	-1.338	0	%100
79	M72	X	-.583	-.583	0	%100
80	M72	Z	-.337	-.337	0	%100
81	M73	X	-.562	-.562	0	%100
82	M73	Z	-.325	-.325	0	%100
83	M76	X	-3.698	-3.698	0	%100
84	M76	Z	-2.135	-2.135	0	%100
85	M77	X	-3.698	-3.698	0	%100
86	M77	Z	-2.135	-2.135	0	%100
87	M78	X	-2.138	-2.138	0	%100
88	M78	Z	-1.234	-1.234	0	%100
89	M81	X	-.924	-.924	0	%100
90	M81	Z	-.534	-.534	0	%100
91	M82	X	-.924	-.924	0	%100
92	M82	Z	-.534	-.534	0	%100
93	M83	X	-2.732	-2.732	0	%100
94	M83	Z	-1.577	-1.577	0	%100
95	M84	X	-.925	-.925	0	%100
96	M84	Z	-.534	-.534	0	%100
97	M85	X	-2.165	-2.165	0	%100
98	M85	Z	-1.25	-1.25	0	%100
99	M87	X	-.574	-.574	0	%100
100	M87	Z	-.332	-.332	0	%100
101	M89	X	-.578	-.578	0	%100
102	M89	Z	-.333	-.333	0	%100
103	M96	X	-2.56	-2.56	0	%100
104	M96	Z	-1.478	-1.478	0	%100
105	M97	X	-.72	-.72	0	%100
106	M97	Z	-.416	-.416	0	%100
107	MP1A	X	-2.322	-2.322	0	%100
108	MP1A	Z	-1.341	-1.341	0	%100
109	MP2A	X	-2.57	-2.57	0	%100
110	MP2A	Z	-1.484	-1.484	0	%100
111	MP3A	X	-2.322	-2.322	0	%100
112	MP3A	Z	-1.341	-1.341	0	%100
113	MP4A	X	-2.322	-2.322	0	%100
114	MP4A	Z	-1.341	-1.341	0	%100
115	MP1C	X	-2.322	-2.322	0	%100
116	MP1C	Z	-1.341	-1.341	0	%100
117	MP2C	X	-2.57	-2.57	0	%100
118	MP2C	Z	-1.484	-1.484	0	%100
119	MP3C	X	-2.322	-2.322	0	%100
120	MP3C	Z	-1.341	-1.341	0	%100
121	MP4C	X	-2.322	-2.322	0	%100
122	MP4C	Z	-1.341	-1.341	0	%100
123	MP1B	X	-2.322	-2.322	0	%100
124	MP1B	Z	-1.341	-1.341	0	%100
125	MP2B	X	-2.57	-2.57	0	%100
126	MP2B	Z	-1.484	-1.484	0	%100
127	MP3B	X	-2.322	-2.322	0	%100
128	MP3B	Z	-1.341	-1.341	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,%]
129	MP4B	X	-2.322	-2.322	0	%100
130	MP4B	Z	-1.341	-1.341	0	%100
131	M122	X	-1.908	-1.908	0	%100
132	M122	Z	-1.102	-1.102	0	%100
133	M124	X	-.643	-.643	0	%100
134	M124	Z	-.371	-.371	0	%100
135	M131	X	-.643	-.643	0	%100
136	M131	Z	-.371	-.371	0	%100
137	M138	X	-2.57	-2.57	0	%100
138	M138	Z	-1.484	-1.484	0	%100
139	M145	X	-.676	-.676	0	%100
140	M145	Z	-.39	-.39	0	%100
141	M146	X	-.676	-.676	0	%100
142	M146	Z	-.39	-.39	0	%100
143	M147	X	-2.703	-2.703	0	%100
144	M147	Z	-1.561	-1.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.247	-1.247	0	%100
2	M1	Z	-2.16	-2.16	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.247	-1.247	0	%100
6	M3	Z	-2.16	-2.16	0	%100
7	M8	X	-1.601	-1.601	0	%100
8	M8	Z	-2.773	-2.773	0	%100
9	M9	X	-1.601	-1.601	0	%100
10	M9	Z	-2.773	-2.773	0	%100
11	M10	X	-1.601	-1.601	0	%100
12	M10	Z	-2.773	-2.773	0	%100
13	M11	X	-1.601	-1.601	0	%100
14	M11	Z	-2.773	-2.773	0	%100
15	M12	X	-2.04	-2.04	0	%100
16	M12	Z	-3.533	-3.533	0	%100
17	M13	X	-.526	-.526	0	%100
18	M13	Z	-.911	-.911	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.869	-.869	0	%100
28	M22	Z	-1.505	-1.505	0	%100
29	M23	X	-.526	-.526	0	%100
30	M23	Z	-.911	-.911	0	%100
31	M28	X	-1.601	-1.601	0	%100
32	M28	Z	-2.773	-2.773	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,%]
33	M29	X	-1.601	-1.601	0	%100
34	M29	Z	-2.773	-2.773	0	%100
35	M30	X	-1.601	-1.601	0	%100
36	M30	Z	-2.773	-2.773	0	%100
37	M31	X	-1.601	-1.601	0	%100
38	M31	Z	-2.773	-2.773	0	%100
39	M32	X	-.246	-.246	0	%100
40	M32	Z	-.426	-.426	0	%100
41	M33	X	-2.103	-2.103	0	%100
42	M33	Z	-3.643	-3.643	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-1.602	-1.602	0	%100
46	M35	Z	-2.774	-2.774	0	%100
47	M36	X	-1.602	-1.602	0	%100
48	M36	Z	-2.774	-2.774	0	%100
49	M41	X	-1.667	-1.667	0	%100
50	M41	Z	-2.887	-2.887	0	%100
51	M39A	X	-1e-6	-1e-6	0	%100
52	M39A	Z	-2e-6	-2e-6	0	%100
53	M41A	X	-1e-6	-1e-6	0	%100
54	M41A	Z	-2e-6	-2e-6	0	%100
55	M48	X	-1.142	-1.142	0	%100
56	M48	Z	-1.979	-1.979	0	%100
57	M49	X	-1.152	-1.152	0	%100
58	M49	Z	-1.996	-1.996	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-.869	-.869	0	%100
64	M54	Z	-1.505	-1.505	0	%100
65	M57	X	-1.601	-1.601	0	%100
66	M57	Z	-2.773	-2.773	0	%100
67	M58	X	-1.601	-1.601	0	%100
68	M58	Z	-2.773	-2.773	0	%100
69	M59	X	-.526	-.526	0	%100
70	M59	Z	-.911	-.911	0	%100
71	M60	X	-1.602	-1.602	0	%100
72	M60	Z	-2.774	-2.774	0	%100
73	M61	X	-.417	-.417	0	%100
74	M61	Z	-.722	-.722	0	%100
75	M63	X	-.999	-.999	0	%100
76	M63	Z	-1.73	-1.73	0	%100
77	M65	X	-1.004	-1.004	0	%100
78	M65	Z	-1.74	-1.74	0	%100
79	M72	X	-.001	-.001	0	%100
80	M72	Z	-.002	-.002	0	%100
81	M73	X	-1.061	-1.061	0	%100
82	M73	Z	-1.838	-1.838	0	%100
83	M76	X	-1.601	-1.601	0	%100
84	M76	Z	-2.773	-2.773	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,%]
85	M77	X	-1.601	-1.601	0	%100
86	M77	Z	-2.773	-2.773	0	%100
87	M78	X	-.246	-.246	0	%100
88	M78	Z	-.426	-.426	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-.526	-.526	0	%100
94	M83	Z	-.911	-.911	0	%100
95	M84	X	-1.602	-1.602	0	%100
96	M84	Z	-2.774	-2.774	0	%100
97	M85	X	-.417	-.417	0	%100
98	M85	Z	-.722	-.722	0	%100
99	M87	X	-.997	-.997	0	%100
100	M87	Z	-1.726	-1.726	0	%100
101	M89	X	-1.002	-1.002	0	%100
102	M89	Z	-1.736	-1.736	0	%100
103	M96	X	-1.075	-1.075	0	%100
104	M96	Z	-1.862	-1.862	0	%100
105	M97	X	-.002	-.002	0	%100
106	M97	Z	-.003	-.003	0	%100
107	MP1A	X	-1.341	-1.341	0	%100
108	MP1A	Z	-2.322	-2.322	0	%100
109	MP2A	X	-1.484	-1.484	0	%100
110	MP2A	Z	-2.57	-2.57	0	%100
111	MP3A	X	-1.341	-1.341	0	%100
112	MP3A	Z	-2.322	-2.322	0	%100
113	MP4A	X	-1.341	-1.341	0	%100
114	MP4A	Z	-2.322	-2.322	0	%100
115	MP1C	X	-1.341	-1.341	0	%100
116	MP1C	Z	-2.322	-2.322	0	%100
117	MP2C	X	-1.484	-1.484	0	%100
118	MP2C	Z	-2.57	-2.57	0	%100
119	MP3C	X	-1.341	-1.341	0	%100
120	MP3C	Z	-2.322	-2.322	0	%100
121	MP4C	X	-1.341	-1.341	0	%100
122	MP4C	Z	-2.322	-2.322	0	%100
123	MP1B	X	-1.341	-1.341	0	%100
124	MP1B	Z	-2.322	-2.322	0	%100
125	MP2B	X	-1.484	-1.484	0	%100
126	MP2B	Z	-2.57	-2.57	0	%100
127	MP3B	X	-1.341	-1.341	0	%100
128	MP3B	Z	-2.322	-2.322	0	%100
129	MP4B	X	-1.341	-1.341	0	%100
130	MP4B	Z	-2.322	-2.322	0	%100
131	M122	X	-1.102	-1.102	0	%100
132	M122	Z	-1.908	-1.908	0	%100
133	M124	X	-1.113	-1.113	0	%100
134	M124	Z	-1.928	-1.928	0	%100
135	M131	X	0	0	0	%100
136	M131	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,%]
137	M138	X	-1.113	-1.113	0	%100
138	M138	Z	-1.928	-1.928	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	-1.171	-1.171	0	%100
142	M146	Z	-2.027	-2.027	0	%100
143	M147	X	-1.171	-1.171	0	%100
144	M147	Z	-2.027	-2.027	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	-.721	-.721	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.18	-.18	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.18	-.18	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-1.259	-1.259	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-1.259	-1.259	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-1.259	-1.259	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-1.259	-1.259	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-.726	-.726	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-.927	-.927	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-.315	-.315	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-.315	-.315	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-.315	-.315	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-.315	-.315	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-1.092	-1.092	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.315	-.315	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-.315	-.315	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-.315	-.315	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-.315	-.315	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.037	-.037	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	-.927	-.927	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-.309	-.309	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-.309	-.309	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-1.237	-1.237	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-.543	-.543	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	-.152	-.152	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	-.153	-.153	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-.645	-.645	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-.182	-.182	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	-.315	-.315	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	-.315	-.315	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-1.092	-1.092	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	-1.259	-1.259	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	-1.259	-1.259	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	-.927	-.927	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	-.309	-.309	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	-.543	-.543	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	-.153	-.153	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-.154	-.154	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	-.176	-.176	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	-.644	-.644	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	-.315	-.315	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-.315	-.315	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	-.037	-.037	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	-.315	-.315	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	-.315	-.315	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	-1.237	-1.237	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	-.611	-.611	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	-.612	-.612	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-.147	-.147	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	-.142	-.142	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	-.489	-.489	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	-.593	-.593	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	-.489	-.489	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	-.489	-.489	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	-.489	-.489	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	-.593	-.593	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	-.489	-.489	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	-.489	-.489	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	-.489	-.489	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	-.593	-.593	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	-.489	-.489	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	-.489	-.489	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	-.4	-.4	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	-.593	-.593	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	-.148	-.148	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	-.148	-.148	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	-.19	-.19	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	-.761	-.761	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	-.19	-.19	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	.27	.27	0	%100
2	M1	Z	-.469	-.469	0	%100
3	M2	X	.27	.27	0	%100
4	M2	Z	-.469	-.469	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	.472	.472	0	%100
8	M8	Z	-.818	-.818	0	%100
9	M9	X	.472	.472	0	%100
10	M9	Z	-.818	-.818	0	%100
11	M10	X	.472	.472	0	%100
12	M10	Z	-.818	-.818	0	%100
13	M11	X	.472	.472	0	%100
14	M11	Z	-.818	-.818	0	%100
15	M12	X	.072	.072	0	%100
16	M12	Z	-.125	-.125	0	%100
17	M13	X	.618	.618	0	%100
18	M13	Z	-1.071	-1.071	0	%100
19	M18	X	.472	.472	0	%100
20	M18	Z	-.818	-.818	0	%100
21	M19	X	.472	.472	0	%100
22	M19	Z	-.818	-.818	0	%100
23	M20	X	.472	.472	0	%100
24	M20	Z	-.818	-.818	0	%100
25	M21	X	.472	.472	0	%100
26	M21	Z	-.818	-.818	0	%100
27	M22	X	.6	.6	0	%100
28	M22	Z	-1.039	-1.039	0	%100
29	M23	X	.155	.155	0	%100
30	M23	Z	-.268	-.268	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.255	.255	0	%100
40	M32	Z	-.442	-.442	0	%100
41	M33	X	.155	.155	0	%100
42	M33	Z	-.268	-.268	0	%100
43	M34	X	.464	.464	0	%100
44	M34	Z	-.803	-.803	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	.464	.464	0	%100
48	M36	Z	-.803	-.803	0	%100
49	M41	X	.091	.091	0	%100
50	M41	Z	-.157	-.157	0	%100
51	M39A	X	.229	.229	0	%100
52	M39A	Z	-.396	-.396	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,%]
53	M41A	X	.229	.229	0	%100
54	M41A	Z	-.397	-.397	0	%100
55	M48	X	.235	.235	0	%100
56	M48	Z	-.407	-.407	0	%100
57	M49	X	.00041	.00041	0	%100
58	M49	Z	-.000709	-.000709	0	%100
59	M52	X	.472	.472	0	%100
60	M52	Z	-.818	-.818	0	%100
61	M53	X	.472	.472	0	%100
62	M53	Z	-.818	-.818	0	%100
63	M54	X	.6	.6	0	%100
64	M54	Z	-1.039	-1.039	0	%100
65	M57	X	.472	.472	0	%100
66	M57	Z	-.818	-.818	0	%100
67	M58	X	.472	.472	0	%100
68	M58	Z	-.818	-.818	0	%100
69	M59	X	.618	.618	0	%100
70	M59	Z	-1.071	-1.071	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	.362	.362	0	%100
74	M61	Z	-.627	-.627	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	.249	.249	0	%100
80	M72	Z	-.432	-.432	0	%100
81	M73	X	.252	.252	0	%100
82	M73	Z	-.436	-.436	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	.255	.255	0	%100
88	M78	Z	-.442	-.442	0	%100
89	M81	X	.472	.472	0	%100
90	M81	Z	-.818	-.818	0	%100
91	M82	X	.472	.472	0	%100
92	M82	Z	-.818	-.818	0	%100
93	M83	X	.155	.155	0	%100
94	M83	Z	-.268	-.268	0	%100
95	M84	X	.464	.464	0	%100
96	M84	Z	-.803	-.803	0	%100
97	M85	X	.091	.091	0	%100
98	M85	Z	-.157	-.157	0	%100
99	M87	X	.229	.229	0	%100
100	M87	Z	-.397	-.397	0	%100
101	M89	X	.23	.23	0	%100
102	M89	Z	-.398	-.398	0	%100
103	M96	X	.000223	.000223	0	%100
104	M96	Z	-.000386	-.000386	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,%]
105	M97	X	.232	.232	0	%100
106	M97	Z	-.401	-.401	0	%100
107	MP1A	X	.245	.245	0	%100
108	MP1A	Z	-.424	-.424	0	%100
109	MP2A	X	.296	.296	0	%100
110	MP2A	Z	-.513	-.513	0	%100
111	MP3A	X	.245	.245	0	%100
112	MP3A	Z	-.424	-.424	0	%100
113	MP4A	X	.245	.245	0	%100
114	MP4A	Z	-.424	-.424	0	%100
115	MP1C	X	.245	.245	0	%100
116	MP1C	Z	-.424	-.424	0	%100
117	MP2C	X	.296	.296	0	%100
118	MP2C	Z	-.513	-.513	0	%100
119	MP3C	X	.245	.245	0	%100
120	MP3C	Z	-.424	-.424	0	%100
121	MP4C	X	.245	.245	0	%100
122	MP4C	Z	-.424	-.424	0	%100
123	MP1B	X	.245	.245	0	%100
124	MP1B	Z	-.424	-.424	0	%100
125	MP2B	X	.296	.296	0	%100
126	MP2B	Z	-.513	-.513	0	%100
127	MP3B	X	.245	.245	0	%100
128	MP3B	Z	-.424	-.424	0	%100
129	MP4B	X	.245	.245	0	%100
130	MP4B	Z	-.424	-.424	0	%100
131	M122	X	.2	.2	0	%100
132	M122	Z	-.347	-.347	0	%100
133	M124	X	.222	.222	0	%100
134	M124	Z	-.385	-.385	0	%100
135	M131	X	.222	.222	0	%100
136	M131	Z	-.385	-.385	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	.285	.285	0	%100
140	M145	Z	-.494	-.494	0	%100
141	M146	X	.285	.285	0	%100
142	M146	Z	-.494	-.494	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	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	.156	.156	0	%100
2	M1	Z	-.09	-.09	0	%100
3	M2	X	.625	.625	0	%100
4	M2	Z	-.361	-.361	0	%100
5	M3	X	.156	.156	0	%100
6	M3	Z	-.09	-.09	0	%100
7	M8	X	.273	.273	0	%100
8	M8	Z	-.157	-.157	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,%]
9	M9	X	.273	.273	0	%100
10	M9	Z	-.157	-.157	0	%100
11	M10	X	.273	.273	0	%100
12	M10	Z	-.157	-.157	0	%100
13	M11	X	.273	.273	0	%100
14	M11	Z	-.157	-.157	0	%100
15	M12	X	.032	.032	0	%100
16	M12	Z	-.019	-.019	0	%100
17	M13	X	.803	.803	0	%100
18	M13	Z	-.464	-.464	0	%100
19	M18	X	1.091	1.091	0	%100
20	M18	Z	-.63	-.63	0	%100
21	M19	X	1.091	1.091	0	%100
22	M19	Z	-.63	-.63	0	%100
23	M20	X	1.091	1.091	0	%100
24	M20	Z	-.63	-.63	0	%100
25	M21	X	1.091	1.091	0	%100
26	M21	Z	-.63	-.63	0	%100
27	M22	X	.628	.628	0	%100
28	M22	Z	-.363	-.363	0	%100
29	M23	X	.803	.803	0	%100
30	M23	Z	-.464	-.464	0	%100
31	M28	X	.273	.273	0	%100
32	M28	Z	-.157	-.157	0	%100
33	M29	X	.273	.273	0	%100
34	M29	Z	-.157	-.157	0	%100
35	M30	X	.273	.273	0	%100
36	M30	Z	-.157	-.157	0	%100
37	M31	X	.273	.273	0	%100
38	M31	Z	-.157	-.157	0	%100
39	M32	X	.946	.946	0	%100
40	M32	Z	-.546	-.546	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	1.071	1.071	0	%100
44	M34	Z	-.618	-.618	0	%100
45	M35	X	.268	.268	0	%100
46	M35	Z	-.155	-.155	0	%100
47	M36	X	.268	.268	0	%100
48	M36	Z	-.155	-.155	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	.529	.529	0	%100
52	M39A	Z	-.305	-.305	0	%100
53	M41A	X	.53	.53	0	%100
54	M41A	Z	-.306	-.306	0	%100
55	M48	X	.127	.127	0	%100
56	M48	Z	-.074	-.074	0	%100
57	M49	X	.123	.123	0	%100
58	M49	Z	-.071	-.071	0	%100
59	M52	X	1.091	1.091	0	%100
60	M52	Z	-.63	-.63	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,%]
61	M53	X	1.091	1.091	0	%100
62	M53	Z	-.63	-.63	0	%100
63	M54	X	.628	.628	0	%100
64	M54	Z	-.363	-.363	0	%100
65	M57	X	.273	.273	0	%100
66	M57	Z	-.157	-.157	0	%100
67	M58	X	.273	.273	0	%100
68	M58	Z	-.157	-.157	0	%100
69	M59	X	.803	.803	0	%100
70	M59	Z	-.464	-.464	0	%100
71	M60	X	.268	.268	0	%100
72	M60	Z	-.155	-.155	0	%100
73	M61	X	.47	.47	0	%100
74	M61	Z	-.272	-.272	0	%100
75	M63	X	.132	.132	0	%100
76	M63	Z	-.076	-.076	0	%100
77	M65	X	.132	.132	0	%100
78	M65	Z	-.076	-.076	0	%100
79	M72	X	.559	.559	0	%100
80	M72	Z	-.323	-.323	0	%100
81	M73	X	.157	.157	0	%100
82	M73	Z	-.091	-.091	0	%100
83	M76	X	.273	.273	0	%100
84	M76	Z	-.157	-.157	0	%100
85	M77	X	.273	.273	0	%100
86	M77	Z	-.157	-.157	0	%100
87	M78	X	.946	.946	0	%100
88	M78	Z	-.546	-.546	0	%100
89	M81	X	1.091	1.091	0	%100
90	M81	Z	-.63	-.63	0	%100
91	M82	X	1.091	1.091	0	%100
92	M82	Z	-.63	-.63	0	%100
93	M83	X	.803	.803	0	%100
94	M83	Z	-.464	-.464	0	%100
95	M84	X	.268	.268	0	%100
96	M84	Z	-.155	-.155	0	%100
97	M85	X	.47	.47	0	%100
98	M85	Z	-.272	-.272	0	%100
99	M87	X	.133	.133	0	%100
100	M87	Z	-.077	-.077	0	%100
101	M89	X	.133	.133	0	%100
102	M89	Z	-.077	-.077	0	%100
103	M96	X	.153	.153	0	%100
104	M96	Z	-.088	-.088	0	%100
105	M97	X	.558	.558	0	%100
106	M97	Z	-.322	-.322	0	%100
107	MP1A	X	.424	.424	0	%100
108	MP1A	Z	-.245	-.245	0	%100
109	MP2A	X	.513	.513	0	%100
110	MP2A	Z	-.296	-.296	0	%100
111	MP3A	X	.424	.424	0	%100
112	MP3A	Z	-.245	-.245	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,%]
113	MP4A	X	.424	.424	0	%100
114	MP4A	Z	-.245	-.245	0	%100
115	MP1C	X	.424	.424	0	%100
116	MP1C	Z	-.245	-.245	0	%100
117	MP2C	X	.513	.513	0	%100
118	MP2C	Z	-.296	-.296	0	%100
119	MP3C	X	.424	.424	0	%100
120	MP3C	Z	-.245	-.245	0	%100
121	MP4C	X	.424	.424	0	%100
122	MP4C	Z	-.245	-.245	0	%100
123	MP1B	X	.424	.424	0	%100
124	MP1B	Z	-.245	-.245	0	%100
125	MP2B	X	.513	.513	0	%100
126	MP2B	Z	-.296	-.296	0	%100
127	MP3B	X	.424	.424	0	%100
128	MP3B	Z	-.245	-.245	0	%100
129	MP4B	X	.424	.424	0	%100
130	MP4B	Z	-.245	-.245	0	%100
131	M122	X	.347	.347	0	%100
132	M122	Z	-.2	-.2	0	%100
133	M124	X	.128	.128	0	%100
134	M124	Z	-.074	-.074	0	%100
135	M131	X	.513	.513	0	%100
136	M131	Z	-.296	-.296	0	%100
137	M138	X	.128	.128	0	%100
138	M138	Z	-.074	-.074	0	%100
139	M145	X	.659	.659	0	%100
140	M145	Z	-.381	-.381	0	%100
141	M146	X	.165	.165	0	%100
142	M146	Z	-.095	-.095	0	%100
143	M147	X	.165	.165	0	%100
144	M147	Z	-.095	-.095	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	.541	.541	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.541	.541	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	.511	.511	0	%100
16	M12	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,%]
17	M13	X	.309	.309	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	.945	.945	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	.945	.945	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	.945	.945	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	.945	.945	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.145	.145	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	1.237	1.237	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	.945	.945	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	.945	.945	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	.945	.945	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	.945	.945	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	1.199	1.199	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	.309	.309	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	.927	.927	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.927	.927	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	.181	.181	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	.458	.458	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	.46	.46	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	.000446	.000446	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	.463	.463	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	.945	.945	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	.945	.945	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	.145	.145	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	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,%]
69	M59	X	.309	.309	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	.927	.927	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	.181	.181	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	.458	.458	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	.459	.459	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	.47	.47	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	.000819	.000819	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	.945	.945	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	.945	.945	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	1.199	1.199	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	.945	.945	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	.945	.945	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	1.237	1.237	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	.724	.724	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	.499	.499	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	.503	.503	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	.489	.489	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	.593	.593	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	.489	.489	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	.489	.489	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	.489	.489	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	.593	.593	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	.489	.489	0	%100
120	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	MP4C	X	.489	.489	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	.489	.489	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	.593	.593	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	.489	.489	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	.489	.489	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	.4	.4	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	.444	.444	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	.444	.444	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	.571	.571	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	.571	.571	0	%100
144	M147	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	.156	.156	0	%100
2	M1	Z	.09	.09	0	%100
3	M2	X	.156	.156	0	%100
4	M2	Z	.09	.09	0	%100
5	M3	X	.625	.625	0	%100
6	M3	Z	.361	.361	0	%100
7	M8	X	.273	.273	0	%100
8	M8	Z	.157	.157	0	%100
9	M9	X	.273	.273	0	%100
10	M9	Z	.157	.157	0	%100
11	M10	X	.273	.273	0	%100
12	M10	Z	.157	.157	0	%100
13	M11	X	.273	.273	0	%100
14	M11	Z	.157	.157	0	%100
15	M12	X	.946	.946	0	%100
16	M12	Z	.546	.546	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	.273	.273	0	%100
20	M18	Z	.157	.157	0	%100
21	M19	X	.273	.273	0	%100
22	M19	Z	.157	.157	0	%100
23	M20	X	.273	.273	0	%100
24	M20	Z	.157	.157	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,%]
25	M21	X	.273	.273	0	%100
26	M21	Z	.157	.157	0	%100
27	M22	X	.032	.032	0	%100
28	M22	Z	.019	.019	0	%100
29	M23	X	.803	.803	0	%100
30	M23	Z	.464	.464	0	%100
31	M28	X	1.091	1.091	0	%100
32	M28	Z	.63	.63	0	%100
33	M29	X	1.091	1.091	0	%100
34	M29	Z	.63	.63	0	%100
35	M30	X	1.091	1.091	0	%100
36	M30	Z	.63	.63	0	%100
37	M31	X	1.091	1.091	0	%100
38	M31	Z	.63	.63	0	%100
39	M32	X	.628	.628	0	%100
40	M32	Z	.363	.363	0	%100
41	M33	X	.803	.803	0	%100
42	M33	Z	.464	.464	0	%100
43	M34	X	.268	.268	0	%100
44	M34	Z	.155	.155	0	%100
45	M35	X	1.071	1.071	0	%100
46	M35	Z	.618	.618	0	%100
47	M36	X	.268	.268	0	%100
48	M36	Z	.155	.155	0	%100
49	M41	X	.47	.47	0	%100
50	M41	Z	.272	.272	0	%100
51	M39A	X	.133	.133	0	%100
52	M39A	Z	.077	.077	0	%100
53	M41A	X	.133	.133	0	%100
54	M41A	Z	.077	.077	0	%100
55	M48	X	.153	.153	0	%100
56	M48	Z	.088	.088	0	%100
57	M49	X	.558	.558	0	%100
58	M49	Z	.322	.322	0	%100
59	M52	X	.273	.273	0	%100
60	M52	Z	.157	.157	0	%100
61	M53	X	.273	.273	0	%100
62	M53	Z	.157	.157	0	%100
63	M54	X	.032	.032	0	%100
64	M54	Z	.019	.019	0	%100
65	M57	X	.273	.273	0	%100
66	M57	Z	.157	.157	0	%100
67	M58	X	.273	.273	0	%100
68	M58	Z	.157	.157	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	1.071	1.071	0	%100
72	M60	Z	.618	.618	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	.529	.529	0	%100
76	M63	Z	.305	.305	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,%]
77	M65	X	.53	.53	0	%100
78	M65	Z	.306	.306	0	%100
79	M72	X	.127	.127	0	%100
80	M72	Z	.074	.074	0	%100
81	M73	X	.123	.123	0	%100
82	M73	Z	.071	.071	0	%100
83	M76	X	1.091	1.091	0	%100
84	M76	Z	.63	.63	0	%100
85	M77	X	1.091	1.091	0	%100
86	M77	Z	.63	.63	0	%100
87	M78	X	.628	.628	0	%100
88	M78	Z	.363	.363	0	%100
89	M81	X	.273	.273	0	%100
90	M81	Z	.157	.157	0	%100
91	M82	X	.273	.273	0	%100
92	M82	Z	.157	.157	0	%100
93	M83	X	.803	.803	0	%100
94	M83	Z	.464	.464	0	%100
95	M84	X	.268	.268	0	%100
96	M84	Z	.155	.155	0	%100
97	M85	X	.47	.47	0	%100
98	M85	Z	.272	.272	0	%100
99	M87	X	.132	.132	0	%100
100	M87	Z	.076	.076	0	%100
101	M89	X	.132	.132	0	%100
102	M89	Z	.076	.076	0	%100
103	M96	X	.559	.559	0	%100
104	M96	Z	.323	.323	0	%100
105	M97	X	.157	.157	0	%100
106	M97	Z	.091	.091	0	%100
107	MP1A	X	.424	.424	0	%100
108	MP1A	Z	.245	.245	0	%100
109	MP2A	X	.513	.513	0	%100
110	MP2A	Z	.296	.296	0	%100
111	MP3A	X	.424	.424	0	%100
112	MP3A	Z	.245	.245	0	%100
113	MP4A	X	.424	.424	0	%100
114	MP4A	Z	.245	.245	0	%100
115	MP1C	X	.424	.424	0	%100
116	MP1C	Z	.245	.245	0	%100
117	MP2C	X	.513	.513	0	%100
118	MP2C	Z	.296	.296	0	%100
119	MP3C	X	.424	.424	0	%100
120	MP3C	Z	.245	.245	0	%100
121	MP4C	X	.424	.424	0	%100
122	MP4C	Z	.245	.245	0	%100
123	MP1B	X	.424	.424	0	%100
124	MP1B	Z	.245	.245	0	%100
125	MP2B	X	.513	.513	0	%100
126	MP2B	Z	.296	.296	0	%100
127	MP3B	X	.424	.424	0	%100
128	MP3B	Z	.245	.245	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,%]
129	MP4B	X	.424	.424	0	%100
130	MP4B	Z	.245	.245	0	%100
131	M122	X	.347	.347	0	%100
132	M122	Z	.2	.2	0	%100
133	M124	X	.128	.128	0	%100
134	M124	Z	.074	.074	0	%100
135	M131	X	.128	.128	0	%100
136	M131	Z	.074	.074	0	%100
137	M138	X	.513	.513	0	%100
138	M138	Z	.296	.296	0	%100
139	M145	X	.165	.165	0	%100
140	M145	Z	.095	.095	0	%100
141	M146	X	.165	.165	0	%100
142	M146	Z	.095	.095	0	%100
143	M147	X	.659	.659	0	%100
144	M147	Z	.381	.381	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	.27	.27	0	%100
2	M1	Z	.469	.469	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.27	.27	0	%100
6	M3	Z	.469	.469	0	%100
7	M8	X	.472	.472	0	%100
8	M8	Z	.818	.818	0	%100
9	M9	X	.472	.472	0	%100
10	M9	Z	.818	.818	0	%100
11	M10	X	.472	.472	0	%100
12	M10	Z	.818	.818	0	%100
13	M11	X	.472	.472	0	%100
14	M11	Z	.818	.818	0	%100
15	M12	X	.6	.6	0	%100
16	M12	Z	1.039	1.039	0	%100
17	M13	X	.155	.155	0	%100
18	M13	Z	.268	.268	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.255	.255	0	%100
28	M22	Z	.442	.442	0	%100
29	M23	X	.155	.155	0	%100
30	M23	Z	.268	.268	0	%100
31	M28	X	.472	.472	0	%100
32	M28	Z	.818	.818	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,%]
33	M29	X	.472	.472	0	%100
34	M29	Z	.818	.818	0	%100
35	M30	X	.472	.472	0	%100
36	M30	Z	.818	.818	0	%100
37	M31	X	.472	.472	0	%100
38	M31	Z	.818	.818	0	%100
39	M32	X	.072	.072	0	%100
40	M32	Z	.125	.125	0	%100
41	M33	X	.618	.618	0	%100
42	M33	Z	1.071	1.071	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.464	.464	0	%100
46	M35	Z	.803	.803	0	%100
47	M36	X	.464	.464	0	%100
48	M36	Z	.803	.803	0	%100
49	M41	X	.362	.362	0	%100
50	M41	Z	.627	.627	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	.249	.249	0	%100
56	M48	Z	.432	.432	0	%100
57	M49	X	.252	.252	0	%100
58	M49	Z	.436	.436	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	.255	.255	0	%100
64	M54	Z	.442	.442	0	%100
65	M57	X	.472	.472	0	%100
66	M57	Z	.818	.818	0	%100
67	M58	X	.472	.472	0	%100
68	M58	Z	.818	.818	0	%100
69	M59	X	.155	.155	0	%100
70	M59	Z	.268	.268	0	%100
71	M60	X	.464	.464	0	%100
72	M60	Z	.803	.803	0	%100
73	M61	X	.091	.091	0	%100
74	M61	Z	.157	.157	0	%100
75	M63	X	.229	.229	0	%100
76	M63	Z	.397	.397	0	%100
77	M65	X	.23	.23	0	%100
78	M65	Z	.398	.398	0	%100
79	M72	X	.000223	.000223	0	%100
80	M72	Z	.000386	.000386	0	%100
81	M73	X	.232	.232	0	%100
82	M73	Z	.401	.401	0	%100
83	M76	X	.472	.472	0	%100
84	M76	Z	.818	.818	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,%]
85	M77	X	.472	.472	0	%100
86	M77	Z	.818	.818	0	%100
87	M78	X	.072	.072	0	%100
88	M78	Z	.125	.125	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	.155	.155	0	%100
94	M83	Z	.268	.268	0	%100
95	M84	X	.464	.464	0	%100
96	M84	Z	.803	.803	0	%100
97	M85	X	.091	.091	0	%100
98	M85	Z	.157	.157	0	%100
99	M87	X	.229	.229	0	%100
100	M87	Z	.396	.396	0	%100
101	M89	X	.229	.229	0	%100
102	M89	Z	.397	.397	0	%100
103	M96	X	.235	.235	0	%100
104	M96	Z	.407	.407	0	%100
105	M97	X	.00041	.00041	0	%100
106	M97	Z	.000709	.000709	0	%100
107	MP1A	X	.245	.245	0	%100
108	MP1A	Z	.424	.424	0	%100
109	MP2A	X	.296	.296	0	%100
110	MP2A	Z	.513	.513	0	%100
111	MP3A	X	.245	.245	0	%100
112	MP3A	Z	.424	.424	0	%100
113	MP4A	X	.245	.245	0	%100
114	MP4A	Z	.424	.424	0	%100
115	MP1C	X	.245	.245	0	%100
116	MP1C	Z	.424	.424	0	%100
117	MP2C	X	.296	.296	0	%100
118	MP2C	Z	.513	.513	0	%100
119	MP3C	X	.245	.245	0	%100
120	MP3C	Z	.424	.424	0	%100
121	MP4C	X	.245	.245	0	%100
122	MP4C	Z	.424	.424	0	%100
123	MP1B	X	.245	.245	0	%100
124	MP1B	Z	.424	.424	0	%100
125	MP2B	X	.296	.296	0	%100
126	MP2B	Z	.513	.513	0	%100
127	MP3B	X	.245	.245	0	%100
128	MP3B	Z	.424	.424	0	%100
129	MP4B	X	.245	.245	0	%100
130	MP4B	Z	.424	.424	0	%100
131	M122	X	.2	.2	0	%100
132	M122	Z	.347	.347	0	%100
133	M124	X	.222	.222	0	%100
134	M124	Z	.385	.385	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	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,%]
137	M138	X	.222	.222	0	%100
138	M138	Z	.385	.385	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	.285	.285	0	%100
142	M146	Z	.494	.494	0	%100
143	M147	X	.285	.285	0	%100
144	M147	Z	.494	.494	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	.721	.721	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.18	.18	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.18	.18	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	1.259	1.259	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	1.259	1.259	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	1.259	1.259	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	1.259	1.259	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	.726	.726	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	.927	.927	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	.315	.315	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	.315	.315	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	.315	.315	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	.315	.315	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	1.092	1.092	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.315	.315	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	.315	.315	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	.315	.315	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	.315	.315	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.037	.037	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	.927	.927	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	.309	.309	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	.309	.309	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	1.237	1.237	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	.543	.543	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	.152	.152	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	.153	.153	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	.645	.645	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	.182	.182	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	.315	.315	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	.315	.315	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	1.092	1.092	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	1.259	1.259	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	1.259	1.259	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	.927	.927	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	.309	.309	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	.543	.543	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	.153	.153	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	.154	.154	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	.176	.176	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	.644	.644	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	.315	.315	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	.315	.315	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	.037	.037	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	.315	.315	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	.315	.315	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	1.237	1.237	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	.611	.611	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	.612	.612	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	.147	.147	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	.142	.142	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	.489	.489	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	.593	.593	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	.489	.489	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	.489	.489	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	.489	.489	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	.593	.593	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	.489	.489	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	.489	.489	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	.489	.489	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	.593	.593	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	.489	.489	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	.489	.489	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	.4	.4	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	.593	.593	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	.148	.148	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	.148	.148	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	.19	.19	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	.761	.761	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	.19	.19	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	-.27	-.27	0	%100
2	M1	Z	.469	.469	0	%100
3	M2	X	-.27	-.27	0	%100
4	M2	Z	.469	.469	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	-.472	-.472	0	%100
8	M8	Z	.818	.818	0	%100
9	M9	X	-.472	-.472	0	%100
10	M9	Z	.818	.818	0	%100
11	M10	X	-.472	-.472	0	%100
12	M10	Z	.818	.818	0	%100
13	M11	X	-.472	-.472	0	%100
14	M11	Z	.818	.818	0	%100
15	M12	X	-.072	-.072	0	%100
16	M12	Z	.125	.125	0	%100
17	M13	X	-.618	-.618	0	%100
18	M13	Z	1.071	1.071	0	%100
19	M18	X	-.472	-.472	0	%100
20	M18	Z	.818	.818	0	%100
21	M19	X	-.472	-.472	0	%100
22	M19	Z	.818	.818	0	%100
23	M20	X	-.472	-.472	0	%100
24	M20	Z	.818	.818	0	%100
25	M21	X	-.472	-.472	0	%100
26	M21	Z	.818	.818	0	%100
27	M22	X	-.6	-.6	0	%100
28	M22	Z	1.039	1.039	0	%100
29	M23	X	-.155	-.155	0	%100
30	M23	Z	.268	.268	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.255	-.255	0	%100
40	M32	Z	.442	.442	0	%100
41	M33	X	-.155	-.155	0	%100
42	M33	Z	.268	.268	0	%100
43	M34	X	-.464	-.464	0	%100
44	M34	Z	.803	.803	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-.464	-.464	0	%100
48	M36	Z	.803	.803	0	%100
49	M41	X	-.091	-.091	0	%100
50	M41	Z	.157	.157	0	%100
51	M39A	X	-.229	-.229	0	%100
52	M39A	Z	.396	.396	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,%]
53	M41A	X	-.229	-.229	0	%100
54	M41A	Z	.397	.397	0	%100
55	M48	X	-.235	-.235	0	%100
56	M48	Z	.407	.407	0	%100
57	M49	X	-.00041	-.00041	0	%100
58	M49	Z	.000709	.000709	0	%100
59	M52	X	-.472	-.472	0	%100
60	M52	Z	.818	.818	0	%100
61	M53	X	-.472	-.472	0	%100
62	M53	Z	.818	.818	0	%100
63	M54	X	-.6	-.6	0	%100
64	M54	Z	1.039	1.039	0	%100
65	M57	X	-.472	-.472	0	%100
66	M57	Z	.818	.818	0	%100
67	M58	X	-.472	-.472	0	%100
68	M58	Z	.818	.818	0	%100
69	M59	X	-.618	-.618	0	%100
70	M59	Z	1.071	1.071	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-.362	-.362	0	%100
74	M61	Z	.627	.627	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	-.249	-.249	0	%100
80	M72	Z	.432	.432	0	%100
81	M73	X	-.252	-.252	0	%100
82	M73	Z	.436	.436	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-.255	-.255	0	%100
88	M78	Z	.442	.442	0	%100
89	M81	X	-.472	-.472	0	%100
90	M81	Z	.818	.818	0	%100
91	M82	X	-.472	-.472	0	%100
92	M82	Z	.818	.818	0	%100
93	M83	X	-.155	-.155	0	%100
94	M83	Z	.268	.268	0	%100
95	M84	X	-.464	-.464	0	%100
96	M84	Z	.803	.803	0	%100
97	M85	X	-.091	-.091	0	%100
98	M85	Z	.157	.157	0	%100
99	M87	X	-.229	-.229	0	%100
100	M87	Z	.397	.397	0	%100
101	M89	X	-.23	-.23	0	%100
102	M89	Z	.398	.398	0	%100
103	M96	X	-.000223	-.000223	0	%100
104	M96	Z	.000386	.000386	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,%]
105	M97	X	-.232	-.232	0	%100
106	M97	Z	.401	.401	0	%100
107	MP1A	X	-.245	-.245	0	%100
108	MP1A	Z	.424	.424	0	%100
109	MP2A	X	-.296	-.296	0	%100
110	MP2A	Z	.513	.513	0	%100
111	MP3A	X	-.245	-.245	0	%100
112	MP3A	Z	.424	.424	0	%100
113	MP4A	X	-.245	-.245	0	%100
114	MP4A	Z	.424	.424	0	%100
115	MP1C	X	-.245	-.245	0	%100
116	MP1C	Z	.424	.424	0	%100
117	MP2C	X	-.296	-.296	0	%100
118	MP2C	Z	.513	.513	0	%100
119	MP3C	X	-.245	-.245	0	%100
120	MP3C	Z	.424	.424	0	%100
121	MP4C	X	-.245	-.245	0	%100
122	MP4C	Z	.424	.424	0	%100
123	MP1B	X	-.245	-.245	0	%100
124	MP1B	Z	.424	.424	0	%100
125	MP2B	X	-.296	-.296	0	%100
126	MP2B	Z	.513	.513	0	%100
127	MP3B	X	-.245	-.245	0	%100
128	MP3B	Z	.424	.424	0	%100
129	MP4B	X	-.245	-.245	0	%100
130	MP4B	Z	.424	.424	0	%100
131	M122	X	-.2	-.2	0	%100
132	M122	Z	.347	.347	0	%100
133	M124	X	-.222	-.222	0	%100
134	M124	Z	.385	.385	0	%100
135	M131	X	-.222	-.222	0	%100
136	M131	Z	.385	.385	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-.285	-.285	0	%100
140	M145	Z	.494	.494	0	%100
141	M146	X	-.285	-.285	0	%100
142	M146	Z	.494	.494	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	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	-.156	-.156	0	%100
2	M1	Z	.09	.09	0	%100
3	M2	X	-.625	-.625	0	%100
4	M2	Z	.361	.361	0	%100
5	M3	X	-.156	-.156	0	%100
6	M3	Z	.09	.09	0	%100
7	M8	X	-.273	-.273	0	%100
8	M8	Z	.157	.157	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,%]
9	M9	X	-.273	-.273	0	%100
10	M9	Z	.157	.157	0	%100
11	M10	X	-.273	-.273	0	%100
12	M10	Z	.157	.157	0	%100
13	M11	X	-.273	-.273	0	%100
14	M11	Z	.157	.157	0	%100
15	M12	X	-.032	-.032	0	%100
16	M12	Z	.019	.019	0	%100
17	M13	X	-.803	-.803	0	%100
18	M13	Z	.464	.464	0	%100
19	M18	X	-1.091	-1.091	0	%100
20	M18	Z	.63	.63	0	%100
21	M19	X	-1.091	-1.091	0	%100
22	M19	Z	.63	.63	0	%100
23	M20	X	-1.091	-1.091	0	%100
24	M20	Z	.63	.63	0	%100
25	M21	X	-1.091	-1.091	0	%100
26	M21	Z	.63	.63	0	%100
27	M22	X	-.628	-.628	0	%100
28	M22	Z	.363	.363	0	%100
29	M23	X	-.803	-.803	0	%100
30	M23	Z	.464	.464	0	%100
31	M28	X	-.273	-.273	0	%100
32	M28	Z	.157	.157	0	%100
33	M29	X	-.273	-.273	0	%100
34	M29	Z	.157	.157	0	%100
35	M30	X	-.273	-.273	0	%100
36	M30	Z	.157	.157	0	%100
37	M31	X	-.273	-.273	0	%100
38	M31	Z	.157	.157	0	%100
39	M32	X	-.946	-.946	0	%100
40	M32	Z	.546	.546	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-1.071	-1.071	0	%100
44	M34	Z	.618	.618	0	%100
45	M35	X	-.268	-.268	0	%100
46	M35	Z	.155	.155	0	%100
47	M36	X	-.268	-.268	0	%100
48	M36	Z	.155	.155	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-.529	-.529	0	%100
52	M39A	Z	.305	.305	0	%100
53	M41A	X	-.53	-.53	0	%100
54	M41A	Z	.306	.306	0	%100
55	M48	X	-.127	-.127	0	%100
56	M48	Z	.074	.074	0	%100
57	M49	X	-.123	-.123	0	%100
58	M49	Z	.071	.071	0	%100
59	M52	X	-1.091	-1.091	0	%100
60	M52	Z	.63	.63	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,%]
61	M53	X	-1.091	-1.091	0	%100
62	M53	Z	.63	.63	0	%100
63	M54	X	-.628	-.628	0	%100
64	M54	Z	.363	.363	0	%100
65	M57	X	-.273	-.273	0	%100
66	M57	Z	.157	.157	0	%100
67	M58	X	-.273	-.273	0	%100
68	M58	Z	.157	.157	0	%100
69	M59	X	-.803	-.803	0	%100
70	M59	Z	.464	.464	0	%100
71	M60	X	-.268	-.268	0	%100
72	M60	Z	.155	.155	0	%100
73	M61	X	-.47	-.47	0	%100
74	M61	Z	.272	.272	0	%100
75	M63	X	-.132	-.132	0	%100
76	M63	Z	.076	.076	0	%100
77	M65	X	-.132	-.132	0	%100
78	M65	Z	.076	.076	0	%100
79	M72	X	-.559	-.559	0	%100
80	M72	Z	.323	.323	0	%100
81	M73	X	-.157	-.157	0	%100
82	M73	Z	.091	.091	0	%100
83	M76	X	-.273	-.273	0	%100
84	M76	Z	.157	.157	0	%100
85	M77	X	-.273	-.273	0	%100
86	M77	Z	.157	.157	0	%100
87	M78	X	-.946	-.946	0	%100
88	M78	Z	.546	.546	0	%100
89	M81	X	-1.091	-1.091	0	%100
90	M81	Z	.63	.63	0	%100
91	M82	X	-1.091	-1.091	0	%100
92	M82	Z	.63	.63	0	%100
93	M83	X	-.803	-.803	0	%100
94	M83	Z	.464	.464	0	%100
95	M84	X	-.268	-.268	0	%100
96	M84	Z	.155	.155	0	%100
97	M85	X	-.47	-.47	0	%100
98	M85	Z	.272	.272	0	%100
99	M87	X	-.133	-.133	0	%100
100	M87	Z	.077	.077	0	%100
101	M89	X	-.133	-.133	0	%100
102	M89	Z	.077	.077	0	%100
103	M96	X	-.153	-.153	0	%100
104	M96	Z	.088	.088	0	%100
105	M97	X	-.558	-.558	0	%100
106	M97	Z	.322	.322	0	%100
107	MP1A	X	-.424	-.424	0	%100
108	MP1A	Z	.245	.245	0	%100
109	MP2A	X	-.513	-.513	0	%100
110	MP2A	Z	.296	.296	0	%100
111	MP3A	X	-.424	-.424	0	%100
112	MP3A	Z	.245	.245	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,%]
113	MP4A	X	-.424	-.424	0	%100
114	MP4A	Z	.245	.245	0	%100
115	MP1C	X	-.424	-.424	0	%100
116	MP1C	Z	.245	.245	0	%100
117	MP2C	X	-.513	-.513	0	%100
118	MP2C	Z	.296	.296	0	%100
119	MP3C	X	-.424	-.424	0	%100
120	MP3C	Z	.245	.245	0	%100
121	MP4C	X	-.424	-.424	0	%100
122	MP4C	Z	.245	.245	0	%100
123	MP1B	X	-.424	-.424	0	%100
124	MP1B	Z	.245	.245	0	%100
125	MP2B	X	-.513	-.513	0	%100
126	MP2B	Z	.296	.296	0	%100
127	MP3B	X	-.424	-.424	0	%100
128	MP3B	Z	.245	.245	0	%100
129	MP4B	X	-.424	-.424	0	%100
130	MP4B	Z	.245	.245	0	%100
131	M122	X	-.347	-.347	0	%100
132	M122	Z	.2	.2	0	%100
133	M124	X	-.128	-.128	0	%100
134	M124	Z	.074	.074	0	%100
135	M131	X	-.513	-.513	0	%100
136	M131	Z	.296	.296	0	%100
137	M138	X	-.128	-.128	0	%100
138	M138	Z	.074	.074	0	%100
139	M145	X	-.659	-.659	0	%100
140	M145	Z	.381	.381	0	%100
141	M146	X	-.165	-.165	0	%100
142	M146	Z	.095	.095	0	%100
143	M147	X	-.165	-.165	0	%100
144	M147	Z	.095	.095	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	-.541	-.541	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.541	-.541	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-.511	-.511	0	%100
16	M12	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,%]
17	M13	X	-.309	-.309	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-.945	-.945	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	-.945	-.945	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-.945	-.945	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-.945	-.945	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.145	-.145	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-1.237	-1.237	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	-.945	-.945	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-.945	-.945	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-.945	-.945	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-.945	-.945	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-1.199	-1.199	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-.309	-.309	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-.927	-.927	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.927	-.927	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	-.181	-.181	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-.458	-.458	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	-.46	-.46	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	-.000446	-.000446	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-.463	-.463	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	-.945	-.945	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	-.945	-.945	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-.145	-.145	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	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,%]
69	M59	X	-.309	-.309	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-.927	-.927	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-.181	-.181	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-.458	-.458	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	-.459	-.459	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	-.47	-.47	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	-.000819	-.000819	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	-.945	-.945	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	-.945	-.945	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-1.199	-1.199	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	-.945	-.945	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	-.945	-.945	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-1.237	-1.237	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	-.724	-.724	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	-.499	-.499	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	-.503	-.503	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	-.489	-.489	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	-.593	-.593	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	-.489	-.489	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	-.489	-.489	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	-.489	-.489	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	-.593	-.593	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	-.489	-.489	0	%100
120	MP3C	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,%]
121	MP4C	X	-.489	-.489	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	-.489	-.489	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	-.593	-.593	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	-.489	-.489	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	-.489	-.489	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	-.4	-.4	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	-.444	-.444	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	-.444	-.444	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-.571	-.571	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	-.571	-.571	0	%100
144	M147	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	-.156	-.156	0	%100
2	M1	Z	-.09	-.09	0	%100
3	M2	X	-.156	-.156	0	%100
4	M2	Z	-.09	-.09	0	%100
5	M3	X	-.625	-.625	0	%100
6	M3	Z	-.361	-.361	0	%100
7	M8	X	-.273	-.273	0	%100
8	M8	Z	-.157	-.157	0	%100
9	M9	X	-.273	-.273	0	%100
10	M9	Z	-.157	-.157	0	%100
11	M10	X	-.273	-.273	0	%100
12	M10	Z	-.157	-.157	0	%100
13	M11	X	-.273	-.273	0	%100
14	M11	Z	-.157	-.157	0	%100
15	M12	X	-.946	-.946	0	%100
16	M12	Z	-.546	-.546	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-.273	-.273	0	%100
20	M18	Z	-.157	-.157	0	%100
21	M19	X	-.273	-.273	0	%100
22	M19	Z	-.157	-.157	0	%100
23	M20	X	-.273	-.273	0	%100
24	M20	Z	-.157	-.157	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,%]
25	M21	X	-.273	-.273	0	%100
26	M21	Z	-.157	-.157	0	%100
27	M22	X	-.032	-.032	0	%100
28	M22	Z	-.019	-.019	0	%100
29	M23	X	-.803	-.803	0	%100
30	M23	Z	-.464	-.464	0	%100
31	M28	X	-1.091	-1.091	0	%100
32	M28	Z	-.63	-.63	0	%100
33	M29	X	-1.091	-1.091	0	%100
34	M29	Z	-.63	-.63	0	%100
35	M30	X	-1.091	-1.091	0	%100
36	M30	Z	-.63	-.63	0	%100
37	M31	X	-1.091	-1.091	0	%100
38	M31	Z	-.63	-.63	0	%100
39	M32	X	-.628	-.628	0	%100
40	M32	Z	-.363	-.363	0	%100
41	M33	X	-.803	-.803	0	%100
42	M33	Z	-.464	-.464	0	%100
43	M34	X	-.268	-.268	0	%100
44	M34	Z	-.155	-.155	0	%100
45	M35	X	-1.071	-1.071	0	%100
46	M35	Z	-.618	-.618	0	%100
47	M36	X	-.268	-.268	0	%100
48	M36	Z	-.155	-.155	0	%100
49	M41	X	-.47	-.47	0	%100
50	M41	Z	-.272	-.272	0	%100
51	M39A	X	-.133	-.133	0	%100
52	M39A	Z	-.077	-.077	0	%100
53	M41A	X	-.133	-.133	0	%100
54	M41A	Z	-.077	-.077	0	%100
55	M48	X	-.153	-.153	0	%100
56	M48	Z	-.088	-.088	0	%100
57	M49	X	-.558	-.558	0	%100
58	M49	Z	-.322	-.322	0	%100
59	M52	X	-.273	-.273	0	%100
60	M52	Z	-.157	-.157	0	%100
61	M53	X	-.273	-.273	0	%100
62	M53	Z	-.157	-.157	0	%100
63	M54	X	-.032	-.032	0	%100
64	M54	Z	-.019	-.019	0	%100
65	M57	X	-.273	-.273	0	%100
66	M57	Z	-.157	-.157	0	%100
67	M58	X	-.273	-.273	0	%100
68	M58	Z	-.157	-.157	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-1.071	-1.071	0	%100
72	M60	Z	-.618	-.618	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-.529	-.529	0	%100
76	M63	Z	-.305	-.305	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,%]
77	M65	X	-.53	-.53	0	%100
78	M65	Z	-.306	-.306	0	%100
79	M72	X	-.127	-.127	0	%100
80	M72	Z	-.074	-.074	0	%100
81	M73	X	-.123	-.123	0	%100
82	M73	Z	-.071	-.071	0	%100
83	M76	X	-1.091	-1.091	0	%100
84	M76	Z	-.63	-.63	0	%100
85	M77	X	-1.091	-1.091	0	%100
86	M77	Z	-.63	-.63	0	%100
87	M78	X	-.628	-.628	0	%100
88	M78	Z	-.363	-.363	0	%100
89	M81	X	-.273	-.273	0	%100
90	M81	Z	-.157	-.157	0	%100
91	M82	X	-.273	-.273	0	%100
92	M82	Z	-.157	-.157	0	%100
93	M83	X	-.803	-.803	0	%100
94	M83	Z	-.464	-.464	0	%100
95	M84	X	-.268	-.268	0	%100
96	M84	Z	-.155	-.155	0	%100
97	M85	X	-.47	-.47	0	%100
98	M85	Z	-.272	-.272	0	%100
99	M87	X	-.132	-.132	0	%100
100	M87	Z	-.076	-.076	0	%100
101	M89	X	-.132	-.132	0	%100
102	M89	Z	-.076	-.076	0	%100
103	M96	X	-.559	-.559	0	%100
104	M96	Z	-.323	-.323	0	%100
105	M97	X	-.157	-.157	0	%100
106	M97	Z	-.091	-.091	0	%100
107	MP1A	X	-.424	-.424	0	%100
108	MP1A	Z	-.245	-.245	0	%100
109	MP2A	X	-.513	-.513	0	%100
110	MP2A	Z	-.296	-.296	0	%100
111	MP3A	X	-.424	-.424	0	%100
112	MP3A	Z	-.245	-.245	0	%100
113	MP4A	X	-.424	-.424	0	%100
114	MP4A	Z	-.245	-.245	0	%100
115	MP1C	X	-.424	-.424	0	%100
116	MP1C	Z	-.245	-.245	0	%100
117	MP2C	X	-.513	-.513	0	%100
118	MP2C	Z	-.296	-.296	0	%100
119	MP3C	X	-.424	-.424	0	%100
120	MP3C	Z	-.245	-.245	0	%100
121	MP4C	X	-.424	-.424	0	%100
122	MP4C	Z	-.245	-.245	0	%100
123	MP1B	X	-.424	-.424	0	%100
124	MP1B	Z	-.245	-.245	0	%100
125	MP2B	X	-.513	-.513	0	%100
126	MP2B	Z	-.296	-.296	0	%100
127	MP3B	X	-.424	-.424	0	%100
128	MP3B	Z	-.245	-.245	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,%]
129	MP4B	X	-.424	-.424	0	%100
130	MP4B	Z	-.245	-.245	0	%100
131	M122	X	-.347	-.347	0	%100
132	M122	Z	-.2	-.2	0	%100
133	M124	X	-.128	-.128	0	%100
134	M124	Z	-.074	-.074	0	%100
135	M131	X	-.128	-.128	0	%100
136	M131	Z	-.074	-.074	0	%100
137	M138	X	-.513	-.513	0	%100
138	M138	Z	-.296	-.296	0	%100
139	M145	X	-.165	-.165	0	%100
140	M145	Z	-.095	-.095	0	%100
141	M146	X	-.165	-.165	0	%100
142	M146	Z	-.095	-.095	0	%100
143	M147	X	-.659	-.659	0	%100
144	M147	Z	-.381	-.381	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	-.27	-.27	0	%100
2	M1	Z	-.469	-.469	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.27	-.27	0	%100
6	M3	Z	-.469	-.469	0	%100
7	M8	X	-.472	-.472	0	%100
8	M8	Z	-.818	-.818	0	%100
9	M9	X	-.472	-.472	0	%100
10	M9	Z	-.818	-.818	0	%100
11	M10	X	-.472	-.472	0	%100
12	M10	Z	-.818	-.818	0	%100
13	M11	X	-.472	-.472	0	%100
14	M11	Z	-.818	-.818	0	%100
15	M12	X	-.6	-.6	0	%100
16	M12	Z	-1.039	-1.039	0	%100
17	M13	X	-.155	-.155	0	%100
18	M13	Z	-.268	-.268	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.255	-.255	0	%100
28	M22	Z	-.442	-.442	0	%100
29	M23	X	-.155	-.155	0	%100
30	M23	Z	-.268	-.268	0	%100
31	M28	X	-.472	-.472	0	%100
32	M28	Z	-.818	-.818	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,%]
33	M29	X	-.472	-.472	0	%100
34	M29	Z	-.818	-.818	0	%100
35	M30	X	-.472	-.472	0	%100
36	M30	Z	-.818	-.818	0	%100
37	M31	X	-.472	-.472	0	%100
38	M31	Z	-.818	-.818	0	%100
39	M32	X	-.072	-.072	0	%100
40	M32	Z	-.125	-.125	0	%100
41	M33	X	-.618	-.618	0	%100
42	M33	Z	-1.071	-1.071	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.464	-.464	0	%100
46	M35	Z	-.803	-.803	0	%100
47	M36	X	-.464	-.464	0	%100
48	M36	Z	-.803	-.803	0	%100
49	M41	X	-.362	-.362	0	%100
50	M41	Z	-.627	-.627	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	-.249	-.249	0	%100
56	M48	Z	-.432	-.432	0	%100
57	M49	X	-.252	-.252	0	%100
58	M49	Z	-.436	-.436	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-.255	-.255	0	%100
64	M54	Z	-.442	-.442	0	%100
65	M57	X	-.472	-.472	0	%100
66	M57	Z	-.818	-.818	0	%100
67	M58	X	-.472	-.472	0	%100
68	M58	Z	-.818	-.818	0	%100
69	M59	X	-.155	-.155	0	%100
70	M59	Z	-.268	-.268	0	%100
71	M60	X	-.464	-.464	0	%100
72	M60	Z	-.803	-.803	0	%100
73	M61	X	-.091	-.091	0	%100
74	M61	Z	-.157	-.157	0	%100
75	M63	X	-.229	-.229	0	%100
76	M63	Z	-.397	-.397	0	%100
77	M65	X	-.23	-.23	0	%100
78	M65	Z	-.398	-.398	0	%100
79	M72	X	-.000223	-.000223	0	%100
80	M72	Z	-.000386	-.000386	0	%100
81	M73	X	-.232	-.232	0	%100
82	M73	Z	-.401	-.401	0	%100
83	M76	X	-.472	-.472	0	%100
84	M76	Z	-.818	-.818	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,%]
85	M77	X	-.472	-.472	0	%100
86	M77	Z	-.818	-.818	0	%100
87	M78	X	-.072	-.072	0	%100
88	M78	Z	-.125	-.125	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-.155	-.155	0	%100
94	M83	Z	-.268	-.268	0	%100
95	M84	X	-.464	-.464	0	%100
96	M84	Z	-.803	-.803	0	%100
97	M85	X	-.091	-.091	0	%100
98	M85	Z	-.157	-.157	0	%100
99	M87	X	-.229	-.229	0	%100
100	M87	Z	-.396	-.396	0	%100
101	M89	X	-.229	-.229	0	%100
102	M89	Z	-.397	-.397	0	%100
103	M96	X	-.235	-.235	0	%100
104	M96	Z	-.407	-.407	0	%100
105	M97	X	-.00041	-.00041	0	%100
106	M97	Z	-.000709	-.000709	0	%100
107	MP1A	X	-.245	-.245	0	%100
108	MP1A	Z	-.424	-.424	0	%100
109	MP2A	X	-.296	-.296	0	%100
110	MP2A	Z	-.513	-.513	0	%100
111	MP3A	X	-.245	-.245	0	%100
112	MP3A	Z	-.424	-.424	0	%100
113	MP4A	X	-.245	-.245	0	%100
114	MP4A	Z	-.424	-.424	0	%100
115	MP1C	X	-.245	-.245	0	%100
116	MP1C	Z	-.424	-.424	0	%100
117	MP2C	X	-.296	-.296	0	%100
118	MP2C	Z	-.513	-.513	0	%100
119	MP3C	X	-.245	-.245	0	%100
120	MP3C	Z	-.424	-.424	0	%100
121	MP4C	X	-.245	-.245	0	%100
122	MP4C	Z	-.424	-.424	0	%100
123	MP1B	X	-.245	-.245	0	%100
124	MP1B	Z	-.424	-.424	0	%100
125	MP2B	X	-.296	-.296	0	%100
126	MP2B	Z	-.513	-.513	0	%100
127	MP3B	X	-.245	-.245	0	%100
128	MP3B	Z	-.424	-.424	0	%100
129	MP4B	X	-.245	-.245	0	%100
130	MP4B	Z	-.424	-.424	0	%100
131	M122	X	-.2	-.2	0	%100
132	M122	Z	-.347	-.347	0	%100
133	M124	X	-.222	-.222	0	%100
134	M124	Z	-.385	-.385	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	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,%]
137	M138	X	-.222	-.222	0	%100
138	M138	Z	-.385	-.385	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	-.285	-.285	0	%100
142	M146	Z	-.494	-.494	0	%100
143	M147	X	-.285	-.285	0	%100
144	M147	Z	-.494	-.494	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M48	Y	-3.399	-6.081	0	.714
2	M48	Y	-6.081	-6.947	.714	1.428
3	M48	Y	-6.947	-5.712	1.428	2.141
4	M48	Y	-5.712	-4.092	2.141	2.855
5	M48	Y	-4.092	-2.371	2.855	3.569
6	M49	Y	-1.777	-6.9	0	.889
7	M49	Y	-6.9	-8.071	.889	1.778
8	M49	Y	-8.071	-4.673	1.778	2.666
9	M49	Y	-4.673	-.659	2.666	3.555
10	M72	Y	-3.399	-6.081	0	.714
11	M72	Y	-6.081	-6.947	.714	1.428
12	M72	Y	-6.947	-5.712	1.428	2.141
13	M72	Y	-5.712	-4.092	2.141	2.855
14	M72	Y	-4.092	-2.371	2.855	3.569
15	M73	Y	-1.777	-6.9	0	.889
16	M73	Y	-6.9	-8.071	.889	1.778
17	M73	Y	-8.071	-4.673	1.778	2.666
18	M73	Y	-4.673	-.659	2.666	3.555
19	M96	Y	-1.775	-6.873	0	.892
20	M96	Y	-6.873	-8.041	.892	1.785
21	M96	Y	-8.041	-4.657	1.785	2.677
22	M96	Y	-4.657	-.652	2.677	3.569
23	M97	Y	-3.404	-6.098	0	.711
24	M97	Y	-6.098	-6.977	.711	1.422
25	M97	Y	-6.977	-5.737	1.422	2.133
26	M97	Y	-5.737	-4.105	2.133	2.844
27	M97	Y	-4.105	-2.385	2.844	3.555

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M48	Y	-7.342	-13.135	0	.714
2	M48	Y	-13.135	-15.006	.714	1.428
3	M48	Y	-15.006	-12.338	1.428	2.141
4	M48	Y	-12.338	-8.838	2.141	2.855
5	M48	Y	-8.838	-5.121	2.855	3.569
6	M49	Y	-3.839	-14.903	0	.889
7	M49	Y	-14.903	-17.432	.889	1.778
8	M49	Y	-17.432	-10.094	1.778	2.666
9	M49	Y	-10.094	-1.424	2.666	3.555
10	M96	Y	-3.835	-14.846	0	.892

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M96	Y	-14.846	-17.369	.892	1.785
12	M96	Y	-17.369	-10.06	1.785	2.677
13	M96	Y	-10.06	-1.408	2.677	3.569
14	M97	Y	-7.353	-13.171	0	.711
15	M97	Y	-13.171	-15.069	.711	1.422
16	M97	Y	-15.069	-12.391	1.422	2.133
17	M97	Y	-12.391	-8.866	2.133	2.844
18	M97	Y	-8.866	-5.152	2.844	3.555
19	M72	Y	-7.34	-13.128	0	.714
20	M72	Y	-13.128	-15.015	.714	1.428
21	M72	Y	-15.015	-12.343	1.428	2.141
22	M72	Y	-12.343	-8.829	2.141	2.855
23	M72	Y	-8.829	-5.127	2.855	3.569
24	M73	Y	-3.837	-14.897	0	.889
25	M73	Y	-14.897	-17.434	.889	1.778
26	M73	Y	-17.434	-10.101	1.778	2.666
27	M73	Y	-10.101	-1.419	2.666	3.555

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N68	N67	N66	N65	Y	Two Way	-.005
2	N95	N94	N97	N96	Y	Two Way	-.005
3	N123	N126	N125	N124	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N68	N67	N66	N65	Y	Two Way	-.011
2	N123	N126	N125	N124	Y	Two Way	-.011
3	N97	N94	N95	N96	Y	Two Way	-.011

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	N60	max	1167.761	9	2108.73	21	818.059	1	-.12	3	.781	12	.026	3
2		min	-1254.018	3	335.819	3	-771.263	7	-2.371	21	-.781	6	-3.895	21
3	N58	max	800.765	10	2402.52	13	1868.802	1	4.823	13	.993	4	0	2
4		min	-801.854	4	438.517	7	-1968.352	7	-.001	7	-.983	10	-.165	20
5	N62	max	1608.756	11	2252.351	17	936.902	12	.055	11	.895	8	4.29	29
6		min	-1520.824	5	379.875	11	-882.211	6	-2.72	29	-.894	2	.098	11
7	Totals:	max	3492.049	10	6295.698	16	3560.567	1						
8		min	-3492.048	4	3125.649	11	-3560.567	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE_3.0	.143	8.971	18	.088	8.971		6	25475.856	65205	5.749	5.749	2....	H1-1b
2	M2	PIPE_3.0	.143	8.971	14	.087	4.141		4	25475.856	65205	5.749	5.749	2....	H1-1b
3	M3	PIPE_3.0	.125	7.039	7	.089	4.141		12	25475.856	65205	5.749	5.749	2....	H1-1b
4	M8	PL1/2X6	.101	0	9	.116	0	y	5	96222.477	97200	1.012	12.15	1....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
5	M9	PL1/2X6	.066	0	5	.100	.167	y	27	96222.477	97200	1.012	12.15	1....	H1-1b
6	M10	PL3/8x6	.131	0	11	.261	.167	y	17	71601.728	72900	.57	9.113	1....	H1-1b
7	M11	PL3/8x6	.189	0	3	.542	.167	y	20	71601.728	72900	.57	9.113	1....	H1-1b
8	M12	PL3/8x6	.220	.25	12	.246	.25	y	19	70011.354	72900	.57	9.113	1....	H1-1b
9	M13	PL3/8x6	.145	.25	3	.276	.25	y	18	70011.354	72900	.57	9.113	1....	H1-1b
10	M18	PL1/2X6	.067	0	5	.059	0	y	1	96222.477	97200	1.012	12.15	1....	H1-1b
11	M19	PL1/2X6	.064	0	1	.038	.167	y	11	96222.477	97200	1.012	12.15	1....	H1-1b
12	M20	PL3/8x6	.124	0	7	.256	.167	y	13	71601.728	72900	.57	9.113	1....	H1-1b
13	M21	PL3/8x6	.116	0	11	.285	.167	y	16	71601.728	72900	.57	9.113	1....	H1-1b
14	M22	PL3/8x6	.135	.25	7	.191	.25	y	14	70011.354	72900	.57	9.113	1....	H1-1b
15	M23	PL3/8x6	.122	.25	11	.272	.25	y	13	70011.354	72900	.57	9.113	1....	H1-1b
16	M28	PL1/2X6	.067	0	1	.056	0	y	9	96222.477	97200	1.012	12.15	1....	H1-1b
17	M29	PL1/2X6	.100	0	9	.080	.167	y	7	96222.477	97200	1.012	12.15	1....	H1-1b
18	M30	PL3/8x6	.205	0	3	.493	.167	y	21	71601.728	72900	.57	9.113	1....	H1-1b
19	M31	PL3/8x6	.120	0	7	.290	.167	y	24	71601.728	72900	.57	9.113	1....	H1-1b
20	M32	PL3/8x6	.161	.25	3	.197	.25	y	22	70011.354	72900	.57	9.113	1....	H1-1b
21	M33	PL3/8x6	.206	.25	6	.366	.25	y	22	70011.354	72900	.57	9.113	1....	H1-1b
22	M34	PL1/2X6	.145	.496	5	.119	0	y	6	67934.735	97200	1.012	12.15	1....	H1-1b
23	M35	PL1/2X6	.114	.496	11	.147	.496	y	26	67934.735	97200	1.012	12.15	1....	H1-1b
24	M36	PL1/2X6	.117	.496	2	.094	.992	y	10	67934.735	97200	1.012	12.15	1....	H1-1b
25	M41	HSS4X4X4	.283	0	21	.079	0	y	46	125794.4	139518	16.181	16.181	3....	H1-1b
26	M39A	HSS4X4X4	.137	2	20	.057	2	y	21	137201.8...	139518	16.181	16.181	1....	H1-1b
27	M41A	HSS4X4X4	.129	0	22	.049	0	y	21	137015.9...	139518	16.181	16.181	1....	H1-1b
28	M48	L2x2x3	.078	3.569	7	.012	3.569	y	18	12357.762	23392.8	.558	1.163	1....	H2-1
29	M49	L2x2x3	.080	1.629	15	.011	3.555	z	23	12419.665	23392.8	.558	1.239	2....	H2-1
30	M52	PL1/2X6	.067	0	5	.059	0	y	1	96222.477	97200	1.012	12.15	1....	H1-1b
31	M53	PL3/8x6	.116	0	11	.285	.167	y	16	71601.728	72900	.57	9.113	1....	H1-1b
32	M54	PL3/8x6	.135	.25	7	.191	.25	y	14	70011.354	72900	.57	9.113	1....	H1-1b
33	M57	PL1/2X6	.066	0	5	.100	.167	y	27	96222.477	97200	1.012	12.15	1....	H1-1b
34	M58	PL3/8x6	.131	0	11	.261	.167	y	17	71601.728	72900	.57	9.113	1....	H1-1b
35	M59	PL3/8x6	.145	.25	3	.276	.25	y	18	70011.354	72900	.57	9.113	1....	H1-1b
36	M60	PL1/2X6	.114	.496	11	.147	.496	y	26	67934.735	97200	1.012	12.15	1....	H1-1b
37	M61	HSS4X4X4	.314	0	29	.081	0	y	41	125794.4	139518	16.181	16.181	2....	H1-1b
38	M63	HSS4X4X4	.148	2	16	.055	2	y	17	137201.8...	139518	16.181	16.181	1....	H1-1b
39	M65	HSS4X4X4	.143	0	18	.044	0	y	29	137015.9...	139518	16.181	16.181	1....	H1-1b
40	M72	L2x2x3	.081	3.569	3	.012	3.569	y	13	12357.762	23392.8	.558	1.163	1....	H2-1
41	M73	L2x2x3	.082	2.407	6	.011	3.555	z	19	12419.665	23392.8	.558	1.239	2....	H2-1
42	M76	PL1/2X6	.067	0	1	.056	0	y	9	96222.477	97200	1.012	12.15	1....	H1-1b
43	M77	PL3/8x6	.120	0	7	.290	.167	y	24	71601.728	72900	.57	9.113	1....	H1-1b
44	M78	PL3/8x6	.161	.25	3	.197	.25	y	22	70011.354	72900	.57	9.113	1....	H1-1b
45	M81	PL1/2X6	.064	0	1	.038	.167	y	11	96222.477	97200	1.012	12.15	1....	H1-1b
46	M82	PL3/8x6	.124	0	7	.256	.167	y	13	71601.728	72900	.57	9.113	1....	H1-1b
47	M83	PL3/8x6	.122	.25	11	.272	.25	y	13	70011.354	72900	.57	9.113	1....	H1-1b
48	M84	PL1/2X6	.117	.496	2	.094	0	y	10	67934.735	97200	1.012	12.15	1....	H1-1b
49	M85	HSS4X4X4	.300	0	13	.072	0	y	13	125794.4	139518	16.181	16.181	3....	H1-1b
50	M87	HSS4X4X4	.151	2	24	.056	2	y	13	137201.8...	139518	16.181	16.181	1....	H1-1b
51	M89	HSS4X4X4	.139	0	14	.042	0	y	13	137015.9...	139518	16.181	16.181	1....	H1-1b
52	M96	L2x2x3	.075	3.569	12	.012	3.569	y	22	12357.762	23392.8	.558	1.12	1....	H2-1
53	M97	L2x2x3	.085	2.407	2	.011	3.555	z	15	12419.665	23392.8	.558	1.239	2....	H2-1
54	MP1A	PIPE_2.0	.258	3.313	9	.108	1.125		8	20866.733	32130	1.872	1.872	1....	H1-1b
55	MP2A	PIPE_2.5	.222	4.302	10	.126	4.302		10	33961.614	50715	3.596	3.596	2....	H1-1b
56	MP3A	PIPE_2.0	.254	3.313	5	.109	3.313		7	20866.733	32130	1.872	1.872	1....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
57	MP4A	PIPE_2.0	.174	3.313	6	.086	1.125		7	20866.733	32130	1.872	1.872	1....	H1-1b
58	MP1C	PIPE_2.0	.267	3.313	5	.112	1.125		4	20866.733	32130	1.872	1.872	1....	H1-1b
59	MP2C	PIPE_2.5	.236	4.302	6	.131	4.302		6	33961.614	50715	3.596	3.596	2....	H1-1b
60	MP3C	PIPE_2.0	.264	3.313	1	.115	1.125		3	20866.733	32130	1.872	1.872	1....	H1-1b
61	MP4C	PIPE_2.0	.189	3.313	2	.091	1.125		3	20866.733	32130	1.872	1.872	1....	H1-1b
62	MP1B	PIPE_2.0	.258	3.313	1	.102	1.125		12	20866.733	32130	1.872	1.872	1....	H1-1b
63	MP2B	PIPE_2.5	.229	4.302	2	.126	4.302		2	33961.614	50715	3.596	3.596	2....	H1-1b
64	MP3B	PIPE_2.0	.251	3.313	9	.114	1.125		11	20866.733	32130	1.872	1.872	1....	H1-1b
65	MP4B	PIPE_2.0	.184	3.313	10	.090	1.125		11	20866.733	32130	1.872	1.872	1....	H1-1b
66	M122	PIPE_2.0	.072	2	1	.014	2		1	28843.414	32130	1.872	1.872	1	H1-1b
67	M124	PIPE_2.5	.157	6.901	5	.107	11.318		12	12957.273	50715	3.596	3.596	1....	H1-1b
68	M131	PIPE_2.5	.161	11.18	12	.104	11.318		8	12957.273	50715	3.596	3.596	1....	H1-1b
69	M138	PIPE_2.5	.157	7.039	1	.106	2.76		12	12957.273	50715	3.596	3.596	2....	H1-1b
70	M145	L3X3X4	.293	0	11	.029	.024	y	6	41360.627	46656	1.688	3.756	2....	H2-1
71	M146	L3X3X4	.305	2.332	5	.030	0	y	4	41360.627	46656	1.688	3.756	2....	H2-1
72	M147	L3X3X4	.316	0	7	.030	1.069	y	8	41360.627	46656	1.688	3.756	2....	H2-1

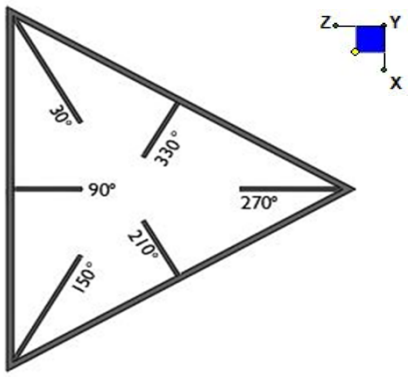
Client:	Verizon Wireless	Date:	8/9/2021
Site Name:	Torrington S CT		
Project No.	21777830A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

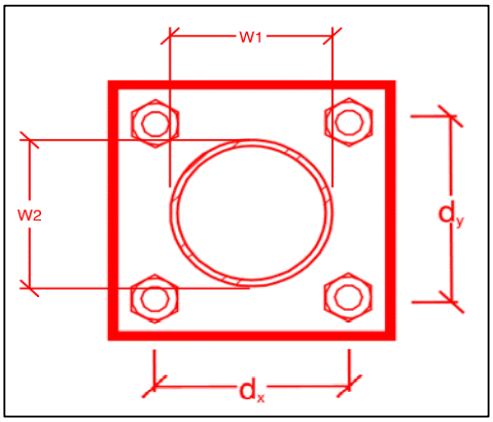
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N60	30
N62	150
N58	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	15.3
Required Shear Strength (kips):	3.2
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**18.4%***
Shear Capacity Overall:	**6.5%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	2.86
Plate Bending Capacity:	**48.3%**
Weld Capacity:	**34.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	15.3
Phi*Mn_{xx} *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.0
Phi*Mn_{yy} *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Install new 36" long P2.0 STD pipe on the existing standoff horizontal member between Beta & Gamma sectors for new OVP - connect to standoff using crossover plates (Site Pro 1 Part #: SQCX4-K or EOR approved equivalent) Contractor shall install new safety climb wire rope guides to the threaded rods of the existing mount collar assemblies to prevent interference with mount connection.

Response:

Schedule A – Photo & Document File Structure

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

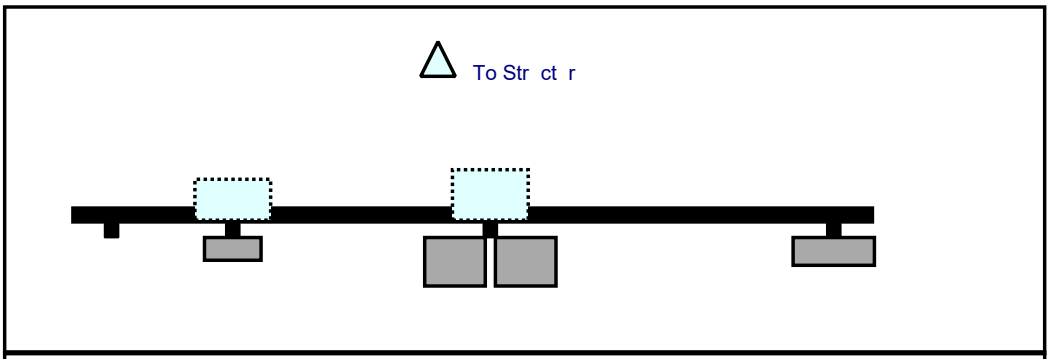
Structure: 467790-VZW - TORRINGTON S CT

S ctor: **A** 8 9 0 1

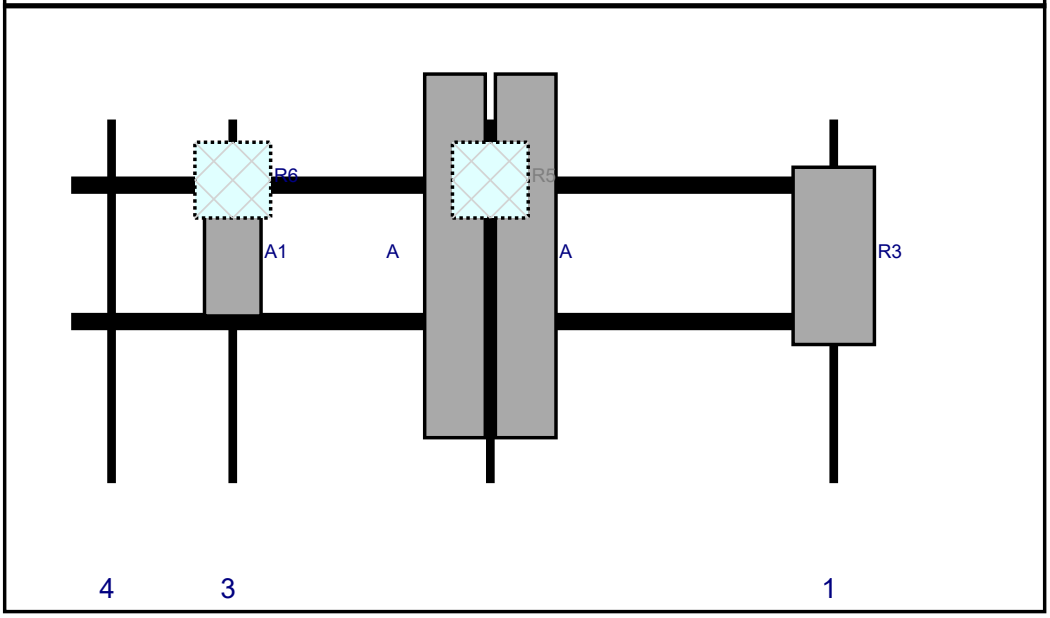
Str ct r T p : Mo opo 1009 303

Mo t E : 139.00 P g : 1

Plan View



Front View
Loo g t Str ct r



R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po	A t Po	C. A t Frm T.	A t H O	St t	d to
R3	MT6407-77A	35.1	16.1	151	1		Fro t	7	0	Add d	
A	S6656-5D	7	1	83			Fro t	7	7	Add d	
A	S6656-5D	7	1	83		b	Fro t	7	-7	Add d	
R5	B B66A RRH-BR049	15	15	83			B d	1	0	Add d	
A1	B A-70063- CF	3.8	11.	3	3		Fro t	7	0	Add d	
R6	B5 B13 RRH-BR04C	15	15	3	3		B d	1	0	Add d	

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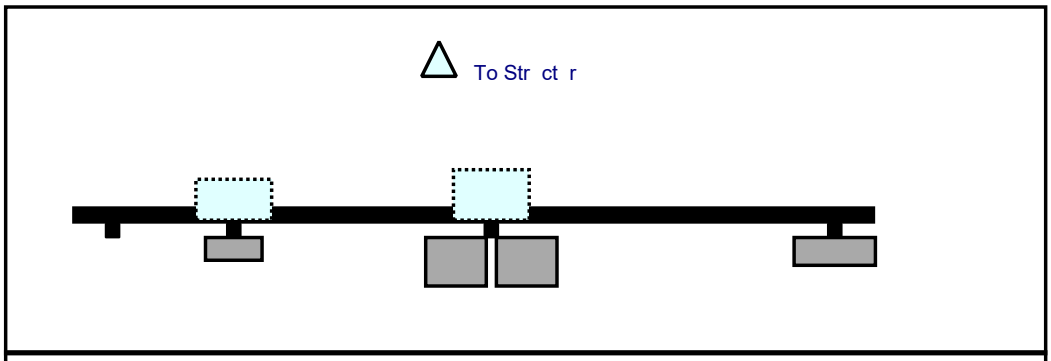
Structure: 467790-VZW - TORRINGTON S CT

S ctor: **B** 8 9 0 1

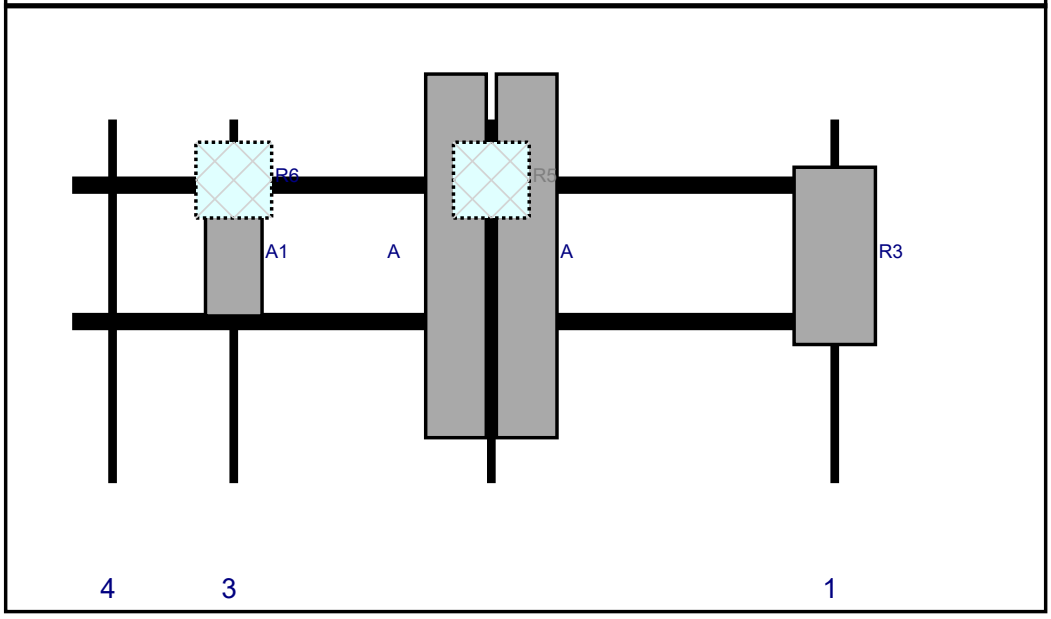
Str ct r T p : Mo opo 1009 303

Mo t E : 139.00 P g :

Plan View



Front View
Loo g t Str ct r



R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po	A t Po	C. A t Frm T.	A t H O	St t	d to
R3	MT6407-77A	35.1	16.1	151	1		Fro t	7	0	Add d	
A	S6656-5D	7	1	83			Fro t	7	7	Add d	
A	S6656-5D	7	1	83		b	Fro t	7	-7	Add d	
R5	B B66A RRH-BR049	15	15	83			B d	1	0	Add d	
A1	B A-70063- CF	3.8	11.	3	3		Fro t	7	0	Add d	
R6	B5 B13 RRH-BR04C	15	15	3	3		B d	1	0	Add d	

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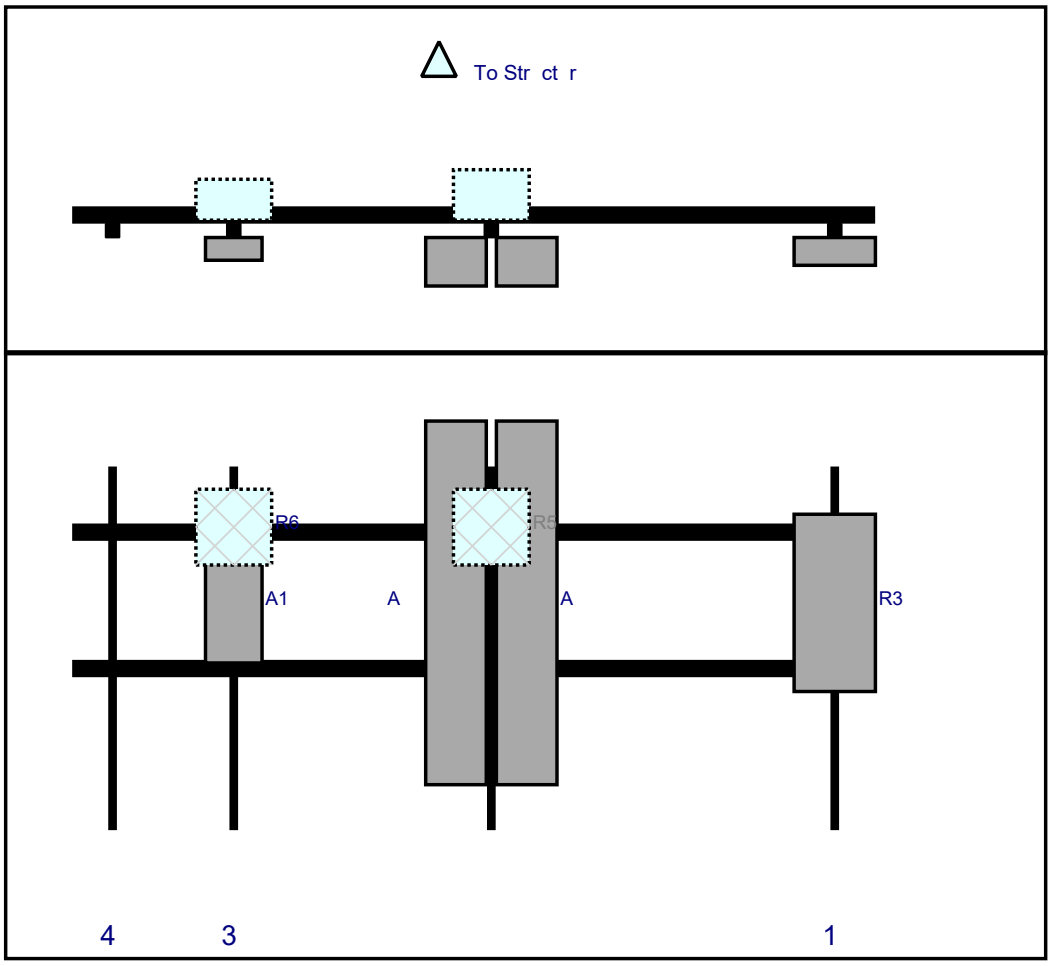
Plan View

Front View
Loo g t Str ct r



R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po	A t Po	C. A t Frm T.	A t H O	St t	d to
R3	MT6407-77A	35.1	16.1	151	1		Fro t	7	0	Add d	
A	S6656-5D	7	1	83			Fro t	7	7	Add d	
A	S6656-5D	7	1	83		b	Fro t	7	-7	Add d	
R5	B B66A RRH-BR049	15	15	83			B d 1		0	Add d	
A1	B A-70063- CF	3.8	11.	3	3		Fro t	7	0	Add d	
R6	B5 B13 RRH-BR04C	15	15	3	3		B d 1		0	Add d	

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Maser Consulting Connecticut

Subject	TIA-222-H Adoption and Wind Speed Usage	
Site Information	*Site ID:*	*467790-VZW / TORRINGTON S CT*
	Site Name:	*TORRINGTON S CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*218 Wheeler Road* *Torrington, Connecticut 06790* *Litchfield County*
	Latitude:	*41.780653°*
	Longitude:	*-73.136119°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*13.25-Ft Platform*

FUZE ID # 16227597

To Whom It May Concern,

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

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

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

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

Sincerely,

Eric Anderson, PE
Technical Specialist

Exhibit E

Power Density/RF Emissions Report

Site Name: ***TORRINGTON S CT***
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)
VZW 700	751	2	623	1247	140	0.0023
VZW CDMA	878.49	2	163	326	140	0.0006
VZW Cellular	874	2	750	1499	140	0.0028
VZW PCS	1975	2	2113	4225	140	0.0078
VZW AWS	2120	2	2540	5080	140	0.0093
VZW CBAND	3730.08	2	21627	43254	140	0.0794

Total Percentage of Maximum Permissible Exposure

*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Counci

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

Absolute worst case maximum values used.

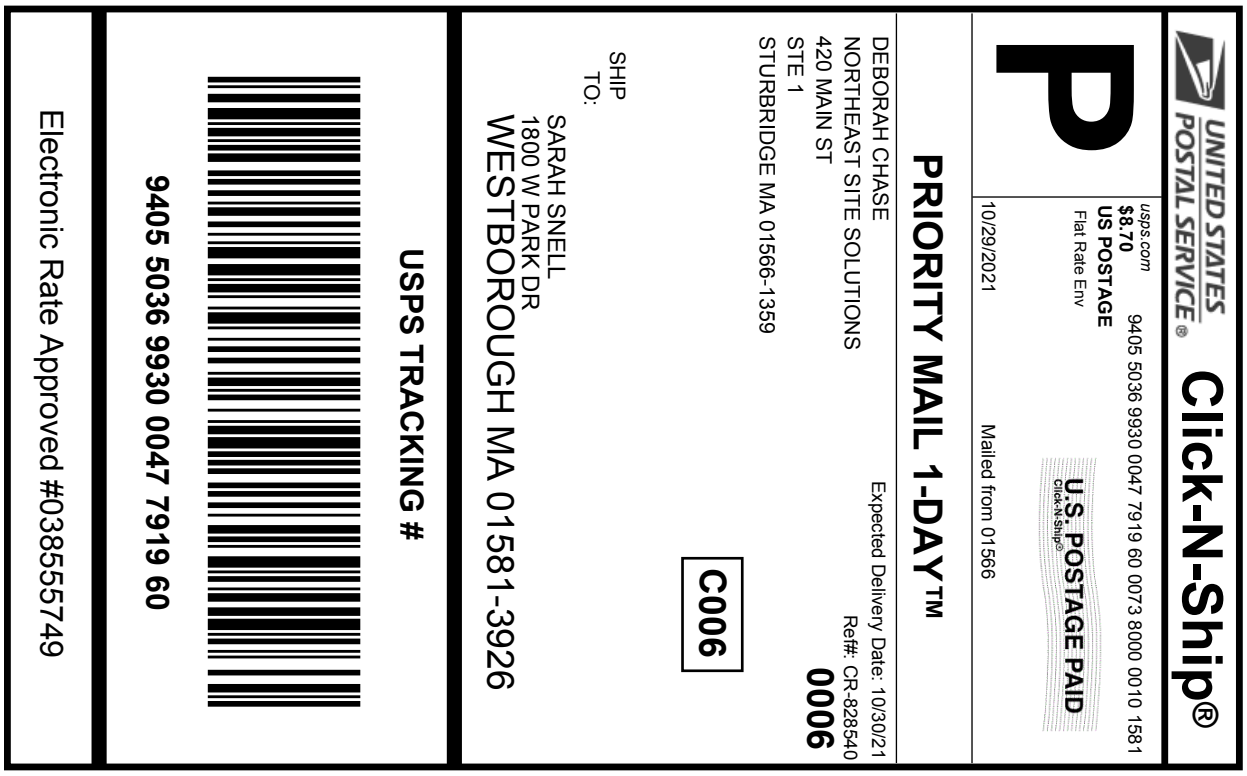
Maximum Permissible Exposure*	Fraction of MPE
(mW/cm^2)	(%)
0.5007	0.46%
0.5857	0.10%
0.5827	0.47%
1.0000	0.78%
1.0000	0.93%
1.0000	7.94%
	10.67%

/IEEE C95.1-1992

il's November 10, 2015 Memorandum for Exempt Modification filings

Exhibit F

Recipient Mailings



Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0047 7919 60

Trans. #:	547184307
Print Date:	10/29/2021
Ship Date:	10/29/2021
Expected Delivery Date:	10/30/2021

Priority Mail® Postage:	**$8.70**
Total:	**$8.70**

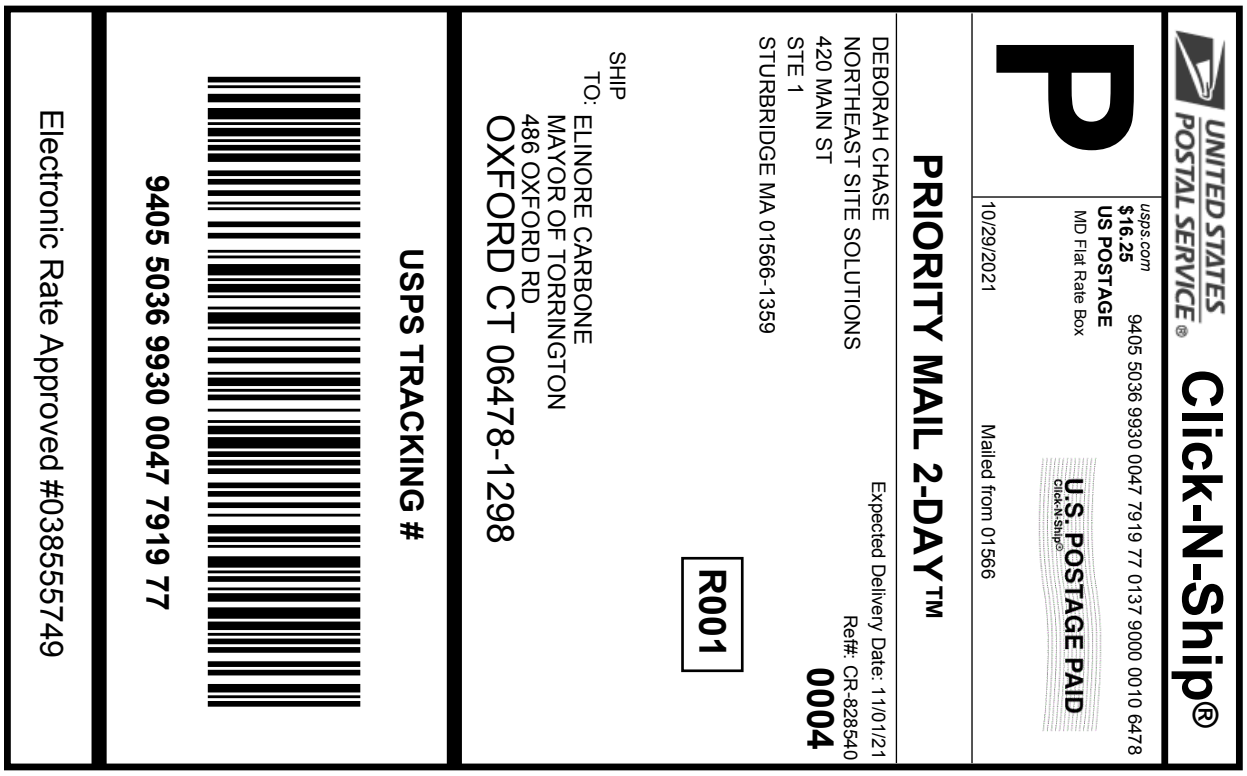
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-828540

To: SARAH SNELL
1800 W PARK DR
WESTBOROUGH MA 01581-3926

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com



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5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0047 7919 77

Trans. #:	547184307
Print Date:	10/29/2021
Ship Date:	10/29/2021
Expected Delivery Date:	11/01/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

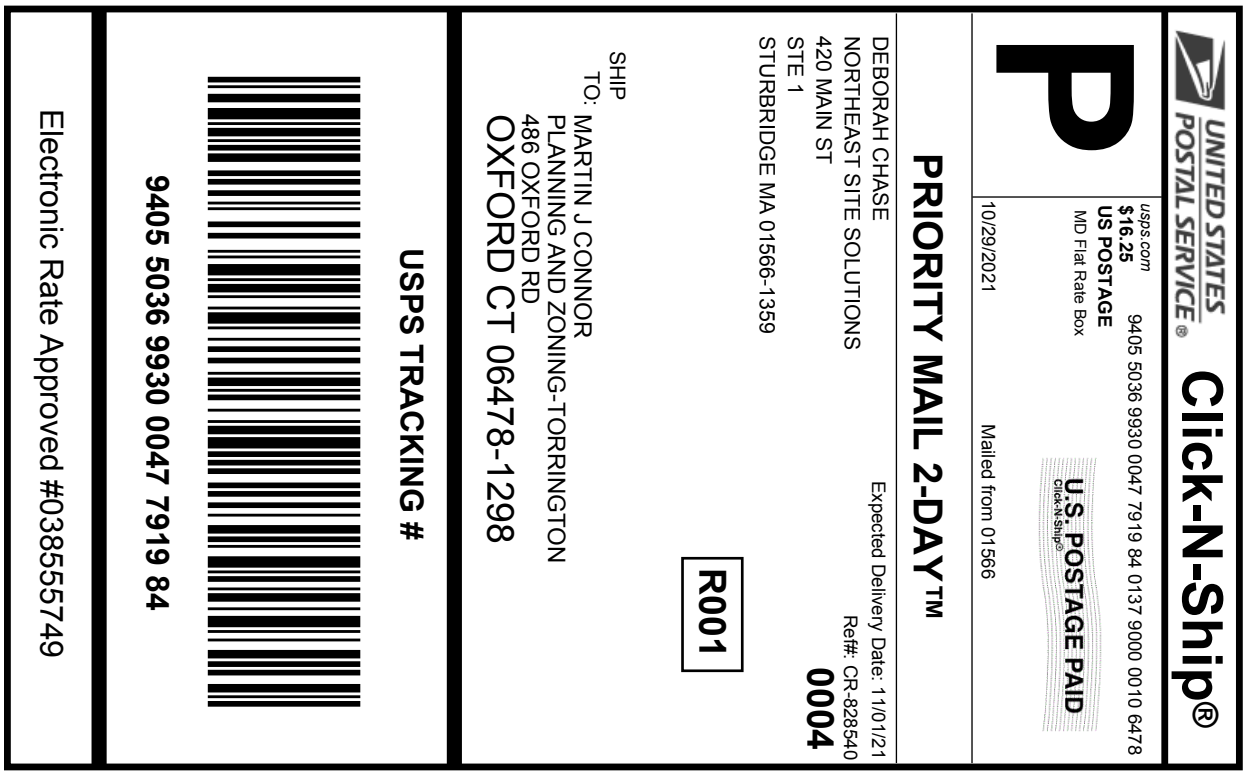
From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-828540

To: ELINORE CARBONE
MAYOR OF TORRINGTON
486 OXFORD RD
OXFORD CT 06478-1298

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

Thank you for shipping with the United States Postal Service!
Check the status of your shipment on the USPS Tracking® page at usps.com



Cut on dotted line.

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5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0047 7919 84

Trans. #:	547184307
Print Date:	10/29/2021
Ship Date:	10/29/2021
Expected Delivery Date:	11/01/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-828540

To: MARTIN J CONNOR
PLANNING AND ZONING-TORRINGTON
486 OXFORD RD
OXFORD CT 06478-1298

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

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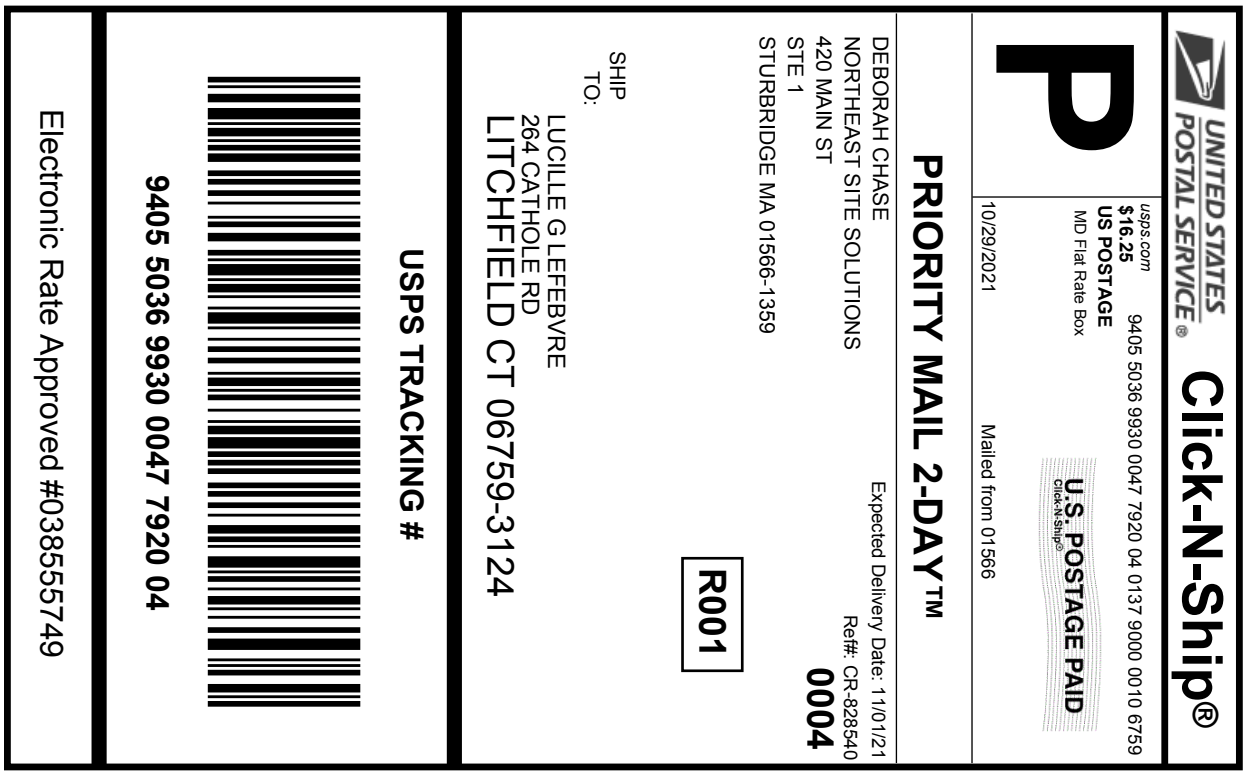

Cut on dotted line.

Instructions

1. **Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.**
2. **Place your label so it does not wrap around the edge of the package.**
3. **Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT TAPE OVER BARCODE. Be sure all edges are secure.**
4. **To mail your package with PC Postage®, you may schedule a Package Pickup online, hand to your letter carrier, take to a Post Office™, or drop in a USPS collection box.**
5. **Mail your package on the "Ship Date" you selected when creating this label.**

Click-N-Ship® Label Record

USPS TRACKING # :
9405 5036 9930 0047 7920 04

Trans. #:	547184307
Print Date:	10/29/2021
Ship Date:	10/29/2021
Expected Delivery Date:	11/01/2021

Priority Mail® Postage:	**$16.25**
Total:	**$16.25**

From: DEBORAH CHASE
NORTHEAST SITE SOLUTIONS
420 MAIN ST
STE 1
STURBRIDGE MA 01566-1359

Ref#: CR-828540

To: LUCILLE G LEFEBVRE
264 CATHOLE RD
LITCHFIELD CT 06759-3124

* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.

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82854

UNITED STATES POSTAL SERVICE.

UNIONVILLE
24 MILL ST
UNIONVILLE, CT 06085-9998
(800)275-8777

11/01/2021 11:52 AM

Product	Qty	Unit Price	Price
Prepaid Mail Westborough, MA 01581 Weight: 0 lb 2.00 oz Acceptance Date: Mon 11/01/2021 Tracking #: 9405 5036 9930 0047 7919 60	1		$0.00
Prepaid Mail Oxford, CT 06478 Weight: 1 lb 8.50 oz Acceptance Date: Mon 11/01/2021 Tracking #: 9405 5036 9930 0047 7919 77	1		$0.00
Prepaid Mail Oxford, CT 06478 Weight: 1 lb 8.40 oz Acceptance Date: Mon 11/01/2021 Tracking #: 9405 5036 9930 0047 7919 84	1		$0.00
Grand Total:			$0.00

****
USPS is experiencing unprecedented volume increases and limited employee availability due to the impacts of

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

Post-Mod Antenna Mount Analysis Report and PMI Requirements

Mount Fix

SMART Tool Project #: 10092303
Maser Consulting Connecticut Project #: 21777830A

August 9, 2021

Site Information	*Site ID:*	*467790-VZW / TORRINGTON S CT*
	Site Name:	*TORRINGTON S CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*218 Wheeler Road* *Torrington, Connecticut 06790* *Litchfield County*
	Latitude:	*41.780653°*
	Longitude:	*-73.136119°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*13.25-Ft Platform*

FUZE ID # 16227597

Analysis Results

Platform: **54.2% Pass**

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

Report Prepared By: Jessica Kendrick

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 324979, dated September 2, 2020*
Mount Mapping Report	*Hudson Design Group, LLC, Site ID: 467790 dated April 28,2021*
Mount Analysis Report	*Maser Consulting Connecticut, Project #: 21777830A, dated July 30, 2021*
Mount Modification Drawings	*Maser Consulting Connecticut, Project #: 21777830A, dated August 9, 2021*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	115 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.964
Seismic Parameters:	S_S:	0.176
	S_1:	0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
139.00	140.00	3	Amphenol Antel	BXA-70063-2CF	Added
		6	Quintel	QS6656-5D	
		3	Samsung	MT6407-77A	
		1	RFS	DB-C1-12C-24AB-0Z	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	

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

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

Standard Conditions:

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

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

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

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

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

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

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

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

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

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

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

Analysis Results:

Component	Utilization %	Pass/Fail
Mount Pipe	*26.7%*	*Pass*
Grating Support	*8.5%*	*Pass*
Platform Crossmember	*15.1%*	*Pass*
Standoff Horizontal	*31.4%*	*Pass*
Corner Plate	*14.7%*	*Pass*
Cross Arm Plate	*54.2%*	*Pass*
Face Horizontal	*14.3%*	*Pass*
Support Rail	*16.1%*	*Pass*
Support Rail Corner	*31.6%*	*Pass*
Connection Check	*48.3%*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**54.2%**

Recommendation:

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

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

Attachments:

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

V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	OTHER	**Mapping Date:**	4/28/2021
Site Name:	TORRINGTON S CT	**Tower Type:**	Monopole
Site Number or ID:	467790	**Tower Height (Ft.):**	160
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	141.92

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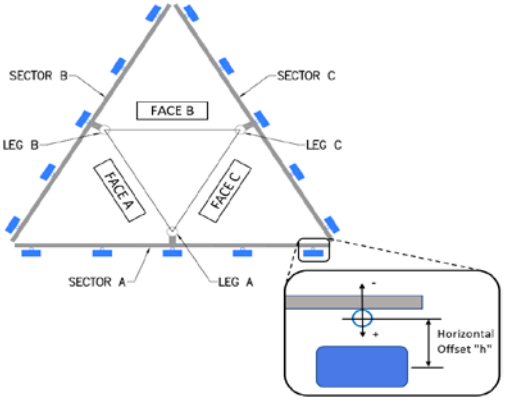
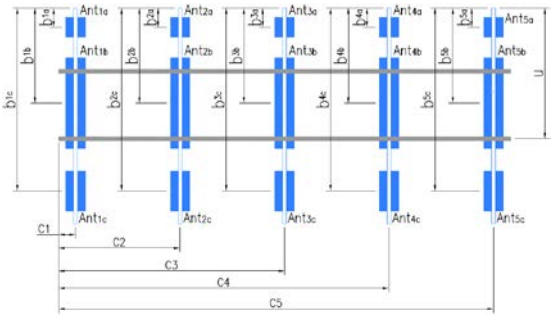
Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" E.H. PIPE X 72" LONG	40.00	8.00	C1	2" E.H. PIPE X 72" LONG	40.00	8.00
A2	2" E.H. PIPE X 72" LONG	40.00	76.00	C2	2" E.H. PIPE X 72" LONG	40.00	76.00
A3	2" E.H. PIPE X 72" LONG	40.00	127.00	C3	2" E.H. PIPE X 72" LONG	40.00	127.00
A4	2" E.H. PIPE X 72" LONG	40.00	151.00	C4	2" E.H. PIPE X 72" LONG	40.00	151.00
A5				C5			
A6				C6			
B1	2" E.H. PIPE X 72" LONG	40.00	8.00	D1			
B2	2" E.H. PIPE X 72" LONG	40.00	76.00	D2			
B3	2" E.H. PIPE X 72" LONG	40.00	127.00	D3			
B4	2" E.H. PIPE X 72" LONG	40.00	151.00	D4			
B5				D5			
B6				D6			

Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	2.83
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	6.58
Please enter additional infomation or comments below.	

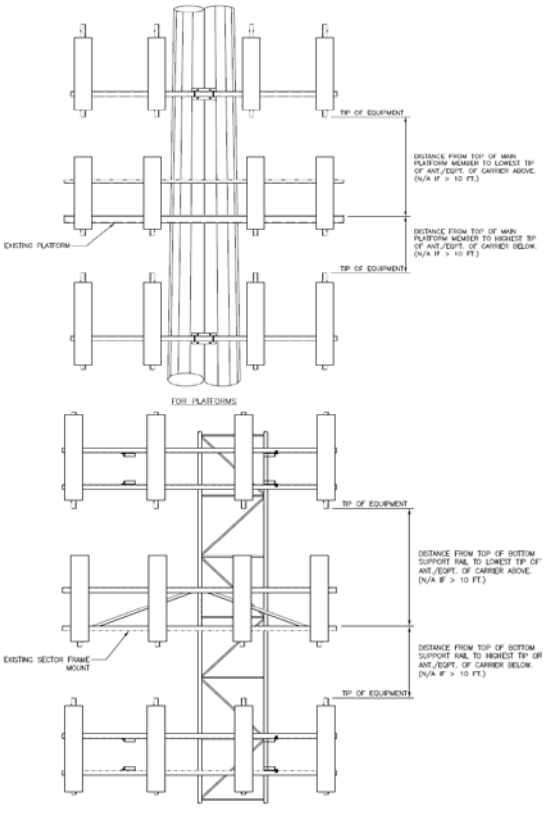
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	48
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.			0.375

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	SC-E 6014	8.50	8.50	43.00		142.92	28.00	16.00	345.00	57,61
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SLXW 5512	14.00	10.00	56.00		142.92	28.00	16.00	345.00	56,60
Ant_{2c}										
Ant_{3a}	(2) RFS DIPLEXER					142.753	30.00	0.00		
Ant_{3b}	BXA-171063-12BF	6.00	4.00	72.00		142.92	28.00	16.00	0.00	55,59
Ant_{3c}										48,55
Ant_{4a}										
Ant_{4b}	SC-E 6014	8.50	8.50	43.00		142.92	28.00	16.00	345.00	55,61
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

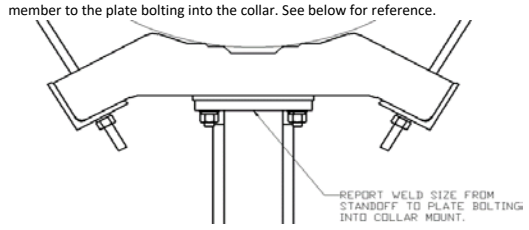
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	0.00	Deg	Leg A:		Deg
Sector B:	120.00	Deg	Leg B:		Deg
Sector C:	240.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	40.00	Deg	N/A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was unobstructed.
	Condition:		Good condition.

Please insert a photo of the mount centerline measurement here.



For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}	GPS ANTENNA					145.253				54
Ant_{1b}	UNKNOWN	15.00	15.00	71.00		142.92	28.00	16.00	140.00	54,61
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SLXW 5512	14.00	10.00	56.00		142.92	28.00	16.00	140.00	55,60
Ant_{2c}										
Ant_{3a}	(2) RFS DIPLEXER					142.753	30.00	0.00		
Ant_{3b}	BXA-171063-12BF	6.00	4.00	72.00		142.92	28.00	16.00	130.00	52,59
Ant_{3c}										48,52
Ant_{4a}										
Ant_{4b}	UNKNOWN	15.00	15.00	71.00		142.92	28.00	16.00	140.00	52,61
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	SC-E 6014	8.50	8.50	43.00		142.92	28.00	16.00	240.00	51,61
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SLXW 5512	14.00	10.00	56.00		142.92	28.00	16.00	250.00	50,60
Ant_{2c}										
Ant_{3a}	(2) RFS DIPLEXER					142.753	30.00	0.00		
Ant_{3b}	BXA-171063-12BF	6.00	4.00	72.00		142.92	28.00	16.00	240.00	49,59
Ant_{3c}										48,49
Ant_{4a}										
Ant_{4b}	SC-E 6014	8.50	8.50	43.00		142.92	28.00	16.00	240.00	49,61
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1		
2		
3		
4		
5		
6		
7		
8		

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

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

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

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	OTHER	**Mapping Date:**	4/28/2021
Site Name:	TORRINGTON S CT	**Tower Type:**	Monopole
Site Number or ID:	467790	**Tower Height (Ft.):**	160
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	**Mount Elevation (Ft.):**	141.92

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Please Insert Sketches of the Antenna Mount

5/3/2021

HUDSON Design Group LLC
45 BEECHWOOD DRIVE
NORTH ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

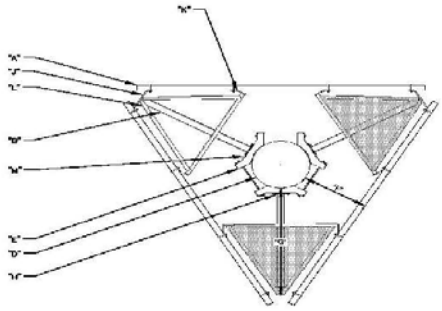
MOUNT MAPPING CHECKLIST

CARRIER:	COLLIER	SITE #:	Torrington S CT	SITE NAME:	
DATE:	4/28/2021	MAPPED BY:	JC	SITE OWNER:	CROWN CASTLE

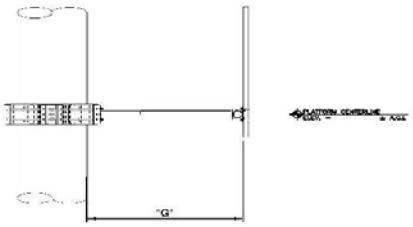
DESCRIPTION	STATUS	Value
A: FACE PIPE CONFIG.	☐	ROUND MAST
SIZE		3-1/2"
LENGTH		159"
B: STAND OFF SIZE	☐	4"x 4"
C: ANTENNA PIPE MAST	☐	3/16"
DIA.		2-3/8"
LENGTH		72"
D: MONOPOLE DIA.	☐	48"
E: RINGMOUNT	☐	10"x 3/8"
F: TOWER TO FACE	☐	33"
G: TOWER TO APEX	☐	69"
H: HARDWARE	☐	5/8"Ø
I: U-BOLTS	☐	1/2"Ø
J: A PLATE	☐	6"x 12"x 3-1/2"x 1/2"
K: B PLATE	☐	6"x 5-1/2"x 3"x 3/8"
L: ANGLE	☐	2"X2"X3/16"
M: MOUNTING PLATE	☐	10"x 10"x 5/8"
N: ALPHA POS 1	☐	SC-E 6014
ALPHA POS 2	☐	SLXW 5512
ALPHA POS 3	☐	BXA-171063-12BF
ALPHA POS 4	☐	SC-E 6014
ALPHA POS 5		
O: BETA POS 1	☐	15-15-71
BETA POS 2	☐	SLXW 5512
BETA POS 3	☐	BXA-171063-12BF
BETA POS 4	☐	15-15-71
BETA POS 5		
P: GAMMA POS 1	☐	SC-E 6014
GAMMA POS 2	☐	SLXW 5512
GAMMA POS 3	☐	BXA-171063-12BF
GAMMA POS 4	☐	SC-E 6014
GAMMA POS 5		
Q: TMA	☐	(6) RFS Diplexers
R: RADIOS	☐	
S: SURGE	☐	
T: SECOND MOUNT	☐	

COMMENTS:

Legend



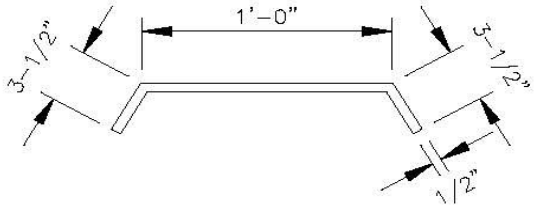
PLAN



ELEVATION

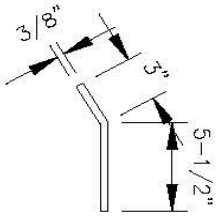
FACE SKETCH

Please Insert Sketches of the Antenna Mount, cont'd



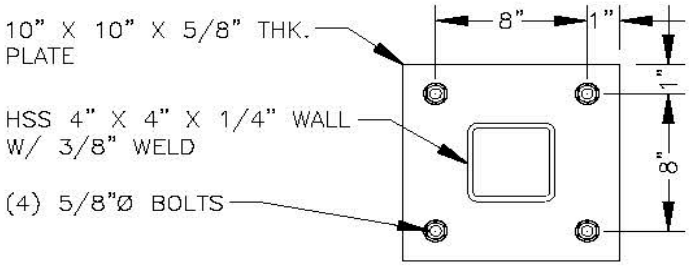
DETAIL J

APEX "A" PLATE DETAIL

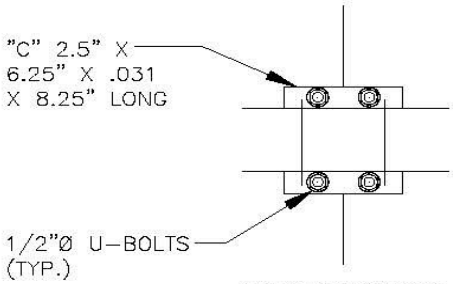


DETAIL K

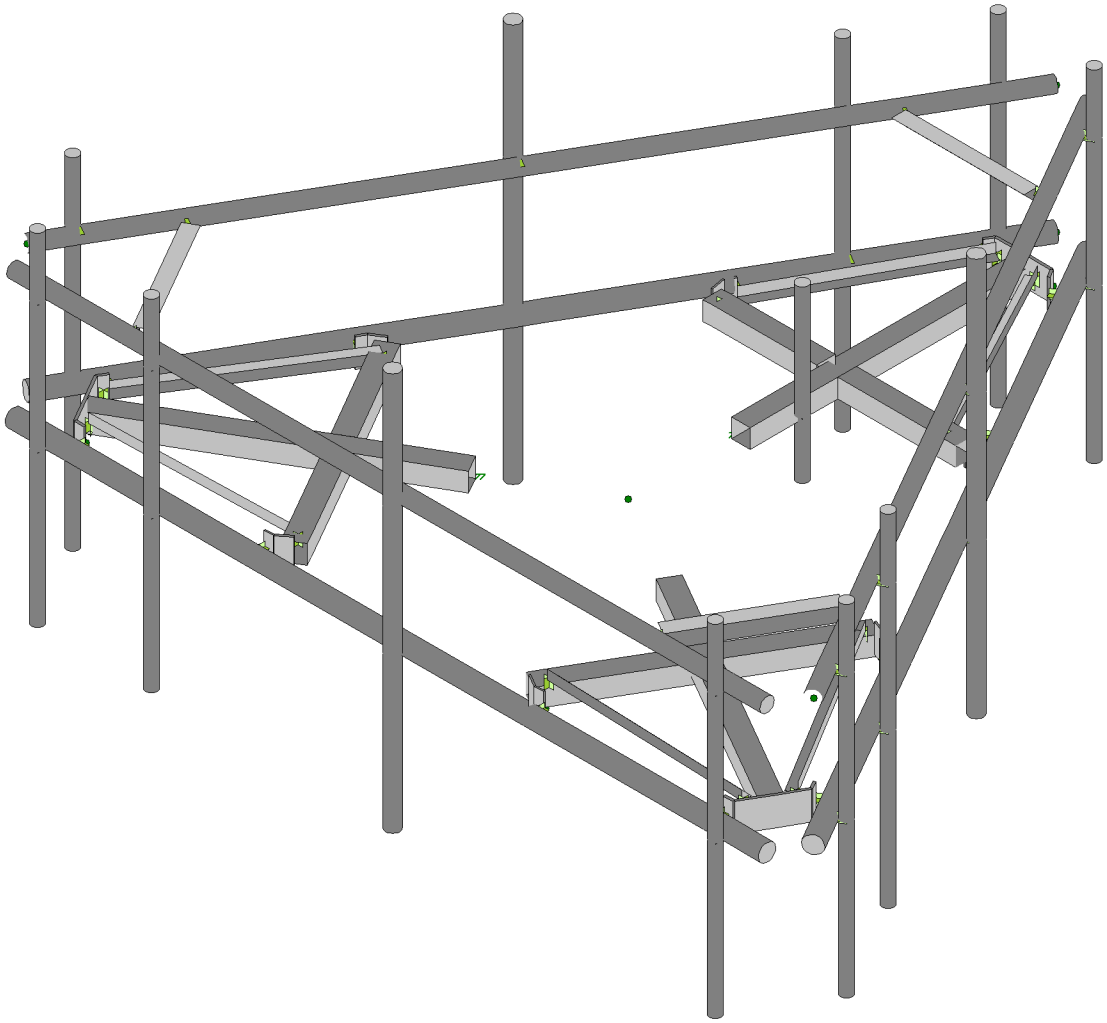
"B" PLATE DETAIL



DETAIL M

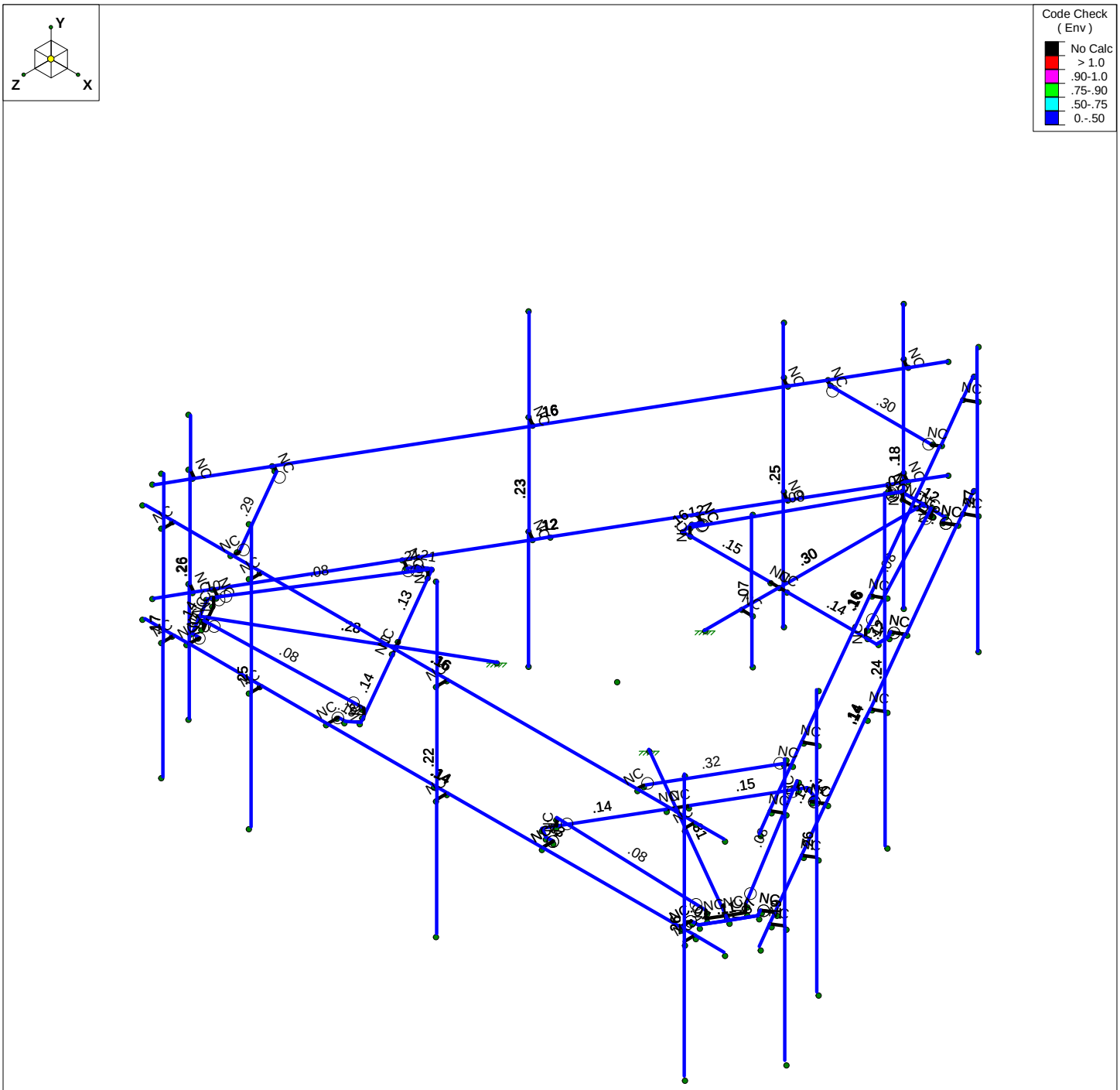


CROSSOVER PLATE DETAIL



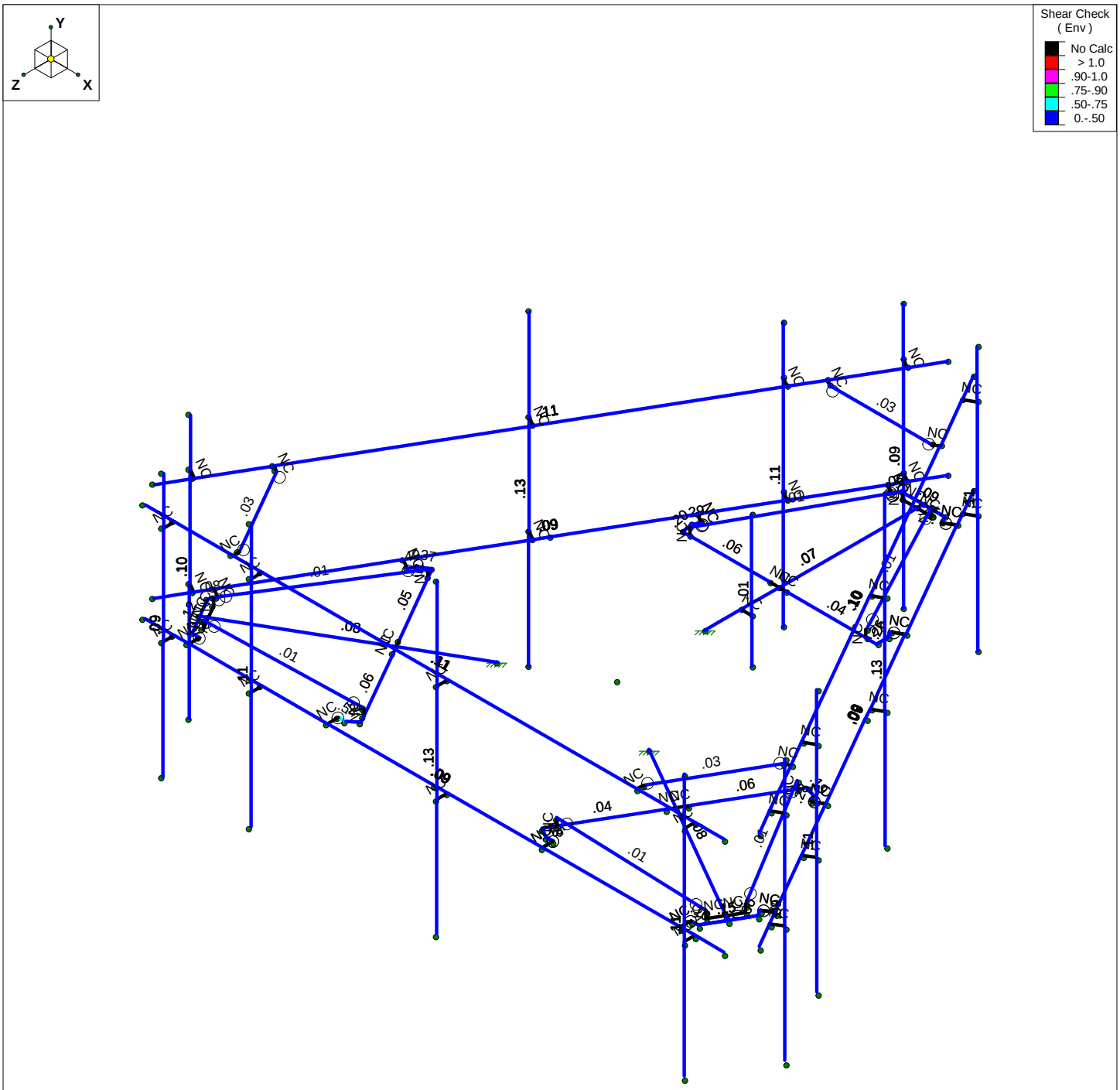
Envelope Only Solution

		SK - 1
		Aug 9, 2021 at 3:57 PM
		MOD_467790-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		Aug 9, 2021 at 3:57 PM
		MOD_467790-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		Aug 9, 2021 at 3:58 PM
		MOD_467790-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					93			
2	Antenna Di	None					93			
3	Antenna Wo (0 Deg)	None					93			
4	Antenna Wo (30 Deg)	None					93			
5	Antenna Wo (60 Deg)	None					93			
6	Antenna Wo (90 Deg)	None					93			
7	Antenna Wo (120 Deg)	None					93			
8	Antenna Wo (150 Deg)	None					93			
9	Antenna Wo (180 Deg)	None					93			
10	Antenna Wo (210 Deg)	None					93			
11	Antenna Wo (240 Deg)	None					93			
12	Antenna Wo (270 Deg)	None					93			
13	Antenna Wo (300 Deg)	None					93			
14	Antenna Wo (330 Deg)	None					93			
15	Antenna Wi (0 Deg)	None					93			
16	Antenna Wi (30 Deg)	None					93			
17	Antenna Wi (60 Deg)	None					93			
18	Antenna Wi (90 Deg)	None					93			
19	Antenna Wi (120 Deg)	None					93			
20	Antenna Wi (150 Deg)	None					93			
21	Antenna Wi (180 Deg)	None					93			
22	Antenna Wi (210 Deg)	None					93			
23	Antenna Wi (240 Deg)	None					93			
24	Antenna Wi (270 Deg)	None					93			
25	Antenna Wi (300 Deg)	None					93			
26	Antenna Wi (330 Deg)	None					93			
27	Antenna Wm (0 Deg)	None					93			
28	Antenna Wm (30 Deg)	None					93			
29	Antenna Wm (60 Deg)	None					93			
30	Antenna Wm (90 Deg)	None					93			
31	Antenna Wm (120 De...	None					93			
32	Antenna Wm (150 De...	None					93			
33	Antenna Wm (180 De...	None					93			
34	Antenna Wm (210 De...	None					93			
35	Antenna Wm (240 De...	None					93			
36	Antenna Wm (270 De...	None					93			
37	Antenna Wm (300 De...	None					93			
38	Antenna Wm (330 De...	None					93			
39	Structure D	None		-1					3	
40	Structure Di	None						72	3	
41	Structure Wo (0 Deg)	None						144		
42	Structure Wo (30 Deg)	None						144		
43	Structure Wo (60 Deg)	None						144		
44	Structure Wo (90 Deg)	None						144		
45	Structure Wo (120 D...	None						144		
46	Structure Wo (150 D...	None						144		
47	Structure Wo (180 D...	None						144		
48	Structure Wo (210 D...	None						144		
49	Structure Wo (240 D...	None						144		
50	Structure Wo (270 D...	None						144		
51	Structure Wo (300 D...	None						144		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
52	Structure Wo (330 D...	None						144		
53	Structure Wi (0 Deg)	None						144		
54	Structure Wi (30 Deg)	None						144		
55	Structure Wi (60 Deg)	None						144		
56	Structure Wi (90 Deg)	None						144		
57	Structure Wi (120 De...	None						144		
58	Structure Wi (150 De...	None						144		
59	Structure Wi (180 De...	None						144		
60	Structure Wi (210 De...	None						144		
61	Structure Wi (240 De...	None						144		
62	Structure Wi (270 De...	None						144		
63	Structure Wi (300 De...	None						144		
64	Structure Wi (330 De...	None						144		
65	Structure Wm (0 Deg)	None						144		
66	Structure Wm (30 D...	None						144		
67	Structure Wm (60 D...	None						144		
68	Structure Wm (90 D...	None						144		
69	Structure Wm (120 ...	None						144		
70	Structure Wm (150 ...	None						144		
71	Structure Wm (180 ...	None						144		
72	Structure Wm (210 ...	None						144		
73	Structure Wm (240 ...	None						144		
74	Structure Wm (270 ...	None						144		
75	Structure Wm (300 ...	None						144		
76	Structure Wm (330 ...	None						144		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	BLC 39 Transient Are...	None						27		
82	BLC 40 Transient Are...	None						27		

Load Combinations

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

Load Combinations (Continued)

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

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	CP	0	0	0	0	
2	N2	0.	0	4.166667	0	
3	N3	6.625	0	4.166667	0	
4	N4	-6.625	0	4.166667	0	
5	N6	3.608439	0	-2.083333	0	
6	N7	0.295939	0	-7.820752	0	
7	N8	6.920939	0	3.654085	0	
8	N10	-3.608439	0	-2.083333	0	
9	N11	-6.920939	0	3.654085	0	
10	N12	-0.295939	0	-7.820752	0	
11	N11A	-5.625	0	4.166667	0	
12	N12A	5.625	0	4.166667	0	
13	N13	2.458333	0	4.166667	0	
14	N14	-2.458333	0	4.166667	0	
15	N15	-5.625	0	3.916667	0	
16	N16	5.625	0	3.916667	0	
17	N17	2.458333	0	3.916667	0	
18	N18	-2.458333	0	3.916667	0	
19	N19	-5.791667	0	3.916667	0	
20	N20	5.791667	0	3.916667	0	
21	N21	-2.291667	0	3.916667	0	
22	N22	2.291667	0	3.916667	0	
23	N23	-2.100156	0	3.75597	0	
24	N24	2.07516	0	3.791667	0	
25	N26	6.420939	0	2.78806	0	
26	N27	0.795939	0	-6.954726	0	
27	N28	2.379273	0	-4.212312	0	
28	N29	4.837606	0	0.045646	0	
29	N30	6.204433	0	2.91306	0	
30	N31	0.579433	0	-6.829726	0	
31	N32	2.162766	0	-4.087312	0	
32	N33	4.621099	0	0.170646	0	
33	N34	6.287766	0	3.057397	0	
34	N35	0.496099	0	-6.974064	0	
35	N36	4.537766	0	0.026308	0	
36	N37	2.246099	0	-3.942975	0	
37	N38	4.302843	0	-0.059197	0	
38	N39	2.246099	0	-3.692975	0	
39	N41	-0.795939	0	-6.954726	0	
40	N42	-6.420939	0	2.78806	0	
41	N43	-4.837606	0	0.045646	0	
42	N44	-2.379273	0	-4.212312	0	
43	N45	-0.579433	0	-6.829726	0	
44	N46	-6.204433	0	2.91306	0	
45	N47	-4.621099	0	0.170646	0	
46	N48	-2.162766	0	-4.087312	0	
47	N49	-0.496099	0	-6.974064	0	
48	N50	-6.287766	0	3.057397	0	
49	N51	-2.246099	0	-3.942975	0	
50	N52	-4.537766	0	0.026308	0	
51	N53	-2.202687	0	-3.696773	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N54	-4.32126	0	-0.098692	0	
53	N58	-0.	0	-2	0	
54	N60	-1.732051	0	1	0	
55	N62	1.732051	0	1	0	
56	N61	-6.039716	0	3.487032	0	
57	N57	-3.199871	0	1.847446	0	
58	N58A	-2.183366	0	3.611561	0	
59	N59	-3.098676	0	2.023066	0	
60	N60A	-4.198392	0	0.114542	0	
61	N61A	-3.283081	0	1.703038	0	
62	N62A	-5.91784	0	3.416667	0	
63	N63	-6.084507	0	3.127992	0	
64	N64	-5.751174	0	3.705342	0	
65	N65	-2.183366	0.166667	3.611561	0	
66	N66	-4.198392	0.166667	0.114542	0	
67	N67	-6.084507	0.166667	3.127992	0	
68	N68	-5.751174	0.166667	3.705342	0	
69	N85	6.039716	0	3.487032	0	
70	N86	3.199871	0	1.847446	0	
71	N87	4.219386	0	0.08507	0	
72	N88	3.301365	0	1.672	0	
73	N89	2.198392	0	3.578643	0	
74	N90	3.116414	0	1.991713	0	
75	N91	5.91784	0	3.416667	0	
76	N92	5.751174	0	3.705342	0	
77	N93	6.084507	0	3.127992	0	
78	N94	4.219386	0.166667	0.08507	0	
79	N95	2.198392	0.166667	3.578643	0	
80	N96	5.751174	0.166667	3.705342	0	
81	N97	6.084507	0.166667	3.127992	0	
82	N114	-0.	0	-6.974064	0	
83	N115	-0.	0	-3.694892	0	
84	N116	-2.036021	0	-3.696631	0	
85	N117	-0.202688	0	-3.695065	0	
86	N118	1.999999	0	-3.693185	0	
87	N119	0.166667	0	-3.69475	0	
88	N120	-0.	0	-6.833333	0	
89	N121	0.333333	0	-6.833333	0	
90	N122	-0.333333	0	-6.833333	0	
91	N123	-2.036021	0.166667	-3.696631	0	
92	N124	1.999999	0.166667	-3.693185	0	
93	N125	0.333333	0.166667	-6.833333	0	
94	N126	-0.333333	0.166667	-6.833333	0	
95	N95A	5.958333	0	4.166667	0	
96	N96A	0.291667	0	4.166667	0	
97	N97A	-3.958333	0	4.166667	0	
98	N98	-5.958333	0	4.166667	0	
99	N99	5.958333	0	4.416667	0	
100	N100	0.291667	0	4.416667	0	
101	N101	-3.958333	0	4.416667	0	
102	N102	-5.958333	0	4.416667	0	
103	N103	5.958333	3.333333	4.416667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N104	0.291667	4.333333	4.416667	0	
105	N105	-3.958333	3.333333	4.416667	0	
106	N106	-5.958333	3.333333	4.416667	0	
107	N107	5.958333	-2.666667	4.416667	0	
108	N108	0.291667	-2.666667	4.416667	0	
109	N109	-3.958333	-2.666667	4.416667	0	
110	N110	-5.958333	-2.666667	4.416667	0	
111	N112	0.629273	0	-7.243401	0	
112	N113	3.462606	0	-2.335924	0	
113	N114A	5.587606	0	1.344684	0	
114	N115A	6.587606	0	3.076735	0	
115	N116A	0.845779	0	-7.368401	0	
116	N117A	3.679112	0	-2.460924	0	
117	N118A	5.804112	0	1.219684	0	
118	N119A	6.804112	0	2.951735	0	
119	N120A	0.845779	3.333333	-7.368401	0	
120	N121A	3.679112	4.333333	-2.460924	0	
121	N122A	5.804112	3.333333	1.219684	0	
122	N123A	6.804112	3.333333	2.951735	0	
123	N124A	0.845779	-2.666667	-7.368401	0	
124	N125A	3.679112	-2.666667	-2.460924	0	
125	N126A	5.804112	-2.666667	1.219684	0	
126	N127	6.804112	-2.666667	2.951735	0	
127	N129	-6.587606	0	3.076735	0	
128	N130	-3.754273	0	-1.830743	0	
129	N131	-1.629273	0	-5.511351	0	
130	N132	-0.629273	0	-7.243401	0	
131	N133	-6.804112	0	2.951735	0	
132	N134	-3.970779	0	-1.955743	0	
133	N135	-1.845779	0	-5.636351	0	
134	N136	-0.845779	0	-7.368401	0	
135	N137	-6.804112	3.333333	2.951735	0	
136	N138	-3.970779	4.333333	-1.955743	0	
137	N139	-1.845779	3.333333	-5.636351	0	
138	N140	-0.845779	3.333333	-7.368401	0	
139	N141	-6.804112	-2.666667	2.951735	0	
140	N142	-3.970779	-2.666667	-1.955743	0	
141	N143	-1.845779	-2.666667	-5.636351	0	
142	N144	-0.845779	-2.666667	-7.368401	0	
143	N143A	-0.	0	-2.833333	0	
144	N144A	.25	0	-2.833333	0	
145	N145	.25	2	-2.833333	0	
146	N146	.25	-1	-2.833333	0	
147	N147	6.625	2.25	4.166667	0	
148	N148	-6.625	2.25	4.166667	0	
149	N149	5.958333	2.25	4.166667	0	
150	N150	0.291667	2.25	4.166667	0	
151	N151	-3.958333	2.25	4.166667	0	
152	N152	-5.958333	2.25	4.166667	0	
153	N153	5.958333	2.25	4.416667	0	
154	N154	0.291667	2.25	4.416667	0	
155	N155	-3.958333	2.25	4.416667	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N156	-5.958333	2.25	4.416667	0	
157	N157	-4.625	2.25	4.166667	0	
158	N158	-4.625	2.25	4.016667	0	
159	N159	4.625	2.25	4.166667	0	
160	N160	4.625	2.25	4.016667	0	
161	N161	0.295939	2.25	-7.820752	0	
162	N162	6.920939	2.25	3.654085	0	
163	N163	0.629273	2.25	-7.243401	0	
164	N164	3.462606	2.25	-2.335924	0	
165	N165	5.587606	2.25	1.344684	0	
166	N166	6.587606	2.25	3.076735	0	
167	N167	0.845779	2.25	-7.368401	0	
168	N168	3.679112	2.25	-2.460924	0	
169	N169	5.804112	2.25	1.219684	0	
170	N170	6.804112	2.25	2.951735	0	
171	N171	5.920939	2.25	1.922034	0	
172	N172	5.791035	2.25	1.997034	0	
173	N173	1.295939	2.25	-6.088701	0	
174	N174	1.166035	2.25	-6.013701	0	
175	N175	-6.920939	2.25	3.654085	0	
176	N176	-0.295939	2.25	-7.820752	0	
177	N177	-6.587606	2.25	3.076735	0	
178	N178	-3.754273	2.25	-1.830743	0	
179	N179	-1.629273	2.25	-5.511351	0	
180	N180	-0.629273	2.25	-7.243401	0	
181	N181	-6.804112	2.25	2.951735	0	
182	N182	-3.970779	2.25	-1.955743	0	
183	N183	-1.845779	2.25	-5.636351	0	
184	N184	-0.845779	2.25	-7.368401	0	
185	N185	-1.295939	2.25	-6.088701	0	
186	N186	-1.166035	2.25	-6.013701	0	
187	N187	-5.920939	2.25	1.922034	0	
188	N188	-5.791035	2.25	1.997034	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Ru...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
3	Corner Plate	PL1/2X6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Crossme...	HSS4X4X4	Beam	SquareTube	A500 Gr.B ...	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
7	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	OVP Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
11	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

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

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N4	N3			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M2	N8	N7			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
3	M3	N12	N11			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
4	M4	N11A	N15			RIGID	None	None	RIGID	Typical
5	M5	N14	N18			RIGID	None	None	RIGID	Typical
6	M6	N13	N17			RIGID	None	None	RIGID	Typical
7	M7	N12A	N16			RIGID	None	None	RIGID	Typical
8	M8	N15	N19			Corner Plate	Beam	RECT	A36 Gr.36	Typical
9	M9	N16	N20			Corner Plate	Beam	RECT	A36 Gr.36	Typical
10	M10	N17	N22			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
11	M11	N18	N21			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
12	M12	N21	N23			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
13	M13	N22	N24			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
14	M14	N26	N30			RIGID	None	None	RIGID	Typical
15	M15	N29	N33			RIGID	None	None	RIGID	Typical
16	M16	N28	N32			RIGID	None	None	RIGID	Typical
17	M17	N27	N31			RIGID	None	None	RIGID	Typical
18	M18	N30	N34			Corner Plate	Beam	RECT	A36 Gr.36	Typical
19	M19	N31	N35			Corner Plate	Beam	RECT	A36 Gr.36	Typical
20	M20	N32	N37			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M21	N33	N36			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M22	N36	N38			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M23	N37	N39			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
24	M24	N41	N45			RIGID	None	None	RIGID	Typical
25	M25	N44	N48			RIGID	None	None	RIGID	Typical
26	M26	N43	N47			RIGID	None	None	RIGID	Typical
27	M27	N42	N46			RIGID	None	None	RIGID	Typical
28	M28	N45	N49			Corner Plate	Beam	RECT	A36 Gr.36	Typical
29	M29	N46	N50			Corner Plate	Beam	RECT	A36 Gr.36	Typical
30	M30	N47	N52			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
31	M31	N48	N51			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
32	M32	N51	N53			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
33	M33	N52	N54			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
34	M34	N19	N50			Corner Plate	Beam	RECT	A36 Gr.36	Typical
35	M35	N20	N34			Corner Plate	Beam	RECT	A36 Gr.36	Typical
36	M36	N35	N49			Corner Plate	Beam	RECT	A36 Gr.36	Typical
37	M41	N60	N61			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
38	M39	N57	N61A			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
39	M39A	N23	N59			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
40	M40	N59	N57			RIGID	None	None	RIGID	Typical
41	M41A	N61A	N54			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
42	M42	N64	N62A			RIGID	None	None	RIGID	Typical
43	M43	N62A	N63			RIGID	None	None	RIGID	Typical
44	M44	N64	N68			RIGID	None	None	RIGID	Typical
45	M45	N63	N67			RIGID	None	None	RIGID	Typical
46	M46	N58A	N65			RIGID	None	None	RIGID	Typical
47	M47	N60A	N66			RIGID	None	None	RIGID	Typical
48	M48	N65	N68			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
49	M49	N66	N67		90	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
50	M50	N26	N30			RIGID	None	None	RIGID	Typical
51	M51	N29	N33			RIGID	None	None	RIGID	Typical
52	M52	N30	N34			Corner Plate	Beam	RECT	A36 Gr.36	Typical
53	M53	N33	N36			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
54	M54	N36	N38			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
55	M55	N13	N17			RIGID	None	None	RIGID	Typical
56	M56	N12A	N16			RIGID	None	None	RIGID	Typical
57	M57	N16	N20			Corner Plate	Beam	RECT	A36 Gr.36	Typical
58	M58	N17	N22			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
59	M59	N22	N24			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
60	M60	N34	N20			Corner Plate	Beam	RECT	A36 Gr.36	Typical
61	M61	N62	N85			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
62	M62	N86	N90			RIGID	None	None	RIGID	Typical
63	M63	N38	N88			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
64	M64	N88	N86			RIGID	None	None	RIGID	Typical
65	M65	N90	N24			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
66	M66	N93	N91			RIGID	None	None	RIGID	Typical
67	M67	N91	N92			RIGID	None	None	RIGID	Typical
68	M68	N93	N97			RIGID	None	None	RIGID	Typical
69	M69	N92	N96			RIGID	None	None	RIGID	Typical
70	M70	N87	N94			RIGID	None	None	RIGID	Typical
71	M71	N89	N95			RIGID	None	None	RIGID	Typical
72	M72	N94	N97			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
73	M73	N95	N96		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
74	M74	N41	N45			RIGID	None	None	RIGID	Typical
75	M75	N44	N48			RIGID	None	None	RIGID	Typical
76	M76	N45	N49			Corner Plate	Beam	RECT	A36 Gr.36	Typical
77	M77	N48	N51			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
78	M78	N51	N53			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
79	M79	N28	N32			RIGID	None	None	RIGID	Typical
80	M80	N27	N31			RIGID	None	None	RIGID	Typical
81	M81	N31	N35			Corner Plate	Beam	RECT	A36 Gr.36	Typical
82	M82	N32	N37			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
83	M83	N37	N39			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
84	M84	N49	N35			Corner Plate	Beam	RECT	A36 Gr.36	Typical
85	M85	N58	N114			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
86	M86	N115	N119			RIGID	None	None	RIGID	Typical
87	M87	N53	N117			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
88	M88	N117	N115			RIGID	None	None	RIGID	Typical
89	M89	N119	N39			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
90	M90	N122	N120			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
91	M91	N120	N121			RIGID	None	None	RIGID	Typical
92	M92	N122	N126			RIGID	None	None	RIGID	Typical
93	M93	N121	N125			RIGID	None	None	RIGID	Typical
94	M94	N116	N123			RIGID	None	None	RIGID	Typical
95	M95	N118	N124			RIGID	None	None	RIGID	Typical
96	M96	N123	N126			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
97	M97	N124	N125		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
98	M98	N95A	N99			RIGID	None	None	RIGID	Typical
99	M99	N96A	N100			RIGID	None	None	RIGID	Typical
100	M100	N97A	N101			RIGID	None	None	RIGID	Typical
101	M101	N98	N102			RIGID	None	None	RIGID	Typical
102	MP1A	N103	N107			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	MP2A	N104	N108			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	MP3A	N105	N109			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	MP4A	N106	N110			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M106	N112	N116A			RIGID	None	None	RIGID	Typical
107	M107	N113	N117A			RIGID	None	None	RIGID	Typical
108	M108	N114A	N118A			RIGID	None	None	RIGID	Typical
109	M109	N115A	N119A			RIGID	None	None	RIGID	Typical
110	MP1C	N120A	N124A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
111	MP2C	N121A	N125A			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	MP3C	N122A	N126A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
113	MP4C	N123A	N127			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
114	M114	N129	N133			RIGID	None	None	RIGID	Typical
115	M115	N130	N134			RIGID	None	None	RIGID	Typical
116	M116	N131	N135			RIGID	None	None	RIGID	Typical
117	M117	N132	N136			RIGID	None	None	RIGID	Typical
118	MP1B	N137	N141			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
119	MP2B	N138	N142			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
120	MP3B	N139	N143			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
121	MP4B	N140	N144			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
122	M122	N145	N146			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
123	M123	N143A	N144A			RIGID	None	None	RIGID	Typical
124	M124	N148	N147			Support Rail	Beam	Pipe	A53 Gr.B	Typical
125	M125	N149	N153			RIGID	None	None	RIGID	Typical
126	M126	N150	N154			RIGID	None	None	RIGID	Typical
127	M127	N151	N155			RIGID	None	None	RIGID	Typical
128	M128	N152	N156			RIGID	None	None	RIGID	Typical
129	M129	N157	N158			RIGID	None	None	RIGID	Typical
130	M130	N159	N160			RIGID	None	None	RIGID	Typical
131	M131	N162	N161			Support Rail	Beam	Pipe	A53 Gr.B	Typical
132	M132	N163	N167			RIGID	None	None	RIGID	Typical
133	M133	N164	N168			RIGID	None	None	RIGID	Typical
134	M134	N165	N169			RIGID	None	None	RIGID	Typical
135	M135	N166	N170			RIGID	None	None	RIGID	Typical
136	M136	N171	N172			RIGID	None	None	RIGID	Typical
137	M137	N173	N174			RIGID	None	None	RIGID	Typical
138	M138	N176	N175			Support Rail	Beam	Pipe	A53 Gr.B	Typical
139	M139	N177	N181			RIGID	None	None	RIGID	Typical
140	M140	N178	N182			RIGID	None	None	RIGID	Typical
141	M141	N179	N183			RIGID	None	None	RIGID	Typical
142	M142	N180	N184			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
143	M143	N185	N186			RIGID	None	None	RIGID	Typical
144	M144	N187	N188			RIGID	None	None	RIGID	Typical
145	M145	N158	N188		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
146	M146	N186	N174		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical
147	M147	N172	N160		90	Support Rail C...	Beam	Single Angle	A36 Gr.36	Typical

Hot Rolled Steel Design Parameters

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
1	M1	Face Horizo...	13.25			Lbyy						Lateral
2	M2	Face Horizo...	13.25			Lbyy						Lateral
3	M3	Face Horizo...	13.25			Lbyy						Lateral
4	M8	Corner Plate	.167			Lbyy						Lateral
5	M9	Corner Plate	.167			Lbyy						Lateral
6	M10	Cross Arm ...	.167									Lateral
7	M11	Cross Arm ...	.167									Lateral
8	M12	Cross Arm ...	.25									Lateral
9	M13	Cross Arm ...	.25									Lateral
10	M18	Corner Plate	.167			Lbyy						Lateral
11	M19	Corner Plate	.167			Lbyy						Lateral
12	M20	Cross Arm ...	.167									Lateral
13	M21	Cross Arm ...	.167									Lateral
14	M22	Cross Arm ...	.25									Lateral
15	M23	Cross Arm ...	.25									Lateral
16	M28	Corner Plate	.167			Lbyy						Lateral
17	M29	Corner Plate	.167			Lbyy						Lateral
18	M30	Cross Arm ...	.167									Lateral
19	M31	Cross Arm ...	.167									Lateral
20	M32	Cross Arm ...	.25									Lateral
21	M33	Cross Arm ...	.25									Lateral
22	M34	Corner Plate	.992			Lbyy						Lateral
23	M35	Corner Plate	.992			Lbyy						Lateral
24	M36	Corner Plate	.992			Lbyy						Lateral
25	M41	Standoff Ho...	4.974			Lbyy						Lateral
26	M39A	Platform Cr...	2			Lbyy						Lateral
27	M41A	Platform Cr...	2.079			Lbyy						Lateral
28	M48	Grating Sup...	3.569			Lbyy						Lateral
29	M49	Grating Sup...	3.555			Lbyy						Lateral
30	M52	Corner Plate	.167			Lbyy						Lateral
31	M53	Cross Arm ...	.167									Lateral
32	M54	Cross Arm ...	.25									Lateral
33	M57	Corner Plate	.167			Lbyy						Lateral
34	M58	Cross Arm ...	.167									Lateral
35	M59	Cross Arm ...	.25									Lateral
36	M60	Corner Plate	.992			Lbyy						Lateral
37	M61	Standoff Ho...	4.974			Lbyy						Lateral
38	M63	Platform Cr...	2			Lbyy						Lateral
39	M65	Platform Cr...	2.079			Lbyy						Lateral
40	M72	Grating Sup...	3.569			Lbyy						Lateral
41	M73	Grating Sup...	3.555			Lbyy						Lateral
42	M76	Corner Plate	.167			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[ft]	Lbyy[ft]	Lbzz[ft]	Lcomp top[ft]	Lcomp bot[ft]	L-torqu...	Kyy	Kzz	Cb	Function
43	M77	Cross Arm ...	.167									Lateral
44	M78	Cross Arm ...	.25									Lateral
45	M81	Corner Plate	.167			Lbyy						Lateral
46	M82	Cross Arm ...	.167									Lateral
47	M83	Cross Arm ...	.25									Lateral
48	M84	Corner Plate	.992			Lbyy						Lateral
49	M85	Standoff Ho...	4.974			Lbyy						Lateral
50	M87	Platform Cr...	2			Lbyy						Lateral
51	M89	Platform Cr...	2.079			Lbyy						Lateral
52	M96	Grating Sup...	3.569			Lbyy						Lateral
53	M97	Grating Sup...	3.555			Lbyy						Lateral
54	MP1A	Mount Pipe	6									Lateral
55	MP2A	Dual Mount ...	7									Lateral
56	MP3A	Mount Pipe	6									Lateral
57	MP4A	Mount Pipe	6									Lateral
58	MP1C	Mount Pipe	6									Lateral
59	MP2C	Dual Mount ...	7									Lateral
60	MP3C	Mount Pipe	6									Lateral
61	MP4C	Mount Pipe	6									Lateral
62	MP1B	Mount Pipe	6									Lateral
63	MP2B	Dual Mount ...	7									Lateral
64	MP3B	Mount Pipe	6									Lateral
65	MP4B	Mount Pipe	6									Lateral
66	M122	OVP Pipe	3									Lateral
67	M124	Support Rail	13.25			Lbyy						Lateral
68	M131	Support Rail	13.25			Lbyy						Lateral
69	M138	Support Rail	13.25			Lbyy						Lateral
70	M145	Support Rail...	2.332			Lbyy						Lateral
71	M146	Support Rail...	2.332			Lbyy						Lateral
72	M147	Support Rail...	2.332			Lbyy						Lateral

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-2.45	1.25
2	MP3A	My	-.001	1.25
3	MP3A	Mz	0	1.25
4	MP3A	Y	-2.45	3.25
5	MP3A	My	-.001	3.25
6	MP3A	Mz	0	3.25
7	MP3B	Y	-2.45	1.25
8	MP3B	My	.000787	1.25
9	MP3B	Mz	-.000938	1.25
10	MP3B	Y	-2.45	3.25
11	MP3B	My	.000787	3.25
12	MP3B	Mz	-.000938	3.25
13	MP3C	Y	-2.45	1.25
14	MP3C	My	.000419	1.25
15	MP3C	Mz	.001	1.25
16	MP3C	Y	-2.45	3.25
17	MP3C	My	.000419	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mz	.001	3.25
19	MP2A	Y	-32.5	.25
20	MP2A	My	-.016	.25
21	MP2A	Mz	.019	.25
22	MP2A	Y	-32.5	4.25
23	MP2A	My	-.016	4.25
24	MP2A	Mz	.019	4.25
25	MP2B	Y	-32.5	.25
26	MP2B	My	-.004	.25
27	MP2B	Mz	-.025	.25
28	MP2B	Y	-32.5	4.25
29	MP2B	My	-.004	4.25
30	MP2B	Mz	-.025	4.25
31	MP2C	Y	-32.5	.25
32	MP2C	My	.023	.25
33	MP2C	Mz	.009	.25
34	MP2C	Y	-32.5	4.25
35	MP2C	My	.023	4.25
36	MP2C	Mz	.009	4.25
37	MP2A	Y	-32.5	.25
38	MP2A	My	-.016	.25
39	MP2A	Mz	-.019	.25
40	MP2A	Y	-32.5	4.25
41	MP2A	My	-.016	4.25
42	MP2A	Mz	-.019	4.25
43	MP2B	Y	-32.5	.25
44	MP2B	My	.025	.25
45	MP2B	Mz	-.000262	.25
46	MP2B	Y	-32.5	4.25
47	MP2B	My	.025	4.25
48	MP2B	Mz	-.000262	4.25
49	MP2C	Y	-32.5	.25
50	MP2C	My	-.012	.25
51	MP2C	Mz	.022	.25
52	MP2C	Y	-32.5	4.25
53	MP2C	My	-.012	4.25
54	MP2C	Mz	.022	4.25
55	MP1A	Y	-43.55	1.25
56	MP1A	My	-.022	1.25
57	MP1A	Mz	0	1.25
58	MP1A	Y	-43.55	3.25
59	MP1A	My	-.022	3.25
60	MP1A	Mz	0	3.25
61	MP1B	Y	-43.55	1.25
62	MP1B	My	.014	1.25
63	MP1B	Mz	-.017	1.25
64	MP1B	Y	-43.55	3.25
65	MP1B	My	.014	3.25
66	MP1B	Mz	-.017	3.25
67	MP1C	Y	-43.55	1.25
68	MP1C	My	.011	1.25
69	MP1C	Mz	.019	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
70	MP1C	Y	-43.55	3.25
71	MP1C	My	.011	3.25
72	MP1C	Mz	.019	3.25
73	M122	Y	-32	1
74	M122	My	0	1
75	M122	Mz	0	1
76	MP2A	Y	-84.4	1
77	MP2A	My	.042	1
78	MP2A	Mz	0	1
79	MP2B	Y	-84.4	1
80	MP2B	My	-.027	1
81	MP2B	Mz	.032	1
82	MP2C	Y	-84.4	1
83	MP2C	My	-.014	1
84	MP2C	Mz	-.04	1
85	MP3A	Y	-70.3	1
86	MP3A	My	.035	1
87	MP3A	Mz	0	1
88	MP3B	Y	-70.3	1
89	MP3B	My	-.023	1
90	MP3B	Mz	.027	1
91	MP3C	Y	-70.3	1
92	MP3C	My	-.012	1
93	MP3C	Mz	-.033	1

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-18.653	1.25
2	MP3A	My	-.009	1.25
3	MP3A	Mz	0	1.25
4	MP3A	Y	-18.653	3.25
5	MP3A	My	-.009	3.25
6	MP3A	Mz	0	3.25
7	MP3B	Y	-18.653	1.25
8	MP3B	My	.006	1.25
9	MP3B	Mz	-.007	1.25
10	MP3B	Y	-18.653	3.25
11	MP3B	My	.006	3.25
12	MP3B	Mz	-.007	3.25
13	MP3C	Y	-18.653	1.25
14	MP3C	My	.003	1.25
15	MP3C	Mz	.009	1.25
16	MP3C	Y	-18.653	3.25
17	MP3C	My	.003	3.25
18	MP3C	Mz	.009	3.25
19	MP2A	Y	-68.962	.25
20	MP2A	My	-.034	.25
21	MP2A	Mz	.04	.25
22	MP2A	Y	-68.962	4.25
23	MP2A	My	-.034	4.25
24	MP2A	Mz	.04	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	Y	-68.962	.25
26	MP2B	My	-.009	.25
27	MP2B	Mz	-.052	.25
28	MP2B	Y	-68.962	4.25
29	MP2B	My	-.009	4.25
30	MP2B	Mz	-.052	4.25
31	MP2C	Y	-68.962	.25
32	MP2C	My	.05	.25
33	MP2C	Mz	.019	.25
34	MP2C	Y	-68.962	4.25
35	MP2C	My	.05	4.25
36	MP2C	Mz	.019	4.25
37	MP2A	Y	-68.962	.25
38	MP2A	My	-.034	.25
39	MP2A	Mz	-.04	.25
40	MP2A	Y	-68.962	4.25
41	MP2A	My	-.034	4.25
42	MP2A	Mz	-.04	4.25
43	MP2B	Y	-68.962	.25
44	MP2B	My	.053	.25
45	MP2B	Mz	-.000556	.25
46	MP2B	Y	-68.962	4.25
47	MP2B	My	.053	4.25
48	MP2B	Mz	-.000556	4.25
49	MP2C	Y	-68.962	.25
50	MP2C	My	-.026	.25
51	MP2C	Mz	.046	.25
52	MP2C	Y	-68.962	4.25
53	MP2C	My	-.026	4.25
54	MP2C	Mz	.046	4.25
55	MP1A	Y	-35.636	1.25
56	MP1A	My	-.018	1.25
57	MP1A	Mz	0	1.25
58	MP1A	Y	-35.636	3.25
59	MP1A	My	-.018	3.25
60	MP1A	Mz	0	3.25
61	MP1B	Y	-35.636	1.25
62	MP1B	My	.011	1.25
63	MP1B	Mz	-.014	1.25
64	MP1B	Y	-35.636	3.25
65	MP1B	My	.011	3.25
66	MP1B	Mz	-.014	3.25
67	MP1C	Y	-35.636	1.25
68	MP1C	My	.009	1.25
69	MP1C	Mz	.015	1.25
70	MP1C	Y	-35.636	3.25
71	MP1C	My	.009	3.25
72	MP1C	Mz	.015	3.25
73	M122	Y	-87.967	1
74	M122	My	0	1
75	M122	Mz	0	1
76	MP2A	Y	-44.929	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP2A	My	.022	1
78	MP2A	Mz	0	1
79	MP2B	Y	-44.929	1
80	MP2B	My	-.014	1
81	MP2B	Mz	.017	1
82	MP2C	Y	-44.929	1
83	MP2C	My	-.008	1
84	MP2C	Mz	-.021	1
85	MP3A	Y	-40.405	1
86	MP3A	My	.02	1
87	MP3A	Mz	0	1
88	MP3B	Y	-40.405	1
89	MP3B	My	-.013	1
90	MP3B	Mz	.015	1
91	MP3C	Y	-40.405	1
92	MP3C	My	-.007	1
93	MP3C	Mz	-.019	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-33.616	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-33.616	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-22.639	1.25
9	MP3B	Mx	.009	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-22.639	3.25
12	MP3B	Mx	.009	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-17.098	1.25
15	MP3C	Mx	-.008	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-17.098	3.25
18	MP3C	Mx	-.008	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-123.106	.25
21	MP2A	Mx	-.072	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-123.106	4.25
24	MP2A	Mx	-.072	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-111.288	.25
27	MP2B	Mx	.084	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-111.288	4.25
30	MP2B	Mx	.084	4.25
31	MP2C	X	0	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	-105.322	.25
33	MP2C	Mx	-.028	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-105.322	4.25
36	MP2C	Mx	-.028	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-123.106	.25
39	MP2A	Mx	.072	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-123.106	4.25
42	MP2A	Mx	.072	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-111.288	.25
45	MP2B	Mx	.000897	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-111.288	4.25
48	MP2B	Mx	.000897	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-105.322	.25
51	MP2C	Mx	-.07	.25
52	MP2C	X	0	4.25
53	MP2C	Z	-105.322	4.25
54	MP2C	Mx	-.07	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	-71.168	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	-71.168	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	-45.755	1.25
63	MP1B	Mx	.018	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	-45.755	3.25
66	MP1B	Mx	.018	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	-38.689	1.25
69	MP1C	Mx	-.017	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	-38.689	3.25
72	MP1C	Mx	-.017	3.25
73	M122	X	0	1
74	M122	Z	-122.075	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	-56.632	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	-45.613	1
81	MP2B	Mx	-.017	1
82	MP2C	X	0	1
83	MP2C	Z	-40.052	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP2C	Mx	.019	1
85	MP3A	X	0	1
86	MP3A	Z	-56.632	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	-41.393	1
90	MP3B	Mx	-.016	1
91	MP3C	X	0	1
92	MP3C	Z	-33.701	1
93	MP3C	Mx	.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.47	1.25
2	MP3A	Z	-25.062	1.25
3	MP3A	Mx	-.007	1.25
4	MP3A	X	14.47	3.25
5	MP3A	Z	-25.062	3.25
6	MP3A	Mx	-.007	3.25
7	MP3B	X	7.737	1.25
8	MP3B	Z	-13.401	1.25
9	MP3B	Mx	.008	1.25
10	MP3B	X	7.737	3.25
11	MP3B	Z	-13.401	3.25
12	MP3B	Mx	.008	3.25
13	MP3C	X	12.944	1.25
14	MP3C	Z	-22.419	1.25
15	MP3C	Mx	-.008	1.25
16	MP3C	X	12.944	3.25
17	MP3C	Z	-22.419	3.25
18	MP3C	Mx	-.008	3.25
19	MP2A	X	59.035	.25
20	MP2A	Z	-102.252	.25
21	MP2A	Mx	-.089	.25
22	MP2A	X	59.035	4.25
23	MP2A	Z	-102.252	4.25
24	MP2A	Mx	-.089	4.25
25	MP2B	X	51.787	.25
26	MP2B	Z	-89.698	.25
27	MP2B	Mx	.061	.25
28	MP2B	X	51.787	4.25
29	MP2B	Z	-89.698	4.25
30	MP2B	Mx	.061	4.25
31	MP2C	X	57.392	.25
32	MP2C	Z	-99.406	.25
33	MP2C	Mx	.014	.25
34	MP2C	X	57.392	4.25
35	MP2C	Z	-99.406	4.25
36	MP2C	Mx	.014	4.25
37	MP2A	X	59.035	.25
38	MP2A	Z	-102.252	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP2A	Mx	.03	.25
40	MP2A	X	59.035	4.25
41	MP2A	Z	-102.252	4.25
42	MP2A	Mx	.03	4.25
43	MP2B	X	51.787	.25
44	MP2B	Z	-89.698	.25
45	MP2B	Mx	.041	.25
46	MP2B	X	51.787	4.25
47	MP2B	Z	-89.698	4.25
48	MP2B	Mx	.041	4.25
49	MP2C	X	57.392	.25
50	MP2C	Z	-99.406	.25
51	MP2C	Mx	-.088	.25
52	MP2C	X	57.392	4.25
53	MP2C	Z	-99.406	4.25
54	MP2C	Mx	-.088	4.25
55	MP1A	X	30.171	1.25
56	MP1A	Z	-52.257	1.25
57	MP1A	Mx	-.015	1.25
58	MP1A	X	30.171	3.25
59	MP1A	Z	-52.257	3.25
60	MP1A	Mx	-.015	3.25
61	MP1B	X	14.584	1.25
62	MP1B	Z	-25.26	1.25
63	MP1B	Mx	.014	1.25
64	MP1B	X	14.584	3.25
65	MP1B	Z	-25.26	3.25
66	MP1B	Mx	.014	3.25
67	MP1C	X	30.171	1.25
68	MP1C	Z	-52.257	1.25
69	MP1C	Mx	-.015	1.25
70	MP1C	X	30.171	3.25
71	MP1C	Z	-52.257	3.25
72	MP1C	Mx	-.015	3.25
73	M122	X	59.772	1
74	M122	Z	-103.529	1
75	M122	Mx	0	1
76	MP2A	X	25.969	1
77	MP2A	Z	-44.979	1
78	MP2A	Mx	.013	1
79	MP2B	X	19.211	1
80	MP2B	Z	-33.274	1
81	MP2B	Mx	-.019	1
82	MP2C	X	24.437	1
83	MP2C	Z	-42.326	1
84	MP2C	Mx	.016	1
85	MP3A	X	25.07	1
86	MP3A	Z	-43.422	1
87	MP3A	Mx	.013	1
88	MP3B	X	15.723	1
89	MP3B	Z	-27.233	1
90	MP3B	Mx	-.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP3C	X	22.951	1
92	MP3C	Z	-39.752	1
93	MP3C	Mx	.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	16.963	1.25
2	MP3A	Z	-9.793	1.25
3	MP3A	Mx	-.008	1.25
4	MP3A	X	16.963	3.25
5	MP3A	Z	-9.793	3.25
6	MP3A	Mx	-.008	3.25
7	MP3B	X	14.808	1.25
8	MP3B	Z	-8.549	1.25
9	MP3B	Mx	.008	1.25
10	MP3B	X	14.808	3.25
11	MP3B	Z	-8.549	3.25
12	MP3B	Mx	.008	3.25
13	MP3C	X	28.623	1.25
14	MP3C	Z	-16.526	1.25
15	MP3C	Mx	-.003	1.25
16	MP3C	X	28.623	3.25
17	MP3C	Z	-16.526	3.25
18	MP3C	Mx	-.003	3.25
19	MP2A	X	93.532	.25
20	MP2A	Z	-54.001	.25
21	MP2A	Mx	-.078	.25
22	MP2A	X	93.532	4.25
23	MP2A	Z	-54.001	4.25
24	MP2A	Mx	-.078	4.25
25	MP2B	X	91.212	.25
26	MP2B	Z	-52.661	.25
27	MP2B	Mx	.028	.25
28	MP2B	X	91.212	4.25
29	MP2B	Z	-52.661	4.25
30	MP2B	Mx	.028	4.25
31	MP2C	X	106.087	.25
32	MP2C	Z	-61.249	.25
33	MP2C	Mx	.06	.25
34	MP2C	X	106.087	4.25
35	MP2C	Z	-61.249	4.25
36	MP2C	Mx	.06	4.25
37	MP2A	X	93.532	.25
38	MP2A	Z	-54.001	.25
39	MP2A	Mx	-.015	.25
40	MP2A	X	93.532	4.25
41	MP2A	Z	-54.001	4.25
42	MP2A	Mx	-.015	4.25
43	MP2B	X	91.212	.25
44	MP2B	Z	-52.661	.25
45	MP2B	Mx	.07	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP2B	X	91.212	4.25
47	MP2B	Z	-52.661	4.25
48	MP2B	Mx	.07	4.25
49	MP2C	X	106.087	.25
50	MP2C	Z	-61.249	.25
51	MP2C	Mx	-.081	.25
52	MP2C	X	106.087	4.25
53	MP2C	Z	-61.249	4.25
54	MP2C	Mx	-.081	4.25
55	MP1A	X	33.505	1.25
56	MP1A	Z	-19.344	1.25
57	MP1A	Mx	-.017	1.25
58	MP1A	X	33.505	3.25
59	MP1A	Z	-19.344	3.25
60	MP1A	Mx	-.017	3.25
61	MP1B	X	28.517	1.25
62	MP1B	Z	-16.464	1.25
63	MP1B	Mx	.015	1.25
64	MP1B	X	28.517	3.25
65	MP1B	Z	-16.464	3.25
66	MP1B	Mx	.015	3.25
67	MP1C	X	61.633	1.25
68	MP1C	Z	-35.584	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	61.633	3.25
71	MP1C	Z	-35.584	3.25
72	MP1C	Mx	0	3.25
73	M122	X	91.668	1
74	M122	Z	-52.925	1
75	M122	Mx	0	1
76	MP2A	X	36.849	1
77	MP2A	Z	-21.275	1
78	MP2A	Mx	.018	1
79	MP2B	X	34.686	1
80	MP2B	Z	-20.026	1
81	MP2B	Mx	-.019	1
82	MP2C	X	48.554	1
83	MP2C	Z	-28.033	1
84	MP2C	Mx	.005	1
85	MP3A	X	32.177	1
86	MP3A	Z	-18.578	1
87	MP3A	Mx	.016	1
88	MP3B	X	29.186	1
89	MP3B	Z	-16.85	1
90	MP3B	Mx	-.016	1
91	MP3C	X	48.366	1
92	MP3C	Z	-27.924	1
93	MP3C	Mx	.005	1

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.91	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.007	1.25
4	MP3A	X	14.91	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.007	3.25
7	MP3B	X	25.887	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.008	1.25
10	MP3B	X	25.887	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.008	3.25
13	MP3C	X	31.427	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.005	1.25
16	MP3C	X	31.427	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.005	3.25
19	MP2A	X	102.967	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.051	.25
22	MP2A	X	102.967	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	-.051	4.25
25	MP2B	X	114.785	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.014	.25
28	MP2B	X	114.785	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.014	4.25
31	MP2C	X	120.75	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.087	.25
34	MP2C	X	120.75	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	.087	4.25
37	MP2A	X	102.967	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.051	.25
40	MP2A	X	102.967	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.051	4.25
43	MP2B	X	114.785	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.088	.25
46	MP2B	X	114.785	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.088	4.25
49	MP2C	X	120.75	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.046	.25
52	MP2C	X	120.75	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.046	4.25
55	MP1A	X	27.862	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.014	1.25
58	MP1A	X	27.862	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	-.014	3.25
61	MP1B	X	53.275	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.017	1.25
64	MP1B	X	53.275	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	.017	3.25
67	MP1C	X	60.342	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.015	1.25
70	MP1C	X	60.342	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	.015	3.25
73	M122	X	94.685	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	37.855	1
77	MP2A	Z	0	1
78	MP2A	Mx	.019	1
79	MP2B	X	48.874	1
80	MP2B	Z	0	1
81	MP2B	Mx	-.016	1
82	MP2C	X	54.435	1
83	MP2C	Z	0	1
84	MP2C	Mx	-.009	1
85	MP3A	X	30.663	1
86	MP3A	Z	0	1
87	MP3A	Mx	.015	1
88	MP3B	X	45.902	1
89	MP3B	Z	0	1
90	MP3B	Mx	-.015	1
91	MP3C	X	53.594	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	16.963	1.25
2	MP3A	Z	9.793	1.25
3	MP3A	Mx	-.008	1.25
4	MP3A	X	16.963	3.25
5	MP3A	Z	9.793	3.25
6	MP3A	Mx	-.008	3.25
7	MP3B	X	28.623	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	16.526	1.25
9	MP3B	Mx	.003	1.25
10	MP3B	X	28.623	3.25
11	MP3B	Z	16.526	3.25
12	MP3B	Mx	.003	3.25
13	MP3C	X	19.606	1.25
14	MP3C	Z	11.319	1.25
15	MP3C	Mx	.009	1.25
16	MP3C	X	19.606	3.25
17	MP3C	Z	11.319	3.25
18	MP3C	Mx	.009	3.25
19	MP2A	X	93.532	.25
20	MP2A	Z	54.001	.25
21	MP2A	Mx	-.015	.25
22	MP2A	X	93.532	4.25
23	MP2A	Z	54.001	4.25
24	MP2A	Mx	-.015	4.25
25	MP2B	X	106.087	.25
26	MP2B	Z	61.249	.25
27	MP2B	Mx	-.06	.25
28	MP2B	X	106.087	4.25
29	MP2B	Z	61.249	4.25
30	MP2B	Mx	-.06	4.25
31	MP2C	X	96.378	.25
32	MP2C	Z	55.644	.25
33	MP2C	Mx	.084	.25
34	MP2C	X	96.378	4.25
35	MP2C	Z	55.644	4.25
36	MP2C	Mx	.084	4.25
37	MP2A	X	93.532	.25
38	MP2A	Z	54.001	.25
39	MP2A	Mx	-.078	.25
40	MP2A	X	93.532	4.25
41	MP2A	Z	54.001	4.25
42	MP2A	Mx	-.078	4.25
43	MP2B	X	106.087	.25
44	MP2B	Z	61.249	.25
45	MP2B	Mx	.081	.25
46	MP2B	X	106.087	4.25
47	MP2B	Z	61.249	4.25
48	MP2B	Mx	.081	4.25
49	MP2C	X	96.378	.25
50	MP2C	Z	55.644	.25
51	MP2C	Mx	.000897	.25
52	MP2C	X	96.378	4.25
53	MP2C	Z	55.644	4.25
54	MP2C	Mx	.000897	4.25
55	MP1A	X	33.505	1.25
56	MP1A	Z	19.344	1.25
57	MP1A	Mx	-.017	1.25
58	MP1A	X	33.505	3.25
59	MP1A	Z	19.344	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.017	3.25
61	MP1B	X	60.503	1.25
62	MP1B	Z	34.931	1.25
63	MP1B	Mx	.006	1.25
64	MP1B	X	60.503	3.25
65	MP1B	Z	34.931	3.25
66	MP1B	Mx	.006	3.25
67	MP1C	X	33.505	1.25
68	MP1C	Z	19.344	1.25
69	MP1C	Mx	.017	1.25
70	MP1C	X	33.505	3.25
71	MP1C	Z	19.344	3.25
72	MP1C	Mx	.017	3.25
73	M122	X	84.191	1
74	M122	Z	48.608	1
75	M122	Mx	0	1
76	MP2A	X	36.849	1
77	MP2A	Z	21.275	1
78	MP2A	Mx	.018	1
79	MP2B	X	48.554	1
80	MP2B	Z	28.033	1
81	MP2B	Mx	-.005	1
82	MP2C	X	39.502	1
83	MP2C	Z	22.807	1
84	MP2C	Mx	-.017	1
85	MP3A	X	32.177	1
86	MP3A	Z	18.578	1
87	MP3A	Mx	.016	1
88	MP3B	X	48.366	1
89	MP3B	Z	27.924	1
90	MP3B	Mx	-.005	1
91	MP3C	X	35.847	1
92	MP3C	Z	20.696	1
93	MP3C	Mx	-.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	14.47	1.25
2	MP3A	Z	25.062	1.25
3	MP3A	Mx	-.007	1.25
4	MP3A	X	14.47	3.25
5	MP3A	Z	25.062	3.25
6	MP3A	Mx	-.007	3.25
7	MP3B	X	15.714	1.25
8	MP3B	Z	27.217	1.25
9	MP3B	Mx	-.005	1.25
10	MP3B	X	15.714	3.25
11	MP3B	Z	27.217	3.25
12	MP3B	Mx	-.005	3.25
13	MP3C	X	7.737	1.25
14	MP3C	Z	13.401	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	.008	1.25
16	MP3C	X	7.737	3.25
17	MP3C	Z	13.401	3.25
18	MP3C	Mx	.008	3.25
19	MP2A	X	59.035	.25
20	MP2A	Z	102.252	.25
21	MP2A	Mx	.03	.25
22	MP2A	X	59.035	4.25
23	MP2A	Z	102.252	4.25
24	MP2A	Mx	.03	4.25
25	MP2B	X	60.375	.25
26	MP2B	Z	104.572	.25
27	MP2B	Mx	-.087	.25
28	MP2B	X	60.375	4.25
29	MP2B	Z	104.572	4.25
30	MP2B	Mx	-.087	4.25
31	MP2C	X	51.787	.25
32	MP2C	Z	89.698	.25
33	MP2C	Mx	.061	.25
34	MP2C	X	51.787	4.25
35	MP2C	Z	89.698	4.25
36	MP2C	Mx	.061	4.25
37	MP2A	X	59.035	.25
38	MP2A	Z	102.252	.25
39	MP2A	Mx	-.089	.25
40	MP2A	X	59.035	4.25
41	MP2A	Z	102.252	4.25
42	MP2A	Mx	-.089	4.25
43	MP2B	X	60.375	.25
44	MP2B	Z	104.572	.25
45	MP2B	Mx	.046	.25
46	MP2B	X	60.375	4.25
47	MP2B	Z	104.572	4.25
48	MP2B	Mx	.046	4.25
49	MP2C	X	51.787	.25
50	MP2C	Z	89.698	.25
51	MP2C	Mx	.041	.25
52	MP2C	X	51.787	4.25
53	MP2C	Z	89.698	4.25
54	MP2C	Mx	.041	4.25
55	MP1A	X	30.171	1.25
56	MP1A	Z	52.257	1.25
57	MP1A	Mx	-.015	1.25
58	MP1A	X	30.171	3.25
59	MP1A	Z	52.257	3.25
60	MP1A	Mx	-.015	3.25
61	MP1B	X	33.051	1.25
62	MP1B	Z	57.246	1.25
63	MP1B	Mx	-.011	1.25
64	MP1B	X	33.051	3.25
65	MP1B	Z	57.246	3.25
66	MP1B	Mx	-.011	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	13.931	1.25
68	MP1C	Z	24.129	1.25
69	MP1C	Mx	.014	1.25
70	MP1C	X	13.931	3.25
71	MP1C	Z	24.129	3.25
72	MP1C	Mx	.014	3.25
73	M122	X	55.455	1
74	M122	Z	96.052	1
75	M122	Mx	0	1
76	MP2A	X	25.969	1
77	MP2A	Z	44.979	1
78	MP2A	Mx	.013	1
79	MP2B	X	27.218	1
80	MP2B	Z	47.142	1
81	MP2B	Mx	.009	1
82	MP2C	X	19.211	1
83	MP2C	Z	33.274	1
84	MP2C	Mx	-.019	1
85	MP3A	X	25.07	1
86	MP3A	Z	43.422	1
87	MP3A	Mx	.013	1
88	MP3B	X	26.797	1
89	MP3B	Z	46.414	1
90	MP3B	Mx	.009	1
91	MP3C	X	15.723	1
92	MP3C	Z	27.233	1
93	MP3C	Mx	-.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	33.616	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	33.616	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	22.639	1.25
9	MP3B	Mx	-.009	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	22.639	3.25
12	MP3B	Mx	-.009	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	17.098	1.25
15	MP3C	Mx	.008	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	17.098	3.25
18	MP3C	Mx	.008	3.25
19	MP2A	X	0	.25
20	MP2A	Z	123.106	.25
21	MP2A	Mx	.072	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	0	4.25
23	MP2A	Z	123.106	4.25
24	MP2A	Mx	.072	4.25
25	MP2B	X	0	.25
26	MP2B	Z	111.288	.25
27	MP2B	Mx	-.084	.25
28	MP2B	X	0	4.25
29	MP2B	Z	111.288	4.25
30	MP2B	Mx	-.084	4.25
31	MP2C	X	0	.25
32	MP2C	Z	105.322	.25
33	MP2C	Mx	.028	.25
34	MP2C	X	0	4.25
35	MP2C	Z	105.322	4.25
36	MP2C	Mx	.028	4.25
37	MP2A	X	0	.25
38	MP2A	Z	123.106	.25
39	MP2A	Mx	-.072	.25
40	MP2A	X	0	4.25
41	MP2A	Z	123.106	4.25
42	MP2A	Mx	-.072	4.25
43	MP2B	X	0	.25
44	MP2B	Z	111.288	.25
45	MP2B	Mx	-.000897	.25
46	MP2B	X	0	4.25
47	MP2B	Z	111.288	4.25
48	MP2B	Mx	-.000897	4.25
49	MP2C	X	0	.25
50	MP2C	Z	105.322	.25
51	MP2C	Mx	.07	.25
52	MP2C	X	0	4.25
53	MP2C	Z	105.322	4.25
54	MP2C	Mx	.07	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	71.168	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	71.168	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	45.755	1.25
63	MP1B	Mx	-.018	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	45.755	3.25
66	MP1B	Mx	-.018	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	38.689	1.25
69	MP1C	Mx	.017	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	38.689	3.25
72	MP1C	Mx	.017	3.25
73	M122	X	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	122.075	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	56.632	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	45.613	1
81	MP2B	Mx	.017	1
82	MP2C	X	0	1
83	MP2C	Z	40.052	1
84	MP2C	Mx	-.019	1
85	MP3A	X	0	1
86	MP3A	Z	56.632	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	41.393	1
90	MP3B	Mx	.016	1
91	MP3C	X	0	1
92	MP3C	Z	33.701	1
93	MP3C	Mx	-.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.47	1.25
2	MP3A	Z	25.062	1.25
3	MP3A	Mx	.007	1.25
4	MP3A	X	-14.47	3.25
5	MP3A	Z	25.062	3.25
6	MP3A	Mx	.007	3.25
7	MP3B	X	-7.737	1.25
8	MP3B	Z	13.401	1.25
9	MP3B	Mx	-.008	1.25
10	MP3B	X	-7.737	3.25
11	MP3B	Z	13.401	3.25
12	MP3B	Mx	-.008	3.25
13	MP3C	X	-12.944	1.25
14	MP3C	Z	22.419	1.25
15	MP3C	Mx	.008	1.25
16	MP3C	X	-12.944	3.25
17	MP3C	Z	22.419	3.25
18	MP3C	Mx	.008	3.25
19	MP2A	X	-59.035	.25
20	MP2A	Z	102.252	.25
21	MP2A	Mx	.089	.25
22	MP2A	X	-59.035	4.25
23	MP2A	Z	102.252	4.25
24	MP2A	Mx	.089	4.25
25	MP2B	X	-51.787	.25
26	MP2B	Z	89.698	.25
27	MP2B	Mx	-.061	.25
28	MP2B	X	-51.787	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	89.698	4.25
30	MP2B	Mx	-.061	4.25
31	MP2C	X	-57.392	.25
32	MP2C	Z	99.406	.25
33	MP2C	Mx	-.014	.25
34	MP2C	X	-57.392	4.25
35	MP2C	Z	99.406	4.25
36	MP2C	Mx	-.014	4.25
37	MP2A	X	-59.035	.25
38	MP2A	Z	102.252	.25
39	MP2A	Mx	-.03	.25
40	MP2A	X	-59.035	4.25
41	MP2A	Z	102.252	4.25
42	MP2A	Mx	-.03	4.25
43	MP2B	X	-51.787	.25
44	MP2B	Z	89.698	.25
45	MP2B	Mx	-.041	.25
46	MP2B	X	-51.787	4.25
47	MP2B	Z	89.698	4.25
48	MP2B	Mx	-.041	4.25
49	MP2C	X	-57.392	.25
50	MP2C	Z	99.406	.25
51	MP2C	Mx	.088	.25
52	MP2C	X	-57.392	4.25
53	MP2C	Z	99.406	4.25
54	MP2C	Mx	.088	4.25
55	MP1A	X	-30.171	1.25
56	MP1A	Z	52.257	1.25
57	MP1A	Mx	.015	1.25
58	MP1A	X	-30.171	3.25
59	MP1A	Z	52.257	3.25
60	MP1A	Mx	.015	3.25
61	MP1B	X	-14.584	1.25
62	MP1B	Z	25.26	1.25
63	MP1B	Mx	-.014	1.25
64	MP1B	X	-14.584	3.25
65	MP1B	Z	25.26	3.25
66	MP1B	Mx	-.014	3.25
67	MP1C	X	-30.171	1.25
68	MP1C	Z	52.257	1.25
69	MP1C	Mx	.015	1.25
70	MP1C	X	-30.171	3.25
71	MP1C	Z	52.257	3.25
72	MP1C	Mx	.015	3.25
73	M122	X	-59.772	1
74	M122	Z	103.529	1
75	M122	Mx	0	1
76	MP2A	X	-25.969	1
77	MP2A	Z	44.979	1
78	MP2A	Mx	-.013	1
79	MP2B	X	-19.211	1
80	MP2B	Z	33.274	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	.019	1
82	MP2C	X	-24.437	1
83	MP2C	Z	42.326	1
84	MP2C	Mx	-.016	1
85	MP3A	X	-25.07	1
86	MP3A	Z	43.422	1
87	MP3A	Mx	-.013	1
88	MP3B	X	-15.723	1
89	MP3B	Z	27.233	1
90	MP3B	Mx	.015	1
91	MP3C	X	-22.951	1
92	MP3C	Z	39.752	1
93	MP3C	Mx	-.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-16.963	1.25
2	MP3A	Z	9.793	1.25
3	MP3A	Mx	.008	1.25
4	MP3A	X	-16.963	3.25
5	MP3A	Z	9.793	3.25
6	MP3A	Mx	.008	3.25
7	MP3B	X	-14.808	1.25
8	MP3B	Z	8.549	1.25
9	MP3B	Mx	-.008	1.25
10	MP3B	X	-14.808	3.25
11	MP3B	Z	8.549	3.25
12	MP3B	Mx	-.008	3.25
13	MP3C	X	-28.623	1.25
14	MP3C	Z	16.526	1.25
15	MP3C	Mx	.003	1.25
16	MP3C	X	-28.623	3.25
17	MP3C	Z	16.526	3.25
18	MP3C	Mx	.003	3.25
19	MP2A	X	-93.532	.25
20	MP2A	Z	54.001	.25
21	MP2A	Mx	.078	.25
22	MP2A	X	-93.532	4.25
23	MP2A	Z	54.001	4.25
24	MP2A	Mx	.078	4.25
25	MP2B	X	-91.212	.25
26	MP2B	Z	52.661	.25
27	MP2B	Mx	-.028	.25
28	MP2B	X	-91.212	4.25
29	MP2B	Z	52.661	4.25
30	MP2B	Mx	-.028	4.25
31	MP2C	X	-106.087	.25
32	MP2C	Z	61.249	.25
33	MP2C	Mx	-.06	.25
34	MP2C	X	-106.087	4.25
35	MP2C	Z	61.249	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.06	4.25
37	MP2A	X	-93.532	.25
38	MP2A	Z	54.001	.25
39	MP2A	Mx	.015	.25
40	MP2A	X	-93.532	4.25
41	MP2A	Z	54.001	4.25
42	MP2A	Mx	.015	4.25
43	MP2B	X	-91.212	.25
44	MP2B	Z	52.661	.25
45	MP2B	Mx	-.07	.25
46	MP2B	X	-91.212	4.25
47	MP2B	Z	52.661	4.25
48	MP2B	Mx	-.07	4.25
49	MP2C	X	-106.087	.25
50	MP2C	Z	61.249	.25
51	MP2C	Mx	.081	.25
52	MP2C	X	-106.087	4.25
53	MP2C	Z	61.249	4.25
54	MP2C	Mx	.081	4.25
55	MP1A	X	-33.505	1.25
56	MP1A	Z	19.344	1.25
57	MP1A	Mx	.017	1.25
58	MP1A	X	-33.505	3.25
59	MP1A	Z	19.344	3.25
60	MP1A	Mx	.017	3.25
61	MP1B	X	-28.517	1.25
62	MP1B	Z	16.464	1.25
63	MP1B	Mx	-.015	1.25
64	MP1B	X	-28.517	3.25
65	MP1B	Z	16.464	3.25
66	MP1B	Mx	-.015	3.25
67	MP1C	X	-61.633	1.25
68	MP1C	Z	35.584	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	-61.633	3.25
71	MP1C	Z	35.584	3.25
72	MP1C	Mx	0	3.25
73	M122	X	-91.668	1
74	M122	Z	52.925	1
75	M122	Mx	0	1
76	MP2A	X	-36.849	1
77	MP2A	Z	21.275	1
78	MP2A	Mx	-.018	1
79	MP2B	X	-34.686	1
80	MP2B	Z	20.026	1
81	MP2B	Mx	.019	1
82	MP2C	X	-48.554	1
83	MP2C	Z	28.033	1
84	MP2C	Mx	-.005	1
85	MP3A	X	-32.177	1
86	MP3A	Z	18.578	1
87	MP3A	Mx	-.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	-29.186	1
89	MP3B	Z	16.85	1
90	MP3B	Mx	.016	1
91	MP3C	X	-48.366	1
92	MP3C	Z	27.924	1
93	MP3C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.91	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.007	1.25
4	MP3A	X	-14.91	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.007	3.25
7	MP3B	X	-25.887	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.008	1.25
10	MP3B	X	-25.887	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.008	3.25
13	MP3C	X	-31.427	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.005	1.25
16	MP3C	X	-31.427	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.005	3.25
19	MP2A	X	-102.967	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.051	.25
22	MP2A	X	-102.967	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	.051	4.25
25	MP2B	X	-114.785	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.014	.25
28	MP2B	X	-114.785	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	.014	4.25
31	MP2C	X	-120.75	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.087	.25
34	MP2C	X	-120.75	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.087	4.25
37	MP2A	X	-102.967	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.051	.25
40	MP2A	X	-102.967	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.051	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	-114.785	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.088	.25
46	MP2B	X	-114.785	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	-.088	4.25
49	MP2C	X	-120.75	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.046	.25
52	MP2C	X	-120.75	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.046	4.25
55	MP1A	X	-27.862	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.014	1.25
58	MP1A	X	-27.862	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	.014	3.25
61	MP1B	X	-53.275	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.017	1.25
64	MP1B	X	-53.275	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	-.017	3.25
67	MP1C	X	-60.342	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.015	1.25
70	MP1C	X	-60.342	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	-.015	3.25
73	M122	X	-94.685	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	-37.855	1
77	MP2A	Z	0	1
78	MP2A	Mx	-.019	1
79	MP2B	X	-48.874	1
80	MP2B	Z	0	1
81	MP2B	Mx	.016	1
82	MP2C	X	-54.435	1
83	MP2C	Z	0	1
84	MP2C	Mx	.009	1
85	MP3A	X	-30.663	1
86	MP3A	Z	0	1
87	MP3A	Mx	-.015	1
88	MP3B	X	-45.902	1
89	MP3B	Z	0	1
90	MP3B	Mx	.015	1
91	MP3C	X	-53.594	1
92	MP3C	Z	0	1
93	MP3C	Mx	.009	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-16.963	1.25
2	MP3A	Z	-9.793	1.25
3	MP3A	Mx	.008	1.25
4	MP3A	X	-16.963	3.25
5	MP3A	Z	-9.793	3.25
6	MP3A	Mx	.008	3.25
7	MP3B	X	-28.623	1.25
8	MP3B	Z	-16.526	1.25
9	MP3B	Mx	-.003	1.25
10	MP3B	X	-28.623	3.25
11	MP3B	Z	-16.526	3.25
12	MP3B	Mx	-.003	3.25
13	MP3C	X	-19.606	1.25
14	MP3C	Z	-11.319	1.25
15	MP3C	Mx	-.009	1.25
16	MP3C	X	-19.606	3.25
17	MP3C	Z	-11.319	3.25
18	MP3C	Mx	-.009	3.25
19	MP2A	X	-93.532	.25
20	MP2A	Z	-54.001	.25
21	MP2A	Mx	.015	.25
22	MP2A	X	-93.532	4.25
23	MP2A	Z	-54.001	4.25
24	MP2A	Mx	.015	4.25
25	MP2B	X	-106.087	.25
26	MP2B	Z	-61.249	.25
27	MP2B	Mx	.06	.25
28	MP2B	X	-106.087	4.25
29	MP2B	Z	-61.249	4.25
30	MP2B	Mx	.06	4.25
31	MP2C	X	-96.378	.25
32	MP2C	Z	-55.644	.25
33	MP2C	Mx	-.084	.25
34	MP2C	X	-96.378	4.25
35	MP2C	Z	-55.644	4.25
36	MP2C	Mx	-.084	4.25
37	MP2A	X	-93.532	.25
38	MP2A	Z	-54.001	.25
39	MP2A	Mx	.078	.25
40	MP2A	X	-93.532	4.25
41	MP2A	Z	-54.001	4.25
42	MP2A	Mx	.078	4.25
43	MP2B	X	-106.087	.25
44	MP2B	Z	-61.249	.25
45	MP2B	Mx	-.081	.25
46	MP2B	X	-106.087	4.25
47	MP2B	Z	-61.249	4.25
48	MP2B	Mx	-.081	4.25
49	MP2C	X	-96.378	.25
50	MP2C	Z	-55.644	.25
51	MP2C	Mx	-.000897	.25
52	MP2C	X	-96.378	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-55.644	4.25
54	MP2C	Mx	-.000897	4.25
55	MP1A	X	-33.505	1.25
56	MP1A	Z	-19.344	1.25
57	MP1A	Mx	.017	1.25
58	MP1A	X	-33.505	3.25
59	MP1A	Z	-19.344	3.25
60	MP1A	Mx	.017	3.25
61	MP1B	X	-60.503	1.25
62	MP1B	Z	-34.931	1.25
63	MP1B	Mx	-.006	1.25
64	MP1B	X	-60.503	3.25
65	MP1B	Z	-34.931	3.25
66	MP1B	Mx	-.006	3.25
67	MP1C	X	-33.505	1.25
68	MP1C	Z	-19.344	1.25
69	MP1C	Mx	-.017	1.25
70	MP1C	X	-33.505	3.25
71	MP1C	Z	-19.344	3.25
72	MP1C	Mx	-.017	3.25
73	M122	X	-84.191	1
74	M122	Z	-48.608	1
75	M122	Mx	0	1
76	MP2A	X	-36.849	1
77	MP2A	Z	-21.275	1
78	MP2A	Mx	-.018	1
79	MP2B	X	-48.554	1
80	MP2B	Z	-28.033	1
81	MP2B	Mx	.005	1
82	MP2C	X	-39.502	1
83	MP2C	Z	-22.807	1
84	MP2C	Mx	.017	1
85	MP3A	X	-32.177	1
86	MP3A	Z	-18.578	1
87	MP3A	Mx	-.016	1
88	MP3B	X	-48.366	1
89	MP3B	Z	-27.924	1
90	MP3B	Mx	.005	1
91	MP3C	X	-35.847	1
92	MP3C	Z	-20.696	1
93	MP3C	Mx	.016	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-14.47	1.25
2	MP3A	Z	-25.062	1.25
3	MP3A	Mx	.007	1.25
4	MP3A	X	-14.47	3.25
5	MP3A	Z	-25.062	3.25
6	MP3A	Mx	.007	3.25
7	MP3B	X	-15.714	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-27.217	1.25
9	MP3B	Mx	.005	1.25
10	MP3B	X	-15.714	3.25
11	MP3B	Z	-27.217	3.25
12	MP3B	Mx	.005	3.25
13	MP3C	X	-7.737	1.25
14	MP3C	Z	-13.401	1.25
15	MP3C	Mx	-.008	1.25
16	MP3C	X	-7.737	3.25
17	MP3C	Z	-13.401	3.25
18	MP3C	Mx	-.008	3.25
19	MP2A	X	-59.035	.25
20	MP2A	Z	-102.252	.25
21	MP2A	Mx	-.03	.25
22	MP2A	X	-59.035	4.25
23	MP2A	Z	-102.252	4.25
24	MP2A	Mx	-.03	4.25
25	MP2B	X	-60.375	.25
26	MP2B	Z	-104.572	.25
27	MP2B	Mx	.087	.25
28	MP2B	X	-60.375	4.25
29	MP2B	Z	-104.572	4.25
30	MP2B	Mx	.087	4.25
31	MP2C	X	-51.787	.25
32	MP2C	Z	-89.698	.25
33	MP2C	Mx	-.061	.25
34	MP2C	X	-51.787	4.25
35	MP2C	Z	-89.698	4.25
36	MP2C	Mx	-.061	4.25
37	MP2A	X	-59.035	.25
38	MP2A	Z	-102.252	.25
39	MP2A	Mx	.089	.25
40	MP2A	X	-59.035	4.25
41	MP2A	Z	-102.252	4.25
42	MP2A	Mx	.089	4.25
43	MP2B	X	-60.375	.25
44	MP2B	Z	-104.572	.25
45	MP2B	Mx	-.046	.25
46	MP2B	X	-60.375	4.25
47	MP2B	Z	-104.572	4.25
48	MP2B	Mx	-.046	4.25
49	MP2C	X	-51.787	.25
50	MP2C	Z	-89.698	.25
51	MP2C	Mx	-.041	.25
52	MP2C	X	-51.787	4.25
53	MP2C	Z	-89.698	4.25
54	MP2C	Mx	-.041	4.25
55	MP1A	X	-30.171	1.25
56	MP1A	Z	-52.257	1.25
57	MP1A	Mx	.015	1.25
58	MP1A	X	-30.171	3.25
59	MP1A	Z	-52.257	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.015	3.25
61	MP1B	X	-33.051	1.25
62	MP1B	Z	-57.246	1.25
63	MP1B	Mx	.011	1.25
64	MP1B	X	-33.051	3.25
65	MP1B	Z	-57.246	3.25
66	MP1B	Mx	.011	3.25
67	MP1C	X	-13.931	1.25
68	MP1C	Z	-24.129	1.25
69	MP1C	Mx	-.014	1.25
70	MP1C	X	-13.931	3.25
71	MP1C	Z	-24.129	3.25
72	MP1C	Mx	-.014	3.25
73	M122	X	-55.455	1
74	M122	Z	-96.052	1
75	M122	Mx	0	1
76	MP2A	X	-25.969	1
77	MP2A	Z	-44.979	1
78	MP2A	Mx	-.013	1
79	MP2B	X	-27.218	1
80	MP2B	Z	-47.142	1
81	MP2B	Mx	-.009	1
82	MP2C	X	-19.211	1
83	MP2C	Z	-33.274	1
84	MP2C	Mx	.019	1
85	MP3A	X	-25.07	1
86	MP3A	Z	-43.422	1
87	MP3A	Mx	-.013	1
88	MP3B	X	-26.797	1
89	MP3B	Z	-46.414	1
90	MP3B	Mx	-.009	1
91	MP3C	X	-15.723	1
92	MP3C	Z	-27.233	1
93	MP3C	Mx	.015	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-7.557	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-7.557	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-5.297	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-5.297	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-4.157	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	-.002	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-4.157	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-25.675	.25
21	MP2A	Mx	-.015	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-25.675	4.25
24	MP2A	Mx	-.015	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-23.394	.25
27	MP2B	Mx	.018	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-23.394	4.25
30	MP2B	Mx	.018	4.25
31	MP2C	X	0	.25
32	MP2C	Z	-22.242	.25
33	MP2C	Mx	-.006	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-22.242	4.25
36	MP2C	Mx	-.006	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-25.675	.25
39	MP2A	Mx	.015	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-25.675	4.25
42	MP2A	Mx	.015	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-23.394	.25
45	MP2B	Mx	.000189	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-23.394	4.25
48	MP2B	Mx	.000189	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-22.242	.25
51	MP2C	Mx	-.015	.25
52	MP2C	X	0	4.25
53	MP2C	Z	-22.242	4.25
54	MP2C	Mx	-.015	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	-15.199	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	-15.199	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	-10.079	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	-10.079	3.25
66	MP1B	Mx	.004	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	0	1.25
68	MP1C	Z	-8.656	1.25
69	MP1C	Mx	-.004	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	-8.656	3.25
72	MP1C	Mx	-.004	3.25
73	M122	X	0	1
74	M122	Z	-26.153	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	-12.81	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	-10.522	1
81	MP2B	Mx	-.004	1
82	MP2C	X	0	1
83	MP2C	Z	-9.367	1
84	MP2C	Mx	.004	1
85	MP3A	X	0	1
86	MP3A	Z	-12.81	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	-9.653	1
90	MP3B	Mx	-.004	1
91	MP3C	X	0	1
92	MP3C	Z	-8.059	1
93	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.297	1.25
2	MP3A	Z	-5.711	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	3.297	3.25
5	MP3A	Z	-5.711	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	1.911	1.25
8	MP3B	Z	-3.31	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	1.911	3.25
11	MP3B	Z	-3.31	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	2.983	1.25
14	MP3C	Z	-5.167	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	2.983	3.25
17	MP3C	Z	-5.167	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	12.352	.25
20	MP2A	Z	-21.394	.25
21	MP2A	Mx	-.019	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	12.352	4.25
23	MP2A	Z	-21.394	4.25
24	MP2A	Mx	-.019	4.25
25	MP2B	X	10.952	.25
26	MP2B	Z	-18.97	.25
27	MP2B	Mx	.013	.25
28	MP2B	X	10.952	4.25
29	MP2B	Z	-18.97	4.25
30	MP2B	Mx	.013	4.25
31	MP2C	X	12.035	.25
32	MP2C	Z	-20.844	.25
33	MP2C	Mx	.003	.25
34	MP2C	X	12.035	4.25
35	MP2C	Z	-20.844	4.25
36	MP2C	Mx	.003	4.25
37	MP2A	X	12.352	.25
38	MP2A	Z	-21.394	.25
39	MP2A	Mx	.006	.25
40	MP2A	X	12.352	4.25
41	MP2A	Z	-21.394	4.25
42	MP2A	Mx	.006	4.25
43	MP2B	X	10.952	.25
44	MP2B	Z	-18.97	.25
45	MP2B	Mx	.009	.25
46	MP2B	X	10.952	4.25
47	MP2B	Z	-18.97	4.25
48	MP2B	Mx	.009	4.25
49	MP2C	X	12.035	.25
50	MP2C	Z	-20.844	.25
51	MP2C	Mx	-.018	.25
52	MP2C	X	12.035	4.25
53	MP2C	Z	-20.844	4.25
54	MP2C	Mx	-.018	4.25
55	MP1A	X	6.509	1.25
56	MP1A	Z	-11.274	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	6.509	3.25
59	MP1A	Z	-11.274	3.25
60	MP1A	Mx	-.003	3.25
61	MP1B	X	3.369	1.25
62	MP1B	Z	-5.835	1.25
63	MP1B	Mx	.003	1.25
64	MP1B	X	3.369	3.25
65	MP1B	Z	-5.835	3.25
66	MP1B	Mx	.003	3.25
67	MP1C	X	6.509	1.25
68	MP1C	Z	-11.274	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	6.509	3.25
71	MP1C	Z	-11.274	3.25
72	MP1C	Mx	-.003	3.25
73	M122	X	12.827	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	-22.217	1
75	M122	Mx	0	1
76	MP2A	X	5.918	1
77	MP2A	Z	-10.25	1
78	MP2A	Mx	.003	1
79	MP2B	X	4.514	1
80	MP2B	Z	-7.819	1
81	MP2B	Mx	-.004	1
82	MP2C	X	5.6	1
83	MP2C	Z	-9.699	1
84	MP2C	Mx	.004	1
85	MP3A	X	5.733	1
86	MP3A	Z	-9.929	1
87	MP3A	Mx	.003	1
88	MP3B	X	3.796	1
89	MP3B	Z	-6.575	1
90	MP3B	Mx	-.004	1
91	MP3C	X	5.294	1
92	MP3C	Z	-9.169	1
93	MP3C	Mx	.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.043	1.25
2	MP3A	Z	-2.334	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	4.043	3.25
5	MP3A	Z	-2.334	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	3.6	1.25
8	MP3B	Z	-2.078	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	3.6	3.25
11	MP3B	Z	-2.078	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	6.444	1.25
14	MP3C	Z	-3.721	1.25
15	MP3C	Mx	-.000646	1.25
16	MP3C	X	6.444	3.25
17	MP3C	Z	-3.721	3.25
18	MP3C	Mx	-.000646	3.25
19	MP2A	X	19.71	.25
20	MP2A	Z	-11.38	.25
21	MP2A	Mx	-.016	.25
22	MP2A	X	19.71	4.25
23	MP2A	Z	-11.38	4.25
24	MP2A	Mx	-.016	4.25
25	MP2B	X	19.262	.25
26	MP2B	Z	-11.121	.25
27	MP2B	Mx	.006	.25
28	MP2B	X	19.262	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-11.121	4.25
30	MP2B	Mx	.006	4.25
31	MP2C	X	22.134	.25
32	MP2C	Z	-12.779	.25
33	MP2C	Mx	.012	.25
34	MP2C	X	22.134	4.25
35	MP2C	Z	-12.779	4.25
36	MP2C	Mx	.012	4.25
37	MP2A	X	19.71	.25
38	MP2A	Z	-11.38	.25
39	MP2A	Mx	-.003	.25
40	MP2A	X	19.71	4.25
41	MP2A	Z	-11.38	4.25
42	MP2A	Mx	-.003	4.25
43	MP2B	X	19.262	.25
44	MP2B	Z	-11.121	.25
45	MP2B	Mx	.015	.25
46	MP2B	X	19.262	4.25
47	MP2B	Z	-11.121	4.25
48	MP2B	Mx	.015	4.25
49	MP2C	X	22.134	.25
50	MP2C	Z	-12.779	.25
51	MP2C	Mx	-.017	.25
52	MP2C	X	22.134	4.25
53	MP2C	Z	-12.779	4.25
54	MP2C	Mx	-.017	4.25
55	MP1A	X	7.496	1.25
56	MP1A	Z	-4.328	1.25
57	MP1A	Mx	-.004	1.25
58	MP1A	X	7.496	3.25
59	MP1A	Z	-4.328	3.25
60	MP1A	Mx	-.004	3.25
61	MP1B	X	6.491	1.25
62	MP1B	Z	-3.748	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	6.491	3.25
65	MP1B	Z	-3.748	3.25
66	MP1B	Mx	.004	3.25
67	MP1C	X	13.163	1.25
68	MP1C	Z	-7.6	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	13.163	3.25
71	MP1C	Z	-7.6	3.25
72	MP1C	Mx	0	3.25
73	M122	X	19.882	1
74	M122	Z	-11.479	1
75	M122	Mx	0	1
76	MP2A	X	8.561	1
77	MP2A	Z	-4.943	1
78	MP2A	Mx	.004	1
79	MP2B	X	8.112	1
80	MP2B	Z	-4.684	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.004	1
82	MP2C	X	10.992	1
83	MP2C	Z	-6.346	1
84	MP2C	Mx	.001	1
85	MP3A	X	7.599	1
86	MP3A	Z	-4.387	1
87	MP3A	Mx	.004	1
88	MP3B	X	6.979	1
89	MP3B	Z	-4.029	1
90	MP3B	Mx	-.004	1
91	MP3C	X	10.954	1
92	MP3C	Z	-6.324	1
93	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.706	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	3.706	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	5.966	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	5.966	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	7.107	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.001	1.25
16	MP3C	X	7.107	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.001	3.25
19	MP2A	X	21.787	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.011	.25
22	MP2A	X	21.787	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	-.011	4.25
25	MP2B	X	24.069	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.003	.25
28	MP2B	X	24.069	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.003	4.25
31	MP2C	X	25.221	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.018	.25
34	MP2C	X	25.221	4.25
35	MP2C	Z	0	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.018	4.25
37	MP2A	X	21.787	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.011	.25
40	MP2A	X	21.787	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.011	4.25
43	MP2B	X	24.069	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.018	.25
46	MP2B	X	24.069	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.018	4.25
49	MP2C	X	25.221	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.01	.25
52	MP2C	X	25.221	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.01	4.25
55	MP1A	X	6.475	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	6.475	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	-.003	3.25
61	MP1B	X	11.594	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.004	1.25
64	MP1B	X	11.594	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	.004	3.25
67	MP1C	X	13.018	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	13.018	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	.003	3.25
73	M122	X	20.76	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	8.911	1
77	MP2A	Z	0	1
78	MP2A	Mx	.004	1
79	MP2B	X	11.199	1
80	MP2B	Z	0	1
81	MP2B	Mx	-.004	1
82	MP2C	X	12.354	1
83	MP2C	Z	0	1
84	MP2C	Mx	-.002	1
85	MP3A	X	7.429	1
86	MP3A	Z	0	1
87	MP3A	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	10.587	1
89	MP3B	Z	0	1
90	MP3B	Mx	-.003	1
91	MP3C	X	12.181	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	4.043	1.25
2	MP3A	Z	2.334	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	4.043	3.25
5	MP3A	Z	2.334	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	6.444	1.25
8	MP3B	Z	3.721	1.25
9	MP3B	Mx	.000646	1.25
10	MP3B	X	6.444	3.25
11	MP3B	Z	3.721	3.25
12	MP3B	Mx	.000646	3.25
13	MP3C	X	4.588	1.25
14	MP3C	Z	2.649	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	4.588	3.25
17	MP3C	Z	2.649	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	19.71	.25
20	MP2A	Z	11.38	.25
21	MP2A	Mx	-.003	.25
22	MP2A	X	19.71	4.25
23	MP2A	Z	11.38	4.25
24	MP2A	Mx	-.003	4.25
25	MP2B	X	22.134	.25
26	MP2B	Z	12.779	.25
27	MP2B	Mx	-.012	.25
28	MP2B	X	22.134	4.25
29	MP2B	Z	12.779	4.25
30	MP2B	Mx	-.012	4.25
31	MP2C	X	20.26	.25
32	MP2C	Z	11.697	.25
33	MP2C	Mx	.018	.25
34	MP2C	X	20.26	4.25
35	MP2C	Z	11.697	4.25
36	MP2C	Mx	.018	4.25
37	MP2A	X	19.71	.25
38	MP2A	Z	11.38	.25
39	MP2A	Mx	-.016	.25
40	MP2A	X	19.71	4.25
41	MP2A	Z	11.38	4.25
42	MP2A	Mx	-.016	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	22.134	.25
44	MP2B	Z	12.779	.25
45	MP2B	Mx	.017	.25
46	MP2B	X	22.134	4.25
47	MP2B	Z	12.779	4.25
48	MP2B	Mx	.017	4.25
49	MP2C	X	20.26	.25
50	MP2C	Z	11.697	.25
51	MP2C	Mx	.000189	.25
52	MP2C	X	20.26	4.25
53	MP2C	Z	11.697	4.25
54	MP2C	Mx	.000189	4.25
55	MP1A	X	7.496	1.25
56	MP1A	Z	4.328	1.25
57	MP1A	Mx	-.004	1.25
58	MP1A	X	7.496	3.25
59	MP1A	Z	4.328	3.25
60	MP1A	Mx	-.004	3.25
61	MP1B	X	12.935	1.25
62	MP1B	Z	7.468	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	12.935	3.25
65	MP1B	Z	7.468	3.25
66	MP1B	Mx	.001	3.25
67	MP1C	X	7.496	1.25
68	MP1C	Z	4.328	1.25
69	MP1C	Mx	.004	1.25
70	MP1C	X	7.496	3.25
71	MP1C	Z	4.328	3.25
72	MP1C	Mx	.004	3.25
73	M122	X	18.41	1
74	M122	Z	10.629	1
75	M122	Mx	0	1
76	MP2A	X	8.561	1
77	MP2A	Z	4.943	1
78	MP2A	Mx	.004	1
79	MP2B	X	10.992	1
80	MP2B	Z	6.346	1
81	MP2B	Mx	-.001	1
82	MP2C	X	9.112	1
83	MP2C	Z	5.261	1
84	MP2C	Mx	-.004	1
85	MP3A	X	7.599	1
86	MP3A	Z	4.387	1
87	MP3A	Mx	.004	1
88	MP3B	X	10.954	1
89	MP3B	Z	6.324	1
90	MP3B	Mx	-.001	1
91	MP3C	X	8.359	1
92	MP3C	Z	4.826	1
93	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.297	1.25
2	MP3A	Z	5.711	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	3.297	3.25
5	MP3A	Z	5.711	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	3.553	1.25
8	MP3B	Z	6.155	1.25
9	MP3B	Mx	-.001	1.25
10	MP3B	X	3.553	3.25
11	MP3B	Z	6.155	3.25
12	MP3B	Mx	-.001	3.25
13	MP3C	X	1.911	1.25
14	MP3C	Z	3.31	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	1.911	3.25
17	MP3C	Z	3.31	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	12.352	.25
20	MP2A	Z	21.394	.25
21	MP2A	Mx	.006	.25
22	MP2A	X	12.352	4.25
23	MP2A	Z	21.394	4.25
24	MP2A	Mx	.006	4.25
25	MP2B	X	12.61	.25
26	MP2B	Z	21.842	.25
27	MP2B	Mx	-.018	.25
28	MP2B	X	12.61	4.25
29	MP2B	Z	21.842	4.25
30	MP2B	Mx	-.018	4.25
31	MP2C	X	10.952	.25
32	MP2C	Z	18.97	.25
33	MP2C	Mx	.013	.25
34	MP2C	X	10.952	4.25
35	MP2C	Z	18.97	4.25
36	MP2C	Mx	.013	4.25
37	MP2A	X	12.352	.25
38	MP2A	Z	21.394	.25
39	MP2A	Mx	-.019	.25
40	MP2A	X	12.352	4.25
41	MP2A	Z	21.394	4.25
42	MP2A	Mx	-.019	4.25
43	MP2B	X	12.61	.25
44	MP2B	Z	21.842	.25
45	MP2B	Mx	.01	.25
46	MP2B	X	12.61	4.25
47	MP2B	Z	21.842	4.25
48	MP2B	Mx	.01	4.25
49	MP2C	X	10.952	.25
50	MP2C	Z	18.97	.25
51	MP2C	Mx	.009	.25
52	MP2C	X	10.952	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	18.97	4.25
54	MP2C	Mx	.009	4.25
55	MP1A	X	6.509	1.25
56	MP1A	Z	11.274	1.25
57	MP1A	Mx	-.003	1.25
58	MP1A	X	6.509	3.25
59	MP1A	Z	11.274	3.25
60	MP1A	Mx	-.003	3.25
61	MP1B	X	7.089	1.25
62	MP1B	Z	12.279	1.25
63	MP1B	Mx	-.002	1.25
64	MP1B	X	7.089	3.25
65	MP1B	Z	12.279	3.25
66	MP1B	Mx	-.002	3.25
67	MP1C	X	3.237	1.25
68	MP1C	Z	5.607	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	3.237	3.25
71	MP1C	Z	5.607	3.25
72	MP1C	Mx	.003	3.25
73	M122	X	11.977	1
74	M122	Z	20.745	1
75	M122	Mx	0	1
76	MP2A	X	5.918	1
77	MP2A	Z	10.25	1
78	MP2A	Mx	.003	1
79	MP2B	X	6.177	1
80	MP2B	Z	10.699	1
81	MP2B	Mx	.002	1
82	MP2C	X	4.514	1
83	MP2C	Z	7.819	1
84	MP2C	Mx	-.004	1
85	MP3A	X	5.733	1
86	MP3A	Z	9.929	1
87	MP3A	Mx	.003	1
88	MP3B	X	6.09	1
89	MP3B	Z	10.549	1
90	MP3B	Mx	.002	1
91	MP3C	X	3.796	1
92	MP3C	Z	6.575	1
93	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	7.557	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	7.557	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	5.297	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	5.297	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	4.157	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	4.157	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	0	.25
20	MP2A	Z	25.675	.25
21	MP2A	Mx	.015	.25
22	MP2A	X	0	4.25
23	MP2A	Z	25.675	4.25
24	MP2A	Mx	.015	4.25
25	MP2B	X	0	.25
26	MP2B	Z	23.394	.25
27	MP2B	Mx	-.018	.25
28	MP2B	X	0	4.25
29	MP2B	Z	23.394	4.25
30	MP2B	Mx	-.018	4.25
31	MP2C	X	0	.25
32	MP2C	Z	22.242	.25
33	MP2C	Mx	.006	.25
34	MP2C	X	0	4.25
35	MP2C	Z	22.242	4.25
36	MP2C	Mx	.006	4.25
37	MP2A	X	0	.25
38	MP2A	Z	25.675	.25
39	MP2A	Mx	-.015	.25
40	MP2A	X	0	4.25
41	MP2A	Z	25.675	4.25
42	MP2A	Mx	-.015	4.25
43	MP2B	X	0	.25
44	MP2B	Z	23.394	.25
45	MP2B	Mx	-.000189	.25
46	MP2B	X	0	4.25
47	MP2B	Z	23.394	4.25
48	MP2B	Mx	-.000189	4.25
49	MP2C	X	0	.25
50	MP2C	Z	22.242	.25
51	MP2C	Mx	.015	.25
52	MP2C	X	0	4.25
53	MP2C	Z	22.242	4.25
54	MP2C	Mx	.015	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	15.199	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	15.199	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	10.079	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	10.079	3.25
66	MP1B	Mx	-.004	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	8.656	1.25
69	MP1C	Mx	.004	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	8.656	3.25
72	MP1C	Mx	.004	3.25
73	M122	X	0	1
74	M122	Z	26.153	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	12.81	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	10.522	1
81	MP2B	Mx	.004	1
82	MP2C	X	0	1
83	MP2C	Z	9.367	1
84	MP2C	Mx	-.004	1
85	MP3A	X	0	1
86	MP3A	Z	12.81	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	9.653	1
90	MP3B	Mx	.004	1
91	MP3C	X	0	1
92	MP3C	Z	8.059	1
93	MP3C	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.297	1.25
2	MP3A	Z	5.711	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-3.297	3.25
5	MP3A	Z	5.711	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-1.911	1.25
8	MP3B	Z	3.31	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	-1.911	3.25
11	MP3B	Z	3.31	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	-2.983	1.25
14	MP3C	Z	5.167	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	.002	1.25
16	MP3C	X	-2.983	3.25
17	MP3C	Z	5.167	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	-12.352	.25
20	MP2A	Z	21.394	.25
21	MP2A	Mx	.019	.25
22	MP2A	X	-12.352	4.25
23	MP2A	Z	21.394	4.25
24	MP2A	Mx	.019	4.25
25	MP2B	X	-10.952	.25
26	MP2B	Z	18.97	.25
27	MP2B	Mx	-.013	.25
28	MP2B	X	-10.952	4.25
29	MP2B	Z	18.97	4.25
30	MP2B	Mx	-.013	4.25
31	MP2C	X	-12.035	.25
32	MP2C	Z	20.844	.25
33	MP2C	Mx	-.003	.25
34	MP2C	X	-12.035	4.25
35	MP2C	Z	20.844	4.25
36	MP2C	Mx	-.003	4.25
37	MP2A	X	-12.352	.25
38	MP2A	Z	21.394	.25
39	MP2A	Mx	-.006	.25
40	MP2A	X	-12.352	4.25
41	MP2A	Z	21.394	4.25
42	MP2A	Mx	-.006	4.25
43	MP2B	X	-10.952	.25
44	MP2B	Z	18.97	.25
45	MP2B	Mx	-.009	.25
46	MP2B	X	-10.952	4.25
47	MP2B	Z	18.97	4.25
48	MP2B	Mx	-.009	4.25
49	MP2C	X	-12.035	.25
50	MP2C	Z	20.844	.25
51	MP2C	Mx	.018	.25
52	MP2C	X	-12.035	4.25
53	MP2C	Z	20.844	4.25
54	MP2C	Mx	.018	4.25
55	MP1A	X	-6.509	1.25
56	MP1A	Z	11.274	1.25
57	MP1A	Mx	.003	1.25
58	MP1A	X	-6.509	3.25
59	MP1A	Z	11.274	3.25
60	MP1A	Mx	.003	3.25
61	MP1B	X	-3.369	1.25
62	MP1B	Z	5.835	1.25
63	MP1B	Mx	-.003	1.25
64	MP1B	X	-3.369	3.25
65	MP1B	Z	5.835	3.25
66	MP1B	Mx	-.003	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	-6.509	1.25
68	MP1C	Z	11.274	1.25
69	MP1C	Mx	.003	1.25
70	MP1C	X	-6.509	3.25
71	MP1C	Z	11.274	3.25
72	MP1C	Mx	.003	3.25
73	M122	X	-12.827	1
74	M122	Z	22.217	1
75	M122	Mx	0	1
76	MP2A	X	-5.918	1
77	MP2A	Z	10.25	1
78	MP2A	Mx	-.003	1
79	MP2B	X	-4.514	1
80	MP2B	Z	7.819	1
81	MP2B	Mx	.004	1
82	MP2C	X	-5.6	1
83	MP2C	Z	9.699	1
84	MP2C	Mx	-.004	1
85	MP3A	X	-5.733	1
86	MP3A	Z	9.929	1
87	MP3A	Mx	-.003	1
88	MP3B	X	-3.796	1
89	MP3B	Z	6.575	1
90	MP3B	Mx	.004	1
91	MP3C	X	-5.294	1
92	MP3C	Z	9.169	1
93	MP3C	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.043	1.25
2	MP3A	Z	2.334	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-4.043	3.25
5	MP3A	Z	2.334	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-3.6	1.25
8	MP3B	Z	2.078	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	-3.6	3.25
11	MP3B	Z	2.078	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	-6.444	1.25
14	MP3C	Z	3.721	1.25
15	MP3C	Mx	.000646	1.25
16	MP3C	X	-6.444	3.25
17	MP3C	Z	3.721	3.25
18	MP3C	Mx	.000646	3.25
19	MP2A	X	-19.71	.25
20	MP2A	Z	11.38	.25
21	MP2A	Mx	.016	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-19.71	4.25
23	MP2A	Z	11.38	4.25
24	MP2A	Mx	.016	4.25
25	MP2B	X	-19.262	.25
26	MP2B	Z	11.121	.25
27	MP2B	Mx	-.006	.25
28	MP2B	X	-19.262	4.25
29	MP2B	Z	11.121	4.25
30	MP2B	Mx	-.006	4.25
31	MP2C	X	-22.134	.25
32	MP2C	Z	12.779	.25
33	MP2C	Mx	-.012	.25
34	MP2C	X	-22.134	4.25
35	MP2C	Z	12.779	4.25
36	MP2C	Mx	-.012	4.25
37	MP2A	X	-19.71	.25
38	MP2A	Z	11.38	.25
39	MP2A	Mx	.003	.25
40	MP2A	X	-19.71	4.25
41	MP2A	Z	11.38	4.25
42	MP2A	Mx	.003	4.25
43	MP2B	X	-19.262	.25
44	MP2B	Z	11.121	.25
45	MP2B	Mx	-.015	.25
46	MP2B	X	-19.262	4.25
47	MP2B	Z	11.121	4.25
48	MP2B	Mx	-.015	4.25
49	MP2C	X	-22.134	.25
50	MP2C	Z	12.779	.25
51	MP2C	Mx	.017	.25
52	MP2C	X	-22.134	4.25
53	MP2C	Z	12.779	4.25
54	MP2C	Mx	.017	4.25
55	MP1A	X	-7.496	1.25
56	MP1A	Z	4.328	1.25
57	MP1A	Mx	.004	1.25
58	MP1A	X	-7.496	3.25
59	MP1A	Z	4.328	3.25
60	MP1A	Mx	.004	3.25
61	MP1B	X	-6.491	1.25
62	MP1B	Z	3.748	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	-6.491	3.25
65	MP1B	Z	3.748	3.25
66	MP1B	Mx	-.004	3.25
67	MP1C	X	-13.163	1.25
68	MP1C	Z	7.6	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	-13.163	3.25
71	MP1C	Z	7.6	3.25
72	MP1C	Mx	0	3.25
73	M122	X	-19.882	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	11.479	1
75	M122	Mx	0	1
76	MP2A	X	-8.561	1
77	MP2A	Z	4.943	1
78	MP2A	Mx	-.004	1
79	MP2B	X	-8.112	1
80	MP2B	Z	4.684	1
81	MP2B	Mx	.004	1
82	MP2C	X	-10.992	1
83	MP2C	Z	6.346	1
84	MP2C	Mx	-.001	1
85	MP3A	X	-7.599	1
86	MP3A	Z	4.387	1
87	MP3A	Mx	-.004	1
88	MP3B	X	-6.979	1
89	MP3B	Z	4.029	1
90	MP3B	Mx	.004	1
91	MP3C	X	-10.954	1
92	MP3C	Z	6.324	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.706	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-3.706	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-5.966	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	-5.966	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	-7.107	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.001	1.25
16	MP3C	X	-7.107	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.001	3.25
19	MP2A	X	-21.787	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.011	.25
22	MP2A	X	-21.787	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	.011	4.25
25	MP2B	X	-24.069	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.003	.25
28	MP2B	X	-24.069	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	0	4.25
30	MP2B	Mx	.003	4.25
31	MP2C	X	-25.221	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.018	.25
34	MP2C	X	-25.221	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.018	4.25
37	MP2A	X	-21.787	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.011	.25
40	MP2A	X	-21.787	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.011	4.25
43	MP2B	X	-24.069	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.018	.25
46	MP2B	X	-24.069	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	-.018	4.25
49	MP2C	X	-25.221	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.01	.25
52	MP2C	X	-25.221	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.01	4.25
55	MP1A	X	-6.475	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.003	1.25
58	MP1A	X	-6.475	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	.003	3.25
61	MP1B	X	-11.594	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.004	1.25
64	MP1B	X	-11.594	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	-.004	3.25
67	MP1C	X	-13.018	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	-13.018	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	-.003	3.25
73	M122	X	-20.76	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	-8.911	1
77	MP2A	Z	0	1
78	MP2A	Mx	-.004	1
79	MP2B	X	-11.199	1
80	MP2B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	.004	1
82	MP2C	X	-12.354	1
83	MP2C	Z	0	1
84	MP2C	Mx	.002	1
85	MP3A	X	-7.429	1
86	MP3A	Z	0	1
87	MP3A	Mx	-.004	1
88	MP3B	X	-10.587	1
89	MP3B	Z	0	1
90	MP3B	Mx	.003	1
91	MP3C	X	-12.181	1
92	MP3C	Z	0	1
93	MP3C	Mx	.002	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-4.043	1.25
2	MP3A	Z	-2.334	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-4.043	3.25
5	MP3A	Z	-2.334	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-6.444	1.25
8	MP3B	Z	-3.721	1.25
9	MP3B	Mx	-.000646	1.25
10	MP3B	X	-6.444	3.25
11	MP3B	Z	-3.721	3.25
12	MP3B	Mx	-.000646	3.25
13	MP3C	X	-4.588	1.25
14	MP3C	Z	-2.649	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	-4.588	3.25
17	MP3C	Z	-2.649	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	-19.71	.25
20	MP2A	Z	-11.38	.25
21	MP2A	Mx	.003	.25
22	MP2A	X	-19.71	4.25
23	MP2A	Z	-11.38	4.25
24	MP2A	Mx	.003	4.25
25	MP2B	X	-22.134	.25
26	MP2B	Z	-12.779	.25
27	MP2B	Mx	.012	.25
28	MP2B	X	-22.134	4.25
29	MP2B	Z	-12.779	4.25
30	MP2B	Mx	.012	4.25
31	MP2C	X	-20.26	.25
32	MP2C	Z	-11.697	.25
33	MP2C	Mx	-.018	.25
34	MP2C	X	-20.26	4.25
35	MP2C	Z	-11.697	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	-.018	4.25
37	MP2A	X	-19.71	.25
38	MP2A	Z	-11.38	.25
39	MP2A	Mx	.016	.25
40	MP2A	X	-19.71	4.25
41	MP2A	Z	-11.38	4.25
42	MP2A	Mx	.016	4.25
43	MP2B	X	-22.134	.25
44	MP2B	Z	-12.779	.25
45	MP2B	Mx	-.017	.25
46	MP2B	X	-22.134	4.25
47	MP2B	Z	-12.779	4.25
48	MP2B	Mx	-.017	4.25
49	MP2C	X	-20.26	.25
50	MP2C	Z	-11.697	.25
51	MP2C	Mx	-.000189	.25
52	MP2C	X	-20.26	4.25
53	MP2C	Z	-11.697	4.25
54	MP2C	Mx	-.000189	4.25
55	MP1A	X	-7.496	1.25
56	MP1A	Z	-4.328	1.25
57	MP1A	Mx	.004	1.25
58	MP1A	X	-7.496	3.25
59	MP1A	Z	-4.328	3.25
60	MP1A	Mx	.004	3.25
61	MP1B	X	-12.935	1.25
62	MP1B	Z	-7.468	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-12.935	3.25
65	MP1B	Z	-7.468	3.25
66	MP1B	Mx	-.001	3.25
67	MP1C	X	-7.496	1.25
68	MP1C	Z	-4.328	1.25
69	MP1C	Mx	-.004	1.25
70	MP1C	X	-7.496	3.25
71	MP1C	Z	-4.328	3.25
72	MP1C	Mx	-.004	3.25
73	M122	X	-18.41	1
74	M122	Z	-10.629	1
75	M122	Mx	0	1
76	MP2A	X	-8.561	1
77	MP2A	Z	-4.943	1
78	MP2A	Mx	-.004	1
79	MP2B	X	-10.992	1
80	MP2B	Z	-6.346	1
81	MP2B	Mx	.001	1
82	MP2C	X	-9.112	1
83	MP2C	Z	-5.261	1
84	MP2C	Mx	.004	1
85	MP3A	X	-7.599	1
86	MP3A	Z	-4.387	1
87	MP3A	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	-10.954	1
89	MP3B	Z	-6.324	1
90	MP3B	Mx	.001	1
91	MP3C	X	-8.359	1
92	MP3C	Z	-4.826	1
93	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.297	1.25
2	MP3A	Z	-5.711	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-3.297	3.25
5	MP3A	Z	-5.711	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-3.553	1.25
8	MP3B	Z	-6.155	1.25
9	MP3B	Mx	.001	1.25
10	MP3B	X	-3.553	3.25
11	MP3B	Z	-6.155	3.25
12	MP3B	Mx	.001	3.25
13	MP3C	X	-1.911	1.25
14	MP3C	Z	-3.31	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	-1.911	3.25
17	MP3C	Z	-3.31	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	-12.352	.25
20	MP2A	Z	-21.394	.25
21	MP2A	Mx	-.006	.25
22	MP2A	X	-12.352	4.25
23	MP2A	Z	-21.394	4.25
24	MP2A	Mx	-.006	4.25
25	MP2B	X	-12.61	.25
26	MP2B	Z	-21.842	.25
27	MP2B	Mx	.018	.25
28	MP2B	X	-12.61	4.25
29	MP2B	Z	-21.842	4.25
30	MP2B	Mx	.018	4.25
31	MP2C	X	-10.952	.25
32	MP2C	Z	-18.97	.25
33	MP2C	Mx	-.013	.25
34	MP2C	X	-10.952	4.25
35	MP2C	Z	-18.97	4.25
36	MP2C	Mx	-.013	4.25
37	MP2A	X	-12.352	.25
38	MP2A	Z	-21.394	.25
39	MP2A	Mx	.019	.25
40	MP2A	X	-12.352	4.25
41	MP2A	Z	-21.394	4.25
42	MP2A	Mx	.019	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	-12.61	.25
44	MP2B	Z	-21.842	.25
45	MP2B	Mx	-.01	.25
46	MP2B	X	-12.61	4.25
47	MP2B	Z	-21.842	4.25
48	MP2B	Mx	-.01	4.25
49	MP2C	X	-10.952	.25
50	MP2C	Z	-18.97	.25
51	MP2C	Mx	-.009	.25
52	MP2C	X	-10.952	4.25
53	MP2C	Z	-18.97	4.25
54	MP2C	Mx	-.009	4.25
55	MP1A	X	-6.509	1.25
56	MP1A	Z	-11.274	1.25
57	MP1A	Mx	.003	1.25
58	MP1A	X	-6.509	3.25
59	MP1A	Z	-11.274	3.25
60	MP1A	Mx	.003	3.25
61	MP1B	X	-7.089	1.25
62	MP1B	Z	-12.279	1.25
63	MP1B	Mx	.002	1.25
64	MP1B	X	-7.089	3.25
65	MP1B	Z	-12.279	3.25
66	MP1B	Mx	.002	3.25
67	MP1C	X	-3.237	1.25
68	MP1C	Z	-5.607	1.25
69	MP1C	Mx	-.003	1.25
70	MP1C	X	-3.237	3.25
71	MP1C	Z	-5.607	3.25
72	MP1C	Mx	-.003	3.25
73	M122	X	-11.977	1
74	M122	Z	-20.745	1
75	M122	Mx	0	1
76	MP2A	X	-5.918	1
77	MP2A	Z	-10.25	1
78	MP2A	Mx	-.003	1
79	MP2B	X	-6.177	1
80	MP2B	Z	-10.699	1
81	MP2B	Mx	-.002	1
82	MP2C	X	-4.514	1
83	MP2C	Z	-7.819	1
84	MP2C	Mx	.004	1
85	MP3A	X	-5.733	1
86	MP3A	Z	-9.929	1
87	MP3A	Mx	-.003	1
88	MP3B	X	-6.09	1
89	MP3B	Z	-10.549	1
90	MP3B	Mx	-.002	1
91	MP3C	X	-3.796	1
92	MP3C	Z	-6.575	1
93	MP3C	Mx	.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	-2.288	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-2.288	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-1.541	1.25
9	MP3B	Mx	.00059	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-1.541	3.25
12	MP3B	Mx	.00059	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-1.164	1.25
15	MP3C	Mx	-.000547	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-1.164	3.25
18	MP3C	Mx	-.000547	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-8.378	.25
21	MP2A	Mx	-.005	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-8.378	4.25
24	MP2A	Mx	-.005	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-7.573	.25
27	MP2B	Mx	.006	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-7.573	4.25
30	MP2B	Mx	.006	4.25
31	MP2C	X	0	.25
32	MP2C	Z	-7.168	.25
33	MP2C	Mx	-.002	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-7.168	4.25
36	MP2C	Mx	-.002	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-8.378	.25
39	MP2A	Mx	.005	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-8.378	4.25
42	MP2A	Mx	.005	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-7.573	.25
45	MP2B	Mx	6.1e-5	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-7.573	4.25
48	MP2B	Mx	6.1e-5	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-7.168	.25
51	MP2C	Mx	-.005	.25
52	MP2C	X	0	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	-7.168	4.25
54	MP2C	Mx	-.005	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	-4.843	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	-4.843	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	-3.114	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	-3.114	3.25
66	MP1B	Mx	.001	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	-2.633	1.25
69	MP1C	Mx	-.001	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	-2.633	3.25
72	MP1C	Mx	-.001	3.25
73	M122	X	0	1
74	M122	Z	-8.308	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	-3.854	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	-3.104	1
81	MP2B	Mx	-.001	1
82	MP2C	X	0	1
83	MP2C	Z	-2.726	1
84	MP2C	Mx	.001	1
85	MP3A	X	0	1
86	MP3A	Z	-3.854	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	-2.817	1
90	MP3B	Mx	-.001	1
91	MP3C	X	0	1
92	MP3C	Z	-2.293	1
93	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.985	1.25
2	MP3A	Z	-1.706	1.25
3	MP3A	Mx	-.000492	1.25
4	MP3A	X	.985	3.25
5	MP3A	Z	-1.706	3.25
6	MP3A	Mx	-.000492	3.25
7	MP3B	X	.527	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	-.912	1.25
9	MP3B	Mx	.000519	1.25
10	MP3B	X	.527	3.25
11	MP3B	Z	-.912	3.25
12	MP3B	Mx	.000519	3.25
13	MP3C	X	.881	1.25
14	MP3C	Z	-1.526	1.25
15	MP3C	Mx	-.000566	1.25
16	MP3C	X	.881	3.25
17	MP3C	Z	-1.526	3.25
18	MP3C	Mx	-.000566	3.25
19	MP2A	X	4.018	.25
20	MP2A	Z	-6.959	.25
21	MP2A	Mx	-.006	.25
22	MP2A	X	4.018	4.25
23	MP2A	Z	-6.959	4.25
24	MP2A	Mx	-.006	4.25
25	MP2B	X	3.524	.25
26	MP2B	Z	-6.104	.25
27	MP2B	Mx	.004	.25
28	MP2B	X	3.524	4.25
29	MP2B	Z	-6.104	4.25
30	MP2B	Mx	.004	4.25
31	MP2C	X	3.906	.25
32	MP2C	Z	-6.765	.25
33	MP2C	Mx	.00098	.25
34	MP2C	X	3.906	4.25
35	MP2C	Z	-6.765	4.25
36	MP2C	Mx	.00098	4.25
37	MP2A	X	4.018	.25
38	MP2A	Z	-6.959	.25
39	MP2A	Mx	.002	.25
40	MP2A	X	4.018	4.25
41	MP2A	Z	-6.959	4.25
42	MP2A	Mx	.002	4.25
43	MP2B	X	3.524	.25
44	MP2B	Z	-6.104	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	3.524	4.25
47	MP2B	Z	-6.104	4.25
48	MP2B	Mx	.003	4.25
49	MP2C	X	3.906	.25
50	MP2C	Z	-6.765	.25
51	MP2C	Mx	-.006	.25
52	MP2C	X	3.906	4.25
53	MP2C	Z	-6.765	4.25
54	MP2C	Mx	-.006	4.25
55	MP1A	X	2.053	1.25
56	MP1A	Z	-3.556	1.25
57	MP1A	Mx	-.001	1.25
58	MP1A	X	2.053	3.25
59	MP1A	Z	-3.556	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.001	3.25
61	MP1B	X	.992	1.25
62	MP1B	Z	-1.719	1.25
63	MP1B	Mx	.000977	1.25
64	MP1B	X	.992	3.25
65	MP1B	Z	-1.719	3.25
66	MP1B	Mx	.000977	3.25
67	MP1C	X	2.053	1.25
68	MP1C	Z	-3.556	1.25
69	MP1C	Mx	-.001	1.25
70	MP1C	X	2.053	3.25
71	MP1C	Z	-3.556	3.25
72	MP1C	Mx	-.001	3.25
73	M122	X	4.068	1
74	M122	Z	-7.045	1
75	M122	Mx	0	1
76	MP2A	X	1.767	1
77	MP2A	Z	-3.061	1
78	MP2A	Mx	.000884	1
79	MP2B	X	1.307	1
80	MP2B	Z	-2.264	1
81	MP2B	Mx	-.001	1
82	MP2C	X	1.663	1
83	MP2C	Z	-2.88	1
84	MP2C	Mx	.001	1
85	MP3A	X	1.706	1
86	MP3A	Z	-2.955	1
87	MP3A	Mx	.000853	1
88	MP3B	X	1.07	1
89	MP3B	Z	-1.853	1
90	MP3B	Mx	-.001	1
91	MP3C	X	1.562	1
92	MP3C	Z	-2.705	1
93	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.154	1.25
2	MP3A	Z	-.666	1.25
3	MP3A	Mx	-.000577	1.25
4	MP3A	X	1.154	3.25
5	MP3A	Z	-.666	3.25
6	MP3A	Mx	-.000577	3.25
7	MP3B	X	1.008	1.25
8	MP3B	Z	-.582	1.25
9	MP3B	Mx	.000547	1.25
10	MP3B	X	1.008	3.25
11	MP3B	Z	-.582	3.25
12	MP3B	Mx	.000547	3.25
13	MP3C	X	1.948	1.25
14	MP3C	Z	-1.125	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	-.000195	1.25
16	MP3C	X	1.948	3.25
17	MP3C	Z	-1.125	3.25
18	MP3C	Mx	-.000195	3.25
19	MP2A	X	6.365	.25
20	MP2A	Z	-3.675	.25
21	MP2A	Mx	-.005	.25
22	MP2A	X	6.365	4.25
23	MP2A	Z	-3.675	4.25
24	MP2A	Mx	-.005	4.25
25	MP2B	X	6.207	.25
26	MP2B	Z	-3.584	.25
27	MP2B	Mx	.002	.25
28	MP2B	X	6.207	4.25
29	MP2B	Z	-3.584	4.25
30	MP2B	Mx	.002	4.25
31	MP2C	X	7.22	.25
32	MP2C	Z	-4.168	.25
33	MP2C	Mx	.004	.25
34	MP2C	X	7.22	4.25
35	MP2C	Z	-4.168	4.25
36	MP2C	Mx	.004	4.25
37	MP2A	X	6.365	.25
38	MP2A	Z	-3.675	.25
39	MP2A	Mx	-.001	.25
40	MP2A	X	6.365	4.25
41	MP2A	Z	-3.675	4.25
42	MP2A	Mx	-.001	4.25
43	MP2B	X	6.207	.25
44	MP2B	Z	-3.584	.25
45	MP2B	Mx	.005	.25
46	MP2B	X	6.207	4.25
47	MP2B	Z	-3.584	4.25
48	MP2B	Mx	.005	4.25
49	MP2C	X	7.22	.25
50	MP2C	Z	-4.168	.25
51	MP2C	Mx	-.006	.25
52	MP2C	X	7.22	4.25
53	MP2C	Z	-4.168	4.25
54	MP2C	Mx	-.006	4.25
55	MP1A	X	2.28	1.25
56	MP1A	Z	-1.316	1.25
57	MP1A	Mx	-.001	1.25
58	MP1A	X	2.28	3.25
59	MP1A	Z	-1.316	3.25
60	MP1A	Mx	-.001	3.25
61	MP1B	X	1.941	1.25
62	MP1B	Z	-1.12	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	1.941	3.25
65	MP1B	Z	-1.12	3.25
66	MP1B	Mx	.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	4.194	1.25
68	MP1C	Z	-2.422	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	4.194	3.25
71	MP1C	Z	-2.422	3.25
72	MP1C	Mx	0	3.25
73	M122	X	6.238	1
74	M122	Z	-3.602	1
75	M122	Mx	0	1
76	MP2A	X	2.508	1
77	MP2A	Z	-1.448	1
78	MP2A	Mx	.001	1
79	MP2B	X	2.36	1
80	MP2B	Z	-1.363	1
81	MP2B	Mx	-.001	1
82	MP2C	X	3.304	1
83	MP2C	Z	-1.908	1
84	MP2C	Mx	.000331	1
85	MP3A	X	2.19	1
86	MP3A	Z	-1.264	1
87	MP3A	Mx	.001	1
88	MP3B	X	1.986	1
89	MP3B	Z	-1.147	1
90	MP3B	Mx	-.001	1
91	MP3C	X	3.291	1
92	MP3C	Z	-1.9	1
93	MP3C	Mx	.00033	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.015	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.000508	1.25
4	MP3A	X	1.015	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.000508	3.25
7	MP3B	X	1.762	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.000566	1.25
10	MP3B	X	1.762	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.000566	3.25
13	MP3C	X	2.139	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.000366	1.25
16	MP3C	X	2.139	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.000366	3.25
19	MP2A	X	7.007	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.004	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	7.007	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	-.004	4.25
25	MP2B	X	7.811	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.00098	.25
28	MP2B	X	7.811	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.00098	4.25
31	MP2C	X	8.217	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.006	.25
34	MP2C	X	8.217	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	.006	4.25
37	MP2A	X	7.007	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.004	.25
40	MP2A	X	7.007	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.004	4.25
43	MP2B	X	7.811	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.006	.25
46	MP2B	X	7.811	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.006	4.25
49	MP2C	X	8.217	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	8.217	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.003	4.25
55	MP1A	X	1.896	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	-.000948	1.25
58	MP1A	X	1.896	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	-.000948	3.25
61	MP1B	X	3.626	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	.001	1.25
64	MP1B	X	3.626	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	.001	3.25
67	MP1C	X	4.106	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	.001	1.25
70	MP1C	X	4.106	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	.001	3.25
73	M122	X	6.444	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	2.576	1
77	MP2A	Z	0	1
78	MP2A	Mx	.001	1
79	MP2B	X	3.326	1
80	MP2B	Z	0	1
81	MP2B	Mx	-.001	1
82	MP2C	X	3.704	1
83	MP2C	Z	0	1
84	MP2C	Mx	-.000633	1
85	MP3A	X	2.087	1
86	MP3A	Z	0	1
87	MP3A	Mx	.001	1
88	MP3B	X	3.124	1
89	MP3B	Z	0	1
90	MP3B	Mx	-.001	1
91	MP3C	X	3.647	1
92	MP3C	Z	0	1
93	MP3C	Mx	-.000624	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	1.154	1.25
2	MP3A	Z	.666	1.25
3	MP3A	Mx	-.000577	1.25
4	MP3A	X	1.154	3.25
5	MP3A	Z	.666	3.25
6	MP3A	Mx	-.000577	3.25
7	MP3B	X	1.948	1.25
8	MP3B	Z	1.125	1.25
9	MP3B	Mx	.000195	1.25
10	MP3B	X	1.948	3.25
11	MP3B	Z	1.125	3.25
12	MP3B	Mx	.000195	3.25
13	MP3C	X	1.334	1.25
14	MP3C	Z	.77	1.25
15	MP3C	Mx	.00059	1.25
16	MP3C	X	1.334	3.25
17	MP3C	Z	.77	3.25
18	MP3C	Mx	.00059	3.25
19	MP2A	X	6.365	.25
20	MP2A	Z	3.675	.25
21	MP2A	Mx	-.001	.25
22	MP2A	X	6.365	4.25
23	MP2A	Z	3.675	4.25
24	MP2A	Mx	-.001	4.25
25	MP2B	X	7.22	.25
26	MP2B	Z	4.168	.25
27	MP2B	Mx	-.004	.25
28	MP2B	X	7.22	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	4.168	4.25
30	MP2B	Mx	-.004	4.25
31	MP2C	X	6.559	.25
32	MP2C	Z	3.787	.25
33	MP2C	Mx	.006	.25
34	MP2C	X	6.559	4.25
35	MP2C	Z	3.787	4.25
36	MP2C	Mx	.006	4.25
37	MP2A	X	6.365	.25
38	MP2A	Z	3.675	.25
39	MP2A	Mx	-.005	.25
40	MP2A	X	6.365	4.25
41	MP2A	Z	3.675	4.25
42	MP2A	Mx	-.005	4.25
43	MP2B	X	7.22	.25
44	MP2B	Z	4.168	.25
45	MP2B	Mx	.006	.25
46	MP2B	X	7.22	4.25
47	MP2B	Z	4.168	4.25
48	MP2B	Mx	.006	4.25
49	MP2C	X	6.559	.25
50	MP2C	Z	3.787	.25
51	MP2C	Mx	6.1e-5	.25
52	MP2C	X	6.559	4.25
53	MP2C	Z	3.787	4.25
54	MP2C	Mx	6.1e-5	4.25
55	MP1A	X	2.28	1.25
56	MP1A	Z	1.316	1.25
57	MP1A	Mx	-.001	1.25
58	MP1A	X	2.28	3.25
59	MP1A	Z	1.316	3.25
60	MP1A	Mx	-.001	3.25
61	MP1B	X	4.117	1.25
62	MP1B	Z	2.377	1.25
63	MP1B	Mx	.000413	1.25
64	MP1B	X	4.117	3.25
65	MP1B	Z	2.377	3.25
66	MP1B	Mx	.000413	3.25
67	MP1C	X	2.28	1.25
68	MP1C	Z	1.316	1.25
69	MP1C	Mx	.001	1.25
70	MP1C	X	2.28	3.25
71	MP1C	Z	1.316	3.25
72	MP1C	Mx	.001	3.25
73	M122	X	5.729	1
74	M122	Z	3.308	1
75	M122	Mx	0	1
76	MP2A	X	2.508	1
77	MP2A	Z	1.448	1
78	MP2A	Mx	.001	1
79	MP2B	X	3.304	1
80	MP2B	Z	1.908	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.000331	1
82	MP2C	X	2.688	1
83	MP2C	Z	1.552	1
84	MP2C	Mx	-.001	1
85	MP3A	X	2.19	1
86	MP3A	Z	1.264	1
87	MP3A	Mx	.001	1
88	MP3B	X	3.291	1
89	MP3B	Z	1.9	1
90	MP3B	Mx	-.00033	1
91	MP3C	X	2.439	1
92	MP3C	Z	1.408	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.985	1.25
2	MP3A	Z	1.706	1.25
3	MP3A	Mx	-.000492	1.25
4	MP3A	X	.985	3.25
5	MP3A	Z	1.706	3.25
6	MP3A	Mx	-.000492	3.25
7	MP3B	X	1.069	1.25
8	MP3B	Z	1.852	1.25
9	MP3B	Mx	-.000366	1.25
10	MP3B	X	1.069	3.25
11	MP3B	Z	1.852	3.25
12	MP3B	Mx	-.000366	3.25
13	MP3C	X	.527	1.25
14	MP3C	Z	.912	1.25
15	MP3C	Mx	.000519	1.25
16	MP3C	X	.527	3.25
17	MP3C	Z	.912	3.25
18	MP3C	Mx	.000519	3.25
19	MP2A	X	4.018	.25
20	MP2A	Z	6.959	.25
21	MP2A	Mx	.002	.25
22	MP2A	X	4.018	4.25
23	MP2A	Z	6.959	4.25
24	MP2A	Mx	.002	4.25
25	MP2B	X	4.109	.25
26	MP2B	Z	7.116	.25
27	MP2B	Mx	-.006	.25
28	MP2B	X	4.109	4.25
29	MP2B	Z	7.116	4.25
30	MP2B	Mx	-.006	4.25
31	MP2C	X	3.524	.25
32	MP2C	Z	6.104	.25
33	MP2C	Mx	.004	.25
34	MP2C	X	3.524	4.25
35	MP2C	Z	6.104	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP2C	Mx	.004	4.25
37	MP2A	X	4.018	.25
38	MP2A	Z	6.959	.25
39	MP2A	Mx	-.006	.25
40	MP2A	X	4.018	4.25
41	MP2A	Z	6.959	4.25
42	MP2A	Mx	-.006	4.25
43	MP2B	X	4.109	.25
44	MP2B	Z	7.116	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	4.109	4.25
47	MP2B	Z	7.116	4.25
48	MP2B	Mx	.003	4.25
49	MP2C	X	3.524	.25
50	MP2C	Z	6.104	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	3.524	4.25
53	MP2C	Z	6.104	4.25
54	MP2C	Mx	.003	4.25
55	MP1A	X	2.053	1.25
56	MP1A	Z	3.556	1.25
57	MP1A	Mx	-.001	1.25
58	MP1A	X	2.053	3.25
59	MP1A	Z	3.556	3.25
60	MP1A	Mx	-.001	3.25
61	MP1B	X	2.249	1.25
62	MP1B	Z	3.896	1.25
63	MP1B	Mx	-.000769	1.25
64	MP1B	X	2.249	3.25
65	MP1B	Z	3.896	3.25
66	MP1B	Mx	-.000769	3.25
67	MP1C	X	.948	1.25
68	MP1C	Z	1.642	1.25
69	MP1C	Mx	.000948	1.25
70	MP1C	X	.948	3.25
71	MP1C	Z	1.642	3.25
72	MP1C	Mx	.000948	3.25
73	M122	X	3.774	1
74	M122	Z	6.537	1
75	M122	Mx	0	1
76	MP2A	X	1.767	1
77	MP2A	Z	3.061	1
78	MP2A	Mx	.000884	1
79	MP2B	X	1.852	1
80	MP2B	Z	3.208	1
81	MP2B	Mx	.000634	1
82	MP2C	X	1.307	1
83	MP2C	Z	2.264	1
84	MP2C	Mx	-.001	1
85	MP3A	X	1.706	1
86	MP3A	Z	2.955	1
87	MP3A	Mx	.000853	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP3B	X	1.824	1
89	MP3B	Z	3.159	1
90	MP3B	Mx	.000624	1
91	MP3C	X	1.07	1
92	MP3C	Z	1.853	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	1.25
2	MP3A	Z	2.288	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	2.288	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	1.541	1.25
9	MP3B	Mx	-.00059	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	1.541	3.25
12	MP3B	Mx	-.00059	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	1.164	1.25
15	MP3C	Mx	.000547	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	1.164	3.25
18	MP3C	Mx	.000547	3.25
19	MP2A	X	0	.25
20	MP2A	Z	8.378	.25
21	MP2A	Mx	.005	.25
22	MP2A	X	0	4.25
23	MP2A	Z	8.378	4.25
24	MP2A	Mx	.005	4.25
25	MP2B	X	0	.25
26	MP2B	Z	7.573	.25
27	MP2B	Mx	-.006	.25
28	MP2B	X	0	4.25
29	MP2B	Z	7.573	4.25
30	MP2B	Mx	-.006	4.25
31	MP2C	X	0	.25
32	MP2C	Z	7.168	.25
33	MP2C	Mx	.002	.25
34	MP2C	X	0	4.25
35	MP2C	Z	7.168	4.25
36	MP2C	Mx	.002	4.25
37	MP2A	X	0	.25
38	MP2A	Z	8.378	.25
39	MP2A	Mx	-.005	.25
40	MP2A	X	0	4.25
41	MP2A	Z	8.378	4.25
42	MP2A	Mx	-.005	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP2B	X	0	.25
44	MP2B	Z	7.573	.25
45	MP2B	Mx	-6.1e-5	.25
46	MP2B	X	0	4.25
47	MP2B	Z	7.573	4.25
48	MP2B	Mx	-6.1e-5	4.25
49	MP2C	X	0	.25
50	MP2C	Z	7.168	.25
51	MP2C	Mx	.005	.25
52	MP2C	X	0	4.25
53	MP2C	Z	7.168	4.25
54	MP2C	Mx	.005	4.25
55	MP1A	X	0	1.25
56	MP1A	Z	4.843	1.25
57	MP1A	Mx	0	1.25
58	MP1A	X	0	3.25
59	MP1A	Z	4.843	3.25
60	MP1A	Mx	0	3.25
61	MP1B	X	0	1.25
62	MP1B	Z	3.114	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	0	3.25
65	MP1B	Z	3.114	3.25
66	MP1B	Mx	-.001	3.25
67	MP1C	X	0	1.25
68	MP1C	Z	2.633	1.25
69	MP1C	Mx	.001	1.25
70	MP1C	X	0	3.25
71	MP1C	Z	2.633	3.25
72	MP1C	Mx	.001	3.25
73	M122	X	0	1
74	M122	Z	8.308	1
75	M122	Mx	0	1
76	MP2A	X	0	1
77	MP2A	Z	3.854	1
78	MP2A	Mx	0	1
79	MP2B	X	0	1
80	MP2B	Z	3.104	1
81	MP2B	Mx	.001	1
82	MP2C	X	0	1
83	MP2C	Z	2.726	1
84	MP2C	Mx	-.001	1
85	MP3A	X	0	1
86	MP3A	Z	3.854	1
87	MP3A	Mx	0	1
88	MP3B	X	0	1
89	MP3B	Z	2.817	1
90	MP3B	Mx	.001	1
91	MP3C	X	0	1
92	MP3C	Z	2.293	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.985	1.25
2	MP3A	Z	1.706	1.25
3	MP3A	Mx	.000492	1.25
4	MP3A	X	-.985	3.25
5	MP3A	Z	1.706	3.25
6	MP3A	Mx	.000492	3.25
7	MP3B	X	-.527	1.25
8	MP3B	Z	.912	1.25
9	MP3B	Mx	-.000519	1.25
10	MP3B	X	-.527	3.25
11	MP3B	Z	.912	3.25
12	MP3B	Mx	-.000519	3.25
13	MP3C	X	-.881	1.25
14	MP3C	Z	1.526	1.25
15	MP3C	Mx	.000566	1.25
16	MP3C	X	-.881	3.25
17	MP3C	Z	1.526	3.25
18	MP3C	Mx	.000566	3.25
19	MP2A	X	-4.018	.25
20	MP2A	Z	6.959	.25
21	MP2A	Mx	.006	.25
22	MP2A	X	-4.018	4.25
23	MP2A	Z	6.959	4.25
24	MP2A	Mx	.006	4.25
25	MP2B	X	-3.524	.25
26	MP2B	Z	6.104	.25
27	MP2B	Mx	-.004	.25
28	MP2B	X	-3.524	4.25
29	MP2B	Z	6.104	4.25
30	MP2B	Mx	-.004	4.25
31	MP2C	X	-3.906	.25
32	MP2C	Z	6.765	.25
33	MP2C	Mx	-.00098	.25
34	MP2C	X	-3.906	4.25
35	MP2C	Z	6.765	4.25
36	MP2C	Mx	-.00098	4.25
37	MP2A	X	-4.018	.25
38	MP2A	Z	6.959	.25
39	MP2A	Mx	-.002	.25
40	MP2A	X	-4.018	4.25
41	MP2A	Z	6.959	4.25
42	MP2A	Mx	-.002	4.25
43	MP2B	X	-3.524	.25
44	MP2B	Z	6.104	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	-3.524	4.25
47	MP2B	Z	6.104	4.25
48	MP2B	Mx	-.003	4.25
49	MP2C	X	-3.906	.25
50	MP2C	Z	6.765	.25
51	MP2C	Mx	.006	.25
52	MP2C	X	-3.906	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP2C	Z	6.765	4.25
54	MP2C	Mx	.006	4.25
55	MP1A	X	-2.053	1.25
56	MP1A	Z	3.556	1.25
57	MP1A	Mx	.001	1.25
58	MP1A	X	-2.053	3.25
59	MP1A	Z	3.556	3.25
60	MP1A	Mx	.001	3.25
61	MP1B	X	-.992	1.25
62	MP1B	Z	1.719	1.25
63	MP1B	Mx	-.000977	1.25
64	MP1B	X	-.992	3.25
65	MP1B	Z	1.719	3.25
66	MP1B	Mx	-.000977	3.25
67	MP1C	X	-2.053	1.25
68	MP1C	Z	3.556	1.25
69	MP1C	Mx	.001	1.25
70	MP1C	X	-2.053	3.25
71	MP1C	Z	3.556	3.25
72	MP1C	Mx	.001	3.25
73	M122	X	-4.068	1
74	M122	Z	7.045	1
75	M122	Mx	0	1
76	MP2A	X	-1.767	1
77	MP2A	Z	3.061	1
78	MP2A	Mx	-.000884	1
79	MP2B	X	-1.307	1
80	MP2B	Z	2.264	1
81	MP2B	Mx	.001	1
82	MP2C	X	-1.663	1
83	MP2C	Z	2.88	1
84	MP2C	Mx	-.001	1
85	MP3A	X	-1.706	1
86	MP3A	Z	2.955	1
87	MP3A	Mx	-.000853	1
88	MP3B	X	-1.07	1
89	MP3B	Z	1.853	1
90	MP3B	Mx	.001	1
91	MP3C	X	-1.562	1
92	MP3C	Z	2.705	1
93	MP3C	Mx	-.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.154	1.25
2	MP3A	Z	.666	1.25
3	MP3A	Mx	.000577	1.25
4	MP3A	X	-1.154	3.25
5	MP3A	Z	.666	3.25
6	MP3A	Mx	.000577	3.25
7	MP3B	X	-1.008	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Z	.582	1.25
9	MP3B	Mx	-.000547	1.25
10	MP3B	X	-1.008	3.25
11	MP3B	Z	.582	3.25
12	MP3B	Mx	-.000547	3.25
13	MP3C	X	-1.948	1.25
14	MP3C	Z	1.125	1.25
15	MP3C	Mx	.000195	1.25
16	MP3C	X	-1.948	3.25
17	MP3C	Z	1.125	3.25
18	MP3C	Mx	.000195	3.25
19	MP2A	X	-6.365	.25
20	MP2A	Z	3.675	.25
21	MP2A	Mx	.005	.25
22	MP2A	X	-6.365	4.25
23	MP2A	Z	3.675	4.25
24	MP2A	Mx	.005	4.25
25	MP2B	X	-6.207	.25
26	MP2B	Z	3.584	.25
27	MP2B	Mx	-.002	.25
28	MP2B	X	-6.207	4.25
29	MP2B	Z	3.584	4.25
30	MP2B	Mx	-.002	4.25
31	MP2C	X	-7.22	.25
32	MP2C	Z	4.168	.25
33	MP2C	Mx	-.004	.25
34	MP2C	X	-7.22	4.25
35	MP2C	Z	4.168	4.25
36	MP2C	Mx	-.004	4.25
37	MP2A	X	-6.365	.25
38	MP2A	Z	3.675	.25
39	MP2A	Mx	.001	.25
40	MP2A	X	-6.365	4.25
41	MP2A	Z	3.675	4.25
42	MP2A	Mx	.001	4.25
43	MP2B	X	-6.207	.25
44	MP2B	Z	3.584	.25
45	MP2B	Mx	-.005	.25
46	MP2B	X	-6.207	4.25
47	MP2B	Z	3.584	4.25
48	MP2B	Mx	-.005	4.25
49	MP2C	X	-7.22	.25
50	MP2C	Z	4.168	.25
51	MP2C	Mx	.006	.25
52	MP2C	X	-7.22	4.25
53	MP2C	Z	4.168	4.25
54	MP2C	Mx	.006	4.25
55	MP1A	X	-2.28	1.25
56	MP1A	Z	1.316	1.25
57	MP1A	Mx	.001	1.25
58	MP1A	X	-2.28	3.25
59	MP1A	Z	1.316	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	.001	3.25
61	MP1B	X	-1.941	1.25
62	MP1B	Z	1.12	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-1.941	3.25
65	MP1B	Z	1.12	3.25
66	MP1B	Mx	-.001	3.25
67	MP1C	X	-4.194	1.25
68	MP1C	Z	2.422	1.25
69	MP1C	Mx	0	1.25
70	MP1C	X	-4.194	3.25
71	MP1C	Z	2.422	3.25
72	MP1C	Mx	0	3.25
73	M122	X	-6.238	1
74	M122	Z	3.602	1
75	M122	Mx	0	1
76	MP2A	X	-2.508	1
77	MP2A	Z	1.448	1
78	MP2A	Mx	-.001	1
79	MP2B	X	-2.36	1
80	MP2B	Z	1.363	1
81	MP2B	Mx	.001	1
82	MP2C	X	-3.304	1
83	MP2C	Z	1.908	1
84	MP2C	Mx	-.000331	1
85	MP3A	X	-2.19	1
86	MP3A	Z	1.264	1
87	MP3A	Mx	-.001	1
88	MP3B	X	-1.986	1
89	MP3B	Z	1.147	1
90	MP3B	Mx	.001	1
91	MP3C	X	-3.291	1
92	MP3C	Z	1.9	1
93	MP3C	Mx	-.00033	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.015	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.000508	1.25
4	MP3A	X	-1.015	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.000508	3.25
7	MP3B	X	-1.762	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.000566	1.25
10	MP3B	X	-1.762	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.000566	3.25
13	MP3C	X	-2.139	1.25
14	MP3C	Z	0	1.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mx	-.000366	1.25
16	MP3C	X	-2.139	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.000366	3.25
19	MP2A	X	-7.007	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.004	.25
22	MP2A	X	-7.007	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	.004	4.25
25	MP2B	X	-7.811	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.00098	.25
28	MP2B	X	-7.811	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	.00098	4.25
31	MP2C	X	-8.217	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.006	.25
34	MP2C	X	-8.217	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.006	4.25
37	MP2A	X	-7.007	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.004	.25
40	MP2A	X	-7.007	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.004	4.25
43	MP2B	X	-7.811	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.006	.25
46	MP2B	X	-7.811	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	-.006	4.25
49	MP2C	X	-8.217	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	-8.217	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.003	4.25
55	MP1A	X	-1.896	1.25
56	MP1A	Z	0	1.25
57	MP1A	Mx	.000948	1.25
58	MP1A	X	-1.896	3.25
59	MP1A	Z	0	3.25
60	MP1A	Mx	.000948	3.25
61	MP1B	X	-3.626	1.25
62	MP1B	Z	0	1.25
63	MP1B	Mx	-.001	1.25
64	MP1B	X	-3.626	3.25
65	MP1B	Z	0	3.25
66	MP1B	Mx	-.001	3.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	-4.106	1.25
68	MP1C	Z	0	1.25
69	MP1C	Mx	-.001	1.25
70	MP1C	X	-4.106	3.25
71	MP1C	Z	0	3.25
72	MP1C	Mx	-.001	3.25
73	M122	X	-6.444	1
74	M122	Z	0	1
75	M122	Mx	0	1
76	MP2A	X	-2.576	1
77	MP2A	Z	0	1
78	MP2A	Mx	-.001	1
79	MP2B	X	-3.326	1
80	MP2B	Z	0	1
81	MP2B	Mx	.001	1
82	MP2C	X	-3.704	1
83	MP2C	Z	0	1
84	MP2C	Mx	.000633	1
85	MP3A	X	-2.087	1
86	MP3A	Z	0	1
87	MP3A	Mx	-.001	1
88	MP3B	X	-3.124	1
89	MP3B	Z	0	1
90	MP3B	Mx	.001	1
91	MP3C	X	-3.647	1
92	MP3C	Z	0	1
93	MP3C	Mx	.000624	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-1.154	1.25
2	MP3A	Z	-.666	1.25
3	MP3A	Mx	.000577	1.25
4	MP3A	X	-1.154	3.25
5	MP3A	Z	-.666	3.25
6	MP3A	Mx	.000577	3.25
7	MP3B	X	-1.948	1.25
8	MP3B	Z	-1.125	1.25
9	MP3B	Mx	-.000195	1.25
10	MP3B	X	-1.948	3.25
11	MP3B	Z	-1.125	3.25
12	MP3B	Mx	-.000195	3.25
13	MP3C	X	-1.334	1.25
14	MP3C	Z	-.77	1.25
15	MP3C	Mx	-.00059	1.25
16	MP3C	X	-1.334	3.25
17	MP3C	Z	-.77	3.25
18	MP3C	Mx	-.00059	3.25
19	MP2A	X	-6.365	.25
20	MP2A	Z	-3.675	.25
21	MP2A	Mx	.001	.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
22	MP2A	X	-6.365	4.25
23	MP2A	Z	-3.675	4.25
24	MP2A	Mx	.001	4.25
25	MP2B	X	-7.22	.25
26	MP2B	Z	-4.168	.25
27	MP2B	Mx	.004	.25
28	MP2B	X	-7.22	4.25
29	MP2B	Z	-4.168	4.25
30	MP2B	Mx	.004	4.25
31	MP2C	X	-6.559	.25
32	MP2C	Z	-3.787	.25
33	MP2C	Mx	-.006	.25
34	MP2C	X	-6.559	4.25
35	MP2C	Z	-3.787	4.25
36	MP2C	Mx	-.006	4.25
37	MP2A	X	-6.365	.25
38	MP2A	Z	-3.675	.25
39	MP2A	Mx	.005	.25
40	MP2A	X	-6.365	4.25
41	MP2A	Z	-3.675	4.25
42	MP2A	Mx	.005	4.25
43	MP2B	X	-7.22	.25
44	MP2B	Z	-4.168	.25
45	MP2B	Mx	-.006	.25
46	MP2B	X	-7.22	4.25
47	MP2B	Z	-4.168	4.25
48	MP2B	Mx	-.006	4.25
49	MP2C	X	-6.559	.25
50	MP2C	Z	-3.787	.25
51	MP2C	Mx	-6.1e-5	.25
52	MP2C	X	-6.559	4.25
53	MP2C	Z	-3.787	4.25
54	MP2C	Mx	-6.1e-5	4.25
55	MP1A	X	-2.28	1.25
56	MP1A	Z	-1.316	1.25
57	MP1A	Mx	.001	1.25
58	MP1A	X	-2.28	3.25
59	MP1A	Z	-1.316	3.25
60	MP1A	Mx	.001	3.25
61	MP1B	X	-4.117	1.25
62	MP1B	Z	-2.377	1.25
63	MP1B	Mx	-.000413	1.25
64	MP1B	X	-4.117	3.25
65	MP1B	Z	-2.377	3.25
66	MP1B	Mx	-.000413	3.25
67	MP1C	X	-2.28	1.25
68	MP1C	Z	-1.316	1.25
69	MP1C	Mx	-.001	1.25
70	MP1C	X	-2.28	3.25
71	MP1C	Z	-1.316	3.25
72	MP1C	Mx	-.001	3.25
73	M122	X	-5.729	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	M122	Z	-3.308	1
75	M122	Mx	0	1
76	MP2A	X	-2.508	1
77	MP2A	Z	-1.448	1
78	MP2A	Mx	-.001	1
79	MP2B	X	-3.304	1
80	MP2B	Z	-1.908	1
81	MP2B	Mx	.000331	1
82	MP2C	X	-2.688	1
83	MP2C	Z	-1.552	1
84	MP2C	Mx	.001	1
85	MP3A	X	-2.19	1
86	MP3A	Z	-1.264	1
87	MP3A	Mx	-.001	1
88	MP3B	X	-3.291	1
89	MP3B	Z	-1.9	1
90	MP3B	Mx	.00033	1
91	MP3C	X	-2.439	1
92	MP3C	Z	-1.408	1
93	MP3C	Mx	.001	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-.985	1.25
2	MP3A	Z	-1.706	1.25
3	MP3A	Mx	.000492	1.25
4	MP3A	X	-.985	3.25
5	MP3A	Z	-1.706	3.25
6	MP3A	Mx	.000492	3.25
7	MP3B	X	-1.069	1.25
8	MP3B	Z	-1.852	1.25
9	MP3B	Mx	.000366	1.25
10	MP3B	X	-1.069	3.25
11	MP3B	Z	-1.852	3.25
12	MP3B	Mx	.000366	3.25
13	MP3C	X	-.527	1.25
14	MP3C	Z	-.912	1.25
15	MP3C	Mx	-.000519	1.25
16	MP3C	X	-.527	3.25
17	MP3C	Z	-.912	3.25
18	MP3C	Mx	-.000519	3.25
19	MP2A	X	-4.018	.25
20	MP2A	Z	-6.959	.25
21	MP2A	Mx	-.002	.25
22	MP2A	X	-4.018	4.25
23	MP2A	Z	-6.959	4.25
24	MP2A	Mx	-.002	4.25
25	MP2B	X	-4.109	.25
26	MP2B	Z	-7.116	.25
27	MP2B	Mx	.006	.25
28	MP2B	X	-4.109	4.25

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-7.116	4.25
30	MP2B	Mx	.006	4.25
31	MP2C	X	-3.524	.25
32	MP2C	Z	-6.104	.25
33	MP2C	Mx	-.004	.25
34	MP2C	X	-3.524	4.25
35	MP2C	Z	-6.104	4.25
36	MP2C	Mx	-.004	4.25
37	MP2A	X	-4.018	.25
38	MP2A	Z	-6.959	.25
39	MP2A	Mx	.006	.25
40	MP2A	X	-4.018	4.25
41	MP2A	Z	-6.959	4.25
42	MP2A	Mx	.006	4.25
43	MP2B	X	-4.109	.25
44	MP2B	Z	-7.116	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	-4.109	4.25
47	MP2B	Z	-7.116	4.25
48	MP2B	Mx	-.003	4.25
49	MP2C	X	-3.524	.25
50	MP2C	Z	-6.104	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	-3.524	4.25
53	MP2C	Z	-6.104	4.25
54	MP2C	Mx	-.003	4.25
55	MP1A	X	-2.053	1.25
56	MP1A	Z	-3.556	1.25
57	MP1A	Mx	.001	1.25
58	MP1A	X	-2.053	3.25
59	MP1A	Z	-3.556	3.25
60	MP1A	Mx	.001	3.25
61	MP1B	X	-2.249	1.25
62	MP1B	Z	-3.896	1.25
63	MP1B	Mx	.000769	1.25
64	MP1B	X	-2.249	3.25
65	MP1B	Z	-3.896	3.25
66	MP1B	Mx	.000769	3.25
67	MP1C	X	-.948	1.25
68	MP1C	Z	-1.642	1.25
69	MP1C	Mx	-.000948	1.25
70	MP1C	X	-.948	3.25
71	MP1C	Z	-1.642	3.25
72	MP1C	Mx	-.000948	3.25
73	M122	X	-3.774	1
74	M122	Z	-6.537	1
75	M122	Mx	0	1
76	MP2A	X	-1.767	1
77	MP2A	Z	-3.061	1
78	MP2A	Mx	-.000884	1
79	MP2B	X	-1.852	1
80	MP2B	Z	-3.208	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP2B	Mx	-.000634	1
82	MP2C	X	-1.307	1
83	MP2C	Z	-2.264	1
84	MP2C	Mx	.001	1
85	MP3A	X	-1.706	1
86	MP3A	Z	-2.955	1
87	MP3A	Mx	-.000853	1
88	MP3B	X	-1.824	1
89	MP3B	Z	-3.159	1
90	MP3B	Mx	-.000624	1
91	MP3C	X	-1.07	1
92	MP3C	Z	-1.853	1
93	MP3C	Mx	.001	1

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M98	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M99	Y	-500	0

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	%100

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	-6.566	-6.566	0	%100
2	M2	Y	-6.566	-6.566	0	%100
3	M3	Y	-6.566	-6.566	0	%100
4	M8	Y	-10.122	-10.122	0	%100
5	M9	Y	-10.122	-10.122	0	%100
6	M10	Y	-10.109	-10.109	0	%100
7	M11	Y	-10.109	-10.109	0	%100
8	M12	Y	-10.109	-10.109	0	%100
9	M13	Y	-10.109	-10.109	0	%100
10	M18	Y	-10.122	-10.122	0	%100
11	M19	Y	-10.122	-10.122	0	%100
12	M20	Y	-10.109	-10.109	0	%100
13	M21	Y	-10.109	-10.109	0	%100
14	M22	Y	-10.109	-10.109	0	%100
15	M23	Y	-10.109	-10.109	0	%100
16	M28	Y	-10.122	-10.122	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,%]
17	M29	Y	-10.122	-10.122	0	%100
18	M30	Y	-10.109	-10.109	0	%100
19	M31	Y	-10.109	-10.109	0	%100
20	M32	Y	-10.109	-10.109	0	%100
21	M33	Y	-10.109	-10.109	0	%100
22	M34	Y	-10.122	-10.122	0	%100
23	M35	Y	-10.122	-10.122	0	%100
24	M36	Y	-10.122	-10.122	0	%100
25	M41	Y	-9.609	-9.609	0	%100
26	M39A	Y	-9.609	-9.609	0	%100
27	M41A	Y	-9.609	-9.609	0	%100
28	M48	Y	-5.619	-5.619	0	%100
29	M49	Y	-5.619	-5.619	0	%100
30	M52	Y	-10.122	-10.122	0	%100
31	M53	Y	-10.109	-10.109	0	%100
32	M54	Y	-10.109	-10.109	0	%100
33	M57	Y	-10.122	-10.122	0	%100
34	M58	Y	-10.109	-10.109	0	%100
35	M59	Y	-10.109	-10.109	0	%100
36	M60	Y	-10.122	-10.122	0	%100
37	M61	Y	-9.609	-9.609	0	%100
38	M63	Y	-9.609	-9.609	0	%100
39	M65	Y	-9.609	-9.609	0	%100
40	M72	Y	-5.619	-5.619	0	%100
41	M73	Y	-5.619	-5.619	0	%100
42	M76	Y	-10.122	-10.122	0	%100
43	M77	Y	-10.109	-10.109	0	%100
44	M78	Y	-10.109	-10.109	0	%100
45	M81	Y	-10.122	-10.122	0	%100
46	M82	Y	-10.109	-10.109	0	%100
47	M83	Y	-10.109	-10.109	0	%100
48	M84	Y	-10.122	-10.122	0	%100
49	M85	Y	-9.609	-9.609	0	%100
50	M87	Y	-9.609	-9.609	0	%100
51	M89	Y	-9.609	-9.609	0	%100
52	M96	Y	-5.619	-5.619	0	%100
53	M97	Y	-5.619	-5.619	0	%100
54	MP1A	Y	-4.979	-4.979	0	%100
55	MP2A	Y	-5.685	-5.685	0	%100
56	MP3A	Y	-4.979	-4.979	0	%100
57	MP4A	Y	-4.979	-4.979	0	%100
58	MP1C	Y	-4.979	-4.979	0	%100
59	MP2C	Y	-5.685	-5.685	0	%100
60	MP3C	Y	-4.979	-4.979	0	%100
61	MP4C	Y	-4.979	-4.979	0	%100
62	MP1B	Y	-4.979	-4.979	0	%100
63	MP2B	Y	-5.685	-5.685	0	%100
64	MP3B	Y	-4.979	-4.979	0	%100
65	MP4B	Y	-4.979	-4.979	0	%100
66	M122	Y	-4.979	-4.979	0	%100
67	M124	Y	-5.685	-5.685	0	%100
68	M131	Y	-5.685	-5.685	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,%]
69	M138	Y	-5.685	-5.685	0	%100
70	M145	Y	-7.614	-7.614	0	%100
71	M146	Y	-7.614	-7.614	0	%100
72	M147	Y	-7.614	-7.614	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-10.6	-10.6	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-2.65	-2.65	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-2.65	-2.65	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-18.507	-18.507	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-18.507	-18.507	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-18.507	-18.507	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-18.507	-18.507	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-10.663	-10.663	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-13.628	-13.628	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-4.627	-4.627	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-4.627	-4.627	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-4.627	-4.627	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-4.627	-4.627	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-16.045	-16.045	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-4.627	-4.627	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-4.627	-4.627	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-4.627	-4.627	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-4.627	-4.627	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.548	-.548	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	-13.628	-13.628	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-4.543	-4.543	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,%]
45	M35	X	0	0	0	%100
46	M35	Z	-4.543	-4.543	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-18.171	-18.171	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-7.98	-7.98	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	-2.237	-2.237	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	-2.243	-2.243	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-9.485	-9.485	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-2.668	-2.668	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	-4.627	-4.627	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	-4.627	-4.627	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-16.045	-16.045	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	-18.507	-18.507	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	-18.507	-18.507	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	-13.628	-13.628	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	-4.543	-4.543	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	-7.98	-7.98	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	-2.25	-2.25	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-2.257	-2.257	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	-2.592	-2.592	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	-9.465	-9.465	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	-4.627	-4.627	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-4.627	-4.627	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	-.548	-.548	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	-4.627	-4.627	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	-4.627	-4.627	0	%100
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	-18.171	-18.171	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,%]
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	-8.973	-8.973	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	-9	-9	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-2.16	-2.16	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	-2.083	-2.083	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	-7.193	-7.193	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	-8.707	-8.707	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	-7.193	-7.193	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	-7.193	-7.193	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	-7.193	-7.193	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	-8.707	-8.707	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	-7.193	-7.193	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	-7.193	-7.193	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	-7.193	-7.193	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	-8.707	-8.707	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	-7.193	-7.193	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	-7.193	-7.193	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	-5.882	-5.882	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	-8.707	-8.707	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	-2.177	-2.177	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	-2.177	-2.177	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	-2.797	-2.797	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	-11.187	-11.187	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	-2.797	-2.797	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,%]

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,%]
1	M1	X	3.975	3.975	0	%100
2	M1	Z	-6.885	-6.885	0	%100
3	M2	X	3.975	3.975	0	%100
4	M2	Z	-6.885	-6.885	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	6.94	6.94	0	%100
8	M8	Z	-12.021	-12.021	0	%100
9	M9	X	6.94	6.94	0	%100
10	M9	Z	-12.021	-12.021	0	%100
11	M10	X	6.94	6.94	0	%100
12	M10	Z	-12.021	-12.021	0	%100
13	M11	X	6.94	6.94	0	%100
14	M11	Z	-12.021	-12.021	0	%100
15	M12	X	1.063	1.063	0	%100
16	M12	Z	-1.841	-1.841	0	%100
17	M13	X	9.085	9.085	0	%100
18	M13	Z	-15.736	-15.736	0	%100
19	M18	X	6.94	6.94	0	%100
20	M18	Z	-12.021	-12.021	0	%100
21	M19	X	6.94	6.94	0	%100
22	M19	Z	-12.021	-12.021	0	%100
23	M20	X	6.94	6.94	0	%100
24	M20	Z	-12.021	-12.021	0	%100
25	M21	X	6.94	6.94	0	%100
26	M21	Z	-12.021	-12.021	0	%100
27	M22	X	8.811	8.811	0	%100
28	M22	Z	-15.262	-15.262	0	%100
29	M23	X	2.271	2.271	0	%100
30	M23	Z	-3.934	-3.934	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	3.754	3.754	0	%100
40	M32	Z	-6.502	-6.502	0	%100
41	M33	X	2.271	2.271	0	%100
42	M33	Z	-3.934	-3.934	0	%100
43	M34	X	6.814	6.814	0	%100
44	M34	Z	-11.802	-11.802	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	6.814	6.814	0	%100
48	M36	Z	-11.802	-11.802	0	%100
49	M41	X	1.33	1.33	0	%100
50	M41	Z	-2.304	-2.304	0	%100
51	M39A	X	3.362	3.362	0	%100
52	M39A	Z	-5.822	-5.822	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,%]
53	M41A	X	3.372	3.372	0	%100
54	M41A	Z	-5.84	-5.84	0	%100
55	M48	X	3.45	3.45	0	%100
56	M48	Z	-5.975	-5.975	0	%100
57	M49	X	.006	.006	0	%100
58	M49	Z	-.01	-.01	0	%100
59	M52	X	6.94	6.94	0	%100
60	M52	Z	-12.021	-12.021	0	%100
61	M53	X	6.94	6.94	0	%100
62	M53	Z	-12.021	-12.021	0	%100
63	M54	X	8.811	8.811	0	%100
64	M54	Z	-15.262	-15.262	0	%100
65	M57	X	6.94	6.94	0	%100
66	M57	Z	-12.021	-12.021	0	%100
67	M58	X	6.94	6.94	0	%100
68	M58	Z	-12.021	-12.021	0	%100
69	M59	X	9.085	9.085	0	%100
70	M59	Z	-15.736	-15.736	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	5.32	5.32	0	%100
74	M61	Z	-9.215	-9.215	0	%100
75	M63	X	3e-6	3e-6	0	%100
76	M63	Z	-6e-6	-6e-6	0	%100
77	M65	X	3e-6	3e-6	0	%100
78	M65	Z	-6e-6	-6e-6	0	%100
79	M72	X	3.666	3.666	0	%100
80	M72	Z	-6.349	-6.349	0	%100
81	M73	X	3.697	3.697	0	%100
82	M73	Z	-6.404	-6.404	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	3.754	3.754	0	%100
88	M78	Z	-6.502	-6.502	0	%100
89	M81	X	6.94	6.94	0	%100
90	M81	Z	-12.021	-12.021	0	%100
91	M82	X	6.94	6.94	0	%100
92	M82	Z	-12.021	-12.021	0	%100
93	M83	X	2.271	2.271	0	%100
94	M83	Z	-3.934	-3.934	0	%100
95	M84	X	6.814	6.814	0	%100
96	M84	Z	-11.802	-11.802	0	%100
97	M85	X	1.33	1.33	0	%100
98	M85	Z	-2.304	-2.304	0	%100
99	M87	X	3.368	3.368	0	%100
100	M87	Z	-5.834	-5.834	0	%100
101	M89	X	3.378	3.378	0	%100
102	M89	Z	-5.851	-5.851	0	%100
103	M96	X	.003	.003	0	%100
104	M96	Z	-.006	-.006	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,%]
105	M97	X	3.405	3.405	0	%100
106	M97	Z	-5.897	-5.897	0	%100
107	MP1A	X	3.596	3.596	0	%100
108	MP1A	Z	-6.229	-6.229	0	%100
109	MP2A	X	4.353	4.353	0	%100
110	MP2A	Z	-7.54	-7.54	0	%100
111	MP3A	X	3.596	3.596	0	%100
112	MP3A	Z	-6.229	-6.229	0	%100
113	MP4A	X	3.596	3.596	0	%100
114	MP4A	Z	-6.229	-6.229	0	%100
115	MP1C	X	3.596	3.596	0	%100
116	MP1C	Z	-6.229	-6.229	0	%100
117	MP2C	X	4.353	4.353	0	%100
118	MP2C	Z	-7.54	-7.54	0	%100
119	MP3C	X	3.596	3.596	0	%100
120	MP3C	Z	-6.229	-6.229	0	%100
121	MP4C	X	3.596	3.596	0	%100
122	MP4C	Z	-6.229	-6.229	0	%100
123	MP1B	X	3.596	3.596	0	%100
124	MP1B	Z	-6.229	-6.229	0	%100
125	MP2B	X	4.353	4.353	0	%100
126	MP2B	Z	-7.54	-7.54	0	%100
127	MP3B	X	3.596	3.596	0	%100
128	MP3B	Z	-6.229	-6.229	0	%100
129	MP4B	X	3.596	3.596	0	%100
130	MP4B	Z	-6.229	-6.229	0	%100
131	M122	X	2.941	2.941	0	%100
132	M122	Z	-5.094	-5.094	0	%100
133	M124	X	3.265	3.265	0	%100
134	M124	Z	-5.655	-5.655	0	%100
135	M131	X	3.265	3.265	0	%100
136	M131	Z	-5.655	-5.655	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	4.195	4.195	0	%100
140	M145	Z	-7.266	-7.266	0	%100
141	M146	X	4.195	4.195	0	%100
142	M146	Z	-7.266	-7.266	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.295	2.295	0	%100
2	M1	Z	-1.325	-1.325	0	%100
3	M2	X	9.179	9.179	0	%100
4	M2	Z	-5.3	-5.3	0	%100
5	M3	X	2.295	2.295	0	%100
6	M3	Z	-1.325	-1.325	0	%100
7	M8	X	4.007	4.007	0	%100
8	M8	Z	-2.313	-2.313	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,%]
9	M9	X	4.007	4.007	0	%100
10	M9	Z	-2.313	-2.313	0	%100
11	M10	X	4.007	4.007	0	%100
12	M10	Z	-2.313	-2.313	0	%100
13	M11	X	4.007	4.007	0	%100
14	M11	Z	-2.313	-2.313	0	%100
15	M12	X	.475	.475	0	%100
16	M12	Z	-.274	-.274	0	%100
17	M13	X	11.802	11.802	0	%100
18	M13	Z	-6.814	-6.814	0	%100
19	M18	X	16.028	16.028	0	%100
20	M18	Z	-9.254	-9.254	0	%100
21	M19	X	16.028	16.028	0	%100
22	M19	Z	-9.254	-9.254	0	%100
23	M20	X	16.028	16.028	0	%100
24	M20	Z	-9.254	-9.254	0	%100
25	M21	X	16.028	16.028	0	%100
26	M21	Z	-9.254	-9.254	0	%100
27	M22	X	9.234	9.234	0	%100
28	M22	Z	-5.331	-5.331	0	%100
29	M23	X	11.802	11.802	0	%100
30	M23	Z	-6.814	-6.814	0	%100
31	M28	X	4.007	4.007	0	%100
32	M28	Z	-2.313	-2.313	0	%100
33	M29	X	4.007	4.007	0	%100
34	M29	Z	-2.313	-2.313	0	%100
35	M30	X	4.007	4.007	0	%100
36	M30	Z	-2.313	-2.313	0	%100
37	M31	X	4.007	4.007	0	%100
38	M31	Z	-2.313	-2.313	0	%100
39	M32	X	13.895	13.895	0	%100
40	M32	Z	-8.023	-8.023	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	15.736	15.736	0	%100
44	M34	Z	-9.085	-9.085	0	%100
45	M35	X	3.934	3.934	0	%100
46	M35	Z	-2.271	-2.271	0	%100
47	M36	X	3.934	3.934	0	%100
48	M36	Z	-2.271	-2.271	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	7.771	7.771	0	%100
52	M39A	Z	-4.487	-4.487	0	%100
53	M41A	X	7.794	7.794	0	%100
54	M41A	Z	-4.5	-4.5	0	%100
55	M48	X	1.871	1.871	0	%100
56	M48	Z	-1.08	-1.08	0	%100
57	M49	X	1.804	1.804	0	%100
58	M49	Z	-1.042	-1.042	0	%100
59	M52	X	16.028	16.028	0	%100
60	M52	Z	-9.254	-9.254	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,%]
61	M53	X	16.028	16.028	0	%100
62	M53	Z	-9.254	-9.254	0	%100
63	M54	X	9.234	9.234	0	%100
64	M54	Z	-5.331	-5.331	0	%100
65	M57	X	4.007	4.007	0	%100
66	M57	Z	-2.313	-2.313	0	%100
67	M58	X	4.007	4.007	0	%100
68	M58	Z	-2.313	-2.313	0	%100
69	M59	X	11.802	11.802	0	%100
70	M59	Z	-6.814	-6.814	0	%100
71	M60	X	3.934	3.934	0	%100
72	M60	Z	-2.271	-2.271	0	%100
73	M61	X	6.911	6.911	0	%100
74	M61	Z	-3.99	-3.99	0	%100
75	M63	X	1.937	1.937	0	%100
76	M63	Z	-1.118	-1.118	0	%100
77	M65	X	1.943	1.943	0	%100
78	M65	Z	-1.122	-1.122	0	%100
79	M72	X	8.214	8.214	0	%100
80	M72	Z	-4.742	-4.742	0	%100
81	M73	X	2.31	2.31	0	%100
82	M73	Z	-1.334	-1.334	0	%100
83	M76	X	4.007	4.007	0	%100
84	M76	Z	-2.313	-2.313	0	%100
85	M77	X	4.007	4.007	0	%100
86	M77	Z	-2.313	-2.313	0	%100
87	M78	X	13.895	13.895	0	%100
88	M78	Z	-8.023	-8.023	0	%100
89	M81	X	16.028	16.028	0	%100
90	M81	Z	-9.254	-9.254	0	%100
91	M82	X	16.028	16.028	0	%100
92	M82	Z	-9.254	-9.254	0	%100
93	M83	X	11.802	11.802	0	%100
94	M83	Z	-6.814	-6.814	0	%100
95	M84	X	3.934	3.934	0	%100
96	M84	Z	-2.271	-2.271	0	%100
97	M85	X	6.911	6.911	0	%100
98	M85	Z	-3.99	-3.99	0	%100
99	M87	X	1.948	1.948	0	%100
100	M87	Z	-1.125	-1.125	0	%100
101	M89	X	1.954	1.954	0	%100
102	M89	Z	-1.128	-1.128	0	%100
103	M96	X	2.245	2.245	0	%100
104	M96	Z	-1.296	-1.296	0	%100
105	M97	X	8.197	8.197	0	%100
106	M97	Z	-4.733	-4.733	0	%100
107	MP1A	X	6.229	6.229	0	%100
108	MP1A	Z	-3.596	-3.596	0	%100
109	MP2A	X	7.54	7.54	0	%100
110	MP2A	Z	-4.353	-4.353	0	%100
111	MP3A	X	6.229	6.229	0	%100
112	MP3A	Z	-3.596	-3.596	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,%]
113	MP4A	X	6.229	6.229	0	%100
114	MP4A	Z	-3.596	-3.596	0	%100
115	MP1C	X	6.229	6.229	0	%100
116	MP1C	Z	-3.596	-3.596	0	%100
117	MP2C	X	7.54	7.54	0	%100
118	MP2C	Z	-4.353	-4.353	0	%100
119	MP3C	X	6.229	6.229	0	%100
120	MP3C	Z	-3.596	-3.596	0	%100
121	MP4C	X	6.229	6.229	0	%100
122	MP4C	Z	-3.596	-3.596	0	%100
123	MP1B	X	6.229	6.229	0	%100
124	MP1B	Z	-3.596	-3.596	0	%100
125	MP2B	X	7.54	7.54	0	%100
126	MP2B	Z	-4.353	-4.353	0	%100
127	MP3B	X	6.229	6.229	0	%100
128	MP3B	Z	-3.596	-3.596	0	%100
129	MP4B	X	6.229	6.229	0	%100
130	MP4B	Z	-3.596	-3.596	0	%100
131	M122	X	5.094	5.094	0	%100
132	M122	Z	-2.941	-2.941	0	%100
133	M124	X	1.885	1.885	0	%100
134	M124	Z	-1.088	-1.088	0	%100
135	M131	X	7.54	7.54	0	%100
136	M131	Z	-4.353	-4.353	0	%100
137	M138	X	1.885	1.885	0	%100
138	M138	Z	-1.088	-1.088	0	%100
139	M145	X	9.688	9.688	0	%100
140	M145	Z	-5.594	-5.594	0	%100
141	M146	X	2.422	2.422	0	%100
142	M146	Z	-1.398	-1.398	0	%100
143	M147	X	2.422	2.422	0	%100
144	M147	Z	-1.398	-1.398	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	7.95	7.95	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	7.95	7.95	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	7.508	7.508	0	%100
16	M12	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,%]
17	M13	X	4.543	4.543	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	13.88	13.88	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	13.88	13.88	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	13.88	13.88	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	13.88	13.88	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	2.126	2.126	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	18.171	18.171	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	13.88	13.88	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	13.88	13.88	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	13.88	13.88	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	13.88	13.88	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	17.623	17.623	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	4.543	4.543	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	13.628	13.628	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	13.628	13.628	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	2.66	2.66	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	6.736	6.736	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	6.757	6.757	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	.007	.007	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	6.81	6.81	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	13.88	13.88	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	13.88	13.88	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	2.126	2.126	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	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,%]
69	M59	X	4.543	4.543	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	13.628	13.628	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	2.66	2.66	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	6.723	6.723	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	6.743	6.743	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	6.899	6.899	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	.012	.012	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	13.88	13.88	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	13.88	13.88	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	17.623	17.623	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	13.88	13.88	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	13.88	13.88	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	18.171	18.171	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	10.64	10.64	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	7e-6	7e-6	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	7e-6	7e-6	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	7.331	7.331	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	7.394	7.394	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	7.193	7.193	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	8.707	8.707	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	7.193	7.193	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	7.193	7.193	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	7.193	7.193	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	8.707	8.707	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	7.193	7.193	0	%100
120	MP3C	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,%]
121	MP4C	X	7.193	7.193	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	7.193	7.193	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	8.707	8.707	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	7.193	7.193	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	7.193	7.193	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	5.882	5.882	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	6.53	6.53	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	6.53	6.53	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	8.39	8.39	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	8.39	8.39	0	%100
144	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.295	2.295	0	%100
2	M1	Z	1.325	1.325	0	%100
3	M2	X	2.295	2.295	0	%100
4	M2	Z	1.325	1.325	0	%100
5	M3	X	9.179	9.179	0	%100
6	M3	Z	5.3	5.3	0	%100
7	M8	X	4.007	4.007	0	%100
8	M8	Z	2.313	2.313	0	%100
9	M9	X	4.007	4.007	0	%100
10	M9	Z	2.313	2.313	0	%100
11	M10	X	4.007	4.007	0	%100
12	M10	Z	2.313	2.313	0	%100
13	M11	X	4.007	4.007	0	%100
14	M11	Z	2.313	2.313	0	%100
15	M12	X	13.895	13.895	0	%100
16	M12	Z	8.023	8.023	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	4.007	4.007	0	%100
20	M18	Z	2.313	2.313	0	%100
21	M19	X	4.007	4.007	0	%100
22	M19	Z	2.313	2.313	0	%100
23	M20	X	4.007	4.007	0	%100
24	M20	Z	2.313	2.313	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,%]
25	M21	X	4.007	4.007	0	%100
26	M21	Z	2.313	2.313	0	%100
27	M22	X	.475	.475	0	%100
28	M22	Z	.274	.274	0	%100
29	M23	X	11.802	11.802	0	%100
30	M23	Z	6.814	6.814	0	%100
31	M28	X	16.028	16.028	0	%100
32	M28	Z	9.254	9.254	0	%100
33	M29	X	16.028	16.028	0	%100
34	M29	Z	9.254	9.254	0	%100
35	M30	X	16.028	16.028	0	%100
36	M30	Z	9.254	9.254	0	%100
37	M31	X	16.028	16.028	0	%100
38	M31	Z	9.254	9.254	0	%100
39	M32	X	9.234	9.234	0	%100
40	M32	Z	5.331	5.331	0	%100
41	M33	X	11.802	11.802	0	%100
42	M33	Z	6.814	6.814	0	%100
43	M34	X	3.934	3.934	0	%100
44	M34	Z	2.271	2.271	0	%100
45	M35	X	15.736	15.736	0	%100
46	M35	Z	9.085	9.085	0	%100
47	M36	X	3.934	3.934	0	%100
48	M36	Z	2.271	2.271	0	%100
49	M41	X	6.911	6.911	0	%100
50	M41	Z	3.99	3.99	0	%100
51	M39A	X	1.948	1.948	0	%100
52	M39A	Z	1.125	1.125	0	%100
53	M41A	X	1.954	1.954	0	%100
54	M41A	Z	1.128	1.128	0	%100
55	M48	X	2.245	2.245	0	%100
56	M48	Z	1.296	1.296	0	%100
57	M49	X	8.197	8.197	0	%100
58	M49	Z	4.733	4.733	0	%100
59	M52	X	4.007	4.007	0	%100
60	M52	Z	2.313	2.313	0	%100
61	M53	X	4.007	4.007	0	%100
62	M53	Z	2.313	2.313	0	%100
63	M54	X	.475	.475	0	%100
64	M54	Z	.274	.274	0	%100
65	M57	X	4.007	4.007	0	%100
66	M57	Z	2.313	2.313	0	%100
67	M58	X	4.007	4.007	0	%100
68	M58	Z	2.313	2.313	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	15.736	15.736	0	%100
72	M60	Z	9.085	9.085	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	7.771	7.771	0	%100
76	M63	Z	4.487	4.487	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,%]
77	M65	X	7.794	7.794	0	%100
78	M65	Z	4.5	4.5	0	%100
79	M72	X	1.871	1.871	0	%100
80	M72	Z	1.08	1.08	0	%100
81	M73	X	1.804	1.804	0	%100
82	M73	Z	1.042	1.042	0	%100
83	M76	X	16.028	16.028	0	%100
84	M76	Z	9.254	9.254	0	%100
85	M77	X	16.028	16.028	0	%100
86	M77	Z	9.254	9.254	0	%100
87	M78	X	9.234	9.234	0	%100
88	M78	Z	5.331	5.331	0	%100
89	M81	X	4.007	4.007	0	%100
90	M81	Z	2.313	2.313	0	%100
91	M82	X	4.007	4.007	0	%100
92	M82	Z	2.313	2.313	0	%100
93	M83	X	11.802	11.802	0	%100
94	M83	Z	6.814	6.814	0	%100
95	M84	X	3.934	3.934	0	%100
96	M84	Z	2.271	2.271	0	%100
97	M85	X	6.911	6.911	0	%100
98	M85	Z	3.99	3.99	0	%100
99	M87	X	1.937	1.937	0	%100
100	M87	Z	1.118	1.118	0	%100
101	M89	X	1.943	1.943	0	%100
102	M89	Z	1.122	1.122	0	%100
103	M96	X	8.214	8.214	0	%100
104	M96	Z	4.742	4.742	0	%100
105	M97	X	2.31	2.31	0	%100
106	M97	Z	1.334	1.334	0	%100
107	MP1A	X	6.229	6.229	0	%100
108	MP1A	Z	3.596	3.596	0	%100
109	MP2A	X	7.54	7.54	0	%100
110	MP2A	Z	4.353	4.353	0	%100
111	MP3A	X	6.229	6.229	0	%100
112	MP3A	Z	3.596	3.596	0	%100
113	MP4A	X	6.229	6.229	0	%100
114	MP4A	Z	3.596	3.596	0	%100
115	MP1C	X	6.229	6.229	0	%100
116	MP1C	Z	3.596	3.596	0	%100
117	MP2C	X	7.54	7.54	0	%100
118	MP2C	Z	4.353	4.353	0	%100
119	MP3C	X	6.229	6.229	0	%100
120	MP3C	Z	3.596	3.596	0	%100
121	MP4C	X	6.229	6.229	0	%100
122	MP4C	Z	3.596	3.596	0	%100
123	MP1B	X	6.229	6.229	0	%100
124	MP1B	Z	3.596	3.596	0	%100
125	MP2B	X	7.54	7.54	0	%100
126	MP2B	Z	4.353	4.353	0	%100
127	MP3B	X	6.229	6.229	0	%100
128	MP3B	Z	3.596	3.596	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,%]
129	MP4B	X	6.229	6.229	0	%100
130	MP4B	Z	3.596	3.596	0	%100
131	M122	X	5.094	5.094	0	%100
132	M122	Z	2.941	2.941	0	%100
133	M124	X	1.885	1.885	0	%100
134	M124	Z	1.088	1.088	0	%100
135	M131	X	1.885	1.885	0	%100
136	M131	Z	1.088	1.088	0	%100
137	M138	X	7.54	7.54	0	%100
138	M138	Z	4.353	4.353	0	%100
139	M145	X	2.422	2.422	0	%100
140	M145	Z	1.398	1.398	0	%100
141	M146	X	2.422	2.422	0	%100
142	M146	Z	1.398	1.398	0	%100
143	M147	X	9.688	9.688	0	%100
144	M147	Z	5.594	5.594	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	3.975	3.975	0	%100
2	M1	Z	6.885	6.885	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	3.975	3.975	0	%100
6	M3	Z	6.885	6.885	0	%100
7	M8	X	6.94	6.94	0	%100
8	M8	Z	12.021	12.021	0	%100
9	M9	X	6.94	6.94	0	%100
10	M9	Z	12.021	12.021	0	%100
11	M10	X	6.94	6.94	0	%100
12	M10	Z	12.021	12.021	0	%100
13	M11	X	6.94	6.94	0	%100
14	M11	Z	12.021	12.021	0	%100
15	M12	X	8.811	8.811	0	%100
16	M12	Z	15.262	15.262	0	%100
17	M13	X	2.271	2.271	0	%100
18	M13	Z	3.934	3.934	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	3.754	3.754	0	%100
28	M22	Z	6.502	6.502	0	%100
29	M23	X	2.271	2.271	0	%100
30	M23	Z	3.934	3.934	0	%100
31	M28	X	6.94	6.94	0	%100
32	M28	Z	12.021	12.021	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,%]
33	M29	X	6.94	6.94	0	%100
34	M29	Z	12.021	12.021	0	%100
35	M30	X	6.94	6.94	0	%100
36	M30	Z	12.021	12.021	0	%100
37	M31	X	6.94	6.94	0	%100
38	M31	Z	12.021	12.021	0	%100
39	M32	X	1.063	1.063	0	%100
40	M32	Z	1.841	1.841	0	%100
41	M33	X	9.085	9.085	0	%100
42	M33	Z	15.736	15.736	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	6.814	6.814	0	%100
46	M35	Z	11.802	11.802	0	%100
47	M36	X	6.814	6.814	0	%100
48	M36	Z	11.802	11.802	0	%100
49	M41	X	5.32	5.32	0	%100
50	M41	Z	9.215	9.215	0	%100
51	M39A	X	3e-6	3e-6	0	%100
52	M39A	Z	6e-6	6e-6	0	%100
53	M41A	X	3e-6	3e-6	0	%100
54	M41A	Z	6e-6	6e-6	0	%100
55	M48	X	3.666	3.666	0	%100
56	M48	Z	6.349	6.349	0	%100
57	M49	X	3.697	3.697	0	%100
58	M49	Z	6.404	6.404	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	3.754	3.754	0	%100
64	M54	Z	6.502	6.502	0	%100
65	M57	X	6.94	6.94	0	%100
66	M57	Z	12.021	12.021	0	%100
67	M58	X	6.94	6.94	0	%100
68	M58	Z	12.021	12.021	0	%100
69	M59	X	2.271	2.271	0	%100
70	M59	Z	3.934	3.934	0	%100
71	M60	X	6.814	6.814	0	%100
72	M60	Z	11.802	11.802	0	%100
73	M61	X	1.33	1.33	0	%100
74	M61	Z	2.304	2.304	0	%100
75	M63	X	3.368	3.368	0	%100
76	M63	Z	5.834	5.834	0	%100
77	M65	X	3.378	3.378	0	%100
78	M65	Z	5.851	5.851	0	%100
79	M72	X	.003	.003	0	%100
80	M72	Z	.006	.006	0	%100
81	M73	X	3.405	3.405	0	%100
82	M73	Z	5.897	5.897	0	%100
83	M76	X	6.94	6.94	0	%100
84	M76	Z	12.021	12.021	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,%]
85	M77	X	6.94	6.94	0	%100
86	M77	Z	12.021	12.021	0	%100
87	M78	X	1.063	1.063	0	%100
88	M78	Z	1.841	1.841	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	2.271	2.271	0	%100
94	M83	Z	3.934	3.934	0	%100
95	M84	X	6.814	6.814	0	%100
96	M84	Z	11.802	11.802	0	%100
97	M85	X	1.33	1.33	0	%100
98	M85	Z	2.304	2.304	0	%100
99	M87	X	3.362	3.362	0	%100
100	M87	Z	5.822	5.822	0	%100
101	M89	X	3.372	3.372	0	%100
102	M89	Z	5.84	5.84	0	%100
103	M96	X	3.45	3.45	0	%100
104	M96	Z	5.975	5.975	0	%100
105	M97	X	.006	.006	0	%100
106	M97	Z	.01	.01	0	%100
107	MP1A	X	3.596	3.596	0	%100
108	MP1A	Z	6.229	6.229	0	%100
109	MP2A	X	4.353	4.353	0	%100
110	MP2A	Z	7.54	7.54	0	%100
111	MP3A	X	3.596	3.596	0	%100
112	MP3A	Z	6.229	6.229	0	%100
113	MP4A	X	3.596	3.596	0	%100
114	MP4A	Z	6.229	6.229	0	%100
115	MP1C	X	3.596	3.596	0	%100
116	MP1C	Z	6.229	6.229	0	%100
117	MP2C	X	4.353	4.353	0	%100
118	MP2C	Z	7.54	7.54	0	%100
119	MP3C	X	3.596	3.596	0	%100
120	MP3C	Z	6.229	6.229	0	%100
121	MP4C	X	3.596	3.596	0	%100
122	MP4C	Z	6.229	6.229	0	%100
123	MP1B	X	3.596	3.596	0	%100
124	MP1B	Z	6.229	6.229	0	%100
125	MP2B	X	4.353	4.353	0	%100
126	MP2B	Z	7.54	7.54	0	%100
127	MP3B	X	3.596	3.596	0	%100
128	MP3B	Z	6.229	6.229	0	%100
129	MP4B	X	3.596	3.596	0	%100
130	MP4B	Z	6.229	6.229	0	%100
131	M122	X	2.941	2.941	0	%100
132	M122	Z	5.094	5.094	0	%100
133	M124	X	3.265	3.265	0	%100
134	M124	Z	5.655	5.655	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	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,%]
137	M138	X	3.265	3.265	0	%100
138	M138	Z	5.655	5.655	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	4.195	4.195	0	%100
142	M146	Z	7.266	7.266	0	%100
143	M147	X	4.195	4.195	0	%100
144	M147	Z	7.266	7.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	10.6	10.6	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	2.65	2.65	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	2.65	2.65	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	18.507	18.507	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	18.507	18.507	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	18.507	18.507	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	18.507	18.507	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	10.663	10.663	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	13.628	13.628	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	4.627	4.627	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	4.627	4.627	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	4.627	4.627	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	4.627	4.627	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	16.045	16.045	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	4.627	4.627	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	4.627	4.627	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	4.627	4.627	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	4.627	4.627	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.548	.548	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	13.628	13.628	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	4.543	4.543	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	4.543	4.543	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	18.171	18.171	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	7.98	7.98	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	2.237	2.237	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	2.243	2.243	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	9.485	9.485	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	2.668	2.668	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	4.627	4.627	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	4.627	4.627	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	16.045	16.045	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	18.507	18.507	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	18.507	18.507	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	13.628	13.628	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	4.543	4.543	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	7.98	7.98	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	2.25	2.25	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	2.257	2.257	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	2.592	2.592	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	9.465	9.465	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	4.627	4.627	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	4.627	4.627	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	.548	.548	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	4.627	4.627	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	4.627	4.627	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	18.171	18.171	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	8.973	8.973	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	9	9	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	2.16	2.16	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	2.083	2.083	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	7.193	7.193	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	8.707	8.707	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	7.193	7.193	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	7.193	7.193	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	7.193	7.193	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	8.707	8.707	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	7.193	7.193	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	7.193	7.193	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	7.193	7.193	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	8.707	8.707	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	7.193	7.193	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	7.193	7.193	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	5.882	5.882	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	8.707	8.707	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	2.177	2.177	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	2.177	2.177	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	2.797	2.797	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	11.187	11.187	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	2.797	2.797	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	-3.975	-3.975	0	%100
2	M1	Z	6.885	6.885	0	%100
3	M2	X	-3.975	-3.975	0	%100
4	M2	Z	6.885	6.885	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	-6.94	-6.94	0	%100
8	M8	Z	12.021	12.021	0	%100
9	M9	X	-6.94	-6.94	0	%100
10	M9	Z	12.021	12.021	0	%100
11	M10	X	-6.94	-6.94	0	%100
12	M10	Z	12.021	12.021	0	%100
13	M11	X	-6.94	-6.94	0	%100
14	M11	Z	12.021	12.021	0	%100
15	M12	X	-1.063	-1.063	0	%100
16	M12	Z	1.841	1.841	0	%100
17	M13	X	-9.085	-9.085	0	%100
18	M13	Z	15.736	15.736	0	%100
19	M18	X	-6.94	-6.94	0	%100
20	M18	Z	12.021	12.021	0	%100
21	M19	X	-6.94	-6.94	0	%100
22	M19	Z	12.021	12.021	0	%100
23	M20	X	-6.94	-6.94	0	%100
24	M20	Z	12.021	12.021	0	%100
25	M21	X	-6.94	-6.94	0	%100
26	M21	Z	12.021	12.021	0	%100
27	M22	X	-8.811	-8.811	0	%100
28	M22	Z	15.262	15.262	0	%100
29	M23	X	-2.271	-2.271	0	%100
30	M23	Z	3.934	3.934	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-3.754	-3.754	0	%100
40	M32	Z	6.502	6.502	0	%100
41	M33	X	-2.271	-2.271	0	%100
42	M33	Z	3.934	3.934	0	%100
43	M34	X	-6.814	-6.814	0	%100
44	M34	Z	11.802	11.802	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-6.814	-6.814	0	%100
48	M36	Z	11.802	11.802	0	%100
49	M41	X	-1.33	-1.33	0	%100
50	M41	Z	2.304	2.304	0	%100
51	M39A	X	-3.362	-3.362	0	%100
52	M39A	Z	5.822	5.822	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
53	M41A	X	-3.372	-3.372	0	%100
54	M41A	Z	5.84	5.84	0	%100
55	M48	X	-3.45	-3.45	0	%100
56	M48	Z	5.975	5.975	0	%100
57	M49	X	-.006	-.006	0	%100
58	M49	Z	.01	.01	0	%100
59	M52	X	-6.94	-6.94	0	%100
60	M52	Z	12.021	12.021	0	%100
61	M53	X	-6.94	-6.94	0	%100
62	M53	Z	12.021	12.021	0	%100
63	M54	X	-8.811	-8.811	0	%100
64	M54	Z	15.262	15.262	0	%100
65	M57	X	-6.94	-6.94	0	%100
66	M57	Z	12.021	12.021	0	%100
67	M58	X	-6.94	-6.94	0	%100
68	M58	Z	12.021	12.021	0	%100
69	M59	X	-9.085	-9.085	0	%100
70	M59	Z	15.736	15.736	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-5.32	-5.32	0	%100
74	M61	Z	9.215	9.215	0	%100
75	M63	X	-3e-6	-3e-6	0	%100
76	M63	Z	6e-6	6e-6	0	%100
77	M65	X	-3e-6	-3e-6	0	%100
78	M65	Z	6e-6	6e-6	0	%100
79	M72	X	-3.666	-3.666	0	%100
80	M72	Z	6.349	6.349	0	%100
81	M73	X	-3.697	-3.697	0	%100
82	M73	Z	6.404	6.404	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-3.754	-3.754	0	%100
88	M78	Z	6.502	6.502	0	%100
89	M81	X	-6.94	-6.94	0	%100
90	M81	Z	12.021	12.021	0	%100
91	M82	X	-6.94	-6.94	0	%100
92	M82	Z	12.021	12.021	0	%100
93	M83	X	-2.271	-2.271	0	%100
94	M83	Z	3.934	3.934	0	%100
95	M84	X	-6.814	-6.814	0	%100
96	M84	Z	11.802	11.802	0	%100
97	M85	X	-1.33	-1.33	0	%100
98	M85	Z	2.304	2.304	0	%100
99	M87	X	-3.368	-3.368	0	%100
100	M87	Z	5.834	5.834	0	%100
101	M89	X	-3.378	-3.378	0	%100
102	M89	Z	5.851	5.851	0	%100
103	M96	X	-.003	-.003	0	%100
104	M96	Z	.006	.006	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M97	X	-3.405	-3.405	0	%100
106	M97	Z	5.897	5.897	0	%100
107	MP1A	X	-3.596	-3.596	0	%100
108	MP1A	Z	6.229	6.229	0	%100
109	MP2A	X	-4.353	-4.353	0	%100
110	MP2A	Z	7.54	7.54	0	%100
111	MP3A	X	-3.596	-3.596	0	%100
112	MP3A	Z	6.229	6.229	0	%100
113	MP4A	X	-3.596	-3.596	0	%100
114	MP4A	Z	6.229	6.229	0	%100
115	MP1C	X	-3.596	-3.596	0	%100
116	MP1C	Z	6.229	6.229	0	%100
117	MP2C	X	-4.353	-4.353	0	%100
118	MP2C	Z	7.54	7.54	0	%100
119	MP3C	X	-3.596	-3.596	0	%100
120	MP3C	Z	6.229	6.229	0	%100
121	MP4C	X	-3.596	-3.596	0	%100
122	MP4C	Z	6.229	6.229	0	%100
123	MP1B	X	-3.596	-3.596	0	%100
124	MP1B	Z	6.229	6.229	0	%100
125	MP2B	X	-4.353	-4.353	0	%100
126	MP2B	Z	7.54	7.54	0	%100
127	MP3B	X	-3.596	-3.596	0	%100
128	MP3B	Z	6.229	6.229	0	%100
129	MP4B	X	-3.596	-3.596	0	%100
130	MP4B	Z	6.229	6.229	0	%100
131	M122	X	-2.941	-2.941	0	%100
132	M122	Z	5.094	5.094	0	%100
133	M124	X	-3.265	-3.265	0	%100
134	M124	Z	5.655	5.655	0	%100
135	M131	X	-3.265	-3.265	0	%100
136	M131	Z	5.655	5.655	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-4.195	-4.195	0	%100
140	M145	Z	7.266	7.266	0	%100
141	M146	X	-4.195	-4.195	0	%100
142	M146	Z	7.266	7.266	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.295	-2.295	0	%100
2	M1	Z	1.325	1.325	0	%100
3	M2	X	-9.179	-9.179	0	%100
4	M2	Z	5.3	5.3	0	%100
5	M3	X	-2.295	-2.295	0	%100
6	M3	Z	1.325	1.325	0	%100
7	M8	X	-4.007	-4.007	0	%100
8	M8	Z	2.313	2.313	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,%]
9	M9	X	-4.007	-4.007	0	%100
10	M9	Z	2.313	2.313	0	%100
11	M10	X	-4.007	-4.007	0	%100
12	M10	Z	2.313	2.313	0	%100
13	M11	X	-4.007	-4.007	0	%100
14	M11	Z	2.313	2.313	0	%100
15	M12	X	-.475	-.475	0	%100
16	M12	Z	.274	.274	0	%100
17	M13	X	-11.802	-11.802	0	%100
18	M13	Z	6.814	6.814	0	%100
19	M18	X	-16.028	-16.028	0	%100
20	M18	Z	9.254	9.254	0	%100
21	M19	X	-16.028	-16.028	0	%100
22	M19	Z	9.254	9.254	0	%100
23	M20	X	-16.028	-16.028	0	%100
24	M20	Z	9.254	9.254	0	%100
25	M21	X	-16.028	-16.028	0	%100
26	M21	Z	9.254	9.254	0	%100
27	M22	X	-9.234	-9.234	0	%100
28	M22	Z	5.331	5.331	0	%100
29	M23	X	-11.802	-11.802	0	%100
30	M23	Z	6.814	6.814	0	%100
31	M28	X	-4.007	-4.007	0	%100
32	M28	Z	2.313	2.313	0	%100
33	M29	X	-4.007	-4.007	0	%100
34	M29	Z	2.313	2.313	0	%100
35	M30	X	-4.007	-4.007	0	%100
36	M30	Z	2.313	2.313	0	%100
37	M31	X	-4.007	-4.007	0	%100
38	M31	Z	2.313	2.313	0	%100
39	M32	X	-13.895	-13.895	0	%100
40	M32	Z	8.023	8.023	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-15.736	-15.736	0	%100
44	M34	Z	9.085	9.085	0	%100
45	M35	X	-3.934	-3.934	0	%100
46	M35	Z	2.271	2.271	0	%100
47	M36	X	-3.934	-3.934	0	%100
48	M36	Z	2.271	2.271	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-7.771	-7.771	0	%100
52	M39A	Z	4.487	4.487	0	%100
53	M41A	X	-7.794	-7.794	0	%100
54	M41A	Z	4.5	4.5	0	%100
55	M48	X	-1.871	-1.871	0	%100
56	M48	Z	1.08	1.08	0	%100
57	M49	X	-1.804	-1.804	0	%100
58	M49	Z	1.042	1.042	0	%100
59	M52	X	-16.028	-16.028	0	%100
60	M52	Z	9.254	9.254	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,%]
61	M53	X	-16.028	-16.028	0	%100
62	M53	Z	9.254	9.254	0	%100
63	M54	X	-9.234	-9.234	0	%100
64	M54	Z	5.331	5.331	0	%100
65	M57	X	-4.007	-4.007	0	%100
66	M57	Z	2.313	2.313	0	%100
67	M58	X	-4.007	-4.007	0	%100
68	M58	Z	2.313	2.313	0	%100
69	M59	X	-11.802	-11.802	0	%100
70	M59	Z	6.814	6.814	0	%100
71	M60	X	-3.934	-3.934	0	%100
72	M60	Z	2.271	2.271	0	%100
73	M61	X	-6.911	-6.911	0	%100
74	M61	Z	3.99	3.99	0	%100
75	M63	X	-1.937	-1.937	0	%100
76	M63	Z	1.118	1.118	0	%100
77	M65	X	-1.943	-1.943	0	%100
78	M65	Z	1.122	1.122	0	%100
79	M72	X	-8.214	-8.214	0	%100
80	M72	Z	4.742	4.742	0	%100
81	M73	X	-2.31	-2.31	0	%100
82	M73	Z	1.334	1.334	0	%100
83	M76	X	-4.007	-4.007	0	%100
84	M76	Z	2.313	2.313	0	%100
85	M77	X	-4.007	-4.007	0	%100
86	M77	Z	2.313	2.313	0	%100
87	M78	X	-13.895	-13.895	0	%100
88	M78	Z	8.023	8.023	0	%100
89	M81	X	-16.028	-16.028	0	%100
90	M81	Z	9.254	9.254	0	%100
91	M82	X	-16.028	-16.028	0	%100
92	M82	Z	9.254	9.254	0	%100
93	M83	X	-11.802	-11.802	0	%100
94	M83	Z	6.814	6.814	0	%100
95	M84	X	-3.934	-3.934	0	%100
96	M84	Z	2.271	2.271	0	%100
97	M85	X	-6.911	-6.911	0	%100
98	M85	Z	3.99	3.99	0	%100
99	M87	X	-1.948	-1.948	0	%100
100	M87	Z	1.125	1.125	0	%100
101	M89	X	-1.954	-1.954	0	%100
102	M89	Z	1.128	1.128	0	%100
103	M96	X	-2.245	-2.245	0	%100
104	M96	Z	1.296	1.296	0	%100
105	M97	X	-8.197	-8.197	0	%100
106	M97	Z	4.733	4.733	0	%100
107	MP1A	X	-6.229	-6.229	0	%100
108	MP1A	Z	3.596	3.596	0	%100
109	MP2A	X	-7.54	-7.54	0	%100
110	MP2A	Z	4.353	4.353	0	%100
111	MP3A	X	-6.229	-6.229	0	%100
112	MP3A	Z	3.596	3.596	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,%]
113	MP4A	X	-6.229	-6.229	0	%100
114	MP4A	Z	3.596	3.596	0	%100
115	MP1C	X	-6.229	-6.229	0	%100
116	MP1C	Z	3.596	3.596	0	%100
117	MP2C	X	-7.54	-7.54	0	%100
118	MP2C	Z	4.353	4.353	0	%100
119	MP3C	X	-6.229	-6.229	0	%100
120	MP3C	Z	3.596	3.596	0	%100
121	MP4C	X	-6.229	-6.229	0	%100
122	MP4C	Z	3.596	3.596	0	%100
123	MP1B	X	-6.229	-6.229	0	%100
124	MP1B	Z	3.596	3.596	0	%100
125	MP2B	X	-7.54	-7.54	0	%100
126	MP2B	Z	4.353	4.353	0	%100
127	MP3B	X	-6.229	-6.229	0	%100
128	MP3B	Z	3.596	3.596	0	%100
129	MP4B	X	-6.229	-6.229	0	%100
130	MP4B	Z	3.596	3.596	0	%100
131	M122	X	-5.094	-5.094	0	%100
132	M122	Z	2.941	2.941	0	%100
133	M124	X	-1.885	-1.885	0	%100
134	M124	Z	1.088	1.088	0	%100
135	M131	X	-7.54	-7.54	0	%100
136	M131	Z	4.353	4.353	0	%100
137	M138	X	-1.885	-1.885	0	%100
138	M138	Z	1.088	1.088	0	%100
139	M145	X	-9.688	-9.688	0	%100
140	M145	Z	5.594	5.594	0	%100
141	M146	X	-2.422	-2.422	0	%100
142	M146	Z	1.398	1.398	0	%100
143	M147	X	-2.422	-2.422	0	%100
144	M147	Z	1.398	1.398	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	-7.95	-7.95	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-7.95	-7.95	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-7.508	-7.508	0	%100
16	M12	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,%]
17	M13	X	-4.543	-4.543	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-13.88	-13.88	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	-13.88	-13.88	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-13.88	-13.88	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-13.88	-13.88	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-2.126	-2.126	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-18.171	-18.171	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	-13.88	-13.88	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-13.88	-13.88	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-13.88	-13.88	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-13.88	-13.88	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-17.623	-17.623	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-4.543	-4.543	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-13.628	-13.628	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-13.628	-13.628	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	-2.66	-2.66	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-6.736	-6.736	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	-6.757	-6.757	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	-.007	-.007	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-6.81	-6.81	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	-13.88	-13.88	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	-13.88	-13.88	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-2.126	-2.126	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	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,%]
69	M59	X	-4.543	-4.543	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-13.628	-13.628	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-2.66	-2.66	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-6.723	-6.723	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	-6.743	-6.743	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	-6.899	-6.899	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	-.012	-.012	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	-13.88	-13.88	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	-13.88	-13.88	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-17.623	-17.623	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	-13.88	-13.88	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	-13.88	-13.88	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-18.171	-18.171	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	-10.64	-10.64	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	-7e-6	-7e-6	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	-7e-6	-7e-6	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	-7.331	-7.331	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	-7.394	-7.394	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	-7.193	-7.193	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	-8.707	-8.707	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	-7.193	-7.193	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	-7.193	-7.193	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	-7.193	-7.193	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	-8.707	-8.707	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	-7.193	-7.193	0	%100
120	MP3C	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,%]
121	MP4C	X	-7.193	-7.193	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	-7.193	-7.193	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	-8.707	-8.707	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	-7.193	-7.193	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	-7.193	-7.193	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	-5.882	-5.882	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	-6.53	-6.53	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	-6.53	-6.53	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-8.39	-8.39	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	-8.39	-8.39	0	%100
144	M147	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-2.295	-2.295	0	%100
2	M1	Z	-1.325	-1.325	0	%100
3	M2	X	-2.295	-2.295	0	%100
4	M2	Z	-1.325	-1.325	0	%100
5	M3	X	-9.179	-9.179	0	%100
6	M3	Z	-5.3	-5.3	0	%100
7	M8	X	-4.007	-4.007	0	%100
8	M8	Z	-2.313	-2.313	0	%100
9	M9	X	-4.007	-4.007	0	%100
10	M9	Z	-2.313	-2.313	0	%100
11	M10	X	-4.007	-4.007	0	%100
12	M10	Z	-2.313	-2.313	0	%100
13	M11	X	-4.007	-4.007	0	%100
14	M11	Z	-2.313	-2.313	0	%100
15	M12	X	-13.895	-13.895	0	%100
16	M12	Z	-8.023	-8.023	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-4.007	-4.007	0	%100
20	M18	Z	-2.313	-2.313	0	%100
21	M19	X	-4.007	-4.007	0	%100
22	M19	Z	-2.313	-2.313	0	%100
23	M20	X	-4.007	-4.007	0	%100
24	M20	Z	-2.313	-2.313	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,%]
25	M21	X	-4.007	-4.007	0	%100
26	M21	Z	-2.313	-2.313	0	%100
27	M22	X	-.475	-.475	0	%100
28	M22	Z	-.274	-.274	0	%100
29	M23	X	-11.802	-11.802	0	%100
30	M23	Z	-6.814	-6.814	0	%100
31	M28	X	-16.028	-16.028	0	%100
32	M28	Z	-9.254	-9.254	0	%100
33	M29	X	-16.028	-16.028	0	%100
34	M29	Z	-9.254	-9.254	0	%100
35	M30	X	-16.028	-16.028	0	%100
36	M30	Z	-9.254	-9.254	0	%100
37	M31	X	-16.028	-16.028	0	%100
38	M31	Z	-9.254	-9.254	0	%100
39	M32	X	-9.234	-9.234	0	%100
40	M32	Z	-5.331	-5.331	0	%100
41	M33	X	-11.802	-11.802	0	%100
42	M33	Z	-6.814	-6.814	0	%100
43	M34	X	-3.934	-3.934	0	%100
44	M34	Z	-2.271	-2.271	0	%100
45	M35	X	-15.736	-15.736	0	%100
46	M35	Z	-9.085	-9.085	0	%100
47	M36	X	-3.934	-3.934	0	%100
48	M36	Z	-2.271	-2.271	0	%100
49	M41	X	-6.911	-6.911	0	%100
50	M41	Z	-3.99	-3.99	0	%100
51	M39A	X	-1.948	-1.948	0	%100
52	M39A	Z	-1.125	-1.125	0	%100
53	M41A	X	-1.954	-1.954	0	%100
54	M41A	Z	-1.128	-1.128	0	%100
55	M48	X	-2.245	-2.245	0	%100
56	M48	Z	-1.296	-1.296	0	%100
57	M49	X	-8.197	-8.197	0	%100
58	M49	Z	-4.733	-4.733	0	%100
59	M52	X	-4.007	-4.007	0	%100
60	M52	Z	-2.313	-2.313	0	%100
61	M53	X	-4.007	-4.007	0	%100
62	M53	Z	-2.313	-2.313	0	%100
63	M54	X	-.475	-.475	0	%100
64	M54	Z	-.274	-.274	0	%100
65	M57	X	-4.007	-4.007	0	%100
66	M57	Z	-2.313	-2.313	0	%100
67	M58	X	-4.007	-4.007	0	%100
68	M58	Z	-2.313	-2.313	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-15.736	-15.736	0	%100
72	M60	Z	-9.085	-9.085	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-7.771	-7.771	0	%100
76	M63	Z	-4.487	-4.487	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,%]
77	M65	X	-7.794	-7.794	0	%100
78	M65	Z	-4.5	-4.5	0	%100
79	M72	X	-1.871	-1.871	0	%100
80	M72	Z	-1.08	-1.08	0	%100
81	M73	X	-1.804	-1.804	0	%100
82	M73	Z	-1.042	-1.042	0	%100
83	M76	X	-16.028	-16.028	0	%100
84	M76	Z	-9.254	-9.254	0	%100
85	M77	X	-16.028	-16.028	0	%100
86	M77	Z	-9.254	-9.254	0	%100
87	M78	X	-9.234	-9.234	0	%100
88	M78	Z	-5.331	-5.331	0	%100
89	M81	X	-4.007	-4.007	0	%100
90	M81	Z	-2.313	-2.313	0	%100
91	M82	X	-4.007	-4.007	0	%100
92	M82	Z	-2.313	-2.313	0	%100
93	M83	X	-11.802	-11.802	0	%100
94	M83	Z	-6.814	-6.814	0	%100
95	M84	X	-3.934	-3.934	0	%100
96	M84	Z	-2.271	-2.271	0	%100
97	M85	X	-6.911	-6.911	0	%100
98	M85	Z	-3.99	-3.99	0	%100
99	M87	X	-1.937	-1.937	0	%100
100	M87	Z	-1.118	-1.118	0	%100
101	M89	X	-1.943	-1.943	0	%100
102	M89	Z	-1.122	-1.122	0	%100
103	M96	X	-8.214	-8.214	0	%100
104	M96	Z	-4.742	-4.742	0	%100
105	M97	X	-2.31	-2.31	0	%100
106	M97	Z	-1.334	-1.334	0	%100
107	MP1A	X	-6.229	-6.229	0	%100
108	MP1A	Z	-3.596	-3.596	0	%100
109	MP2A	X	-7.54	-7.54	0	%100
110	MP2A	Z	-4.353	-4.353	0	%100
111	MP3A	X	-6.229	-6.229	0	%100
112	MP3A	Z	-3.596	-3.596	0	%100
113	MP4A	X	-6.229	-6.229	0	%100
114	MP4A	Z	-3.596	-3.596	0	%100
115	MP1C	X	-6.229	-6.229	0	%100
116	MP1C	Z	-3.596	-3.596	0	%100
117	MP2C	X	-7.54	-7.54	0	%100
118	MP2C	Z	-4.353	-4.353	0	%100
119	MP3C	X	-6.229	-6.229	0	%100
120	MP3C	Z	-3.596	-3.596	0	%100
121	MP4C	X	-6.229	-6.229	0	%100
122	MP4C	Z	-3.596	-3.596	0	%100
123	MP1B	X	-6.229	-6.229	0	%100
124	MP1B	Z	-3.596	-3.596	0	%100
125	MP2B	X	-7.54	-7.54	0	%100
126	MP2B	Z	-4.353	-4.353	0	%100
127	MP3B	X	-6.229	-6.229	0	%100
128	MP3B	Z	-3.596	-3.596	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,%]
129	MP4B	X	-6.229	-6.229	0	%100
130	MP4B	Z	-3.596	-3.596	0	%100
131	M122	X	-5.094	-5.094	0	%100
132	M122	Z	-2.941	-2.941	0	%100
133	M124	X	-1.885	-1.885	0	%100
134	M124	Z	-1.088	-1.088	0	%100
135	M131	X	-1.885	-1.885	0	%100
136	M131	Z	-1.088	-1.088	0	%100
137	M138	X	-7.54	-7.54	0	%100
138	M138	Z	-4.353	-4.353	0	%100
139	M145	X	-2.422	-2.422	0	%100
140	M145	Z	-1.398	-1.398	0	%100
141	M146	X	-2.422	-2.422	0	%100
142	M146	Z	-1.398	-1.398	0	%100
143	M147	X	-9.688	-9.688	0	%100
144	M147	Z	-5.594	-5.594	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	-3.975	-3.975	0	%100
2	M1	Z	-6.885	-6.885	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-3.975	-3.975	0	%100
6	M3	Z	-6.885	-6.885	0	%100
7	M8	X	-6.94	-6.94	0	%100
8	M8	Z	-12.021	-12.021	0	%100
9	M9	X	-6.94	-6.94	0	%100
10	M9	Z	-12.021	-12.021	0	%100
11	M10	X	-6.94	-6.94	0	%100
12	M10	Z	-12.021	-12.021	0	%100
13	M11	X	-6.94	-6.94	0	%100
14	M11	Z	-12.021	-12.021	0	%100
15	M12	X	-8.811	-8.811	0	%100
16	M12	Z	-15.262	-15.262	0	%100
17	M13	X	-2.271	-2.271	0	%100
18	M13	Z	-3.934	-3.934	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-3.754	-3.754	0	%100
28	M22	Z	-6.502	-6.502	0	%100
29	M23	X	-2.271	-2.271	0	%100
30	M23	Z	-3.934	-3.934	0	%100
31	M28	X	-6.94	-6.94	0	%100
32	M28	Z	-12.021	-12.021	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,%]
33	M29	X	-6.94	-6.94	0	%100
34	M29	Z	-12.021	-12.021	0	%100
35	M30	X	-6.94	-6.94	0	%100
36	M30	Z	-12.021	-12.021	0	%100
37	M31	X	-6.94	-6.94	0	%100
38	M31	Z	-12.021	-12.021	0	%100
39	M32	X	-1.063	-1.063	0	%100
40	M32	Z	-1.841	-1.841	0	%100
41	M33	X	-9.085	-9.085	0	%100
42	M33	Z	-15.736	-15.736	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-6.814	-6.814	0	%100
46	M35	Z	-11.802	-11.802	0	%100
47	M36	X	-6.814	-6.814	0	%100
48	M36	Z	-11.802	-11.802	0	%100
49	M41	X	-5.32	-5.32	0	%100
50	M41	Z	-9.215	-9.215	0	%100
51	M39A	X	-3e-6	-3e-6	0	%100
52	M39A	Z	-6e-6	-6e-6	0	%100
53	M41A	X	-3e-6	-3e-6	0	%100
54	M41A	Z	-6e-6	-6e-6	0	%100
55	M48	X	-3.666	-3.666	0	%100
56	M48	Z	-6.349	-6.349	0	%100
57	M49	X	-3.697	-3.697	0	%100
58	M49	Z	-6.404	-6.404	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-3.754	-3.754	0	%100
64	M54	Z	-6.502	-6.502	0	%100
65	M57	X	-6.94	-6.94	0	%100
66	M57	Z	-12.021	-12.021	0	%100
67	M58	X	-6.94	-6.94	0	%100
68	M58	Z	-12.021	-12.021	0	%100
69	M59	X	-2.271	-2.271	0	%100
70	M59	Z	-3.934	-3.934	0	%100
71	M60	X	-6.814	-6.814	0	%100
72	M60	Z	-11.802	-11.802	0	%100
73	M61	X	-1.33	-1.33	0	%100
74	M61	Z	-2.304	-2.304	0	%100
75	M63	X	-3.368	-3.368	0	%100
76	M63	Z	-5.834	-5.834	0	%100
77	M65	X	-3.378	-3.378	0	%100
78	M65	Z	-5.851	-5.851	0	%100
79	M72	X	-.003	-.003	0	%100
80	M72	Z	-.006	-.006	0	%100
81	M73	X	-3.405	-3.405	0	%100
82	M73	Z	-5.897	-5.897	0	%100
83	M76	X	-6.94	-6.94	0	%100
84	M76	Z	-12.021	-12.021	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,%]
85	M77	X	-6.94	-6.94	0	%100
86	M77	Z	-12.021	-12.021	0	%100
87	M78	X	-1.063	-1.063	0	%100
88	M78	Z	-1.841	-1.841	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-2.271	-2.271	0	%100
94	M83	Z	-3.934	-3.934	0	%100
95	M84	X	-6.814	-6.814	0	%100
96	M84	Z	-11.802	-11.802	0	%100
97	M85	X	-1.33	-1.33	0	%100
98	M85	Z	-2.304	-2.304	0	%100
99	M87	X	-3.362	-3.362	0	%100
100	M87	Z	-5.822	-5.822	0	%100
101	M89	X	-3.372	-3.372	0	%100
102	M89	Z	-5.84	-5.84	0	%100
103	M96	X	-3.45	-3.45	0	%100
104	M96	Z	-5.975	-5.975	0	%100
105	M97	X	-.006	-.006	0	%100
106	M97	Z	-.01	-.01	0	%100
107	MP1A	X	-3.596	-3.596	0	%100
108	MP1A	Z	-6.229	-6.229	0	%100
109	MP2A	X	-4.353	-4.353	0	%100
110	MP2A	Z	-7.54	-7.54	0	%100
111	MP3A	X	-3.596	-3.596	0	%100
112	MP3A	Z	-6.229	-6.229	0	%100
113	MP4A	X	-3.596	-3.596	0	%100
114	MP4A	Z	-6.229	-6.229	0	%100
115	MP1C	X	-3.596	-3.596	0	%100
116	MP1C	Z	-6.229	-6.229	0	%100
117	MP2C	X	-4.353	-4.353	0	%100
118	MP2C	Z	-7.54	-7.54	0	%100
119	MP3C	X	-3.596	-3.596	0	%100
120	MP3C	Z	-6.229	-6.229	0	%100
121	MP4C	X	-3.596	-3.596	0	%100
122	MP4C	Z	-6.229	-6.229	0	%100
123	MP1B	X	-3.596	-3.596	0	%100
124	MP1B	Z	-6.229	-6.229	0	%100
125	MP2B	X	-4.353	-4.353	0	%100
126	MP2B	Z	-7.54	-7.54	0	%100
127	MP3B	X	-3.596	-3.596	0	%100
128	MP3B	Z	-6.229	-6.229	0	%100
129	MP4B	X	-3.596	-3.596	0	%100
130	MP4B	Z	-6.229	-6.229	0	%100
131	M122	X	-2.941	-2.941	0	%100
132	M122	Z	-5.094	-5.094	0	%100
133	M124	X	-3.265	-3.265	0	%100
134	M124	Z	-5.655	-5.655	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	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,%]
137	M138	X	-3.265	-3.265	0	%100
138	M138	Z	-5.655	-5.655	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	-4.195	-4.195	0	%100
142	M146	Z	-7.266	-7.266	0	%100
143	M147	X	-4.195	-4.195	0	%100
144	M147	Z	-7.266	-7.266	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	-3.326	-3.326	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.831	-.831	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.831	-.831	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-4.27	-4.27	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-4.27	-4.27	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-4.27	-4.27	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-4.27	-4.27	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-2.468	-2.468	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-3.155	-3.155	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-1.067	-1.067	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-1.067	-1.067	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-1.067	-1.067	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-1.067	-1.067	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-3.714	-3.714	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-1.067	-1.067	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-1.067	-1.067	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-1.067	-1.067	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-1.067	-1.067	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.127	-.127	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	-3.155	-3.155	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-1.068	-1.068	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-1.068	-1.068	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-4.271	-4.271	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-2.5	-2.5	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	-.663	-.663	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	-.667	-.667	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-2.956	-2.956	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-.831	-.831	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	-1.067	-1.067	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	-1.067	-1.067	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-3.714	-3.714	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	-4.27	-4.27	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	-4.27	-4.27	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	-3.155	-3.155	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	-1.068	-1.068	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	-2.5	-2.5	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	-.667	-.667	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-.671	-.671	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	-.808	-.808	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	-2.95	-2.95	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	-1.067	-1.067	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-1.067	-1.067	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	-.127	-.127	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	-1.067	-1.067	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	-1.067	-1.067	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	-4.271	-4.271	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	-2.661	-2.661	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	-2.676	-2.676	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-.673	-.673	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	-.649	-.649	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	-2.682	-2.682	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	-2.968	-2.968	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	-2.682	-2.682	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	-2.682	-2.682	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	-2.682	-2.682	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	-2.968	-2.968	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	-2.682	-2.682	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	-2.682	-2.682	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	-2.682	-2.682	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	-2.968	-2.968	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	-2.682	-2.682	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	-2.682	-2.682	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	-2.203	-2.203	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	-2.968	-2.968	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	-.742	-.742	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	-.742	-.742	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	-.78	-.78	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	-3.121	-3.121	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	-.78	-.78	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.247	1.247	0	%100
2	M1	Z	-2.16	-2.16	0	%100
3	M2	X	1.247	1.247	0	%100
4	M2	Z	-2.16	-2.16	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	1.601	1.601	0	%100
8	M8	Z	-2.773	-2.773	0	%100
9	M9	X	1.601	1.601	0	%100
10	M9	Z	-2.773	-2.773	0	%100
11	M10	X	1.601	1.601	0	%100
12	M10	Z	-2.773	-2.773	0	%100
13	M11	X	1.601	1.601	0	%100
14	M11	Z	-2.773	-2.773	0	%100
15	M12	X	.246	.246	0	%100
16	M12	Z	-.426	-.426	0	%100
17	M13	X	2.103	2.103	0	%100
18	M13	Z	-3.643	-3.643	0	%100
19	M18	X	1.601	1.601	0	%100
20	M18	Z	-2.773	-2.773	0	%100
21	M19	X	1.601	1.601	0	%100
22	M19	Z	-2.773	-2.773	0	%100
23	M20	X	1.601	1.601	0	%100
24	M20	Z	-2.773	-2.773	0	%100
25	M21	X	1.601	1.601	0	%100
26	M21	Z	-2.773	-2.773	0	%100
27	M22	X	2.04	2.04	0	%100
28	M22	Z	-3.533	-3.533	0	%100
29	M23	X	.526	.526	0	%100
30	M23	Z	-.911	-.911	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.869	.869	0	%100
40	M32	Z	-1.505	-1.505	0	%100
41	M33	X	.526	.526	0	%100
42	M33	Z	-.911	-.911	0	%100
43	M34	X	1.602	1.602	0	%100
44	M34	Z	-2.774	-2.774	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	1.602	1.602	0	%100
48	M36	Z	-2.774	-2.774	0	%100
49	M41	X	.417	.417	0	%100
50	M41	Z	-.722	-.722	0	%100
51	M39A	X	.997	.997	0	%100
52	M39A	Z	-1.726	-1.726	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,%]
53	M41A	X	1.002	1.002	0	%100
54	M41A	Z	-1.736	-1.736	0	%100
55	M48	X	1.075	1.075	0	%100
56	M48	Z	-1.862	-1.862	0	%100
57	M49	X	.002	.002	0	%100
58	M49	Z	-.003	-.003	0	%100
59	M52	X	1.601	1.601	0	%100
60	M52	Z	-2.773	-2.773	0	%100
61	M53	X	1.601	1.601	0	%100
62	M53	Z	-2.773	-2.773	0	%100
63	M54	X	2.04	2.04	0	%100
64	M54	Z	-3.533	-3.533	0	%100
65	M57	X	1.601	1.601	0	%100
66	M57	Z	-2.773	-2.773	0	%100
67	M58	X	1.601	1.601	0	%100
68	M58	Z	-2.773	-2.773	0	%100
69	M59	X	2.103	2.103	0	%100
70	M59	Z	-3.643	-3.643	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	1.667	1.667	0	%100
74	M61	Z	-2.887	-2.887	0	%100
75	M63	X	1e-6	1e-6	0	%100
76	M63	Z	-2e-6	-2e-6	0	%100
77	M65	X	1e-6	1e-6	0	%100
78	M65	Z	-2e-6	-2e-6	0	%100
79	M72	X	1.142	1.142	0	%100
80	M72	Z	-1.979	-1.979	0	%100
81	M73	X	1.152	1.152	0	%100
82	M73	Z	-1.996	-1.996	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	.869	.869	0	%100
88	M78	Z	-1.505	-1.505	0	%100
89	M81	X	1.601	1.601	0	%100
90	M81	Z	-2.773	-2.773	0	%100
91	M82	X	1.601	1.601	0	%100
92	M82	Z	-2.773	-2.773	0	%100
93	M83	X	.526	.526	0	%100
94	M83	Z	-.911	-.911	0	%100
95	M84	X	1.602	1.602	0	%100
96	M84	Z	-2.774	-2.774	0	%100
97	M85	X	.417	.417	0	%100
98	M85	Z	-.722	-.722	0	%100
99	M87	X	.999	.999	0	%100
100	M87	Z	-1.73	-1.73	0	%100
101	M89	X	1.004	1.004	0	%100
102	M89	Z	-1.74	-1.74	0	%100
103	M96	X	.001	.001	0	%100
104	M96	Z	-.002	-.002	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,%]
105	M97	X	1.061	1.061	0	%100
106	M97	Z	-1.838	-1.838	0	%100
107	MP1A	X	1.341	1.341	0	%100
108	MP1A	Z	-2.322	-2.322	0	%100
109	MP2A	X	1.484	1.484	0	%100
110	MP2A	Z	-2.57	-2.57	0	%100
111	MP3A	X	1.341	1.341	0	%100
112	MP3A	Z	-2.322	-2.322	0	%100
113	MP4A	X	1.341	1.341	0	%100
114	MP4A	Z	-2.322	-2.322	0	%100
115	MP1C	X	1.341	1.341	0	%100
116	MP1C	Z	-2.322	-2.322	0	%100
117	MP2C	X	1.484	1.484	0	%100
118	MP2C	Z	-2.57	-2.57	0	%100
119	MP3C	X	1.341	1.341	0	%100
120	MP3C	Z	-2.322	-2.322	0	%100
121	MP4C	X	1.341	1.341	0	%100
122	MP4C	Z	-2.322	-2.322	0	%100
123	MP1B	X	1.341	1.341	0	%100
124	MP1B	Z	-2.322	-2.322	0	%100
125	MP2B	X	1.484	1.484	0	%100
126	MP2B	Z	-2.57	-2.57	0	%100
127	MP3B	X	1.341	1.341	0	%100
128	MP3B	Z	-2.322	-2.322	0	%100
129	MP4B	X	1.341	1.341	0	%100
130	MP4B	Z	-2.322	-2.322	0	%100
131	M122	X	1.102	1.102	0	%100
132	M122	Z	-1.908	-1.908	0	%100
133	M124	X	1.113	1.113	0	%100
134	M124	Z	-1.928	-1.928	0	%100
135	M131	X	1.113	1.113	0	%100
136	M131	Z	-1.928	-1.928	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	1.171	1.171	0	%100
140	M145	Z	-2.027	-2.027	0	%100
141	M146	X	1.171	1.171	0	%100
142	M146	Z	-2.027	-2.027	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	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	.72	.72	0	%100
2	M1	Z	-.416	-.416	0	%100
3	M2	X	2.88	2.88	0	%100
4	M2	Z	-1.663	-1.663	0	%100
5	M3	X	.72	.72	0	%100
6	M3	Z	-.416	-.416	0	%100
7	M8	X	.924	.924	0	%100
8	M8	Z	-.534	-.534	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,%]
9	M9	X	.924	.924	0	%100
10	M9	Z	-.534	-.534	0	%100
11	M10	X	.924	.924	0	%100
12	M10	Z	-.534	-.534	0	%100
13	M11	X	.924	.924	0	%100
14	M11	Z	-.534	-.534	0	%100
15	M12	X	.11	.11	0	%100
16	M12	Z	-.063	-.063	0	%100
17	M13	X	2.732	2.732	0	%100
18	M13	Z	-1.577	-1.577	0	%100
19	M18	X	3.698	3.698	0	%100
20	M18	Z	-2.135	-2.135	0	%100
21	M19	X	3.698	3.698	0	%100
22	M19	Z	-2.135	-2.135	0	%100
23	M20	X	3.698	3.698	0	%100
24	M20	Z	-2.135	-2.135	0	%100
25	M21	X	3.698	3.698	0	%100
26	M21	Z	-2.135	-2.135	0	%100
27	M22	X	2.138	2.138	0	%100
28	M22	Z	-1.234	-1.234	0	%100
29	M23	X	2.732	2.732	0	%100
30	M23	Z	-1.577	-1.577	0	%100
31	M28	X	.924	.924	0	%100
32	M28	Z	-.534	-.534	0	%100
33	M29	X	.924	.924	0	%100
34	M29	Z	-.534	-.534	0	%100
35	M30	X	.924	.924	0	%100
36	M30	Z	-.534	-.534	0	%100
37	M31	X	.924	.924	0	%100
38	M31	Z	-.534	-.534	0	%100
39	M32	X	3.216	3.216	0	%100
40	M32	Z	-1.857	-1.857	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	3.699	3.699	0	%100
44	M34	Z	-2.136	-2.136	0	%100
45	M35	X	.925	.925	0	%100
46	M35	Z	-.534	-.534	0	%100
47	M36	X	.925	.925	0	%100
48	M36	Z	-.534	-.534	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	2.304	2.304	0	%100
52	M39A	Z	-1.33	-1.33	0	%100
53	M41A	X	2.317	2.317	0	%100
54	M41A	Z	-1.338	-1.338	0	%100
55	M48	X	.583	.583	0	%100
56	M48	Z	-.337	-.337	0	%100
57	M49	X	.562	.562	0	%100
58	M49	Z	-.325	-.325	0	%100
59	M52	X	3.698	3.698	0	%100
60	M52	Z	-2.135	-2.135	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,%]
61	M53	X	3.698	3.698	0	%100
62	M53	Z	-2.135	-2.135	0	%100
63	M54	X	2.138	2.138	0	%100
64	M54	Z	-1.234	-1.234	0	%100
65	M57	X	.924	.924	0	%100
66	M57	Z	-.534	-.534	0	%100
67	M58	X	.924	.924	0	%100
68	M58	Z	-.534	-.534	0	%100
69	M59	X	2.732	2.732	0	%100
70	M59	Z	-1.577	-1.577	0	%100
71	M60	X	.925	.925	0	%100
72	M60	Z	-.534	-.534	0	%100
73	M61	X	2.165	2.165	0	%100
74	M61	Z	-1.25	-1.25	0	%100
75	M63	X	.574	.574	0	%100
76	M63	Z	-.332	-.332	0	%100
77	M65	X	.578	.578	0	%100
78	M65	Z	-.333	-.333	0	%100
79	M72	X	2.56	2.56	0	%100
80	M72	Z	-1.478	-1.478	0	%100
81	M73	X	.72	.72	0	%100
82	M73	Z	-.416	-.416	0	%100
83	M76	X	.924	.924	0	%100
84	M76	Z	-.534	-.534	0	%100
85	M77	X	.924	.924	0	%100
86	M77	Z	-.534	-.534	0	%100
87	M78	X	3.216	3.216	0	%100
88	M78	Z	-1.857	-1.857	0	%100
89	M81	X	3.698	3.698	0	%100
90	M81	Z	-2.135	-2.135	0	%100
91	M82	X	3.698	3.698	0	%100
92	M82	Z	-2.135	-2.135	0	%100
93	M83	X	2.732	2.732	0	%100
94	M83	Z	-1.577	-1.577	0	%100
95	M84	X	.925	.925	0	%100
96	M84	Z	-.534	-.534	0	%100
97	M85	X	2.165	2.165	0	%100
98	M85	Z	-1.25	-1.25	0	%100
99	M87	X	.578	.578	0	%100
100	M87	Z	-.334	-.334	0	%100
101	M89	X	.581	.581	0	%100
102	M89	Z	-.335	-.335	0	%100
103	M96	X	.7	.7	0	%100
104	M96	Z	-.404	-.404	0	%100
105	M97	X	2.555	2.555	0	%100
106	M97	Z	-1.475	-1.475	0	%100
107	MP1A	X	2.322	2.322	0	%100
108	MP1A	Z	-1.341	-1.341	0	%100
109	MP2A	X	2.57	2.57	0	%100
110	MP2A	Z	-1.484	-1.484	0	%100
111	MP3A	X	2.322	2.322	0	%100
112	MP3A	Z	-1.341	-1.341	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,%]
113	MP4A	X	2.322	2.322	0	%100
114	MP4A	Z	-1.341	-1.341	0	%100
115	MP1C	X	2.322	2.322	0	%100
116	MP1C	Z	-1.341	-1.341	0	%100
117	MP2C	X	2.57	2.57	0	%100
118	MP2C	Z	-1.484	-1.484	0	%100
119	MP3C	X	2.322	2.322	0	%100
120	MP3C	Z	-1.341	-1.341	0	%100
121	MP4C	X	2.322	2.322	0	%100
122	MP4C	Z	-1.341	-1.341	0	%100
123	MP1B	X	2.322	2.322	0	%100
124	MP1B	Z	-1.341	-1.341	0	%100
125	MP2B	X	2.57	2.57	0	%100
126	MP2B	Z	-1.484	-1.484	0	%100
127	MP3B	X	2.322	2.322	0	%100
128	MP3B	Z	-1.341	-1.341	0	%100
129	MP4B	X	2.322	2.322	0	%100
130	MP4B	Z	-1.341	-1.341	0	%100
131	M122	X	1.908	1.908	0	%100
132	M122	Z	-1.102	-1.102	0	%100
133	M124	X	.643	.643	0	%100
134	M124	Z	-.371	-.371	0	%100
135	M131	X	2.57	2.57	0	%100
136	M131	Z	-1.484	-1.484	0	%100
137	M138	X	.643	.643	0	%100
138	M138	Z	-.371	-.371	0	%100
139	M145	X	2.703	2.703	0	%100
140	M145	Z	-1.561	-1.561	0	%100
141	M146	X	.676	.676	0	%100
142	M146	Z	-.39	-.39	0	%100
143	M147	X	.676	.676	0	%100
144	M147	Z	-.39	-.39	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	2.494	2.494	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	2.494	2.494	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	1.738	1.738	0	%100
16	M12	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M13	X	1.052	1.052	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	3.202	3.202	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	3.202	3.202	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	3.202	3.202	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	3.202	3.202	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.492	.492	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	4.206	4.206	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	3.202	3.202	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	3.202	3.202	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	3.202	3.202	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	3.202	3.202	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	4.079	4.079	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	1.052	1.052	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	3.203	3.203	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	3.203	3.203	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	.833	.833	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	1.997	1.997	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	2.009	2.009	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	.002	.002	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	2.122	2.122	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	3.202	3.202	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	3.202	3.202	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	.492	.492	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M59	X	1.052	1.052	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	3.203	3.203	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	.833	.833	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	1.994	1.994	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	2.005	2.005	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	2.15	2.15	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	.004	.004	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	3.202	3.202	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	3.202	3.202	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	4.079	4.079	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	3.202	3.202	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	3.202	3.202	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	4.206	4.206	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	3.333	3.333	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	2e-6	2e-6	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	2e-6	2e-6	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	2.285	2.285	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	2.305	2.305	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	2.682	2.682	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	2.968	2.968	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	2.682	2.682	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	2.682	2.682	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	2.682	2.682	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	2.968	2.968	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	2.682	2.682	0	%100
120	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	MP4C	X	2.682	2.682	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	2.682	2.682	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	2.968	2.968	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	2.682	2.682	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	2.682	2.682	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	2.203	2.203	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	2.226	2.226	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	2.226	2.226	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	2.341	2.341	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	2.341	2.341	0	%100
144	M147	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	.72	.72	0	%100
2	M1	Z	.416	.416	0	%100
3	M2	X	.72	.72	0	%100
4	M2	Z	.416	.416	0	%100
5	M3	X	2.88	2.88	0	%100
6	M3	Z	1.663	1.663	0	%100
7	M8	X	.924	.924	0	%100
8	M8	Z	.534	.534	0	%100
9	M9	X	.924	.924	0	%100
10	M9	Z	.534	.534	0	%100
11	M10	X	.924	.924	0	%100
12	M10	Z	.534	.534	0	%100
13	M11	X	.924	.924	0	%100
14	M11	Z	.534	.534	0	%100
15	M12	X	3.216	3.216	0	%100
16	M12	Z	1.857	1.857	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	.924	.924	0	%100
20	M18	Z	.534	.534	0	%100
21	M19	X	.924	.924	0	%100
22	M19	Z	.534	.534	0	%100
23	M20	X	.924	.924	0	%100
24	M20	Z	.534	.534	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,%]
25	M21	X	.924	.924	0	%100
26	M21	Z	.534	.534	0	%100
27	M22	X	.11	.11	0	%100
28	M22	Z	.063	.063	0	%100
29	M23	X	2.732	2.732	0	%100
30	M23	Z	1.577	1.577	0	%100
31	M28	X	3.698	3.698	0	%100
32	M28	Z	2.135	2.135	0	%100
33	M29	X	3.698	3.698	0	%100
34	M29	Z	2.135	2.135	0	%100
35	M30	X	3.698	3.698	0	%100
36	M30	Z	2.135	2.135	0	%100
37	M31	X	3.698	3.698	0	%100
38	M31	Z	2.135	2.135	0	%100
39	M32	X	2.138	2.138	0	%100
40	M32	Z	1.234	1.234	0	%100
41	M33	X	2.732	2.732	0	%100
42	M33	Z	1.577	1.577	0	%100
43	M34	X	.925	.925	0	%100
44	M34	Z	.534	.534	0	%100
45	M35	X	3.699	3.699	0	%100
46	M35	Z	2.136	2.136	0	%100
47	M36	X	.925	.925	0	%100
48	M36	Z	.534	.534	0	%100
49	M41	X	2.165	2.165	0	%100
50	M41	Z	1.25	1.25	0	%100
51	M39A	X	.578	.578	0	%100
52	M39A	Z	.334	.334	0	%100
53	M41A	X	.581	.581	0	%100
54	M41A	Z	.335	.335	0	%100
55	M48	X	.7	.7	0	%100
56	M48	Z	.404	.404	0	%100
57	M49	X	2.555	2.555	0	%100
58	M49	Z	1.475	1.475	0	%100
59	M52	X	.924	.924	0	%100
60	M52	Z	.534	.534	0	%100
61	M53	X	.924	.924	0	%100
62	M53	Z	.534	.534	0	%100
63	M54	X	.11	.11	0	%100
64	M54	Z	.063	.063	0	%100
65	M57	X	.924	.924	0	%100
66	M57	Z	.534	.534	0	%100
67	M58	X	.924	.924	0	%100
68	M58	Z	.534	.534	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	3.699	3.699	0	%100
72	M60	Z	2.136	2.136	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	2.304	2.304	0	%100
76	M63	Z	1.33	1.33	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,%]
77	M65	X	2.317	2.317	0	%100
78	M65	Z	1.338	1.338	0	%100
79	M72	X	.583	.583	0	%100
80	M72	Z	.337	.337	0	%100
81	M73	X	.562	.562	0	%100
82	M73	Z	.325	.325	0	%100
83	M76	X	3.698	3.698	0	%100
84	M76	Z	2.135	2.135	0	%100
85	M77	X	3.698	3.698	0	%100
86	M77	Z	2.135	2.135	0	%100
87	M78	X	2.138	2.138	0	%100
88	M78	Z	1.234	1.234	0	%100
89	M81	X	.924	.924	0	%100
90	M81	Z	.534	.534	0	%100
91	M82	X	.924	.924	0	%100
92	M82	Z	.534	.534	0	%100
93	M83	X	2.732	2.732	0	%100
94	M83	Z	1.577	1.577	0	%100
95	M84	X	.925	.925	0	%100
96	M84	Z	.534	.534	0	%100
97	M85	X	2.165	2.165	0	%100
98	M85	Z	1.25	1.25	0	%100
99	M87	X	.574	.574	0	%100
100	M87	Z	.332	.332	0	%100
101	M89	X	.578	.578	0	%100
102	M89	Z	.333	.333	0	%100
103	M96	X	2.56	2.56	0	%100
104	M96	Z	1.478	1.478	0	%100
105	M97	X	.72	.72	0	%100
106	M97	Z	.416	.416	0	%100
107	MP1A	X	2.322	2.322	0	%100
108	MP1A	Z	1.341	1.341	0	%100
109	MP2A	X	2.57	2.57	0	%100
110	MP2A	Z	1.484	1.484	0	%100
111	MP3A	X	2.322	2.322	0	%100
112	MP3A	Z	1.341	1.341	0	%100
113	MP4A	X	2.322	2.322	0	%100
114	MP4A	Z	1.341	1.341	0	%100
115	MP1C	X	2.322	2.322	0	%100
116	MP1C	Z	1.341	1.341	0	%100
117	MP2C	X	2.57	2.57	0	%100
118	MP2C	Z	1.484	1.484	0	%100
119	MP3C	X	2.322	2.322	0	%100
120	MP3C	Z	1.341	1.341	0	%100
121	MP4C	X	2.322	2.322	0	%100
122	MP4C	Z	1.341	1.341	0	%100
123	MP1B	X	2.322	2.322	0	%100
124	MP1B	Z	1.341	1.341	0	%100
125	MP2B	X	2.57	2.57	0	%100
126	MP2B	Z	1.484	1.484	0	%100
127	MP3B	X	2.322	2.322	0	%100
128	MP3B	Z	1.341	1.341	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,%]
129	MP4B	X	2.322	2.322	0	%100
130	MP4B	Z	1.341	1.341	0	%100
131	M122	X	1.908	1.908	0	%100
132	M122	Z	1.102	1.102	0	%100
133	M124	X	.643	.643	0	%100
134	M124	Z	.371	.371	0	%100
135	M131	X	.643	.643	0	%100
136	M131	Z	.371	.371	0	%100
137	M138	X	2.57	2.57	0	%100
138	M138	Z	1.484	1.484	0	%100
139	M145	X	.676	.676	0	%100
140	M145	Z	.39	.39	0	%100
141	M146	X	.676	.676	0	%100
142	M146	Z	.39	.39	0	%100
143	M147	X	2.703	2.703	0	%100
144	M147	Z	1.561	1.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	1.247	1.247	0	%100
2	M1	Z	2.16	2.16	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	1.247	1.247	0	%100
6	M3	Z	2.16	2.16	0	%100
7	M8	X	1.601	1.601	0	%100
8	M8	Z	2.773	2.773	0	%100
9	M9	X	1.601	1.601	0	%100
10	M9	Z	2.773	2.773	0	%100
11	M10	X	1.601	1.601	0	%100
12	M10	Z	2.773	2.773	0	%100
13	M11	X	1.601	1.601	0	%100
14	M11	Z	2.773	2.773	0	%100
15	M12	X	2.04	2.04	0	%100
16	M12	Z	3.533	3.533	0	%100
17	M13	X	.526	.526	0	%100
18	M13	Z	.911	.911	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.869	.869	0	%100
28	M22	Z	1.505	1.505	0	%100
29	M23	X	.526	.526	0	%100
30	M23	Z	.911	.911	0	%100
31	M28	X	1.601	1.601	0	%100
32	M28	Z	2.773	2.773	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,%]
33	M29	X	1.601	1.601	0	%100
34	M29	Z	2.773	2.773	0	%100
35	M30	X	1.601	1.601	0	%100
36	M30	Z	2.773	2.773	0	%100
37	M31	X	1.601	1.601	0	%100
38	M31	Z	2.773	2.773	0	%100
39	M32	X	.246	.246	0	%100
40	M32	Z	.426	.426	0	%100
41	M33	X	2.103	2.103	0	%100
42	M33	Z	3.643	3.643	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	1.602	1.602	0	%100
46	M35	Z	2.774	2.774	0	%100
47	M36	X	1.602	1.602	0	%100
48	M36	Z	2.774	2.774	0	%100
49	M41	X	1.667	1.667	0	%100
50	M41	Z	2.887	2.887	0	%100
51	M39A	X	1e-6	1e-6	0	%100
52	M39A	Z	2e-6	2e-6	0	%100
53	M41A	X	1e-6	1e-6	0	%100
54	M41A	Z	2e-6	2e-6	0	%100
55	M48	X	1.142	1.142	0	%100
56	M48	Z	1.979	1.979	0	%100
57	M49	X	1.152	1.152	0	%100
58	M49	Z	1.996	1.996	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	.869	.869	0	%100
64	M54	Z	1.505	1.505	0	%100
65	M57	X	1.601	1.601	0	%100
66	M57	Z	2.773	2.773	0	%100
67	M58	X	1.601	1.601	0	%100
68	M58	Z	2.773	2.773	0	%100
69	M59	X	.526	.526	0	%100
70	M59	Z	.911	.911	0	%100
71	M60	X	1.602	1.602	0	%100
72	M60	Z	2.774	2.774	0	%100
73	M61	X	.417	.417	0	%100
74	M61	Z	.722	.722	0	%100
75	M63	X	.999	.999	0	%100
76	M63	Z	1.73	1.73	0	%100
77	M65	X	1.004	1.004	0	%100
78	M65	Z	1.74	1.74	0	%100
79	M72	X	.001	.001	0	%100
80	M72	Z	.002	.002	0	%100
81	M73	X	1.061	1.061	0	%100
82	M73	Z	1.838	1.838	0	%100
83	M76	X	1.601	1.601	0	%100
84	M76	Z	2.773	2.773	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,%]
85	M77	X	1.601	1.601	0	%100
86	M77	Z	2.773	2.773	0	%100
87	M78	X	.246	.246	0	%100
88	M78	Z	.426	.426	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	.526	.526	0	%100
94	M83	Z	.911	.911	0	%100
95	M84	X	1.602	1.602	0	%100
96	M84	Z	2.774	2.774	0	%100
97	M85	X	.417	.417	0	%100
98	M85	Z	.722	.722	0	%100
99	M87	X	.997	.997	0	%100
100	M87	Z	1.726	1.726	0	%100
101	M89	X	1.002	1.002	0	%100
102	M89	Z	1.736	1.736	0	%100
103	M96	X	1.075	1.075	0	%100
104	M96	Z	1.862	1.862	0	%100
105	M97	X	.002	.002	0	%100
106	M97	Z	.003	.003	0	%100
107	MP1A	X	1.341	1.341	0	%100
108	MP1A	Z	2.322	2.322	0	%100
109	MP2A	X	1.484	1.484	0	%100
110	MP2A	Z	2.57	2.57	0	%100
111	MP3A	X	1.341	1.341	0	%100
112	MP3A	Z	2.322	2.322	0	%100
113	MP4A	X	1.341	1.341	0	%100
114	MP4A	Z	2.322	2.322	0	%100
115	MP1C	X	1.341	1.341	0	%100
116	MP1C	Z	2.322	2.322	0	%100
117	MP2C	X	1.484	1.484	0	%100
118	MP2C	Z	2.57	2.57	0	%100
119	MP3C	X	1.341	1.341	0	%100
120	MP3C	Z	2.322	2.322	0	%100
121	MP4C	X	1.341	1.341	0	%100
122	MP4C	Z	2.322	2.322	0	%100
123	MP1B	X	1.341	1.341	0	%100
124	MP1B	Z	2.322	2.322	0	%100
125	MP2B	X	1.484	1.484	0	%100
126	MP2B	Z	2.57	2.57	0	%100
127	MP3B	X	1.341	1.341	0	%100
128	MP3B	Z	2.322	2.322	0	%100
129	MP4B	X	1.341	1.341	0	%100
130	MP4B	Z	2.322	2.322	0	%100
131	M122	X	1.102	1.102	0	%100
132	M122	Z	1.908	1.908	0	%100
133	M124	X	1.113	1.113	0	%100
134	M124	Z	1.928	1.928	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
137	M138	X	1.113	1.113	0	%100
138	M138	Z	1.928	1.928	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	1.171	1.171	0	%100
142	M146	Z	2.027	2.027	0	%100
143	M147	X	1.171	1.171	0	%100
144	M147	Z	2.027	2.027	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	3.326	3.326	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.831	.831	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.831	.831	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	4.27	4.27	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	4.27	4.27	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	4.27	4.27	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	4.27	4.27	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	2.468	2.468	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	3.155	3.155	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	1.067	1.067	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	1.067	1.067	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	1.067	1.067	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	1.067	1.067	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	3.714	3.714	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	1.067	1.067	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	1.067	1.067	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	1.067	1.067	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	1.067	1.067	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.127	.127	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	3.155	3.155	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	1.068	1.068	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	1.068	1.068	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	4.271	4.271	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	2.5	2.5	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	.663	.663	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	.667	.667	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	2.956	2.956	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	.831	.831	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	1.067	1.067	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	1.067	1.067	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	3.714	3.714	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	4.27	4.27	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	4.27	4.27	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	3.155	3.155	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	1.068	1.068	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	2.5	2.5	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	.667	.667	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	.671	.671	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	.808	.808	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	2.95	2.95	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	1.067	1.067	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	1.067	1.067	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	.127	.127	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	1.067	1.067	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	1.067	1.067	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	4.271	4.271	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	2.661	2.661	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	2.676	2.676	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	.673	.673	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	.649	.649	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	2.682	2.682	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	2.968	2.968	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	2.682	2.682	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	2.682	2.682	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	2.682	2.682	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	2.968	2.968	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	2.682	2.682	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	2.682	2.682	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	2.682	2.682	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	2.968	2.968	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	2.682	2.682	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	2.682	2.682	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	2.203	2.203	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	2.968	2.968	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	.742	.742	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	.742	.742	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	.78	.78	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	3.121	3.121	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	.78	.78	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.247	-1.247	0	%100
2	M1	Z	2.16	2.16	0	%100
3	M2	X	-1.247	-1.247	0	%100
4	M2	Z	2.16	2.16	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	-1.601	-1.601	0	%100
8	M8	Z	2.773	2.773	0	%100
9	M9	X	-1.601	-1.601	0	%100
10	M9	Z	2.773	2.773	0	%100
11	M10	X	-1.601	-1.601	0	%100
12	M10	Z	2.773	2.773	0	%100
13	M11	X	-1.601	-1.601	0	%100
14	M11	Z	2.773	2.773	0	%100
15	M12	X	-.246	-.246	0	%100
16	M12	Z	.426	.426	0	%100
17	M13	X	-2.103	-2.103	0	%100
18	M13	Z	3.643	3.643	0	%100
19	M18	X	-1.601	-1.601	0	%100
20	M18	Z	2.773	2.773	0	%100
21	M19	X	-1.601	-1.601	0	%100
22	M19	Z	2.773	2.773	0	%100
23	M20	X	-1.601	-1.601	0	%100
24	M20	Z	2.773	2.773	0	%100
25	M21	X	-1.601	-1.601	0	%100
26	M21	Z	2.773	2.773	0	%100
27	M22	X	-2.04	-2.04	0	%100
28	M22	Z	3.533	3.533	0	%100
29	M23	X	-.526	-.526	0	%100
30	M23	Z	.911	.911	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.869	-.869	0	%100
40	M32	Z	1.505	1.505	0	%100
41	M33	X	-.526	-.526	0	%100
42	M33	Z	.911	.911	0	%100
43	M34	X	-1.602	-1.602	0	%100
44	M34	Z	2.774	2.774	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-1.602	-1.602	0	%100
48	M36	Z	2.774	2.774	0	%100
49	M41	X	-.417	-.417	0	%100
50	M41	Z	.722	.722	0	%100
51	M39A	X	-.997	-.997	0	%100
52	M39A	Z	1.726	1.726	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,%]
53	M41A	X	-1.002	-1.002	0	%100
54	M41A	Z	1.736	1.736	0	%100
55	M48	X	-1.075	-1.075	0	%100
56	M48	Z	1.862	1.862	0	%100
57	M49	X	-.002	-.002	0	%100
58	M49	Z	.003	.003	0	%100
59	M52	X	-1.601	-1.601	0	%100
60	M52	Z	2.773	2.773	0	%100
61	M53	X	-1.601	-1.601	0	%100
62	M53	Z	2.773	2.773	0	%100
63	M54	X	-2.04	-2.04	0	%100
64	M54	Z	3.533	3.533	0	%100
65	M57	X	-1.601	-1.601	0	%100
66	M57	Z	2.773	2.773	0	%100
67	M58	X	-1.601	-1.601	0	%100
68	M58	Z	2.773	2.773	0	%100
69	M59	X	-2.103	-2.103	0	%100
70	M59	Z	3.643	3.643	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-1.667	-1.667	0	%100
74	M61	Z	2.887	2.887	0	%100
75	M63	X	-1e-6	-1e-6	0	%100
76	M63	Z	2e-6	2e-6	0	%100
77	M65	X	-1e-6	-1e-6	0	%100
78	M65	Z	2e-6	2e-6	0	%100
79	M72	X	-1.142	-1.142	0	%100
80	M72	Z	1.979	1.979	0	%100
81	M73	X	-1.152	-1.152	0	%100
82	M73	Z	1.996	1.996	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-.869	-.869	0	%100
88	M78	Z	1.505	1.505	0	%100
89	M81	X	-1.601	-1.601	0	%100
90	M81	Z	2.773	2.773	0	%100
91	M82	X	-1.601	-1.601	0	%100
92	M82	Z	2.773	2.773	0	%100
93	M83	X	-.526	-.526	0	%100
94	M83	Z	.911	.911	0	%100
95	M84	X	-1.602	-1.602	0	%100
96	M84	Z	2.774	2.774	0	%100
97	M85	X	-.417	-.417	0	%100
98	M85	Z	.722	.722	0	%100
99	M87	X	-.999	-.999	0	%100
100	M87	Z	1.73	1.73	0	%100
101	M89	X	-1.004	-1.004	0	%100
102	M89	Z	1.74	1.74	0	%100
103	M96	X	-.001	-.001	0	%100
104	M96	Z	.002	.002	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,%]
105	M97	X	-1.061	-1.061	0	%100
106	M97	Z	1.838	1.838	0	%100
107	MP1A	X	-1.341	-1.341	0	%100
108	MP1A	Z	2.322	2.322	0	%100
109	MP2A	X	-1.484	-1.484	0	%100
110	MP2A	Z	2.57	2.57	0	%100
111	MP3A	X	-1.341	-1.341	0	%100
112	MP3A	Z	2.322	2.322	0	%100
113	MP4A	X	-1.341	-1.341	0	%100
114	MP4A	Z	2.322	2.322	0	%100
115	MP1C	X	-1.341	-1.341	0	%100
116	MP1C	Z	2.322	2.322	0	%100
117	MP2C	X	-1.484	-1.484	0	%100
118	MP2C	Z	2.57	2.57	0	%100
119	MP3C	X	-1.341	-1.341	0	%100
120	MP3C	Z	2.322	2.322	0	%100
121	MP4C	X	-1.341	-1.341	0	%100
122	MP4C	Z	2.322	2.322	0	%100
123	MP1B	X	-1.341	-1.341	0	%100
124	MP1B	Z	2.322	2.322	0	%100
125	MP2B	X	-1.484	-1.484	0	%100
126	MP2B	Z	2.57	2.57	0	%100
127	MP3B	X	-1.341	-1.341	0	%100
128	MP3B	Z	2.322	2.322	0	%100
129	MP4B	X	-1.341	-1.341	0	%100
130	MP4B	Z	2.322	2.322	0	%100
131	M122	X	-1.102	-1.102	0	%100
132	M122	Z	1.908	1.908	0	%100
133	M124	X	-1.113	-1.113	0	%100
134	M124	Z	1.928	1.928	0	%100
135	M131	X	-1.113	-1.113	0	%100
136	M131	Z	1.928	1.928	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-1.171	-1.171	0	%100
140	M145	Z	2.027	2.027	0	%100
141	M146	X	-1.171	-1.171	0	%100
142	M146	Z	2.027	2.027	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	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	-.72	-.72	0	%100
2	M1	Z	.416	.416	0	%100
3	M2	X	-2.88	-2.88	0	%100
4	M2	Z	1.663	1.663	0	%100
5	M3	X	-.72	-.72	0	%100
6	M3	Z	.416	.416	0	%100
7	M8	X	-.924	-.924	0	%100
8	M8	Z	.534	.534	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,%]
9	M9	X	-.924	-.924	0	%100
10	M9	Z	.534	.534	0	%100
11	M10	X	-.924	-.924	0	%100
12	M10	Z	.534	.534	0	%100
13	M11	X	-.924	-.924	0	%100
14	M11	Z	.534	.534	0	%100
15	M12	X	-.11	-.11	0	%100
16	M12	Z	.063	.063	0	%100
17	M13	X	-2.732	-2.732	0	%100
18	M13	Z	1.577	1.577	0	%100
19	M18	X	-3.698	-3.698	0	%100
20	M18	Z	2.135	2.135	0	%100
21	M19	X	-3.698	-3.698	0	%100
22	M19	Z	2.135	2.135	0	%100
23	M20	X	-3.698	-3.698	0	%100
24	M20	Z	2.135	2.135	0	%100
25	M21	X	-3.698	-3.698	0	%100
26	M21	Z	2.135	2.135	0	%100
27	M22	X	-2.138	-2.138	0	%100
28	M22	Z	1.234	1.234	0	%100
29	M23	X	-2.732	-2.732	0	%100
30	M23	Z	1.577	1.577	0	%100
31	M28	X	-.924	-.924	0	%100
32	M28	Z	.534	.534	0	%100
33	M29	X	-.924	-.924	0	%100
34	M29	Z	.534	.534	0	%100
35	M30	X	-.924	-.924	0	%100
36	M30	Z	.534	.534	0	%100
37	M31	X	-.924	-.924	0	%100
38	M31	Z	.534	.534	0	%100
39	M32	X	-3.216	-3.216	0	%100
40	M32	Z	1.857	1.857	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-3.699	-3.699	0	%100
44	M34	Z	2.136	2.136	0	%100
45	M35	X	-.925	-.925	0	%100
46	M35	Z	.534	.534	0	%100
47	M36	X	-.925	-.925	0	%100
48	M36	Z	.534	.534	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-2.304	-2.304	0	%100
52	M39A	Z	1.33	1.33	0	%100
53	M41A	X	-2.317	-2.317	0	%100
54	M41A	Z	1.338	1.338	0	%100
55	M48	X	-.583	-.583	0	%100
56	M48	Z	.337	.337	0	%100
57	M49	X	-.562	-.562	0	%100
58	M49	Z	.325	.325	0	%100
59	M52	X	-3.698	-3.698	0	%100
60	M52	Z	2.135	2.135	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,%]
61	M53	X	-3.698	-3.698	0	%100
62	M53	Z	2.135	2.135	0	%100
63	M54	X	-2.138	-2.138	0	%100
64	M54	Z	1.234	1.234	0	%100
65	M57	X	-.924	-.924	0	%100
66	M57	Z	.534	.534	0	%100
67	M58	X	-.924	-.924	0	%100
68	M58	Z	.534	.534	0	%100
69	M59	X	-2.732	-2.732	0	%100
70	M59	Z	1.577	1.577	0	%100
71	M60	X	-.925	-.925	0	%100
72	M60	Z	.534	.534	0	%100
73	M61	X	-2.165	-2.165	0	%100
74	M61	Z	1.25	1.25	0	%100
75	M63	X	-.574	-.574	0	%100
76	M63	Z	.332	.332	0	%100
77	M65	X	-.578	-.578	0	%100
78	M65	Z	.333	.333	0	%100
79	M72	X	-2.56	-2.56	0	%100
80	M72	Z	1.478	1.478	0	%100
81	M73	X	-.72	-.72	0	%100
82	M73	Z	.416	.416	0	%100
83	M76	X	-.924	-.924	0	%100
84	M76	Z	.534	.534	0	%100
85	M77	X	-.924	-.924	0	%100
86	M77	Z	.534	.534	0	%100
87	M78	X	-3.216	-3.216	0	%100
88	M78	Z	1.857	1.857	0	%100
89	M81	X	-3.698	-3.698	0	%100
90	M81	Z	2.135	2.135	0	%100
91	M82	X	-3.698	-3.698	0	%100
92	M82	Z	2.135	2.135	0	%100
93	M83	X	-2.732	-2.732	0	%100
94	M83	Z	1.577	1.577	0	%100
95	M84	X	-.925	-.925	0	%100
96	M84	Z	.534	.534	0	%100
97	M85	X	-2.165	-2.165	0	%100
98	M85	Z	1.25	1.25	0	%100
99	M87	X	-.578	-.578	0	%100
100	M87	Z	.334	.334	0	%100
101	M89	X	-.581	-.581	0	%100
102	M89	Z	.335	.335	0	%100
103	M96	X	-.7	-.7	0	%100
104	M96	Z	.404	.404	0	%100
105	M97	X	-2.555	-2.555	0	%100
106	M97	Z	1.475	1.475	0	%100
107	MP1A	X	-2.322	-2.322	0	%100
108	MP1A	Z	1.341	1.341	0	%100
109	MP2A	X	-2.57	-2.57	0	%100
110	MP2A	Z	1.484	1.484	0	%100
111	MP3A	X	-2.322	-2.322	0	%100
112	MP3A	Z	1.341	1.341	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,%]
113	MP4A	X	-2.322	-2.322	0	%100
114	MP4A	Z	1.341	1.341	0	%100
115	MP1C	X	-2.322	-2.322	0	%100
116	MP1C	Z	1.341	1.341	0	%100
117	MP2C	X	-2.57	-2.57	0	%100
118	MP2C	Z	1.484	1.484	0	%100
119	MP3C	X	-2.322	-2.322	0	%100
120	MP3C	Z	1.341	1.341	0	%100
121	MP4C	X	-2.322	-2.322	0	%100
122	MP4C	Z	1.341	1.341	0	%100
123	MP1B	X	-2.322	-2.322	0	%100
124	MP1B	Z	1.341	1.341	0	%100
125	MP2B	X	-2.57	-2.57	0	%100
126	MP2B	Z	1.484	1.484	0	%100
127	MP3B	X	-2.322	-2.322	0	%100
128	MP3B	Z	1.341	1.341	0	%100
129	MP4B	X	-2.322	-2.322	0	%100
130	MP4B	Z	1.341	1.341	0	%100
131	M122	X	-1.908	-1.908	0	%100
132	M122	Z	1.102	1.102	0	%100
133	M124	X	-.643	-.643	0	%100
134	M124	Z	.371	.371	0	%100
135	M131	X	-2.57	-2.57	0	%100
136	M131	Z	1.484	1.484	0	%100
137	M138	X	-.643	-.643	0	%100
138	M138	Z	.371	.371	0	%100
139	M145	X	-2.703	-2.703	0	%100
140	M145	Z	1.561	1.561	0	%100
141	M146	X	-.676	-.676	0	%100
142	M146	Z	.39	.39	0	%100
143	M147	X	-.676	-.676	0	%100
144	M147	Z	.39	.39	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	-2.494	-2.494	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-2.494	-2.494	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-1.738	-1.738	0	%100
16	M12	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,%]
17	M13	X	-1.052	-1.052	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-3.202	-3.202	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	-3.202	-3.202	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-3.202	-3.202	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-3.202	-3.202	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.492	-.492	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-4.206	-4.206	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	-3.202	-3.202	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-3.202	-3.202	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-3.202	-3.202	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-3.202	-3.202	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-4.079	-4.079	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-1.052	-1.052	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-3.203	-3.203	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-3.203	-3.203	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	-.833	-.833	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-1.997	-1.997	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	-2.009	-2.009	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	-.002	-.002	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-2.122	-2.122	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	-3.202	-3.202	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	-3.202	-3.202	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-.492	-.492	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M59	X	-1.052	-1.052	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-3.203	-3.203	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-.833	-.833	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-1.994	-1.994	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	-2.005	-2.005	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	-2.15	-2.15	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	-.004	-.004	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	-3.202	-3.202	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	-3.202	-3.202	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-4.079	-4.079	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	-3.202	-3.202	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	-3.202	-3.202	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-4.206	-4.206	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	-3.333	-3.333	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	-2e-6	-2e-6	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	-2e-6	-2e-6	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	-2.285	-2.285	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	-2.305	-2.305	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	-2.682	-2.682	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	-2.968	-2.968	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	-2.682	-2.682	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	-2.682	-2.682	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	-2.682	-2.682	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	-2.968	-2.968	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	-2.682	-2.682	0	%100
120	MP3C	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,%]
121	MP4C	X	-2.682	-2.682	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	-2.682	-2.682	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	-2.968	-2.968	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	-2.682	-2.682	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	-2.682	-2.682	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	-2.203	-2.203	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	-2.226	-2.226	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	-2.226	-2.226	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-2.341	-2.341	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	-2.341	-2.341	0	%100
144	M147	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	-.72	-.72	0	%100
2	M1	Z	-.416	-.416	0	%100
3	M2	X	-.72	-.72	0	%100
4	M2	Z	-.416	-.416	0	%100
5	M3	X	-2.88	-2.88	0	%100
6	M3	Z	-1.663	-1.663	0	%100
7	M8	X	-.924	-.924	0	%100
8	M8	Z	-.534	-.534	0	%100
9	M9	X	-.924	-.924	0	%100
10	M9	Z	-.534	-.534	0	%100
11	M10	X	-.924	-.924	0	%100
12	M10	Z	-.534	-.534	0	%100
13	M11	X	-.924	-.924	0	%100
14	M11	Z	-.534	-.534	0	%100
15	M12	X	-3.216	-3.216	0	%100
16	M12	Z	-1.857	-1.857	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-.924	-.924	0	%100
20	M18	Z	-.534	-.534	0	%100
21	M19	X	-.924	-.924	0	%100
22	M19	Z	-.534	-.534	0	%100
23	M20	X	-.924	-.924	0	%100
24	M20	Z	-.534	-.534	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,%]
25	M21	X	-.924	-.924	0	%100
26	M21	Z	-.534	-.534	0	%100
27	M22	X	-.11	-.11	0	%100
28	M22	Z	-.063	-.063	0	%100
29	M23	X	-2.732	-2.732	0	%100
30	M23	Z	-1.577	-1.577	0	%100
31	M28	X	-3.698	-3.698	0	%100
32	M28	Z	-2.135	-2.135	0	%100
33	M29	X	-3.698	-3.698	0	%100
34	M29	Z	-2.135	-2.135	0	%100
35	M30	X	-3.698	-3.698	0	%100
36	M30	Z	-2.135	-2.135	0	%100
37	M31	X	-3.698	-3.698	0	%100
38	M31	Z	-2.135	-2.135	0	%100
39	M32	X	-2.138	-2.138	0	%100
40	M32	Z	-1.234	-1.234	0	%100
41	M33	X	-2.732	-2.732	0	%100
42	M33	Z	-1.577	-1.577	0	%100
43	M34	X	-.925	-.925	0	%100
44	M34	Z	-.534	-.534	0	%100
45	M35	X	-3.699	-3.699	0	%100
46	M35	Z	-2.136	-2.136	0	%100
47	M36	X	-.925	-.925	0	%100
48	M36	Z	-.534	-.534	0	%100
49	M41	X	-2.165	-2.165	0	%100
50	M41	Z	-1.25	-1.25	0	%100
51	M39A	X	-.578	-.578	0	%100
52	M39A	Z	-.334	-.334	0	%100
53	M41A	X	-.581	-.581	0	%100
54	M41A	Z	-.335	-.335	0	%100
55	M48	X	-.7	-.7	0	%100
56	M48	Z	-.404	-.404	0	%100
57	M49	X	-2.555	-2.555	0	%100
58	M49	Z	-1.475	-1.475	0	%100
59	M52	X	-.924	-.924	0	%100
60	M52	Z	-.534	-.534	0	%100
61	M53	X	-.924	-.924	0	%100
62	M53	Z	-.534	-.534	0	%100
63	M54	X	-.11	-.11	0	%100
64	M54	Z	-.063	-.063	0	%100
65	M57	X	-.924	-.924	0	%100
66	M57	Z	-.534	-.534	0	%100
67	M58	X	-.924	-.924	0	%100
68	M58	Z	-.534	-.534	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-3.699	-3.699	0	%100
72	M60	Z	-2.136	-2.136	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-2.304	-2.304	0	%100
76	M63	Z	-1.33	-1.33	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,%]
77	M65	X	-2.317	-2.317	0	%100
78	M65	Z	-1.338	-1.338	0	%100
79	M72	X	-.583	-.583	0	%100
80	M72	Z	-.337	-.337	0	%100
81	M73	X	-.562	-.562	0	%100
82	M73	Z	-.325	-.325	0	%100
83	M76	X	-3.698	-3.698	0	%100
84	M76	Z	-2.135	-2.135	0	%100
85	M77	X	-3.698	-3.698	0	%100
86	M77	Z	-2.135	-2.135	0	%100
87	M78	X	-2.138	-2.138	0	%100
88	M78	Z	-1.234	-1.234	0	%100
89	M81	X	-.924	-.924	0	%100
90	M81	Z	-.534	-.534	0	%100
91	M82	X	-.924	-.924	0	%100
92	M82	Z	-.534	-.534	0	%100
93	M83	X	-2.732	-2.732	0	%100
94	M83	Z	-1.577	-1.577	0	%100
95	M84	X	-.925	-.925	0	%100
96	M84	Z	-.534	-.534	0	%100
97	M85	X	-2.165	-2.165	0	%100
98	M85	Z	-1.25	-1.25	0	%100
99	M87	X	-.574	-.574	0	%100
100	M87	Z	-.332	-.332	0	%100
101	M89	X	-.578	-.578	0	%100
102	M89	Z	-.333	-.333	0	%100
103	M96	X	-2.56	-2.56	0	%100
104	M96	Z	-1.478	-1.478	0	%100
105	M97	X	-.72	-.72	0	%100
106	M97	Z	-.416	-.416	0	%100
107	MP1A	X	-2.322	-2.322	0	%100
108	MP1A	Z	-1.341	-1.341	0	%100
109	MP2A	X	-2.57	-2.57	0	%100
110	MP2A	Z	-1.484	-1.484	0	%100
111	MP3A	X	-2.322	-2.322	0	%100
112	MP3A	Z	-1.341	-1.341	0	%100
113	MP4A	X	-2.322	-2.322	0	%100
114	MP4A	Z	-1.341	-1.341	0	%100
115	MP1C	X	-2.322	-2.322	0	%100
116	MP1C	Z	-1.341	-1.341	0	%100
117	MP2C	X	-2.57	-2.57	0	%100
118	MP2C	Z	-1.484	-1.484	0	%100
119	MP3C	X	-2.322	-2.322	0	%100
120	MP3C	Z	-1.341	-1.341	0	%100
121	MP4C	X	-2.322	-2.322	0	%100
122	MP4C	Z	-1.341	-1.341	0	%100
123	MP1B	X	-2.322	-2.322	0	%100
124	MP1B	Z	-1.341	-1.341	0	%100
125	MP2B	X	-2.57	-2.57	0	%100
126	MP2B	Z	-1.484	-1.484	0	%100
127	MP3B	X	-2.322	-2.322	0	%100
128	MP3B	Z	-1.341	-1.341	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,%]
129	MP4B	X	-2.322	-2.322	0	%100
130	MP4B	Z	-1.341	-1.341	0	%100
131	M122	X	-1.908	-1.908	0	%100
132	M122	Z	-1.102	-1.102	0	%100
133	M124	X	-.643	-.643	0	%100
134	M124	Z	-.371	-.371	0	%100
135	M131	X	-.643	-.643	0	%100
136	M131	Z	-.371	-.371	0	%100
137	M138	X	-2.57	-2.57	0	%100
138	M138	Z	-1.484	-1.484	0	%100
139	M145	X	-.676	-.676	0	%100
140	M145	Z	-.39	-.39	0	%100
141	M146	X	-.676	-.676	0	%100
142	M146	Z	-.39	-.39	0	%100
143	M147	X	-2.703	-2.703	0	%100
144	M147	Z	-1.561	-1.561	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	-1.247	-1.247	0	%100
2	M1	Z	-2.16	-2.16	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-1.247	-1.247	0	%100
6	M3	Z	-2.16	-2.16	0	%100
7	M8	X	-1.601	-1.601	0	%100
8	M8	Z	-2.773	-2.773	0	%100
9	M9	X	-1.601	-1.601	0	%100
10	M9	Z	-2.773	-2.773	0	%100
11	M10	X	-1.601	-1.601	0	%100
12	M10	Z	-2.773	-2.773	0	%100
13	M11	X	-1.601	-1.601	0	%100
14	M11	Z	-2.773	-2.773	0	%100
15	M12	X	-2.04	-2.04	0	%100
16	M12	Z	-3.533	-3.533	0	%100
17	M13	X	-.526	-.526	0	%100
18	M13	Z	-.911	-.911	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.869	-.869	0	%100
28	M22	Z	-1.505	-1.505	0	%100
29	M23	X	-.526	-.526	0	%100
30	M23	Z	-.911	-.911	0	%100
31	M28	X	-1.601	-1.601	0	%100
32	M28	Z	-2.773	-2.773	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,%]
33	M29	X	-1.601	-1.601	0	%100
34	M29	Z	-2.773	-2.773	0	%100
35	M30	X	-1.601	-1.601	0	%100
36	M30	Z	-2.773	-2.773	0	%100
37	M31	X	-1.601	-1.601	0	%100
38	M31	Z	-2.773	-2.773	0	%100
39	M32	X	-.246	-.246	0	%100
40	M32	Z	-.426	-.426	0	%100
41	M33	X	-2.103	-2.103	0	%100
42	M33	Z	-3.643	-3.643	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-1.602	-1.602	0	%100
46	M35	Z	-2.774	-2.774	0	%100
47	M36	X	-1.602	-1.602	0	%100
48	M36	Z	-2.774	-2.774	0	%100
49	M41	X	-1.667	-1.667	0	%100
50	M41	Z	-2.887	-2.887	0	%100
51	M39A	X	-1e-6	-1e-6	0	%100
52	M39A	Z	-2e-6	-2e-6	0	%100
53	M41A	X	-1e-6	-1e-6	0	%100
54	M41A	Z	-2e-6	-2e-6	0	%100
55	M48	X	-1.142	-1.142	0	%100
56	M48	Z	-1.979	-1.979	0	%100
57	M49	X	-1.152	-1.152	0	%100
58	M49	Z	-1.996	-1.996	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-.869	-.869	0	%100
64	M54	Z	-1.505	-1.505	0	%100
65	M57	X	-1.601	-1.601	0	%100
66	M57	Z	-2.773	-2.773	0	%100
67	M58	X	-1.601	-1.601	0	%100
68	M58	Z	-2.773	-2.773	0	%100
69	M59	X	-.526	-.526	0	%100
70	M59	Z	-.911	-.911	0	%100
71	M60	X	-1.602	-1.602	0	%100
72	M60	Z	-2.774	-2.774	0	%100
73	M61	X	-.417	-.417	0	%100
74	M61	Z	-.722	-.722	0	%100
75	M63	X	-.999	-.999	0	%100
76	M63	Z	-1.73	-1.73	0	%100
77	M65	X	-1.004	-1.004	0	%100
78	M65	Z	-1.74	-1.74	0	%100
79	M72	X	-.001	-.001	0	%100
80	M72	Z	-.002	-.002	0	%100
81	M73	X	-1.061	-1.061	0	%100
82	M73	Z	-1.838	-1.838	0	%100
83	M76	X	-1.601	-1.601	0	%100
84	M76	Z	-2.773	-2.773	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,%]
85	M77	X	-1.601	-1.601	0	%100
86	M77	Z	-2.773	-2.773	0	%100
87	M78	X	-.246	-.246	0	%100
88	M78	Z	-.426	-.426	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-.526	-.526	0	%100
94	M83	Z	-.911	-.911	0	%100
95	M84	X	-1.602	-1.602	0	%100
96	M84	Z	-2.774	-2.774	0	%100
97	M85	X	-.417	-.417	0	%100
98	M85	Z	-.722	-.722	0	%100
99	M87	X	-.997	-.997	0	%100
100	M87	Z	-1.726	-1.726	0	%100
101	M89	X	-1.002	-1.002	0	%100
102	M89	Z	-1.736	-1.736	0	%100
103	M96	X	-1.075	-1.075	0	%100
104	M96	Z	-1.862	-1.862	0	%100
105	M97	X	-.002	-.002	0	%100
106	M97	Z	-.003	-.003	0	%100
107	MP1A	X	-1.341	-1.341	0	%100
108	MP1A	Z	-2.322	-2.322	0	%100
109	MP2A	X	-1.484	-1.484	0	%100
110	MP2A	Z	-2.57	-2.57	0	%100
111	MP3A	X	-1.341	-1.341	0	%100
112	MP3A	Z	-2.322	-2.322	0	%100
113	MP4A	X	-1.341	-1.341	0	%100
114	MP4A	Z	-2.322	-2.322	0	%100
115	MP1C	X	-1.341	-1.341	0	%100
116	MP1C	Z	-2.322	-2.322	0	%100
117	MP2C	X	-1.484	-1.484	0	%100
118	MP2C	Z	-2.57	-2.57	0	%100
119	MP3C	X	-1.341	-1.341	0	%100
120	MP3C	Z	-2.322	-2.322	0	%100
121	MP4C	X	-1.341	-1.341	0	%100
122	MP4C	Z	-2.322	-2.322	0	%100
123	MP1B	X	-1.341	-1.341	0	%100
124	MP1B	Z	-2.322	-2.322	0	%100
125	MP2B	X	-1.484	-1.484	0	%100
126	MP2B	Z	-2.57	-2.57	0	%100
127	MP3B	X	-1.341	-1.341	0	%100
128	MP3B	Z	-2.322	-2.322	0	%100
129	MP4B	X	-1.341	-1.341	0	%100
130	MP4B	Z	-2.322	-2.322	0	%100
131	M122	X	-1.102	-1.102	0	%100
132	M122	Z	-1.908	-1.908	0	%100
133	M124	X	-1.113	-1.113	0	%100
134	M124	Z	-1.928	-1.928	0	%100
135	M131	X	0	0	0	%100
136	M131	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,%]
137	M138	X	-1.113	-1.113	0	%100
138	M138	Z	-1.928	-1.928	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	-1.171	-1.171	0	%100
142	M146	Z	-2.027	-2.027	0	%100
143	M147	X	-1.171	-1.171	0	%100
144	M147	Z	-2.027	-2.027	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	-.721	-.721	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	-.18	-.18	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	-.18	-.18	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	-1.259	-1.259	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	-1.259	-1.259	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	-1.259	-1.259	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	-1.259	-1.259	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	-.726	-.726	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	-.927	-.927	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	-.315	-.315	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	-.315	-.315	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	-.315	-.315	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	-.315	-.315	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	-1.092	-1.092	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	-.315	-.315	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	-.315	-.315	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	-.315	-.315	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	-.315	-.315	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	-.037	-.037	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	-.927	-.927	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	-.309	-.309	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	-.309	-.309	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	-1.237	-1.237	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	-.543	-.543	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	-.152	-.152	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	-.153	-.153	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	-.645	-.645	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	-.182	-.182	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	-.315	-.315	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	-.315	-.315	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	-1.092	-1.092	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	-1.259	-1.259	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	-1.259	-1.259	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	-.927	-.927	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	-.309	-.309	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	-.543	-.543	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	-.153	-.153	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	-.154	-.154	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	-.176	-.176	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	-.644	-.644	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	-.315	-.315	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	-.315	-.315	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	-.037	-.037	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	-.315	-.315	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	-.315	-.315	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	-1.237	-1.237	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	-.611	-.611	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	-.612	-.612	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-.147	-.147	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	-.142	-.142	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	-.489	-.489	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	-.593	-.593	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	-.489	-.489	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	-.489	-.489	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	-.489	-.489	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	-.593	-.593	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	-.489	-.489	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	-.489	-.489	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	-.489	-.489	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	-.593	-.593	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	-.489	-.489	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	-.489	-.489	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	-.4	-.4	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	-.593	-.593	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	-.148	-.148	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	-.148	-.148	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	-.19	-.19	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	-.761	-.761	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	-.19	-.19	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	.27	.27	0	%100
2	M1	Z	-.469	-.469	0	%100
3	M2	X	.27	.27	0	%100
4	M2	Z	-.469	-.469	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	.472	.472	0	%100
8	M8	Z	-.818	-.818	0	%100
9	M9	X	.472	.472	0	%100
10	M9	Z	-.818	-.818	0	%100
11	M10	X	.472	.472	0	%100
12	M10	Z	-.818	-.818	0	%100
13	M11	X	.472	.472	0	%100
14	M11	Z	-.818	-.818	0	%100
15	M12	X	.072	.072	0	%100
16	M12	Z	-.125	-.125	0	%100
17	M13	X	.618	.618	0	%100
18	M13	Z	-1.071	-1.071	0	%100
19	M18	X	.472	.472	0	%100
20	M18	Z	-.818	-.818	0	%100
21	M19	X	.472	.472	0	%100
22	M19	Z	-.818	-.818	0	%100
23	M20	X	.472	.472	0	%100
24	M20	Z	-.818	-.818	0	%100
25	M21	X	.472	.472	0	%100
26	M21	Z	-.818	-.818	0	%100
27	M22	X	.6	.6	0	%100
28	M22	Z	-1.039	-1.039	0	%100
29	M23	X	.155	.155	0	%100
30	M23	Z	-.268	-.268	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	.255	.255	0	%100
40	M32	Z	-.442	-.442	0	%100
41	M33	X	.155	.155	0	%100
42	M33	Z	-.268	-.268	0	%100
43	M34	X	.464	.464	0	%100
44	M34	Z	-.803	-.803	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	.464	.464	0	%100
48	M36	Z	-.803	-.803	0	%100
49	M41	X	.091	.091	0	%100
50	M41	Z	-.157	-.157	0	%100
51	M39A	X	.229	.229	0	%100
52	M39A	Z	-.396	-.396	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,%]
53	M41A	X	.229	.229	0	%100
54	M41A	Z	-.397	-.397	0	%100
55	M48	X	.235	.235	0	%100
56	M48	Z	-.407	-.407	0	%100
57	M49	X	.00041	.00041	0	%100
58	M49	Z	-.000709	-.000709	0	%100
59	M52	X	.472	.472	0	%100
60	M52	Z	-.818	-.818	0	%100
61	M53	X	.472	.472	0	%100
62	M53	Z	-.818	-.818	0	%100
63	M54	X	.6	.6	0	%100
64	M54	Z	-1.039	-1.039	0	%100
65	M57	X	.472	.472	0	%100
66	M57	Z	-.818	-.818	0	%100
67	M58	X	.472	.472	0	%100
68	M58	Z	-.818	-.818	0	%100
69	M59	X	.618	.618	0	%100
70	M59	Z	-1.071	-1.071	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	.362	.362	0	%100
74	M61	Z	-.627	-.627	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	.249	.249	0	%100
80	M72	Z	-.432	-.432	0	%100
81	M73	X	.252	.252	0	%100
82	M73	Z	-.436	-.436	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	.255	.255	0	%100
88	M78	Z	-.442	-.442	0	%100
89	M81	X	.472	.472	0	%100
90	M81	Z	-.818	-.818	0	%100
91	M82	X	.472	.472	0	%100
92	M82	Z	-.818	-.818	0	%100
93	M83	X	.155	.155	0	%100
94	M83	Z	-.268	-.268	0	%100
95	M84	X	.464	.464	0	%100
96	M84	Z	-.803	-.803	0	%100
97	M85	X	.091	.091	0	%100
98	M85	Z	-.157	-.157	0	%100
99	M87	X	.229	.229	0	%100
100	M87	Z	-.397	-.397	0	%100
101	M89	X	.23	.23	0	%100
102	M89	Z	-.398	-.398	0	%100
103	M96	X	.000223	.000223	0	%100
104	M96	Z	-.000386	-.000386	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,%]
105	M97	X	.232	.232	0	%100
106	M97	Z	-.401	-.401	0	%100
107	MP1A	X	.245	.245	0	%100
108	MP1A	Z	-.424	-.424	0	%100
109	MP2A	X	.296	.296	0	%100
110	MP2A	Z	-.513	-.513	0	%100
111	MP3A	X	.245	.245	0	%100
112	MP3A	Z	-.424	-.424	0	%100
113	MP4A	X	.245	.245	0	%100
114	MP4A	Z	-.424	-.424	0	%100
115	MP1C	X	.245	.245	0	%100
116	MP1C	Z	-.424	-.424	0	%100
117	MP2C	X	.296	.296	0	%100
118	MP2C	Z	-.513	-.513	0	%100
119	MP3C	X	.245	.245	0	%100
120	MP3C	Z	-.424	-.424	0	%100
121	MP4C	X	.245	.245	0	%100
122	MP4C	Z	-.424	-.424	0	%100
123	MP1B	X	.245	.245	0	%100
124	MP1B	Z	-.424	-.424	0	%100
125	MP2B	X	.296	.296	0	%100
126	MP2B	Z	-.513	-.513	0	%100
127	MP3B	X	.245	.245	0	%100
128	MP3B	Z	-.424	-.424	0	%100
129	MP4B	X	.245	.245	0	%100
130	MP4B	Z	-.424	-.424	0	%100
131	M122	X	.2	.2	0	%100
132	M122	Z	-.347	-.347	0	%100
133	M124	X	.222	.222	0	%100
134	M124	Z	-.385	-.385	0	%100
135	M131	X	.222	.222	0	%100
136	M131	Z	-.385	-.385	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	.285	.285	0	%100
140	M145	Z	-.494	-.494	0	%100
141	M146	X	.285	.285	0	%100
142	M146	Z	-.494	-.494	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	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	.156	.156	0	%100
2	M1	Z	-.09	-.09	0	%100
3	M2	X	.625	.625	0	%100
4	M2	Z	-.361	-.361	0	%100
5	M3	X	.156	.156	0	%100
6	M3	Z	-.09	-.09	0	%100
7	M8	X	.273	.273	0	%100
8	M8	Z	-.157	-.157	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,%]
9	M9	X	.273	.273	0	%100
10	M9	Z	-.157	-.157	0	%100
11	M10	X	.273	.273	0	%100
12	M10	Z	-.157	-.157	0	%100
13	M11	X	.273	.273	0	%100
14	M11	Z	-.157	-.157	0	%100
15	M12	X	.032	.032	0	%100
16	M12	Z	-.019	-.019	0	%100
17	M13	X	.803	.803	0	%100
18	M13	Z	-.464	-.464	0	%100
19	M18	X	1.091	1.091	0	%100
20	M18	Z	-.63	-.63	0	%100
21	M19	X	1.091	1.091	0	%100
22	M19	Z	-.63	-.63	0	%100
23	M20	X	1.091	1.091	0	%100
24	M20	Z	-.63	-.63	0	%100
25	M21	X	1.091	1.091	0	%100
26	M21	Z	-.63	-.63	0	%100
27	M22	X	.628	.628	0	%100
28	M22	Z	-.363	-.363	0	%100
29	M23	X	.803	.803	0	%100
30	M23	Z	-.464	-.464	0	%100
31	M28	X	.273	.273	0	%100
32	M28	Z	-.157	-.157	0	%100
33	M29	X	.273	.273	0	%100
34	M29	Z	-.157	-.157	0	%100
35	M30	X	.273	.273	0	%100
36	M30	Z	-.157	-.157	0	%100
37	M31	X	.273	.273	0	%100
38	M31	Z	-.157	-.157	0	%100
39	M32	X	.946	.946	0	%100
40	M32	Z	-.546	-.546	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	1.071	1.071	0	%100
44	M34	Z	-.618	-.618	0	%100
45	M35	X	.268	.268	0	%100
46	M35	Z	-.155	-.155	0	%100
47	M36	X	.268	.268	0	%100
48	M36	Z	-.155	-.155	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	.529	.529	0	%100
52	M39A	Z	-.305	-.305	0	%100
53	M41A	X	.53	.53	0	%100
54	M41A	Z	-.306	-.306	0	%100
55	M48	X	.127	.127	0	%100
56	M48	Z	-.074	-.074	0	%100
57	M49	X	.123	.123	0	%100
58	M49	Z	-.071	-.071	0	%100
59	M52	X	1.091	1.091	0	%100
60	M52	Z	-.63	-.63	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,%]
61	M53	X	1.091	1.091	0	%100
62	M53	Z	-.63	-.63	0	%100
63	M54	X	.628	.628	0	%100
64	M54	Z	-.363	-.363	0	%100
65	M57	X	.273	.273	0	%100
66	M57	Z	-.157	-.157	0	%100
67	M58	X	.273	.273	0	%100
68	M58	Z	-.157	-.157	0	%100
69	M59	X	.803	.803	0	%100
70	M59	Z	-.464	-.464	0	%100
71	M60	X	.268	.268	0	%100
72	M60	Z	-.155	-.155	0	%100
73	M61	X	.47	.47	0	%100
74	M61	Z	-.272	-.272	0	%100
75	M63	X	.132	.132	0	%100
76	M63	Z	-.076	-.076	0	%100
77	M65	X	.132	.132	0	%100
78	M65	Z	-.076	-.076	0	%100
79	M72	X	.559	.559	0	%100
80	M72	Z	-.323	-.323	0	%100
81	M73	X	.157	.157	0	%100
82	M73	Z	-.091	-.091	0	%100
83	M76	X	.273	.273	0	%100
84	M76	Z	-.157	-.157	0	%100
85	M77	X	.273	.273	0	%100
86	M77	Z	-.157	-.157	0	%100
87	M78	X	.946	.946	0	%100
88	M78	Z	-.546	-.546	0	%100
89	M81	X	1.091	1.091	0	%100
90	M81	Z	-.63	-.63	0	%100
91	M82	X	1.091	1.091	0	%100
92	M82	Z	-.63	-.63	0	%100
93	M83	X	.803	.803	0	%100
94	M83	Z	-.464	-.464	0	%100
95	M84	X	.268	.268	0	%100
96	M84	Z	-.155	-.155	0	%100
97	M85	X	.47	.47	0	%100
98	M85	Z	-.272	-.272	0	%100
99	M87	X	.133	.133	0	%100
100	M87	Z	-.077	-.077	0	%100
101	M89	X	.133	.133	0	%100
102	M89	Z	-.077	-.077	0	%100
103	M96	X	.153	.153	0	%100
104	M96	Z	-.088	-.088	0	%100
105	M97	X	.558	.558	0	%100
106	M97	Z	-.322	-.322	0	%100
107	MP1A	X	.424	.424	0	%100
108	MP1A	Z	-.245	-.245	0	%100
109	MP2A	X	.513	.513	0	%100
110	MP2A	Z	-.296	-.296	0	%100
111	MP3A	X	.424	.424	0	%100
112	MP3A	Z	-.245	-.245	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,%]
113	MP4A	X	.424	.424	0	%100
114	MP4A	Z	-.245	-.245	0	%100
115	MP1C	X	.424	.424	0	%100
116	MP1C	Z	-.245	-.245	0	%100
117	MP2C	X	.513	.513	0	%100
118	MP2C	Z	-.296	-.296	0	%100
119	MP3C	X	.424	.424	0	%100
120	MP3C	Z	-.245	-.245	0	%100
121	MP4C	X	.424	.424	0	%100
122	MP4C	Z	-.245	-.245	0	%100
123	MP1B	X	.424	.424	0	%100
124	MP1B	Z	-.245	-.245	0	%100
125	MP2B	X	.513	.513	0	%100
126	MP2B	Z	-.296	-.296	0	%100
127	MP3B	X	.424	.424	0	%100
128	MP3B	Z	-.245	-.245	0	%100
129	MP4B	X	.424	.424	0	%100
130	MP4B	Z	-.245	-.245	0	%100
131	M122	X	.347	.347	0	%100
132	M122	Z	-.2	-.2	0	%100
133	M124	X	.128	.128	0	%100
134	M124	Z	-.074	-.074	0	%100
135	M131	X	.513	.513	0	%100
136	M131	Z	-.296	-.296	0	%100
137	M138	X	.128	.128	0	%100
138	M138	Z	-.074	-.074	0	%100
139	M145	X	.659	.659	0	%100
140	M145	Z	-.381	-.381	0	%100
141	M146	X	.165	.165	0	%100
142	M146	Z	-.095	-.095	0	%100
143	M147	X	.165	.165	0	%100
144	M147	Z	-.095	-.095	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	.541	.541	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.541	.541	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	.511	.511	0	%100
16	M12	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,%]
17	M13	X	.309	.309	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	.945	.945	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	.945	.945	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	.945	.945	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	.945	.945	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.145	.145	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	1.237	1.237	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	.945	.945	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	.945	.945	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	.945	.945	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	.945	.945	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	1.199	1.199	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	.309	.309	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	.927	.927	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.927	.927	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	.181	.181	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	.458	.458	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	.46	.46	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	.000446	.000446	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	.463	.463	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	.945	.945	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	.945	.945	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	.145	.145	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	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,%]
69	M59	X	.309	.309	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	.927	.927	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	.181	.181	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	.458	.458	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	.459	.459	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	.47	.47	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	.000819	.000819	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	.945	.945	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	.945	.945	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	1.199	1.199	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	.945	.945	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	.945	.945	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	1.237	1.237	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	.724	.724	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	.499	.499	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	.503	.503	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	.489	.489	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	.593	.593	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	.489	.489	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	.489	.489	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	.489	.489	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	.593	.593	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	.489	.489	0	%100
120	MP3C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
121	MP4C	X	.489	.489	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	.489	.489	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	.593	.593	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	.489	.489	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	.489	.489	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	.4	.4	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	.444	.444	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	.444	.444	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	.571	.571	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	.571	.571	0	%100
144	M147	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	.156	.156	0	%100
2	M1	Z	.09	.09	0	%100
3	M2	X	.156	.156	0	%100
4	M2	Z	.09	.09	0	%100
5	M3	X	.625	.625	0	%100
6	M3	Z	.361	.361	0	%100
7	M8	X	.273	.273	0	%100
8	M8	Z	.157	.157	0	%100
9	M9	X	.273	.273	0	%100
10	M9	Z	.157	.157	0	%100
11	M10	X	.273	.273	0	%100
12	M10	Z	.157	.157	0	%100
13	M11	X	.273	.273	0	%100
14	M11	Z	.157	.157	0	%100
15	M12	X	.946	.946	0	%100
16	M12	Z	.546	.546	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	.273	.273	0	%100
20	M18	Z	.157	.157	0	%100
21	M19	X	.273	.273	0	%100
22	M19	Z	.157	.157	0	%100
23	M20	X	.273	.273	0	%100
24	M20	Z	.157	.157	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,%]
25	M21	X	.273	.273	0	%100
26	M21	Z	.157	.157	0	%100
27	M22	X	.032	.032	0	%100
28	M22	Z	.019	.019	0	%100
29	M23	X	.803	.803	0	%100
30	M23	Z	.464	.464	0	%100
31	M28	X	1.091	1.091	0	%100
32	M28	Z	.63	.63	0	%100
33	M29	X	1.091	1.091	0	%100
34	M29	Z	.63	.63	0	%100
35	M30	X	1.091	1.091	0	%100
36	M30	Z	.63	.63	0	%100
37	M31	X	1.091	1.091	0	%100
38	M31	Z	.63	.63	0	%100
39	M32	X	.628	.628	0	%100
40	M32	Z	.363	.363	0	%100
41	M33	X	.803	.803	0	%100
42	M33	Z	.464	.464	0	%100
43	M34	X	.268	.268	0	%100
44	M34	Z	.155	.155	0	%100
45	M35	X	1.071	1.071	0	%100
46	M35	Z	.618	.618	0	%100
47	M36	X	.268	.268	0	%100
48	M36	Z	.155	.155	0	%100
49	M41	X	.47	.47	0	%100
50	M41	Z	.272	.272	0	%100
51	M39A	X	.133	.133	0	%100
52	M39A	Z	.077	.077	0	%100
53	M41A	X	.133	.133	0	%100
54	M41A	Z	.077	.077	0	%100
55	M48	X	.153	.153	0	%100
56	M48	Z	.088	.088	0	%100
57	M49	X	.558	.558	0	%100
58	M49	Z	.322	.322	0	%100
59	M52	X	.273	.273	0	%100
60	M52	Z	.157	.157	0	%100
61	M53	X	.273	.273	0	%100
62	M53	Z	.157	.157	0	%100
63	M54	X	.032	.032	0	%100
64	M54	Z	.019	.019	0	%100
65	M57	X	.273	.273	0	%100
66	M57	Z	.157	.157	0	%100
67	M58	X	.273	.273	0	%100
68	M58	Z	.157	.157	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	1.071	1.071	0	%100
72	M60	Z	.618	.618	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	.529	.529	0	%100
76	M63	Z	.305	.305	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,%]
77	M65	X	.53	.53	0	%100
78	M65	Z	.306	.306	0	%100
79	M72	X	.127	.127	0	%100
80	M72	Z	.074	.074	0	%100
81	M73	X	.123	.123	0	%100
82	M73	Z	.071	.071	0	%100
83	M76	X	1.091	1.091	0	%100
84	M76	Z	.63	.63	0	%100
85	M77	X	1.091	1.091	0	%100
86	M77	Z	.63	.63	0	%100
87	M78	X	.628	.628	0	%100
88	M78	Z	.363	.363	0	%100
89	M81	X	.273	.273	0	%100
90	M81	Z	.157	.157	0	%100
91	M82	X	.273	.273	0	%100
92	M82	Z	.157	.157	0	%100
93	M83	X	.803	.803	0	%100
94	M83	Z	.464	.464	0	%100
95	M84	X	.268	.268	0	%100
96	M84	Z	.155	.155	0	%100
97	M85	X	.47	.47	0	%100
98	M85	Z	.272	.272	0	%100
99	M87	X	.132	.132	0	%100
100	M87	Z	.076	.076	0	%100
101	M89	X	.132	.132	0	%100
102	M89	Z	.076	.076	0	%100
103	M96	X	.559	.559	0	%100
104	M96	Z	.323	.323	0	%100
105	M97	X	.157	.157	0	%100
106	M97	Z	.091	.091	0	%100
107	MP1A	X	.424	.424	0	%100
108	MP1A	Z	.245	.245	0	%100
109	MP2A	X	.513	.513	0	%100
110	MP2A	Z	.296	.296	0	%100
111	MP3A	X	.424	.424	0	%100
112	MP3A	Z	.245	.245	0	%100
113	MP4A	X	.424	.424	0	%100
114	MP4A	Z	.245	.245	0	%100
115	MP1C	X	.424	.424	0	%100
116	MP1C	Z	.245	.245	0	%100
117	MP2C	X	.513	.513	0	%100
118	MP2C	Z	.296	.296	0	%100
119	MP3C	X	.424	.424	0	%100
120	MP3C	Z	.245	.245	0	%100
121	MP4C	X	.424	.424	0	%100
122	MP4C	Z	.245	.245	0	%100
123	MP1B	X	.424	.424	0	%100
124	MP1B	Z	.245	.245	0	%100
125	MP2B	X	.513	.513	0	%100
126	MP2B	Z	.296	.296	0	%100
127	MP3B	X	.424	.424	0	%100
128	MP3B	Z	.245	.245	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,%]
129	MP4B	X	.424	.424	0	%100
130	MP4B	Z	.245	.245	0	%100
131	M122	X	.347	.347	0	%100
132	M122	Z	.2	.2	0	%100
133	M124	X	.128	.128	0	%100
134	M124	Z	.074	.074	0	%100
135	M131	X	.128	.128	0	%100
136	M131	Z	.074	.074	0	%100
137	M138	X	.513	.513	0	%100
138	M138	Z	.296	.296	0	%100
139	M145	X	.165	.165	0	%100
140	M145	Z	.095	.095	0	%100
141	M146	X	.165	.165	0	%100
142	M146	Z	.095	.095	0	%100
143	M147	X	.659	.659	0	%100
144	M147	Z	.381	.381	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	.27	.27	0	%100
2	M1	Z	.469	.469	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	.27	.27	0	%100
6	M3	Z	.469	.469	0	%100
7	M8	X	.472	.472	0	%100
8	M8	Z	.818	.818	0	%100
9	M9	X	.472	.472	0	%100
10	M9	Z	.818	.818	0	%100
11	M10	X	.472	.472	0	%100
12	M10	Z	.818	.818	0	%100
13	M11	X	.472	.472	0	%100
14	M11	Z	.818	.818	0	%100
15	M12	X	.6	.6	0	%100
16	M12	Z	1.039	1.039	0	%100
17	M13	X	.155	.155	0	%100
18	M13	Z	.268	.268	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	.255	.255	0	%100
28	M22	Z	.442	.442	0	%100
29	M23	X	.155	.155	0	%100
30	M23	Z	.268	.268	0	%100
31	M28	X	.472	.472	0	%100
32	M28	Z	.818	.818	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,%]
33	M29	X	.472	.472	0	%100
34	M29	Z	.818	.818	0	%100
35	M30	X	.472	.472	0	%100
36	M30	Z	.818	.818	0	%100
37	M31	X	.472	.472	0	%100
38	M31	Z	.818	.818	0	%100
39	M32	X	.072	.072	0	%100
40	M32	Z	.125	.125	0	%100
41	M33	X	.618	.618	0	%100
42	M33	Z	1.071	1.071	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	.464	.464	0	%100
46	M35	Z	.803	.803	0	%100
47	M36	X	.464	.464	0	%100
48	M36	Z	.803	.803	0	%100
49	M41	X	.362	.362	0	%100
50	M41	Z	.627	.627	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	.249	.249	0	%100
56	M48	Z	.432	.432	0	%100
57	M49	X	.252	.252	0	%100
58	M49	Z	.436	.436	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	.255	.255	0	%100
64	M54	Z	.442	.442	0	%100
65	M57	X	.472	.472	0	%100
66	M57	Z	.818	.818	0	%100
67	M58	X	.472	.472	0	%100
68	M58	Z	.818	.818	0	%100
69	M59	X	.155	.155	0	%100
70	M59	Z	.268	.268	0	%100
71	M60	X	.464	.464	0	%100
72	M60	Z	.803	.803	0	%100
73	M61	X	.091	.091	0	%100
74	M61	Z	.157	.157	0	%100
75	M63	X	.229	.229	0	%100
76	M63	Z	.397	.397	0	%100
77	M65	X	.23	.23	0	%100
78	M65	Z	.398	.398	0	%100
79	M72	X	.000223	.000223	0	%100
80	M72	Z	.000386	.000386	0	%100
81	M73	X	.232	.232	0	%100
82	M73	Z	.401	.401	0	%100
83	M76	X	.472	.472	0	%100
84	M76	Z	.818	.818	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,%]
85	M77	X	.472	.472	0	%100
86	M77	Z	.818	.818	0	%100
87	M78	X	.072	.072	0	%100
88	M78	Z	.125	.125	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	.155	.155	0	%100
94	M83	Z	.268	.268	0	%100
95	M84	X	.464	.464	0	%100
96	M84	Z	.803	.803	0	%100
97	M85	X	.091	.091	0	%100
98	M85	Z	.157	.157	0	%100
99	M87	X	.229	.229	0	%100
100	M87	Z	.396	.396	0	%100
101	M89	X	.229	.229	0	%100
102	M89	Z	.397	.397	0	%100
103	M96	X	.235	.235	0	%100
104	M96	Z	.407	.407	0	%100
105	M97	X	.00041	.00041	0	%100
106	M97	Z	.000709	.000709	0	%100
107	MP1A	X	.245	.245	0	%100
108	MP1A	Z	.424	.424	0	%100
109	MP2A	X	.296	.296	0	%100
110	MP2A	Z	.513	.513	0	%100
111	MP3A	X	.245	.245	0	%100
112	MP3A	Z	.424	.424	0	%100
113	MP4A	X	.245	.245	0	%100
114	MP4A	Z	.424	.424	0	%100
115	MP1C	X	.245	.245	0	%100
116	MP1C	Z	.424	.424	0	%100
117	MP2C	X	.296	.296	0	%100
118	MP2C	Z	.513	.513	0	%100
119	MP3C	X	.245	.245	0	%100
120	MP3C	Z	.424	.424	0	%100
121	MP4C	X	.245	.245	0	%100
122	MP4C	Z	.424	.424	0	%100
123	MP1B	X	.245	.245	0	%100
124	MP1B	Z	.424	.424	0	%100
125	MP2B	X	.296	.296	0	%100
126	MP2B	Z	.513	.513	0	%100
127	MP3B	X	.245	.245	0	%100
128	MP3B	Z	.424	.424	0	%100
129	MP4B	X	.245	.245	0	%100
130	MP4B	Z	.424	.424	0	%100
131	M122	X	.2	.2	0	%100
132	M122	Z	.347	.347	0	%100
133	M124	X	.222	.222	0	%100
134	M124	Z	.385	.385	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	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,%]
137	M138	X	.222	.222	0	%100
138	M138	Z	.385	.385	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	.285	.285	0	%100
142	M146	Z	.494	.494	0	%100
143	M147	X	.285	.285	0	%100
144	M147	Z	.494	.494	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	.721	.721	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	.18	.18	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	.18	.18	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	1.259	1.259	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	1.259	1.259	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	1.259	1.259	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	1.259	1.259	0	%100
15	M12	X	0	0	0	%100
16	M12	Z	.726	.726	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	.927	.927	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	.315	.315	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	.315	.315	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	.315	.315	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	.315	.315	0	%100
27	M22	X	0	0	0	%100
28	M22	Z	1.092	1.092	0	%100
29	M23	X	0	0	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	.315	.315	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	.315	.315	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	.315	.315	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	.315	.315	0	%100
39	M32	X	0	0	0	%100
40	M32	Z	.037	.037	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,%]
41	M33	X	0	0	0	%100
42	M33	Z	.927	.927	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	.309	.309	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	.309	.309	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	1.237	1.237	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	.543	.543	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	.152	.152	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	.153	.153	0	%100
55	M48	X	0	0	0	%100
56	M48	Z	.645	.645	0	%100
57	M49	X	0	0	0	%100
58	M49	Z	.182	.182	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	.315	.315	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	.315	.315	0	%100
63	M54	X	0	0	0	%100
64	M54	Z	1.092	1.092	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	1.259	1.259	0	%100
67	M58	X	0	0	0	%100
68	M58	Z	1.259	1.259	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	.927	.927	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	.309	.309	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	.543	.543	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	.153	.153	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	.154	.154	0	%100
79	M72	X	0	0	0	%100
80	M72	Z	.176	.176	0	%100
81	M73	X	0	0	0	%100
82	M73	Z	.644	.644	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	.315	.315	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	.315	.315	0	%100
87	M78	X	0	0	0	%100
88	M78	Z	.037	.037	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	.315	.315	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	.315	.315	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,%]
93	M83	X	0	0	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	1.237	1.237	0	%100
97	M85	X	0	0	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	.611	.611	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	.612	.612	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	.147	.147	0	%100
105	M97	X	0	0	0	%100
106	M97	Z	.142	.142	0	%100
107	MP1A	X	0	0	0	%100
108	MP1A	Z	.489	.489	0	%100
109	MP2A	X	0	0	0	%100
110	MP2A	Z	.593	.593	0	%100
111	MP3A	X	0	0	0	%100
112	MP3A	Z	.489	.489	0	%100
113	MP4A	X	0	0	0	%100
114	MP4A	Z	.489	.489	0	%100
115	MP1C	X	0	0	0	%100
116	MP1C	Z	.489	.489	0	%100
117	MP2C	X	0	0	0	%100
118	MP2C	Z	.593	.593	0	%100
119	MP3C	X	0	0	0	%100
120	MP3C	Z	.489	.489	0	%100
121	MP4C	X	0	0	0	%100
122	MP4C	Z	.489	.489	0	%100
123	MP1B	X	0	0	0	%100
124	MP1B	Z	.489	.489	0	%100
125	MP2B	X	0	0	0	%100
126	MP2B	Z	.593	.593	0	%100
127	MP3B	X	0	0	0	%100
128	MP3B	Z	.489	.489	0	%100
129	MP4B	X	0	0	0	%100
130	MP4B	Z	.489	.489	0	%100
131	M122	X	0	0	0	%100
132	M122	Z	.4	.4	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	.593	.593	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	.148	.148	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	.148	.148	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	.19	.19	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	.761	.761	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	.19	.19	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	-.27	-.27	0	%100
2	M1	Z	.469	.469	0	%100
3	M2	X	-.27	-.27	0	%100
4	M2	Z	.469	.469	0	%100
5	M3	X	0	0	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	-.472	-.472	0	%100
8	M8	Z	.818	.818	0	%100
9	M9	X	-.472	-.472	0	%100
10	M9	Z	.818	.818	0	%100
11	M10	X	-.472	-.472	0	%100
12	M10	Z	.818	.818	0	%100
13	M11	X	-.472	-.472	0	%100
14	M11	Z	.818	.818	0	%100
15	M12	X	-.072	-.072	0	%100
16	M12	Z	.125	.125	0	%100
17	M13	X	-.618	-.618	0	%100
18	M13	Z	1.071	1.071	0	%100
19	M18	X	-.472	-.472	0	%100
20	M18	Z	.818	.818	0	%100
21	M19	X	-.472	-.472	0	%100
22	M19	Z	.818	.818	0	%100
23	M20	X	-.472	-.472	0	%100
24	M20	Z	.818	.818	0	%100
25	M21	X	-.472	-.472	0	%100
26	M21	Z	.818	.818	0	%100
27	M22	X	-.6	-.6	0	%100
28	M22	Z	1.039	1.039	0	%100
29	M23	X	-.155	-.155	0	%100
30	M23	Z	.268	.268	0	%100
31	M28	X	0	0	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	0	0	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	0	0	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	0	0	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-.255	-.255	0	%100
40	M32	Z	.442	.442	0	%100
41	M33	X	-.155	-.155	0	%100
42	M33	Z	.268	.268	0	%100
43	M34	X	-.464	-.464	0	%100
44	M34	Z	.803	.803	0	%100
45	M35	X	0	0	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	-.464	-.464	0	%100
48	M36	Z	.803	.803	0	%100
49	M41	X	-.091	-.091	0	%100
50	M41	Z	.157	.157	0	%100
51	M39A	X	-.229	-.229	0	%100
52	M39A	Z	.396	.396	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,%]
53	M41A	X	-.229	-.229	0	%100
54	M41A	Z	.397	.397	0	%100
55	M48	X	-.235	-.235	0	%100
56	M48	Z	.407	.407	0	%100
57	M49	X	-.00041	-.00041	0	%100
58	M49	Z	.000709	.000709	0	%100
59	M52	X	-.472	-.472	0	%100
60	M52	Z	.818	.818	0	%100
61	M53	X	-.472	-.472	0	%100
62	M53	Z	.818	.818	0	%100
63	M54	X	-.6	-.6	0	%100
64	M54	Z	1.039	1.039	0	%100
65	M57	X	-.472	-.472	0	%100
66	M57	Z	.818	.818	0	%100
67	M58	X	-.472	-.472	0	%100
68	M58	Z	.818	.818	0	%100
69	M59	X	-.618	-.618	0	%100
70	M59	Z	1.071	1.071	0	%100
71	M60	X	0	0	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-.362	-.362	0	%100
74	M61	Z	.627	.627	0	%100
75	M63	X	0	0	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	0	0	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	-.249	-.249	0	%100
80	M72	Z	.432	.432	0	%100
81	M73	X	-.252	-.252	0	%100
82	M73	Z	.436	.436	0	%100
83	M76	X	0	0	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	0	0	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-.255	-.255	0	%100
88	M78	Z	.442	.442	0	%100
89	M81	X	-.472	-.472	0	%100
90	M81	Z	.818	.818	0	%100
91	M82	X	-.472	-.472	0	%100
92	M82	Z	.818	.818	0	%100
93	M83	X	-.155	-.155	0	%100
94	M83	Z	.268	.268	0	%100
95	M84	X	-.464	-.464	0	%100
96	M84	Z	.803	.803	0	%100
97	M85	X	-.091	-.091	0	%100
98	M85	Z	.157	.157	0	%100
99	M87	X	-.229	-.229	0	%100
100	M87	Z	.397	.397	0	%100
101	M89	X	-.23	-.23	0	%100
102	M89	Z	.398	.398	0	%100
103	M96	X	-.000223	-.000223	0	%100
104	M96	Z	.000386	.000386	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,%]
105	M97	X	-.232	-.232	0	%100
106	M97	Z	.401	.401	0	%100
107	MP1A	X	-.245	-.245	0	%100
108	MP1A	Z	.424	.424	0	%100
109	MP2A	X	-.296	-.296	0	%100
110	MP2A	Z	.513	.513	0	%100
111	MP3A	X	-.245	-.245	0	%100
112	MP3A	Z	.424	.424	0	%100
113	MP4A	X	-.245	-.245	0	%100
114	MP4A	Z	.424	.424	0	%100
115	MP1C	X	-.245	-.245	0	%100
116	MP1C	Z	.424	.424	0	%100
117	MP2C	X	-.296	-.296	0	%100
118	MP2C	Z	.513	.513	0	%100
119	MP3C	X	-.245	-.245	0	%100
120	MP3C	Z	.424	.424	0	%100
121	MP4C	X	-.245	-.245	0	%100
122	MP4C	Z	.424	.424	0	%100
123	MP1B	X	-.245	-.245	0	%100
124	MP1B	Z	.424	.424	0	%100
125	MP2B	X	-.296	-.296	0	%100
126	MP2B	Z	.513	.513	0	%100
127	MP3B	X	-.245	-.245	0	%100
128	MP3B	Z	.424	.424	0	%100
129	MP4B	X	-.245	-.245	0	%100
130	MP4B	Z	.424	.424	0	%100
131	M122	X	-.2	-.2	0	%100
132	M122	Z	.347	.347	0	%100
133	M124	X	-.222	-.222	0	%100
134	M124	Z	.385	.385	0	%100
135	M131	X	-.222	-.222	0	%100
136	M131	Z	.385	.385	0	%100
137	M138	X	0	0	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-.285	-.285	0	%100
140	M145	Z	.494	.494	0	%100
141	M146	X	-.285	-.285	0	%100
142	M146	Z	.494	.494	0	%100
143	M147	X	0	0	0	%100
144	M147	Z	0	0	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	-.156	-.156	0	%100
2	M1	Z	.09	.09	0	%100
3	M2	X	-.625	-.625	0	%100
4	M2	Z	.361	.361	0	%100
5	M3	X	-.156	-.156	0	%100
6	M3	Z	.09	.09	0	%100
7	M8	X	-.273	-.273	0	%100
8	M8	Z	.157	.157	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,%]
9	M9	X	-.273	-.273	0	%100
10	M9	Z	.157	.157	0	%100
11	M10	X	-.273	-.273	0	%100
12	M10	Z	.157	.157	0	%100
13	M11	X	-.273	-.273	0	%100
14	M11	Z	.157	.157	0	%100
15	M12	X	-.032	-.032	0	%100
16	M12	Z	.019	.019	0	%100
17	M13	X	-.803	-.803	0	%100
18	M13	Z	.464	.464	0	%100
19	M18	X	-1.091	-1.091	0	%100
20	M18	Z	.63	.63	0	%100
21	M19	X	-1.091	-1.091	0	%100
22	M19	Z	.63	.63	0	%100
23	M20	X	-1.091	-1.091	0	%100
24	M20	Z	.63	.63	0	%100
25	M21	X	-1.091	-1.091	0	%100
26	M21	Z	.63	.63	0	%100
27	M22	X	-.628	-.628	0	%100
28	M22	Z	.363	.363	0	%100
29	M23	X	-.803	-.803	0	%100
30	M23	Z	.464	.464	0	%100
31	M28	X	-.273	-.273	0	%100
32	M28	Z	.157	.157	0	%100
33	M29	X	-.273	-.273	0	%100
34	M29	Z	.157	.157	0	%100
35	M30	X	-.273	-.273	0	%100
36	M30	Z	.157	.157	0	%100
37	M31	X	-.273	-.273	0	%100
38	M31	Z	.157	.157	0	%100
39	M32	X	-.946	-.946	0	%100
40	M32	Z	.546	.546	0	%100
41	M33	X	0	0	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-1.071	-1.071	0	%100
44	M34	Z	.618	.618	0	%100
45	M35	X	-.268	-.268	0	%100
46	M35	Z	.155	.155	0	%100
47	M36	X	-.268	-.268	0	%100
48	M36	Z	.155	.155	0	%100
49	M41	X	0	0	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-.529	-.529	0	%100
52	M39A	Z	.305	.305	0	%100
53	M41A	X	-.53	-.53	0	%100
54	M41A	Z	.306	.306	0	%100
55	M48	X	-.127	-.127	0	%100
56	M48	Z	.074	.074	0	%100
57	M49	X	-.123	-.123	0	%100
58	M49	Z	.071	.071	0	%100
59	M52	X	-1.091	-1.091	0	%100
60	M52	Z	.63	.63	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,%]
61	M53	X	-1.091	-1.091	0	%100
62	M53	Z	.63	.63	0	%100
63	M54	X	-.628	-.628	0	%100
64	M54	Z	.363	.363	0	%100
65	M57	X	-.273	-.273	0	%100
66	M57	Z	.157	.157	0	%100
67	M58	X	-.273	-.273	0	%100
68	M58	Z	.157	.157	0	%100
69	M59	X	-.803	-.803	0	%100
70	M59	Z	.464	.464	0	%100
71	M60	X	-.268	-.268	0	%100
72	M60	Z	.155	.155	0	%100
73	M61	X	-.47	-.47	0	%100
74	M61	Z	.272	.272	0	%100
75	M63	X	-.132	-.132	0	%100
76	M63	Z	.076	.076	0	%100
77	M65	X	-.132	-.132	0	%100
78	M65	Z	.076	.076	0	%100
79	M72	X	-.559	-.559	0	%100
80	M72	Z	.323	.323	0	%100
81	M73	X	-.157	-.157	0	%100
82	M73	Z	.091	.091	0	%100
83	M76	X	-.273	-.273	0	%100
84	M76	Z	.157	.157	0	%100
85	M77	X	-.273	-.273	0	%100
86	M77	Z	.157	.157	0	%100
87	M78	X	-.946	-.946	0	%100
88	M78	Z	.546	.546	0	%100
89	M81	X	-1.091	-1.091	0	%100
90	M81	Z	.63	.63	0	%100
91	M82	X	-1.091	-1.091	0	%100
92	M82	Z	.63	.63	0	%100
93	M83	X	-.803	-.803	0	%100
94	M83	Z	.464	.464	0	%100
95	M84	X	-.268	-.268	0	%100
96	M84	Z	.155	.155	0	%100
97	M85	X	-.47	-.47	0	%100
98	M85	Z	.272	.272	0	%100
99	M87	X	-.133	-.133	0	%100
100	M87	Z	.077	.077	0	%100
101	M89	X	-.133	-.133	0	%100
102	M89	Z	.077	.077	0	%100
103	M96	X	-.153	-.153	0	%100
104	M96	Z	.088	.088	0	%100
105	M97	X	-.558	-.558	0	%100
106	M97	Z	.322	.322	0	%100
107	MP1A	X	-.424	-.424	0	%100
108	MP1A	Z	.245	.245	0	%100
109	MP2A	X	-.513	-.513	0	%100
110	MP2A	Z	.296	.296	0	%100
111	MP3A	X	-.424	-.424	0	%100
112	MP3A	Z	.245	.245	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,%]
113	MP4A	X	-.424	-.424	0	%100
114	MP4A	Z	.245	.245	0	%100
115	MP1C	X	-.424	-.424	0	%100
116	MP1C	Z	.245	.245	0	%100
117	MP2C	X	-.513	-.513	0	%100
118	MP2C	Z	.296	.296	0	%100
119	MP3C	X	-.424	-.424	0	%100
120	MP3C	Z	.245	.245	0	%100
121	MP4C	X	-.424	-.424	0	%100
122	MP4C	Z	.245	.245	0	%100
123	MP1B	X	-.424	-.424	0	%100
124	MP1B	Z	.245	.245	0	%100
125	MP2B	X	-.513	-.513	0	%100
126	MP2B	Z	.296	.296	0	%100
127	MP3B	X	-.424	-.424	0	%100
128	MP3B	Z	.245	.245	0	%100
129	MP4B	X	-.424	-.424	0	%100
130	MP4B	Z	.245	.245	0	%100
131	M122	X	-.347	-.347	0	%100
132	M122	Z	.2	.2	0	%100
133	M124	X	-.128	-.128	0	%100
134	M124	Z	.074	.074	0	%100
135	M131	X	-.513	-.513	0	%100
136	M131	Z	.296	.296	0	%100
137	M138	X	-.128	-.128	0	%100
138	M138	Z	.074	.074	0	%100
139	M145	X	-.659	-.659	0	%100
140	M145	Z	.381	.381	0	%100
141	M146	X	-.165	-.165	0	%100
142	M146	Z	.095	.095	0	%100
143	M147	X	-.165	-.165	0	%100
144	M147	Z	.095	.095	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	-.541	-.541	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.541	-.541	0	%100
6	M3	Z	0	0	0	%100
7	M8	X	0	0	0	%100
8	M8	Z	0	0	0	%100
9	M9	X	0	0	0	%100
10	M9	Z	0	0	0	%100
11	M10	X	0	0	0	%100
12	M10	Z	0	0	0	%100
13	M11	X	0	0	0	%100
14	M11	Z	0	0	0	%100
15	M12	X	-.511	-.511	0	%100
16	M12	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,%]
17	M13	X	-.309	-.309	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-.945	-.945	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	-.945	-.945	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	-.945	-.945	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	-.945	-.945	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.145	-.145	0	%100
28	M22	Z	0	0	0	%100
29	M23	X	-1.237	-1.237	0	%100
30	M23	Z	0	0	0	%100
31	M28	X	-.945	-.945	0	%100
32	M28	Z	0	0	0	%100
33	M29	X	-.945	-.945	0	%100
34	M29	Z	0	0	0	%100
35	M30	X	-.945	-.945	0	%100
36	M30	Z	0	0	0	%100
37	M31	X	-.945	-.945	0	%100
38	M31	Z	0	0	0	%100
39	M32	X	-1.199	-1.199	0	%100
40	M32	Z	0	0	0	%100
41	M33	X	-.309	-.309	0	%100
42	M33	Z	0	0	0	%100
43	M34	X	-.927	-.927	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.927	-.927	0	%100
46	M35	Z	0	0	0	%100
47	M36	X	0	0	0	%100
48	M36	Z	0	0	0	%100
49	M41	X	-.181	-.181	0	%100
50	M41	Z	0	0	0	%100
51	M39A	X	-.458	-.458	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	-.46	-.46	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	-.000446	-.000446	0	%100
56	M48	Z	0	0	0	%100
57	M49	X	-.463	-.463	0	%100
58	M49	Z	0	0	0	%100
59	M52	X	-.945	-.945	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	-.945	-.945	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-.145	-.145	0	%100
64	M54	Z	0	0	0	%100
65	M57	X	0	0	0	%100
66	M57	Z	0	0	0	%100
67	M58	X	0	0	0	%100
68	M58	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,%]
69	M59	X	-.309	-.309	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-.927	-.927	0	%100
72	M60	Z	0	0	0	%100
73	M61	X	-.181	-.181	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-.458	-.458	0	%100
76	M63	Z	0	0	0	%100
77	M65	X	-.459	-.459	0	%100
78	M65	Z	0	0	0	%100
79	M72	X	-.47	-.47	0	%100
80	M72	Z	0	0	0	%100
81	M73	X	-.000819	-.000819	0	%100
82	M73	Z	0	0	0	%100
83	M76	X	-.945	-.945	0	%100
84	M76	Z	0	0	0	%100
85	M77	X	-.945	-.945	0	%100
86	M77	Z	0	0	0	%100
87	M78	X	-1.199	-1.199	0	%100
88	M78	Z	0	0	0	%100
89	M81	X	-.945	-.945	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	-.945	-.945	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-1.237	-1.237	0	%100
94	M83	Z	0	0	0	%100
95	M84	X	0	0	0	%100
96	M84	Z	0	0	0	%100
97	M85	X	-.724	-.724	0	%100
98	M85	Z	0	0	0	%100
99	M87	X	0	0	0	%100
100	M87	Z	0	0	0	%100
101	M89	X	0	0	0	%100
102	M89	Z	0	0	0	%100
103	M96	X	-.499	-.499	0	%100
104	M96	Z	0	0	0	%100
105	M97	X	-.503	-.503	0	%100
106	M97	Z	0	0	0	%100
107	MP1A	X	-.489	-.489	0	%100
108	MP1A	Z	0	0	0	%100
109	MP2A	X	-.593	-.593	0	%100
110	MP2A	Z	0	0	0	%100
111	MP3A	X	-.489	-.489	0	%100
112	MP3A	Z	0	0	0	%100
113	MP4A	X	-.489	-.489	0	%100
114	MP4A	Z	0	0	0	%100
115	MP1C	X	-.489	-.489	0	%100
116	MP1C	Z	0	0	0	%100
117	MP2C	X	-.593	-.593	0	%100
118	MP2C	Z	0	0	0	%100
119	MP3C	X	-.489	-.489	0	%100
120	MP3C	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,%]
121	MP4C	X	-.489	-.489	0	%100
122	MP4C	Z	0	0	0	%100
123	MP1B	X	-.489	-.489	0	%100
124	MP1B	Z	0	0	0	%100
125	MP2B	X	-.593	-.593	0	%100
126	MP2B	Z	0	0	0	%100
127	MP3B	X	-.489	-.489	0	%100
128	MP3B	Z	0	0	0	%100
129	MP4B	X	-.489	-.489	0	%100
130	MP4B	Z	0	0	0	%100
131	M122	X	-.4	-.4	0	%100
132	M122	Z	0	0	0	%100
133	M124	X	0	0	0	%100
134	M124	Z	0	0	0	%100
135	M131	X	-.444	-.444	0	%100
136	M131	Z	0	0	0	%100
137	M138	X	-.444	-.444	0	%100
138	M138	Z	0	0	0	%100
139	M145	X	-.571	-.571	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	0	0	0	%100
142	M146	Z	0	0	0	%100
143	M147	X	-.571	-.571	0	%100
144	M147	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	-.156	-.156	0	%100
2	M1	Z	-.09	-.09	0	%100
3	M2	X	-.156	-.156	0	%100
4	M2	Z	-.09	-.09	0	%100
5	M3	X	-.625	-.625	0	%100
6	M3	Z	-.361	-.361	0	%100
7	M8	X	-.273	-.273	0	%100
8	M8	Z	-.157	-.157	0	%100
9	M9	X	-.273	-.273	0	%100
10	M9	Z	-.157	-.157	0	%100
11	M10	X	-.273	-.273	0	%100
12	M10	Z	-.157	-.157	0	%100
13	M11	X	-.273	-.273	0	%100
14	M11	Z	-.157	-.157	0	%100
15	M12	X	-.946	-.946	0	%100
16	M12	Z	-.546	-.546	0	%100
17	M13	X	0	0	0	%100
18	M13	Z	0	0	0	%100
19	M18	X	-.273	-.273	0	%100
20	M18	Z	-.157	-.157	0	%100
21	M19	X	-.273	-.273	0	%100
22	M19	Z	-.157	-.157	0	%100
23	M20	X	-.273	-.273	0	%100
24	M20	Z	-.157	-.157	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,%]
25	M21	X	-.273	-.273	0	%100
26	M21	Z	-.157	-.157	0	%100
27	M22	X	-.032	-.032	0	%100
28	M22	Z	-.019	-.019	0	%100
29	M23	X	-.803	-.803	0	%100
30	M23	Z	-.464	-.464	0	%100
31	M28	X	-1.091	-1.091	0	%100
32	M28	Z	-.63	-.63	0	%100
33	M29	X	-1.091	-1.091	0	%100
34	M29	Z	-.63	-.63	0	%100
35	M30	X	-1.091	-1.091	0	%100
36	M30	Z	-.63	-.63	0	%100
37	M31	X	-1.091	-1.091	0	%100
38	M31	Z	-.63	-.63	0	%100
39	M32	X	-.628	-.628	0	%100
40	M32	Z	-.363	-.363	0	%100
41	M33	X	-.803	-.803	0	%100
42	M33	Z	-.464	-.464	0	%100
43	M34	X	-.268	-.268	0	%100
44	M34	Z	-.155	-.155	0	%100
45	M35	X	-1.071	-1.071	0	%100
46	M35	Z	-.618	-.618	0	%100
47	M36	X	-.268	-.268	0	%100
48	M36	Z	-.155	-.155	0	%100
49	M41	X	-.47	-.47	0	%100
50	M41	Z	-.272	-.272	0	%100
51	M39A	X	-.133	-.133	0	%100
52	M39A	Z	-.077	-.077	0	%100
53	M41A	X	-.133	-.133	0	%100
54	M41A	Z	-.077	-.077	0	%100
55	M48	X	-.153	-.153	0	%100
56	M48	Z	-.088	-.088	0	%100
57	M49	X	-.558	-.558	0	%100
58	M49	Z	-.322	-.322	0	%100
59	M52	X	-.273	-.273	0	%100
60	M52	Z	-.157	-.157	0	%100
61	M53	X	-.273	-.273	0	%100
62	M53	Z	-.157	-.157	0	%100
63	M54	X	-.032	-.032	0	%100
64	M54	Z	-.019	-.019	0	%100
65	M57	X	-.273	-.273	0	%100
66	M57	Z	-.157	-.157	0	%100
67	M58	X	-.273	-.273	0	%100
68	M58	Z	-.157	-.157	0	%100
69	M59	X	0	0	0	%100
70	M59	Z	0	0	0	%100
71	M60	X	-1.071	-1.071	0	%100
72	M60	Z	-.618	-.618	0	%100
73	M61	X	0	0	0	%100
74	M61	Z	0	0	0	%100
75	M63	X	-.529	-.529	0	%100
76	M63	Z	-.305	-.305	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,%]
77	M65	X	-.53	-.53	0	%100
78	M65	Z	-.306	-.306	0	%100
79	M72	X	-.127	-.127	0	%100
80	M72	Z	-.074	-.074	0	%100
81	M73	X	-.123	-.123	0	%100
82	M73	Z	-.071	-.071	0	%100
83	M76	X	-1.091	-1.091	0	%100
84	M76	Z	-.63	-.63	0	%100
85	M77	X	-1.091	-1.091	0	%100
86	M77	Z	-.63	-.63	0	%100
87	M78	X	-.628	-.628	0	%100
88	M78	Z	-.363	-.363	0	%100
89	M81	X	-.273	-.273	0	%100
90	M81	Z	-.157	-.157	0	%100
91	M82	X	-.273	-.273	0	%100
92	M82	Z	-.157	-.157	0	%100
93	M83	X	-.803	-.803	0	%100
94	M83	Z	-.464	-.464	0	%100
95	M84	X	-.268	-.268	0	%100
96	M84	Z	-.155	-.155	0	%100
97	M85	X	-.47	-.47	0	%100
98	M85	Z	-.272	-.272	0	%100
99	M87	X	-.132	-.132	0	%100
100	M87	Z	-.076	-.076	0	%100
101	M89	X	-.132	-.132	0	%100
102	M89	Z	-.076	-.076	0	%100
103	M96	X	-.559	-.559	0	%100
104	M96	Z	-.323	-.323	0	%100
105	M97	X	-.157	-.157	0	%100
106	M97	Z	-.091	-.091	0	%100
107	MP1A	X	-.424	-.424	0	%100
108	MP1A	Z	-.245	-.245	0	%100
109	MP2A	X	-.513	-.513	0	%100
110	MP2A	Z	-.296	-.296	0	%100
111	MP3A	X	-.424	-.424	0	%100
112	MP3A	Z	-.245	-.245	0	%100
113	MP4A	X	-.424	-.424	0	%100
114	MP4A	Z	-.245	-.245	0	%100
115	MP1C	X	-.424	-.424	0	%100
116	MP1C	Z	-.245	-.245	0	%100
117	MP2C	X	-.513	-.513	0	%100
118	MP2C	Z	-.296	-.296	0	%100
119	MP3C	X	-.424	-.424	0	%100
120	MP3C	Z	-.245	-.245	0	%100
121	MP4C	X	-.424	-.424	0	%100
122	MP4C	Z	-.245	-.245	0	%100
123	MP1B	X	-.424	-.424	0	%100
124	MP1B	Z	-.245	-.245	0	%100
125	MP2B	X	-.513	-.513	0	%100
126	MP2B	Z	-.296	-.296	0	%100
127	MP3B	X	-.424	-.424	0	%100
128	MP3B	Z	-.245	-.245	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,%]
129	MP4B	X	-.424	-.424	0	%100
130	MP4B	Z	-.245	-.245	0	%100
131	M122	X	-.347	-.347	0	%100
132	M122	Z	-.2	-.2	0	%100
133	M124	X	-.128	-.128	0	%100
134	M124	Z	-.074	-.074	0	%100
135	M131	X	-.128	-.128	0	%100
136	M131	Z	-.074	-.074	0	%100
137	M138	X	-.513	-.513	0	%100
138	M138	Z	-.296	-.296	0	%100
139	M145	X	-.165	-.165	0	%100
140	M145	Z	-.095	-.095	0	%100
141	M146	X	-.165	-.165	0	%100
142	M146	Z	-.095	-.095	0	%100
143	M147	X	-.659	-.659	0	%100
144	M147	Z	-.381	-.381	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	-.27	-.27	0	%100
2	M1	Z	-.469	-.469	0	%100
3	M2	X	0	0	0	%100
4	M2	Z	0	0	0	%100
5	M3	X	-.27	-.27	0	%100
6	M3	Z	-.469	-.469	0	%100
7	M8	X	-.472	-.472	0	%100
8	M8	Z	-.818	-.818	0	%100
9	M9	X	-.472	-.472	0	%100
10	M9	Z	-.818	-.818	0	%100
11	M10	X	-.472	-.472	0	%100
12	M10	Z	-.818	-.818	0	%100
13	M11	X	-.472	-.472	0	%100
14	M11	Z	-.818	-.818	0	%100
15	M12	X	-.6	-.6	0	%100
16	M12	Z	-1.039	-1.039	0	%100
17	M13	X	-.155	-.155	0	%100
18	M13	Z	-.268	-.268	0	%100
19	M18	X	0	0	0	%100
20	M18	Z	0	0	0	%100
21	M19	X	0	0	0	%100
22	M19	Z	0	0	0	%100
23	M20	X	0	0	0	%100
24	M20	Z	0	0	0	%100
25	M21	X	0	0	0	%100
26	M21	Z	0	0	0	%100
27	M22	X	-.255	-.255	0	%100
28	M22	Z	-.442	-.442	0	%100
29	M23	X	-.155	-.155	0	%100
30	M23	Z	-.268	-.268	0	%100
31	M28	X	-.472	-.472	0	%100
32	M28	Z	-.818	-.818	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,%]
33	M29	X	-.472	-.472	0	%100
34	M29	Z	-.818	-.818	0	%100
35	M30	X	-.472	-.472	0	%100
36	M30	Z	-.818	-.818	0	%100
37	M31	X	-.472	-.472	0	%100
38	M31	Z	-.818	-.818	0	%100
39	M32	X	-.072	-.072	0	%100
40	M32	Z	-.125	-.125	0	%100
41	M33	X	-.618	-.618	0	%100
42	M33	Z	-1.071	-1.071	0	%100
43	M34	X	0	0	0	%100
44	M34	Z	0	0	0	%100
45	M35	X	-.464	-.464	0	%100
46	M35	Z	-.803	-.803	0	%100
47	M36	X	-.464	-.464	0	%100
48	M36	Z	-.803	-.803	0	%100
49	M41	X	-.362	-.362	0	%100
50	M41	Z	-.627	-.627	0	%100
51	M39A	X	0	0	0	%100
52	M39A	Z	0	0	0	%100
53	M41A	X	0	0	0	%100
54	M41A	Z	0	0	0	%100
55	M48	X	-.249	-.249	0	%100
56	M48	Z	-.432	-.432	0	%100
57	M49	X	-.252	-.252	0	%100
58	M49	Z	-.436	-.436	0	%100
59	M52	X	0	0	0	%100
60	M52	Z	0	0	0	%100
61	M53	X	0	0	0	%100
62	M53	Z	0	0	0	%100
63	M54	X	-.255	-.255	0	%100
64	M54	Z	-.442	-.442	0	%100
65	M57	X	-.472	-.472	0	%100
66	M57	Z	-.818	-.818	0	%100
67	M58	X	-.472	-.472	0	%100
68	M58	Z	-.818	-.818	0	%100
69	M59	X	-.155	-.155	0	%100
70	M59	Z	-.268	-.268	0	%100
71	M60	X	-.464	-.464	0	%100
72	M60	Z	-.803	-.803	0	%100
73	M61	X	-.091	-.091	0	%100
74	M61	Z	-.157	-.157	0	%100
75	M63	X	-.229	-.229	0	%100
76	M63	Z	-.397	-.397	0	%100
77	M65	X	-.23	-.23	0	%100
78	M65	Z	-.398	-.398	0	%100
79	M72	X	-.000223	-.000223	0	%100
80	M72	Z	-.000386	-.000386	0	%100
81	M73	X	-.232	-.232	0	%100
82	M73	Z	-.401	-.401	0	%100
83	M76	X	-.472	-.472	0	%100
84	M76	Z	-.818	-.818	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,%]
85	M77	X	-.472	-.472	0	%100
86	M77	Z	-.818	-.818	0	%100
87	M78	X	-.072	-.072	0	%100
88	M78	Z	-.125	-.125	0	%100
89	M81	X	0	0	0	%100
90	M81	Z	0	0	0	%100
91	M82	X	0	0	0	%100
92	M82	Z	0	0	0	%100
93	M83	X	-.155	-.155	0	%100
94	M83	Z	-.268	-.268	0	%100
95	M84	X	-.464	-.464	0	%100
96	M84	Z	-.803	-.803	0	%100
97	M85	X	-.091	-.091	0	%100
98	M85	Z	-.157	-.157	0	%100
99	M87	X	-.229	-.229	0	%100
100	M87	Z	-.396	-.396	0	%100
101	M89	X	-.229	-.229	0	%100
102	M89	Z	-.397	-.397	0	%100
103	M96	X	-.235	-.235	0	%100
104	M96	Z	-.407	-.407	0	%100
105	M97	X	-.00041	-.00041	0	%100
106	M97	Z	-.000709	-.000709	0	%100
107	MP1A	X	-.245	-.245	0	%100
108	MP1A	Z	-.424	-.424	0	%100
109	MP2A	X	-.296	-.296	0	%100
110	MP2A	Z	-.513	-.513	0	%100
111	MP3A	X	-.245	-.245	0	%100
112	MP3A	Z	-.424	-.424	0	%100
113	MP4A	X	-.245	-.245	0	%100
114	MP4A	Z	-.424	-.424	0	%100
115	MP1C	X	-.245	-.245	0	%100
116	MP1C	Z	-.424	-.424	0	%100
117	MP2C	X	-.296	-.296	0	%100
118	MP2C	Z	-.513	-.513	0	%100
119	MP3C	X	-.245	-.245	0	%100
120	MP3C	Z	-.424	-.424	0	%100
121	MP4C	X	-.245	-.245	0	%100
122	MP4C	Z	-.424	-.424	0	%100
123	MP1B	X	-.245	-.245	0	%100
124	MP1B	Z	-.424	-.424	0	%100
125	MP2B	X	-.296	-.296	0	%100
126	MP2B	Z	-.513	-.513	0	%100
127	MP3B	X	-.245	-.245	0	%100
128	MP3B	Z	-.424	-.424	0	%100
129	MP4B	X	-.245	-.245	0	%100
130	MP4B	Z	-.424	-.424	0	%100
131	M122	X	-.2	-.2	0	%100
132	M122	Z	-.347	-.347	0	%100
133	M124	X	-.222	-.222	0	%100
134	M124	Z	-.385	-.385	0	%100
135	M131	X	0	0	0	%100
136	M131	Z	0	0	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,%]
137	M138	X	-.222	-.222	0	%100
138	M138	Z	-.385	-.385	0	%100
139	M145	X	0	0	0	%100
140	M145	Z	0	0	0	%100
141	M146	X	-.285	-.285	0	%100
142	M146	Z	-.494	-.494	0	%100
143	M147	X	-.285	-.285	0	%100
144	M147	Z	-.494	-.494	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M48	Y	-3.399	-6.081	0	.714
2	M48	Y	-6.081	-6.947	.714	1.428
3	M48	Y	-6.947	-5.712	1.428	2.141
4	M48	Y	-5.712	-4.092	2.141	2.855
5	M48	Y	-4.092	-2.371	2.855	3.569
6	M49	Y	-1.777	-6.9	0	.889
7	M49	Y	-6.9	-8.071	.889	1.778
8	M49	Y	-8.071	-4.673	1.778	2.666
9	M49	Y	-4.673	-.659	2.666	3.555
10	M72	Y	-3.399	-6.081	0	.714
11	M72	Y	-6.081	-6.947	.714	1.428
12	M72	Y	-6.947	-5.712	1.428	2.141
13	M72	Y	-5.712	-4.092	2.141	2.855
14	M72	Y	-4.092	-2.371	2.855	3.569
15	M73	Y	-1.777	-6.9	0	.889
16	M73	Y	-6.9	-8.071	.889	1.778
17	M73	Y	-8.071	-4.673	1.778	2.666
18	M73	Y	-4.673	-.659	2.666	3.555
19	M96	Y	-1.775	-6.873	0	.892
20	M96	Y	-6.873	-8.041	.892	1.785
21	M96	Y	-8.041	-4.657	1.785	2.677
22	M96	Y	-4.657	-.652	2.677	3.569
23	M97	Y	-3.404	-6.098	0	.711
24	M97	Y	-6.098	-6.977	.711	1.422
25	M97	Y	-6.977	-5.737	1.422	2.133
26	M97	Y	-5.737	-4.105	2.133	2.844
27	M97	Y	-4.105	-2.385	2.844	3.555

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M48	Y	-7.342	-13.135	0	.714
2	M48	Y	-13.135	-15.006	.714	1.428
3	M48	Y	-15.006	-12.338	1.428	2.141
4	M48	Y	-12.338	-8.838	2.141	2.855
5	M48	Y	-8.838	-5.121	2.855	3.569
6	M49	Y	-3.839	-14.903	0	.889
7	M49	Y	-14.903	-17.432	.889	1.778
8	M49	Y	-17.432	-10.094	1.778	2.666
9	M49	Y	-10.094	-1.424	2.666	3.555
10	M96	Y	-3.835	-14.846	0	.892

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M96	Y	-14.846	-17.369	.892	1.785
12	M96	Y	-17.369	-10.06	1.785	2.677
13	M96	Y	-10.06	-1.408	2.677	3.569
14	M97	Y	-7.353	-13.171	0	.711
15	M97	Y	-13.171	-15.069	.711	1.422
16	M97	Y	-15.069	-12.391	1.422	2.133
17	M97	Y	-12.391	-8.866	2.133	2.844
18	M97	Y	-8.866	-5.152	2.844	3.555
19	M72	Y	-7.34	-13.128	0	.714
20	M72	Y	-13.128	-15.015	.714	1.428
21	M72	Y	-15.015	-12.343	1.428	2.141
22	M72	Y	-12.343	-8.829	2.141	2.855
23	M72	Y	-8.829	-5.127	2.855	3.569
24	M73	Y	-3.837	-14.897	0	.889
25	M73	Y	-14.897	-17.434	.889	1.778
26	M73	Y	-17.434	-10.101	1.778	2.666
27	M73	Y	-10.101	-1.419	2.666	3.555

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N68	N67	N66	N65	Y	Two Way	-.005
2	N95	N94	N97	N96	Y	Two Way	-.005
3	N123	N126	N125	N124	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N68	N67	N66	N65	Y	Two Way	-.011
2	N123	N126	N125	N124	Y	Two Way	-.011
3	N97	N94	N95	N96	Y	Two Way	-.011

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	N60	max	1167.761	9	2108.73	21	818.059	1	-.12	3	.781	12	.026	3
2		min	-1254.018	3	335.819	3	-771.263	7	-2.371	21	-.781	6	-3.895	21
3	N58	max	800.765	10	2402.52	13	1868.802	1	4.823	13	.993	4	0	2
4		min	-801.854	4	438.517	7	-1968.352	7	-.001	7	-.983	10	-.165	20
5	N62	max	1608.756	11	2252.351	17	936.902	12	.055	11	.895	8	4.29	29
6		min	-1520.824	5	379.875	11	-882.211	6	-2.72	29	-.894	2	.098	11
7	Totals:	max	3492.049	10	6295.698	16	3560.567	1						
8		min	-3492.048	4	3125.649	11	-3560.567	7						

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M1	PIPE_3.0	.143	8.971	18	.088	8.971		6	25475.856	65205	5.749	5.749	2....	H1-1b
2	M2	PIPE_3.0	.143	8.971	14	.087	4.141		4	25475.856	65205	5.749	5.749	2....	H1-1b
3	M3	PIPE_3.0	.125	7.039	7	.089	4.141		12	25475.856	65205	5.749	5.749	2....	H1-1b
4	M8	PL1/2X6	.101	0	9	.116	0	y	5	96222.477	97200	1.012	12.15	1....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
5	M9	PL1/2X6	.066	0	5	.100	.167	y	27	96222.477	97200	1.012	12.15	1....	H1-1b
6	M10	PL3/8x6	.131	0	11	.261	.167	y	17	71601.728	72900	.57	9.113	1....	H1-1b
7	M11	PL3/8x6	.189	0	3	.542	.167	y	20	71601.728	72900	.57	9.113	1....	H1-1b
8	M12	PL3/8x6	.220	.25	12	.246	.25	y	19	70011.354	72900	.57	9.113	1....	H1-1b
9	M13	PL3/8x6	.145	.25	3	.276	.25	y	18	70011.354	72900	.57	9.113	1....	H1-1b
10	M18	PL1/2X6	.067	0	5	.059	0	y	1	96222.477	97200	1.012	12.15	1....	H1-1b
11	M19	PL1/2X6	.064	0	1	.038	.167	y	11	96222.477	97200	1.012	12.15	1....	H1-1b
12	M20	PL3/8x6	.124	0	7	.256	.167	y	13	71601.728	72900	.57	9.113	1....	H1-1b
13	M21	PL3/8x6	.116	0	11	.285	.167	y	16	71601.728	72900	.57	9.113	1....	H1-1b
14	M22	PL3/8x6	.135	.25	7	.191	.25	y	14	70011.354	72900	.57	9.113	1....	H1-1b
15	M23	PL3/8x6	.122	.25	11	.272	.25	y	13	70011.354	72900	.57	9.113	1....	H1-1b
16	M28	PL1/2X6	.067	0	1	.056	0	y	9	96222.477	97200	1.012	12.15	1....	H1-1b
17	M29	PL1/2X6	.100	0	9	.080	.167	y	7	96222.477	97200	1.012	12.15	1....	H1-1b
18	M30	PL3/8x6	.205	0	3	.493	.167	y	21	71601.728	72900	.57	9.113	1....	H1-1b
19	M31	PL3/8x6	.120	0	7	.290	.167	y	24	71601.728	72900	.57	9.113	1....	H1-1b
20	M32	PL3/8x6	.161	.25	3	.197	.25	y	22	70011.354	72900	.57	9.113	1....	H1-1b
21	M33	PL3/8x6	.206	.25	6	.366	.25	y	22	70011.354	72900	.57	9.113	1....	H1-1b
22	M34	PL1/2X6	.145	.496	5	.119	0	y	6	67934.735	97200	1.012	12.15	1....	H1-1b
23	M35	PL1/2X6	.114	.496	11	.147	.496	y	26	67934.735	97200	1.012	12.15	1....	H1-1b
24	M36	PL1/2X6	.117	.496	2	.094	.992	y	10	67934.735	97200	1.012	12.15	1....	H1-1b
25	M41	HSS4X4X4	.283	0	21	.079	0	y	46	125794.4	139518	16.181	16.181	3....	H1-1b
26	M39A	HSS4X4X4	.137	2	20	.057	2	y	21	137201.8...	139518	16.181	16.181	1....	H1-1b
27	M41A	HSS4X4X4	.129	0	22	.049	0	y	21	137015.9...	139518	16.181	16.181	1....	H1-1b
28	M48	L2x2x3	.078	3.569	7	.012	3.569	y	18	12357.762	23392.8	.558	1.163	1....	H2-1
29	M49	L2x2x3	.080	1.629	15	.011	3.555	z	23	12419.665	23392.8	.558	1.239	2....	H2-1
30	M52	PL1/2X6	.067	0	5	.059	0	y	1	96222.477	97200	1.012	12.15	1....	H1-1b
31	M53	PL3/8x6	.116	0	11	.285	.167	y	16	71601.728	72900	.57	9.113	1....	H1-1b
32	M54	PL3/8x6	.135	.25	7	.191	.25	y	14	70011.354	72900	.57	9.113	1....	H1-1b
33	M57	PL1/2X6	.066	0	5	.100	.167	y	27	96222.477	97200	1.012	12.15	1....	H1-1b
34	M58	PL3/8x6	.131	0	11	.261	.167	y	17	71601.728	72900	.57	9.113	1....	H1-1b
35	M59	PL3/8x6	.145	.25	3	.276	.25	y	18	70011.354	72900	.57	9.113	1....	H1-1b
36	M60	PL1/2X6	.114	.496	11	.147	.496	y	26	67934.735	97200	1.012	12.15	1....	H1-1b
37	M61	HSS4X4X4	.314	0	29	.081	0	y	41	125794.4	139518	16.181	16.181	2....	H1-1b
38	M63	HSS4X4X4	.148	2	16	.055	2	y	17	137201.8...	139518	16.181	16.181	1....	H1-1b
39	M65	HSS4X4X4	.143	0	18	.044	0	y	29	137015.9...	139518	16.181	16.181	1....	H1-1b
40	M72	L2x2x3	.081	3.569	3	.012	3.569	y	13	12357.762	23392.8	.558	1.163	1....	H2-1
41	M73	L2x2x3	.082	2.407	6	.011	3.555	z	19	12419.665	23392.8	.558	1.239	2....	H2-1
42	M76	PL1/2X6	.067	0	1	.056	0	y	9	96222.477	97200	1.012	12.15	1....	H1-1b
43	M77	PL3/8x6	.120	0	7	.290	.167	y	24	71601.728	72900	.57	9.113	1....	H1-1b
44	M78	PL3/8x6	.161	.25	3	.197	.25	y	22	70011.354	72900	.57	9.113	1....	H1-1b
45	M81	PL1/2X6	.064	0	1	.038	.167	y	11	96222.477	97200	1.012	12.15	1....	H1-1b
46	M82	PL3/8x6	.124	0	7	.256	.167	y	13	71601.728	72900	.57	9.113	1....	H1-1b
47	M83	PL3/8x6	.122	.25	11	.272	.25	y	13	70011.354	72900	.57	9.113	1....	H1-1b
48	M84	PL1/2X6	.117	.496	2	.094	0	y	10	67934.735	97200	1.012	12.15	1....	H1-1b
49	M85	HSS4X4X4	.300	0	13	.072	0	y	13	125794.4	139518	16.181	16.181	3....	H1-1b
50	M87	HSS4X4X4	.151	2	24	.056	2	y	13	137201.8...	139518	16.181	16.181	1....	H1-1b
51	M89	HSS4X4X4	.139	0	14	.042	0	y	13	137015.9...	139518	16.181	16.181	1....	H1-1b
52	M96	L2x2x3	.075	3.569	12	.012	3.569	y	22	12357.762	23392.8	.558	1.12	1....	H2-1
53	M97	L2x2x3	.085	2.407	2	.011	3.555	z	15	12419.665	23392.8	.558	1.239	2....	H2-1
54	MP1A	PIPE_2.0	.258	3.313	9	.108	1.125		8	20866.733	32130	1.872	1.872	1....	H1-1b
55	MP2A	PIPE_2.5	.222	4.302	10	.126	4.302		10	33961.614	50715	3.596	3.596	2....	H1-1b
56	MP3A	PIPE_2.0	.254	3.313	5	.109	3.313		7	20866.733	32130	1.872	1.872	1....	H1-1b

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

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
57	MP4A	PIPE_2.0	.174	3.313	6	.086	1.125		7	20866.733	32130	1.872	1.872	1....	H1-1b
58	MP1C	PIPE_2.0	.267	3.313	5	.112	1.125		4	20866.733	32130	1.872	1.872	1....	H1-1b
59	MP2C	PIPE_2.5	.236	4.302	6	.131	4.302		6	33961.614	50715	3.596	3.596	2....	H1-1b
60	MP3C	PIPE_2.0	.264	3.313	1	.115	1.125		3	20866.733	32130	1.872	1.872	1....	H1-1b
61	MP4C	PIPE_2.0	.189	3.313	2	.091	1.125		3	20866.733	32130	1.872	1.872	1....	H1-1b
62	MP1B	PIPE_2.0	.258	3.313	1	.102	1.125		12	20866.733	32130	1.872	1.872	1....	H1-1b
63	MP2B	PIPE_2.5	.229	4.302	2	.126	4.302		2	33961.614	50715	3.596	3.596	2....	H1-1b
64	MP3B	PIPE_2.0	.251	3.313	9	.114	1.125		11	20866.733	32130	1.872	1.872	1....	H1-1b
65	MP4B	PIPE_2.0	.184	3.313	10	.090	1.125		11	20866.733	32130	1.872	1.872	1....	H1-1b
66	M122	PIPE_2.0	.072	2	1	.014	2		1	28843.414	32130	1.872	1.872	1	H1-1b
67	M124	PIPE_2.5	.157	6.901	5	.107	11.318		12	12957.273	50715	3.596	3.596	1....	H1-1b
68	M131	PIPE_2.5	.161	11.18	12	.104	11.318		8	12957.273	50715	3.596	3.596	1....	H1-1b
69	M138	PIPE_2.5	.157	7.039	1	.106	2.76		12	12957.273	50715	3.596	3.596	2....	H1-1b
70	M145	L3X3X4	.293	0	11	.029	.024	y	6	41360.627	46656	1.688	3.756	2....	H2-1
71	M146	L3X3X4	.305	2.332	5	.030	0	y	4	41360.627	46656	1.688	3.756	2....	H2-1
72	M147	L3X3X4	.316	0	7	.030	1.069	y	8	41360.627	46656	1.688	3.756	2....	H2-1

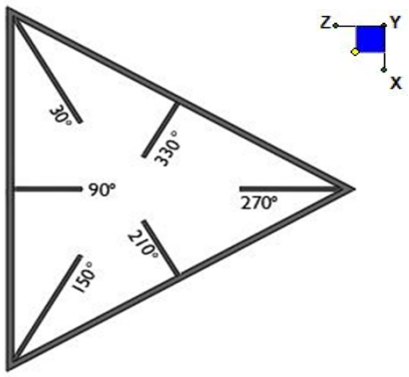
Client:	Verizon Wireless	Date:	8/9/2021
Site Name:	Torrington S CT		
Project No.	21777830A		
Title:	Mount Fix	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

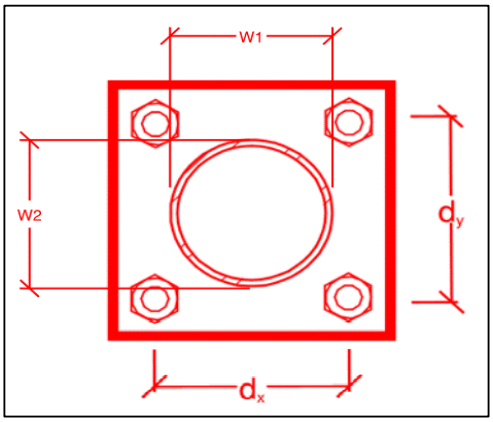
Nodes *(labeled per RISA)*	Orientation *(per graphic of typical platform)*
N60	30
N62	150
N58	270



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:	yes
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength (kips):	15.3
Required Shear Strength (kips):	3.2
Tensile Strength / bolt (kips):	20.7
Shear Strength / bolt (kips):	12.4
Tensile Capacity Overall:	**18.4%***
Shear Capacity Overall:	**6.5%**



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:	Rect
Plate Width (in):	10
Plate Height (in):	10
W1 (in):	4
W2 (in):	4
Fy (ksi, plate):	36
t_{Plate} (in):	0.625
Weld Size (1/16 in):	6
Phi*Rn (kip/in):	8.35
Required Weld Strength (kip/in):	2.86
Plate Bending Capacity:	**48.3%**
Weld Capacity:	**34.3%**

Max Plate Bending Strengths

Mu_{xx} *(kip-in)* :	15.3
Phi*Mn_{xx} *(kip-in)* :	31.6
Mu_{yy} *(kip-in)* :	0.0
Phi*Mn_{yy} *(kip-in)* :	31.6

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Mount Modification

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

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

Base Requirements:

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

Photo Requirements:

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

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

Material Certification:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

Antenna & equipment placement and Geometry Confirmation:

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

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

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

Certifying Individual: Company _____

Name _____

Signature _____

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

Issue:

Install new 36" long P2.0 STD pipe on the existing standoff horizontal member between Beta & Gamma sectors for new OVP - connect to standoff using crossover plates (Site Pro 1 Part #: SQCX4-K or EOR approved equivalent) Contractor shall install new safety climb wire rope guides to the threaded rods of the existing mount collar assemblies to prevent interference with mount connection.

Response:

Schedule A – Photo & Document File Structure

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

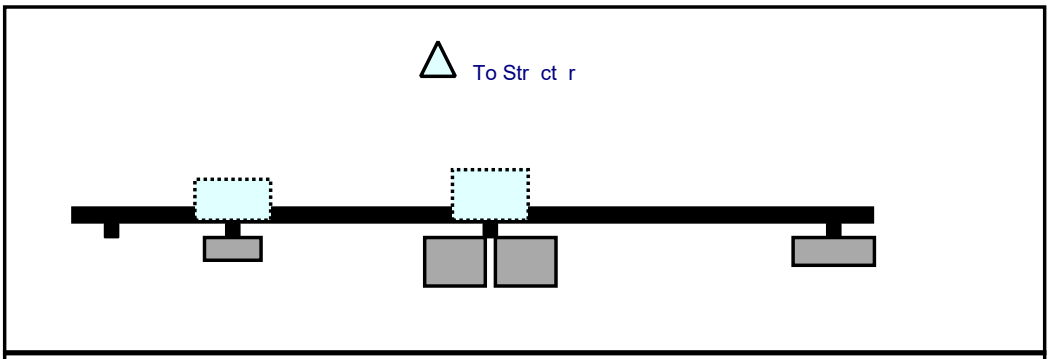
Structure: 467790-VZW - TORRINGTON S CT

S ctor: **A** 8 9 0 1

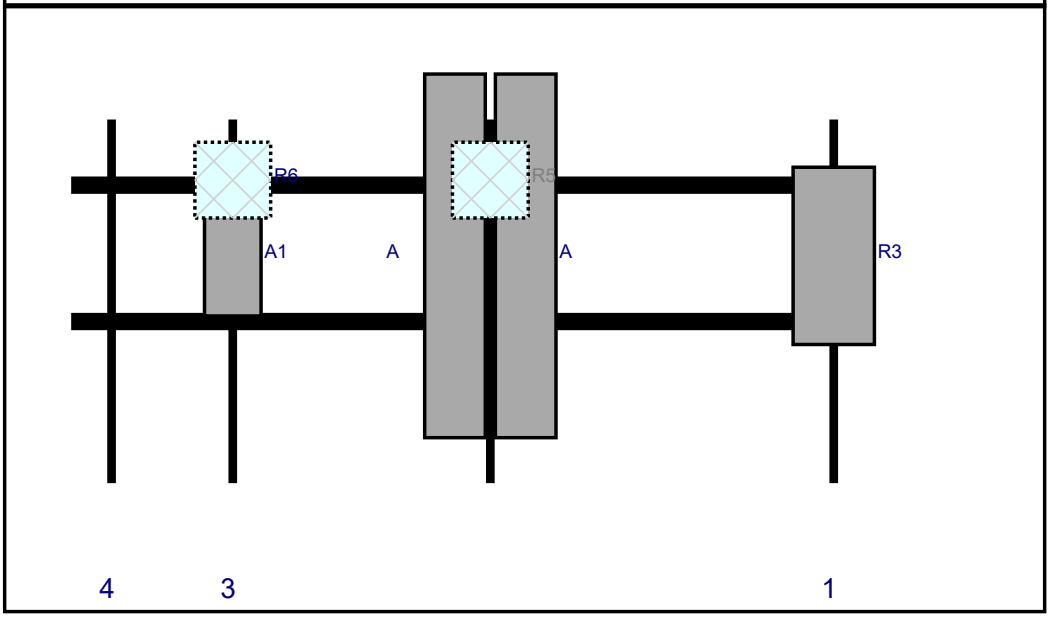
Str ct r T p : Mo opo 1009 303

Mo t E : 139.00 P g : 1

Plan View



Front View
Loo g t Str ct r



R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po	A t Po	C. A t Frm T.	A t H O	St t	d to
R3	MT6407-77A	35.1	16.1	151	1		Fro t	7	0	Add d	
A	S6656-5D	7	1	83			Fro t	7	7	Add d	
A	S6656-5D	7	1	83		b	Fro t	7	-7	Add d	
R5	B B66A RRH-BR049	15	15	83			B d	1	0	Add d	
A1	B A-70063- CF	3.8	11.	3	3		Fro t	7	0	Add d	
R6	B5 B13 RRH-BR04C	15	15	3	3		B d	1	0	Add d	

Cop rg t 019 b Tow r E g r g So to , LLC. A Rg t R r d

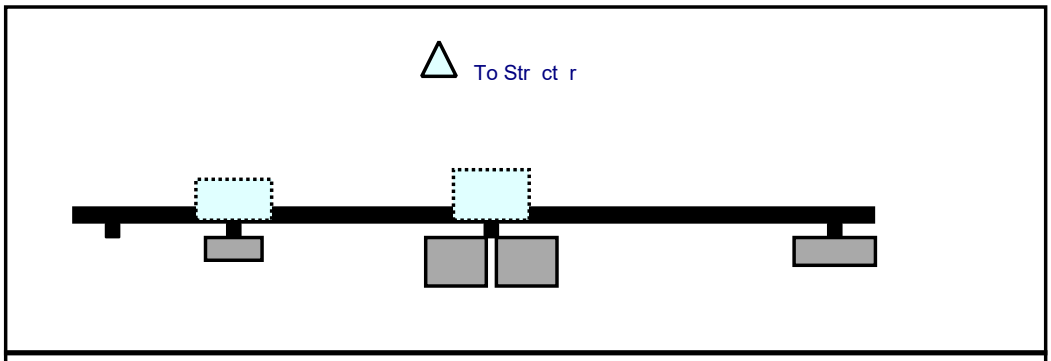
Structure: 467790-VZW - TORRINGTON S CT

S ctor: **B** 8 9 0 1

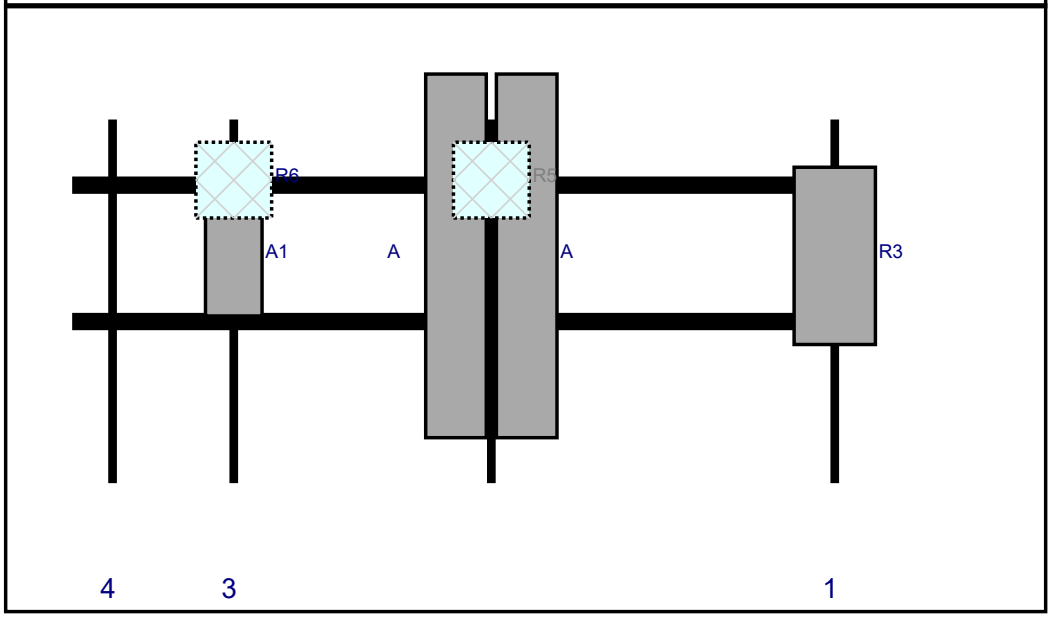
Str ct r T p : Mo opo 1009 303

Mo t E : 139.00 P g :

Plan View



Front View
Loo g t Str ct r



R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po	A t Po	C. A t Frm T.	A t H O	St t	d to
R3	MT6407-77A	35.1	16.1	151	1		Fro t	7	0	Add d	
A	S6656-5D	7	1	83			Fro t	7	7	Add d	
A	S6656-5D	7	1	83		b	Fro t	7	-7	Add d	
R5	B B66A RRH-BR049	15	15	83			B d	1	0	Add d	
A1	B A-70063- CF	3.8	11.	3	3		Fro t	7	0	Add d	
R6	B5 B13 RRH-BR04C	15	15	3	3		B d	1	0	Add d	

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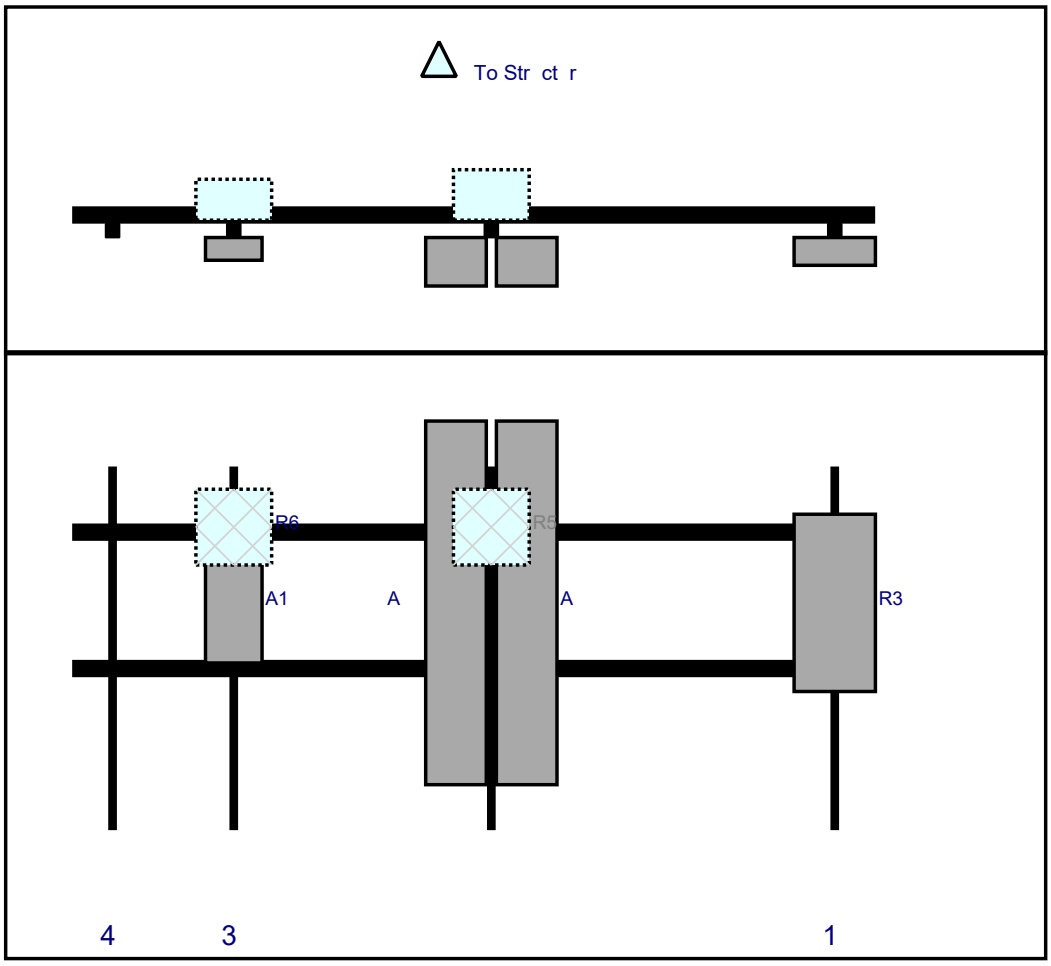
Plan View

Front View
Loo g t Str ct r



R	Mod	H g t ( )	W dt ( )	H D t Frm L.	P p	P p Po	A t Po	C. A t Frm T.	A t H O	St t	d to
R3	MT6407-77A	35.1	16.1	151	1		Fro t	7	0	Add d	
A	S6656-5D	7	1	83			Fro t	7	7	Add d	
A	S6656-5D	7	1	83		b	Fro t	7	-7	Add d	
R5	B B66A RRH-BR049	15	15	83			B d 1		0	Add d	
A1	B A-70063- CF	3.8	11.	3	3		Fro t	7	0	Add d	
R6	B5 B13 RRH-BR04C	15	15	3	3		B d 1		0	Add d	

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Maser Consulting Connecticut

Subject	TIA-222-H Adoption and Wind Speed Usage	
Site Information	*Site ID:*	*467790-VZW / TORRINGTON S CT*
	Site Name:	*TORRINGTON S CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*218 Wheeler Road* *Torrington, Connecticut 06790* *Litchfield County*
	Latitude:	*41.780653°*
	Longitude:	*-73.136119°*
Structure Information	*Tower Type:*	*160-Ft Monopole*
	Mount Type:	*13.25-Ft Platform*

FUZE ID # 16227597

To Whom It May Concern,

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

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

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

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

Sincerely,

Eric Anderson, PE
Technical Specialist

Date: **May 21, 2021**

MORRISON HERSHFIELD

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 379-8500

Subject:	**Structural Analysis Report**	
Carrier Designation:	***Verizon Wireless* Co-Locate**	
	Site Number:	467790
	Site Name:	Torrington S CT
Crown Castle Designation:	**BU Number:**	828540
	Site Name:	Torrington/RT 8
	JDE Job Number:	667188
	Work Order Number:	1962508
	Order Number:	568283 Rev. 1
Engineering Firm Designation:	**Morrison Hershfield Project Number:** CN8-315 / 2101398	
Site Data:	**218 Wheeler Road, Torrington, Litchfield County, CT 06790** **Latitude *41° 46' 50.33"*, Longitude *-73° 8' 10.02"*** **160 Foot – PiRod Monopole Tower**	

Morrison Hershfield is pleased to submit this **"Structural Analysis Report"** to determine the structural integrity of the above-mentioned tower.

The purpose of the analysis is to determine acceptability of the tower stress level. Based on our analysis we have determined the tower stress level for the structure and foundation, under the following load case, to be:

LC7: Proposed Equipment Configuration **Sufficient Capacity – 70.3%**

This analysis utilizes an ultimate 3-second gust wind speed of 120 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Respectfully submitted by:

G. Lance Cooke, P.E. (CT License No. PEN.0028133)
Senior Engineer

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1) INTRODUCTION

This tower is a 160 ft Monopole tower designed by PiRod Manufactures, Inc.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	120 mph
Exposure Category:	B
Topographic Factor:	1
Ice Thickness:	1.5 in
Wind Speed with Ice:	50 mph
Service Wind Speed:	60 mph

Table 1 - Proposed Equipment Configuration

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
140.0	140.0	1	gps	GPS_A	6 1	1-5/8 7/8
		3	antel	BXA-70063-4CF-EDIN-5 w/ Mount Pipe		
		6	quintel	QS6656-5D		
		3	vzw	Sub6 Antenna - VZS01 w/ Mount Pipe		
		1	rfs celwave	DB-C1-12C-24AB-0Z		
		3	samsung	RFV01U-D1A		
		3	samsung	RFV01U-D2A		
		3	quintel	2" Edge-to-Edge Bracket w/Mount Pipe		
		1	-	Platform Mount [LP 304-1]		

Table 2 - Other Considered Equipment

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
160.0	170.0	1	rfi antennas	OA40-41	1	7/8
160.0	160.0	3	ericsson	AIR 32 B2A B66AA w/ Mount Pipe	4	1-5/8
		3	ericsson	AIR6449 B41 w/ Mount Pipe		
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	rfs celwave	APXVAARR24_43-U-NA20 w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	RADIO 4449 B71 B85A_T-MOBILE		
		3	ericsson	RRUS 4415 B25		
		1	-	Platform Mount [LP 405-1_HR-1]		
152.0	153.0	3	rfs celwave	APXVSPP18-C-A20 w/ Mount Pipe	4	1-1/4
		3	rfs celwave	APXVTM14-ALU-I20 w/ Mount Pipe		
	152.0	3	alcatel lucent	TD-RRH8X20-25		
		1	-	Platform Mount [LP 1201-1_HR-3]		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
148.0	148.0	3	alcatel lucent	800MHz 2X50W RRH W/FILTER	-	-
		3	alcatel lucent	PCS 1900MHz 4x45W-65MHz		
		1	-	Pipe Mount [PM 601-3]		
130.0	130.0	1	andrew	SBNHH-1D65A w/ Mount Pipe	12 2 1	1-5/8 3/4 3/8
		2	cci antennas	HPA-65R-BUU-H6 w/ Mount Pipe		
		1	kathrein	800 10764 w/ Mount Pipe		
		2	kmw	AM-X-CD-16-65-00T-RET w/ Mount Pipe		
		3	powerwave	7770.00 w/ Mount Pipe		
		6	ericsson	RRUS 11		
		3	ericsson	RRUS 32 B2		
		1	raycap	DC6-48-60-18-8F		
		1	-	Platform Mount [LP 304-1]		
120.0	120.0	3	rfs celwave	APXV18-206517-C	6	1-5/8
		1	-	Pipe Mount [PM 601-3]		
100.0	100.0	2	maxrad	MPRC2449	4	1/4
		2	-	Side Arm Mount [SO 203-1]		
79.0	79.0	1	-	Side Arm Mount [SO 702-1]	1	1/2
		1	gps	GPS_A		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	3463255	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	3464896	CCISITES
4-TOWER MANUFACTURER DRAWINGS	3463264	CCISITES

3.1) Analysis Method

tnxTower (version 8.0.9.0), a commercially available analysis software package, was used to create a three-dimensional model of the tower and calculate member stresses for various loading cases. Selected output from the analysis is included in Appendix A. When applicable, Crown Castle has calculated and provided the effective area for panel antennas using approved methods following the intent of the TIA-222 standard.

3.2) Assumptions

1) Tower and structures were maintained in accordance with the TIA-222 Standard.
2) The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Tables 1 and 2 and the referenced drawings.
3) Base and flange plate design methodology of the manufacturer has been reviewed and found to be an acceptable means of design to resist the full capacity of the bolts and shaft.

This analysis may be affected if any assumptions are not valid or have been made in error. Morrison Hershfield should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	160 - 140	Pole	P36x0.375	1	-13.36	1564.60	10.2	Pass
L2	140 - 120	Pole	P42x0.375	2	-24.18	1752.31	22.8	Pass
L3	120 - 100	Pole	P48x0.375	3	-30.02	1939.86	32.0	Pass
L4	100 - 80	Pole	P54x0.375	4	-94.23	2127.30	46.7	Pass
L5	80 - 60	Pole	P60x0.375	5	-100.99	2314.65	50.6	Pass
L6	60 - 40	Pole	P60x0.5	6	-109.63	3281.97	46.4	Pass
L7	40 - 20	Pole	P60x0.5	7	-118.32	3281.97	56.4	Pass
L8	20 - 0	Pole	P60x0.625	8	-128.90	4346.11	52.1	Pass
							Summary	
						Pole (L7)	56.4	Pass
						Rating =	56.4	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1, 2	Flange Connection	140	10.8	Pass
1, 2	Flange Connection	120	22.1	Pass
1, 2	Flange Connection	100	32.2	Pass
1, 2	Flange Connection	80	41.1	Pass
1, 2	Flange Connection	60	28.1	Pass
1, 2	Flange Connection	40	47.8	Pass
1, 2	Flange Connection	20	70.3	Pass
1	Anchor Rods	0	43.6	Pass
1, 2	Base Plate		52.1	Pass
1	Base Foundation (Structure)	0	42.8	Pass
1	Base Foundation (Soil Interaction)		45.9	Pass

Structure Rating (max from all components) =	**70.3%***

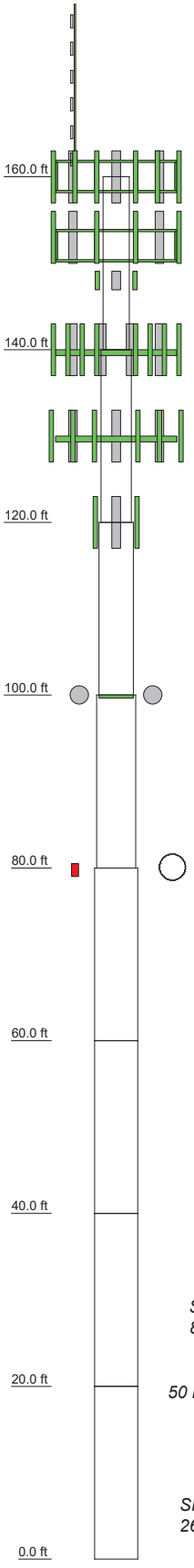
Notes:
1) See additional documentation in “Appendix C – Additional Calculations” for calculations supporting the % capacity consumed.
2) The base and flange plates have been considered to have the same capacity as their respective bolts/shaft.
3) *Rating per TIA-222-H, Section 15.5.

4.1) Recommendations

The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT



Section	Size	Length (ft)	Grade	Weight (K)
1	P36x0.375	20.00	A53-B-42	2.9
2	P42x0.375	20.00		3.3
3	P48x0.375	20.00		3.8
4	P54x0.375	20.00		4.3
5	P60x0.375	20.00		4.8
6	P60x0.5	20.00		6.4
7	P60x0.5	20.00		6.4
8	P60x0.625	20.00		7.9
				39.7

ALL REACTIONS ARE FACTORED

AXIAL 284 K

SHEAR 8 K *MOMENT 1482 kip-ft*

TORQUE 3 kip-ft
50 mph WIND - 1.5000 in ICE

AXIAL 129 K

SHEAR 26 K *MOMENT 3198 kip-ft*

TORQUE 2 kip-ft
REACTIONS - 120 mph WIND

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A53-B-42	42 ksi	63 ksi			

TOWER DESIGN NOTES

1. Tower designed for Exposure B to the TIA-222-H Standard.
2. Tower designed for a 120 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 56.4%

Morrison Hershfield
Consulting Engineers
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
Phone: (770) 379-8500
FAX: (770) 379-8501

Job:	***CN8-315 / 2101398***		
Project:	***828540 / Torrington/RT 8***		
Client: Crown Castle USA		Drawn by: CKK	App'd:
Code: TIA-222-H		Date: 05/20/21	Scale: NTS
Path: C:\Users\CKatari\Desktop\CN8-315 - 828540 - TORRINGTONRT 8\CN8-315 SA\Analysis\CN8-315 BU_828540 WO_1962508.eri			Dwg No. E-1

Tower Input Data

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

- Tower base elevation above sea level: 1027.00 ft.
- Basic wind speed of 120 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 1.5000 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 50 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.05.
- 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-H Bracing Resist. Exemption
	Include Bolts In Member Capacity		Autocalc Torque Arm Areas		Use TIA-222-H 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

Pole Section Geometry

Section	Elevation ft	Section Length ft	Pole Size	Pole Grade	Socket Length ft
L1	160.00-140.00	20.00	P36x0.375	A53-B-42 (42 ksi)	
L2	140.00-120.00	20.00	P42x0.375	A53-B-42 (42 ksi)	
L3	120.00-100.00	20.00	P48x0.375	A53-B-42 (42 ksi)	
L4	100.00-80.00	20.00	P54x0.375	A53-B-42 (42 ksi)	
L5	80.00-60.00	20.00	P60x0.375	A53-B-42 (42 ksi)	
L6	60.00-40.00	20.00	P60x0.5	A53-B-42 (42 ksi)	
L7	40.00-20.00	20.00	P60x0.5	A53-B-42 (42 ksi)	
L8	20.00-0.00	20.00	P60x0.625	A53-B-42 (42 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 160.00-140.00				1	1	1			
L2 140.00-120.00				1	1	1			
L3 120.00-100.00				1	1	1			
L4 100.00-80.00				1	1	1			
L5 80.00-60.00				1	1	1			
L6 60.00-40.00				1	1	1			
L7 40.00-20.00				1	1	1			
L8 20.00-0.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
PiRod Ladder	A	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	0.500 0.500	0.5400		2.00
Safety Line 3/8	A	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	0.500 0.500	0.3750		0.22
***										
810921-001(7/8)	C	No	Surface Ar (CaAa)	160.00 - 0.00	1	1	-0.320 -0.300	1.1120		0.40
***										
LDF7-50A(1-5/8)	C	No	Surface Ar (CaAa)	140.00 - 0.00	6	6	0.210 0.480	1.9800		0.82
LDF5-50A(7/8)	C	No	Surface Ar (CaAa)	140.00 - 0.00	1	1	0.480 0.500	1.0900		0.33
***										
LDF7-50A(1-5/8)	A	No	Surface Ar (CaAa)	120.00 - 0.00	6	6	0.230 0.500	1.9800		0.82

Description	Sector	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	Number Per Row	Start/End Position	Width or Diameter in	Perimeter in	Weight plf
***										
CAT5E(1/4)	C	No	Surface Ar (CaAa)	100.00 - 0.00	4	4	-0.300 -0.250	0.2500		0.10
***										
LDF4-50A(1/2)	B	No	Surface Ar (CaAa)	79.00 - 0.00	1	1	-0.250 -0.250	0.6250		0.15
***										

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C_AA_A ft^2/ft	Weight plf
***									
***									
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	A	No	No	Inside Pole	160.00 - 0.00	1	No Ice	0.00	1.07
							1/2" Ice	0.00	1.07
							1" Ice	0.00	1.07
							2" Ice	0.00	1.07
HCS 6X12 4AWG(1-5/8)	A	No	No	Inside Pole	160.00 - 0.00	3	No Ice	0.00	2.40
							1/2" Ice	0.00	2.40
							1" Ice	0.00	2.40
							2" Ice	0.00	2.40
***									
HB114-1-08U4-M5J(1-1/4)	C	No	No	Inside Pole	152.00 - 0.00	3	No Ice	0.00	1.08
							1/2" Ice	0.00	1.08
							1" Ice	0.00	1.08
							2" Ice	0.00	1.08
HB114-21U3M12-XXXF(1-1/4)	C	No	No	Inside Pole	152.00 - 0.00	1	No Ice	0.00	1.22
							1/2" Ice	0.00	1.22
							1" Ice	0.00	1.22
							2" Ice	0.00	1.22
***									
AVA7-50(1-5/8)	A	No	No	Inside Pole	130.00 - 0.00	12	No Ice	0.00	0.70
							1/2" Ice	0.00	0.70
							1" Ice	0.00	0.70
							2" Ice	0.00	0.70
FB-L98-002-XXX(3/8)	A	No	No	Inside Pole	130.00 - 0.00	1	No Ice	0.00	0.06
							1/2" Ice	0.00	0.06
							1" Ice	0.00	0.06
							2" Ice	0.00	0.06
WR-VG86T(3/4)	A	No	No	Inside Pole	130.00 - 0.00	2	No Ice	0.00	0.53
							1/2" Ice	0.00	0.53
							1" Ice	0.00	0.53
							2" Ice	0.00	0.53
CONDUIT(2)	A	No	No	Inside Pole	130.00 - 0.00	1	No Ice	0.00	2.80
							1/2" Ice	0.00	2.80
							1" Ice	0.00	2.80
							2" Ice	0.00	2.80
***									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.00-140.00	A	0.000	0.000	1.830	0.000	0.21
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	2.224	0.000	0.06
L2	140.00-120.00	A	0.000	0.000	1.830	0.000	0.33
		B	0.000	0.000	0.000	0.000	0.00

Tower Section	Tower Elevation ft	Face	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
		C	0.000	0.000	28.164	0.000	0.20
L3	120.00-100.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	28.164	0.000	0.20
L4	100.00-80.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21
L5	80.00-60.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	1.188	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21
L6	60.00-40.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	1.250	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21
L7	40.00-20.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	1.250	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21
L8	20.00-0.00	A	0.000	0.000	25.590	0.000	0.55
		B	0.000	0.000	1.250	0.000	0.00
		C	0.000	0.000	30.164	0.000	0.21

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft^2	A_F ft^2	C_AA_A In Face ft^2	C_AA_A Out Face ft^2	Weight K
L1	160.00-140.00	A	1.483	0.000	0.000	13.697	0.000	0.35
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	8.158	0.000	0.16
L2	140.00-120.00	A	1.462	0.000	0.000	13.529	0.000	0.47
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	53.115	0.000	0.77
L3	120.00-100.00	A	1.438	0.000	0.000	50.226	0.000	1.06
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	52.800	0.000	0.75
L4	100.00-80.00	A	1.410	0.000	0.000	49.854	0.000	1.05
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	61.976	0.000	0.82
L5	80.00-60.00	A	1.375	0.000	0.000	49.399	0.000	1.03
		B		0.000	0.000	6.411	0.000	0.07
		C		0.000	0.000	61.346	0.000	0.80
L6	60.00-40.00	A	1.329	0.000	0.000	48.808	0.000	1.02
		B		0.000	0.000	6.566	0.000	0.07
		C		0.000	0.000	60.528	0.000	0.78
L7	40.00-20.00	A	1.263	0.000	0.000	47.948	0.000	0.99
		B		0.000	0.000	6.302	0.000	0.06
		C		0.000	0.000	59.336	0.000	0.75
L8	20.00-0.00	A	1.132	0.000	0.000	46.240	0.000	0.94
		B		0.000	0.000	5.776	0.000	0.05
		C		0.000	0.000	56.971	0.000	0.68

Feed Line Center of Pressure

Section	Elevation ft	CP_X in	CP_Z in	CP_X Ice in	CP_Z Ice in
L1	160.00-140.00	0.6229	-0.0125	0.9171	-1.2940
L2	140.00-120.00	-4.9548	5.7723	-3.4428	3.2682
L3	120.00-100.00	-5.6122	-0.9624	-3.9945	-1.1350
L4	100.00-80.00	-5.5588	-0.5850	-3.4197	-0.2790
L5	80.00-60.00	-5.6218	-0.8732	-3.1875	-0.9058
L6	60.00-40.00	-5.6107	-0.8868	-3.1879	-0.9300
L7	40.00-20.00	-5.6107	-0.8868	-3.2221	-0.9196
L8	20.00-0.00	-5.6107	-0.8868	-3.2927	-0.8980

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
L1	2	PiRod Ladder	140.00 - 160.00	1.0000	1.0000
L1	3	Safety Line 3/8	140.00 - 160.00	1.0000	1.0000
L1	5	810921-001(7/8)	140.00 - 160.00	1.0000	1.0000
L2	2	PiRod Ladder	120.00 - 140.00	1.0000	1.0000
L2	3	Safety Line 3/8	120.00 - 140.00	1.0000	1.0000
L2	5	810921-001(7/8)	120.00 - 140.00	1.0000	1.0000
L2	17	LDF7-50A(1-5/8)	120.00 - 140.00	1.0000	1.0000
L2	18	LDF5-50A(7/8)	120.00 - 140.00	1.0000	1.0000
L3	2	PiRod Ladder	100.00 - 120.00	1.0000	1.0000
L3	3	Safety Line 3/8	100.00 - 120.00	1.0000	1.0000
L3	5	810921-001(7/8)	100.00 - 120.00	1.0000	1.0000
L3	17	LDF7-50A(1-5/8)	100.00 - 120.00	1.0000	1.0000
L3	18	LDF5-50A(7/8)	100.00 - 120.00	1.0000	1.0000
L3	25	LDF7-50A(1-5/8)	100.00 - 120.00	1.0000	1.0000
L4	2	PiRod Ladder	80.00 - 100.00	1.0000	1.0000
L4	3	Safety Line 3/8	80.00 - 100.00	1.0000	1.0000
L4	5	810921-001(7/8)	80.00 - 100.00	1.0000	1.0000
L4	17	LDF7-50A(1-5/8)	80.00 - 100.00	1.0000	1.0000
L4	18	LDF5-50A(7/8)	80.00 - 100.00	1.0000	1.0000
L4	25	LDF7-50A(1-5/8)	80.00 - 100.00	1.0000	1.0000
L4	27	CAT5E(1/4)	80.00 - 100.00	1.0000	1.0000
L5	2	PiRod Ladder	60.00 - 80.00	1.0000	1.0000
L5	3	Safety Line 3/8	60.00 - 80.00	1.0000	1.0000
L5	5	810921-001(7/8)	60.00 - 80.00	1.0000	1.0000
L5	17	LDF7-50A(1-5/8)	60.00 - 80.00	1.0000	1.0000
L5	18	LDF5-50A(7/8)	60.00 - 80.00	1.0000	1.0000
L5	25	LDF7-50A(1-5/8)	60.00 - 80.00	1.0000	1.0000
L5	27	CAT5E(1/4)	60.00 - 80.00	1.0000	1.0000
L5	29	LDF4-50A(1/2)	60.00 - 79.00	1.0000	1.0000
L6	2	PiRod Ladder	40.00 - 60.00	1.0000	1.0000
L6	3	Safety Line 3/8	40.00 - 60.00	1.0000	1.0000
L6	5	810921-001(7/8)	40.00 - 60.00	1.0000	1.0000
L6	17	LDF7-50A(1-5/8)	40.00 - 60.00	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K_a No Ice	K_a Ice
L6	18	LDF5-50A(7/8)	40.00 - 60.00	1.0000	1.0000
L6	25	LDF7-50A(1-5/8)	40.00 - 60.00	1.0000	1.0000
L6	27	CAT5E(1/4)	40.00 - 60.00	1.0000	1.0000
L6	29	LDF4-50A(1/2)	40.00 - 60.00	1.0000	1.0000
L7	2	PiRod Ladder	20.00 - 40.00	1.0000	1.0000
L7	3	Safety Line 3/8	20.00 - 40.00	1.0000	1.0000
L7	5	810921-001(7/8)	20.00 - 40.00	1.0000	1.0000
L7	17	LDF7-50A(1-5/8)	20.00 - 40.00	1.0000	1.0000
L7	18	LDF5-50A(7/8)	20.00 - 40.00	1.0000	1.0000
L7	25	LDF7-50A(1-5/8)	20.00 - 40.00	1.0000	1.0000
L7	27	CAT5E(1/4)	20.00 - 40.00	1.0000	1.0000
L7	29	LDF4-50A(1/2)	20.00 - 40.00	1.0000	1.0000
L8	2	PiRod Ladder	0.00 - 20.00	1.0000	1.0000
L8	3	Safety Line 3/8	0.00 - 20.00	1.0000	1.0000
L8	5	810921-001(7/8)	0.00 - 20.00	1.0000	1.0000
L8	17	LDF7-50A(1-5/8)	0.00 - 20.00	1.0000	1.0000
L8	18	LDF5-50A(7/8)	0.00 - 20.00	1.0000	1.0000
L8	25	LDF7-50A(1-5/8)	0.00 - 20.00	1.0000	1.0000
L8	27	CAT5E(1/4)	0.00 - 20.00	1.0000	1.0000
L8	29	LDF4-50A(1/2)	0.00 - 20.00	1.0000	1.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
***									
OA40-41	C	From Leg	4.00 0.00 10.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.27 7.04 8.83 12.45	5.27 7.04 8.83 12.45	0.05 0.09 0.14 0.27
6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.43 1.92 2.29 3.06	1.43 1.92 2.29 3.06	0.02 0.03 0.05 0.09
***									
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.23 0.38
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.23 0.38
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	160.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.77 4.43	2.59 2.88 3.19 3.84	0.11 0.16 0.23 0.38
KRY 112 144/1	A	From Leg	4.00 0.00	0.0000	160.00	No Ice 1/2" Ice	0.35 0.43	0.17 0.23	0.01 0.01

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1" Ice	0.51	0.30	0.02
						2" Ice	0.70	0.46	0.03
KRY 112 144/1	B	From Leg	4.00	0.0000	160.00	No Ice	0.35	0.17	0.01
			0.00			1/2" Ice	0.43	0.23	0.01
			0.00			1" Ice	0.51	0.30	0.02
						2" Ice	0.70	0.46	0.03
KRY 112 144/1	C	From Leg	4.00	0.0000	160.00	No Ice	0.35	0.17	0.01
			0.00			1/2" Ice	0.43	0.23	0.01
			0.00			1" Ice	0.51	0.30	0.02
						2" Ice	0.70	0.46	0.03
Platform Mount [LP 405-1_HR-1]	A	None		0.0000	160.00	No Ice	25.33	25.33	2.06
						1/2" Ice	33.79	33.79	2.63
						1" Ice	42.16	42.16	3.36
						2" Ice	58.77	58.77	5.25
*									
APXVAARR24_43-U-NA20 w/ Mount Pipe	A	From Leg	4.00	0.0000	160.00	No Ice	14.69	6.87	0.19
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00	0.0000	160.00	No Ice	14.69	6.87	0.19
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
APXVAARR24_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00	0.0000	160.00	No Ice	14.69	6.87	0.19
			0.00			1/2" Ice	15.46	7.55	0.31
			0.00			1" Ice	16.23	8.25	0.46
						2" Ice	17.82	9.67	0.79
AIR 32 B2A B66AA w/ Mount Pipe	A	From Leg	4.00	0.0000	160.00	No Ice	3.76	3.15	0.19
			0.00			1/2" Ice	4.12	3.49	0.25
			0.00			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
AIR 32 B2A B66AA w/ Mount Pipe	B	From Leg	4.00	0.0000	160.00	No Ice	3.76	3.15	0.19
			0.00			1/2" Ice	4.12	3.49	0.25
			0.00			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
AIR 32 B2A B66AA w/ Mount Pipe	C	From Leg	4.00	0.0000	160.00	No Ice	3.76	3.15	0.19
			0.00			1/2" Ice	4.12	3.49	0.25
			0.00			1" Ice	4.48	3.84	0.32
						2" Ice	5.24	4.58	0.48
AIR6449 B41 w/ Mount Pipe	A	From Leg	4.00	0.0000	160.00	No Ice	5.18	2.72	0.12
			0.00			1/2" Ice	5.59	3.05	0.16
			0.00			1" Ice	6.01	3.39	0.22
						2" Ice	6.90	4.13	0.34
AIR6449 B41 w/ Mount Pipe	B	From Leg	4.00	0.0000	160.00	No Ice	5.18	2.72	0.12
			0.00			1/2" Ice	5.59	3.05	0.16
			0.00			1" Ice	6.01	3.39	0.22
						2" Ice	6.90	4.13	0.34
AIR6449 B41 w/ Mount Pipe	C	From Leg	4.00	0.0000	160.00	No Ice	5.18	2.72	0.12
			0.00			1/2" Ice	5.59	3.05	0.16
			0.00			1" Ice	6.01	3.39	0.22
						2" Ice	6.90	4.13	0.34
RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	4.00	0.0000	160.00	No Ice	1.97	1.59	0.07
			0.00			1/2" Ice	2.15	1.75	0.09
			0.00			1" Ice	2.33	1.92	0.12
						2" Ice	2.72	2.28	0.17
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	4.00	0.0000	160.00	No Ice	1.97	1.59	0.07
			0.00			1/2" Ice	2.15	1.75	0.09
			0.00			1" Ice	2.33	1.92	0.12
						2" Ice	2.72	2.28	0.17
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	4.00	0.0000	160.00	No Ice	1.97	1.59	0.07
			0.00			1/2" Ice	2.15	1.75	0.09
			0.00			1" Ice	2.33	1.92	0.12
						2" Ice	2.72	2.28	0.17
RRUS 4415 B25	A	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
			0.00			1" Ice	1.97	0.91	0.07
						2" Ice	2.33	1.18	0.11
RRUS 4415 B25	B	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06
			0.00			1" Ice	1.97	0.91	0.07
						2" Ice	2.33	1.18	0.11
RRUS 4415 B25	C	From Leg	4.00	0.0000	160.00	No Ice	1.64	0.68	0.04
			0.00			1/2" Ice	1.80	0.79	0.06
			0.00			1" Ice	1.97	0.91	0.07
						2" Ice	2.33	1.18	0.11
***									
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.00	0.0000	152.00	No Ice	4.60	4.01	0.10
			0.00			1/2" Ice	5.05	4.45	0.16
			1.00			1" Ice	5.50	4.89	0.23
						2" Ice	6.44	5.82	0.42
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.00	0.0000	152.00	No Ice	4.60	4.01	0.10
			0.00			1/2" Ice	5.05	4.45	0.16
			1.00			1" Ice	5.50	4.89	0.23
						2" Ice	6.44	5.82	0.42
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.00	0.0000	152.00	No Ice	4.60	4.01	0.10
			0.00			1/2" Ice	5.05	4.45	0.16
			1.00			1" Ice	5.50	4.89	0.23
						2" Ice	6.44	5.82	0.42
APXVTM14-ALU-I20 w/ Mount Pipe	A	From Leg	4.00	0.0000	152.00	No Ice	4.09	2.86	0.08
			0.00			1/2" Ice	4.48	3.23	0.13
			1.00			1" Ice	4.88	3.61	0.19
						2" Ice	5.71	4.40	0.33
APXVTM14-ALU-I20 w/ Mount Pipe	B	From Leg	4.00	0.0000	152.00	No Ice	4.09	2.86	0.08
			0.00			1/2" Ice	4.48	3.23	0.13
			1.00			1" Ice	4.88	3.61	0.19
						2" Ice	5.71	4.40	0.33
APXVTM14-ALU-I20 w/ Mount Pipe	C	From Leg	4.00	0.0000	152.00	No Ice	4.09	2.86	0.08
			0.00			1/2" Ice	4.48	3.23	0.13
			1.00			1" Ice	4.88	3.61	0.19
						2" Ice	5.71	4.40	0.33
TD-RRH8X20-25	A	From Leg	4.00	0.0000	152.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
TD-RRH8X20-25	B	From Leg	4.00	0.0000	152.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
TD-RRH8X20-25	C	From Leg	4.00	0.0000	152.00	No Ice	4.05	1.53	0.07
			0.00			1/2" Ice	4.30	1.71	0.10
			0.00			1" Ice	4.56	1.90	0.13
						2" Ice	5.10	2.30	0.20
Platform Mount [LP 1201-1_HR-3]	A	None		0.0000	152.00	No Ice	29.96	29.96	2.62
						1/2" Ice	36.80	36.80	3.38
						1" Ice	43.24	43.24	4.28
						2" Ice	55.52	55.52	6.43
***									
PCS 1900MHz 4x45W-65MHz	A	From Leg	1.00	0.0000	148.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
PCS 1900MHz 4x45W-65MHz	B	From Leg	1.00	0.0000	148.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
PCS 1900MHz 4x45W-65MHz	C	From Leg	1.00	0.0000	148.00	No Ice	2.32	2.24	0.06
			0.00			1/2" Ice	2.53	2.44	0.08
			0.00			1" Ice	2.74	2.65	0.11
						2" Ice	3.19	3.09	0.17
800MHz 2X50W RRH	A	From Leg	1.00	0.0000	148.00	No Ice	2.06	1.93	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
W/FILTER			0.00			1/2" Ice	2.24	2.11	0.09
			0.00			1" Ice	2.43	2.29	0.11
						2" Ice	2.83	2.68	0.17
800MHz 2X50W RRH W/FILTER	B	From Leg	1.00 0.00 0.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
800MHz 2X50W RRH W/FILTER	C	From Leg	1.00 0.00 0.00	0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.06 2.24 2.43 2.83	1.93 2.11 2.29 2.68	0.06 0.09 0.11 0.17
Pipe Mount [PM 601-3]	A	None		0.0000	148.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.17 3.79 4.42 5.76	3.17 3.79 4.42 5.76	0.20 0.23 0.28 0.40
***									
GPS_A	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.26 0.32 0.39 0.56	0.26 0.32 0.39 0.56	0.00 0.00 0.01 0.02
Platform Mount [LP 304-1]	A	None		0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.49 21.37 25.28 33.17	17.49 21.37 25.28 33.17	1.35 1.71 2.13 3.16
*									
BXA-70063-4CF-EDIN-5 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.84 5.35 5.88 6.99	3.54 4.03 4.53 5.59	0.04 0.08 0.12 0.24
BXA-70063-4CF-EDIN-5 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.84 5.35 5.88 6.99	3.54 4.03 4.53 5.59	0.04 0.08 0.12 0.24
BXA-70063-4CF-EDIN-5 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.84 5.35 5.88 6.99	3.54 4.03 4.53 5.59	0.04 0.08 0.12 0.24
Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
Sub6 Antenna - VZS01 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.92 5.26 5.62 6.37	2.69 3.15 3.63 4.64	0.10 0.14 0.19 0.29
(2) QS6656-5D	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.01 4.41 4.81 5.65	3.37 3.76 4.15 4.97	0.09 0.15 0.21 0.36
(2) QS6656-5D	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.01 4.41 4.81 5.65	3.37 3.76 4.15 4.97	0.09 0.15 0.21 0.36
(2) QS6656-5D	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.01 4.41 4.81 5.65	3.37 3.76 4.15 4.97	0.09 0.15 0.21 0.36
(3) RFV01U-D1A	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.25 1.39 1.54 1.86	0.08 0.10 0.12 0.18

Description	Face or Leg	Offset Type	Offsets: Horz Lateral ft Vert ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
(3) RFV01U-D2A	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.88 2.05 2.22 2.60	1.01 1.14 1.28 1.59	0.07 0.09 0.11 0.15
DB-C1-12C-24AB-0Z	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.06 4.32 4.58 5.14	3.10 3.34 3.58 4.09	0.03 0.07 0.11 0.20
2" Edge-to-Edge Bracket w/Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
2" Edge-to-Edge Bracket w/Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
2" Edge-to-Edge Bracket w/Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	140.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.90 2.73 3.40 4.40	1.90 2.73 3.40 4.40	0.03 0.04 0.06 0.12
***									
7770.00 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
7770.00 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.75 6.18 6.61 7.49	4.25 5.01 5.71 7.16	0.06 0.10 0.16 0.29
800 10764 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.33 4.77 5.22 6.15	3.12 3.53 3.96 4.85	0.07 0.11 0.17 0.31
AM-X-CD-16-65-00T-RET w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.63 5.06 5.51 6.43	3.27 3.69 4.12 5.00	0.07 0.13 0.20 0.38
AM-X-CD-16-65-00T-RET w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.63 5.06 5.51 6.43	3.27 3.69 4.12 5.00	0.07 0.13 0.20 0.38
(2) RRUS 11	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
(2) RRUS 11	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
(2) RRUS 11	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.78 2.99 3.21 3.66	1.19 1.33 1.49 1.83	0.05 0.07 0.09 0.15
DC6-48-60-18-8F	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.92 1.46 1.64 2.04	0.92 1.46 1.64 2.04	0.02 0.04 0.06 0.11
Platform Mount [LP 304-1]	A	None		0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.49 21.37 25.28 33.17	17.49 21.37 25.28 33.17	1.35 1.71 2.13 3.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C_AA_A Front ft^2	C_AA_A Side ft^2	Weight K
*									
HPA-65R-BUU-H6 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.22 9.98 10.76 12.36	6.25 6.96 7.70 9.22	0.07 0.14 0.22 0.42
HPA-65R-BUU-H6 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	9.22 9.98 10.76 12.36	6.25 6.96 7.70 9.22	0.07 0.14 0.22 0.42
SBNHH-1D65A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.04 3.34 3.65 4.31	2.45 2.75 3.05 3.68	0.05 0.10 0.16 0.31
RRUS 32 B2	A	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B2	B	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
RRUS 32 B2	C	From Leg	4.00 0.00 0.00	0.0000	130.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.73 2.95 3.18 3.66	1.67 1.86 2.05 2.46	0.05 0.07 0.10 0.16
***									
APXV18-206517-C	A	From Leg	1.00 0.00 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.83 4.43 5.05 6.33	1.81 2.38 2.97 4.19	0.03 0.06 0.09 0.17
APXV18-206517-C	B	From Leg	1.00 0.00 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.83 4.43 5.05 6.33	1.81 2.38 2.97 4.19	0.03 0.06 0.09 0.17
APXV18-206517-C	C	From Leg	1.00 0.00 0.00	0.0000	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.83 4.43 5.05 6.33	1.81 2.38 2.97 4.19	0.03 0.06 0.09 0.17
Pipe Mount [PM 601-3]	A	None		0.0000	120.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.17 3.79 4.42 5.76	3.17 3.79 4.42 5.76	0.20 0.23 0.28 0.40
***									
6'x4' Ice Shield	C	From Face	0.00 0.00 0.00	0.0000	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.00 6.61 8.22 11.44	9.50 12.44 15.38 21.26	0.22 0.40 0.58 0.94
Side Arm Mount [SO 203-1]	A	From Face	1.50 0.00 0.00	0.0000	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.78 2.24 2.75 3.89	3.79 4.47 5.21 6.78	0.13 0.15 0.19 0.29
Side Arm Mount [SO 203-1]	B	From Face	1.50 0.00 0.00	0.0000	100.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.78 2.24 2.75 3.89	3.79 4.47 5.21 6.78	0.13 0.15 0.19 0.29
***									
GPS_A	C	From Leg	3.00 0.00 0.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.26 0.32 0.39 0.56	0.26 0.32 0.39 0.56	0.00 0.00 0.01 0.02
Side Arm Mount [SO 702-1]	C	From Leg	1.00 0.00 0.00	0.0000	79.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.62 0.74 0.89 1.25	1.49 2.07 2.54 3.55	0.03 0.04 0.06 0.12
***									

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert ft	Azimuth Adjustment °	3 dB Beam Width °	Elevation ft	Outside Diameter ft		Aperture Area ft²	Weight K
***											
MPRC2449	A	Paraboloid w/Radome	From Face	3.00 0.00 0.00	3.0000		100.00	2.17	No Ice 1/2" Ice 1" Ice 2" Ice	3.69 3.98 4.27 4.84	24.00 40.00 60.00 110.00
MPRC2449	B	Paraboloid w/Radome	From Face	3.00 0.00 0.00	-53.0000		100.00	2.17	No Ice 1/2" Ice 1" Ice 2" Ice	3.69 3.98 4.27 4.84	24.00 40.00 60.00 110.00
***											

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service

Comb. No.	Description
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	160 - 140	Pole	Max Tension	32	0.00	0.00	0.00
			Max. Compression	26	-25.86	1.59	1.85
			Max. Mx	20	-13.37	131.29	0.26
			Max. My	2	-13.35	0.45	131.01
			Max. Vy	8	8.40	-130.38	0.20
			Max. Vx	2	-8.42	0.45	131.01
			Max. Torque	24			1.50
L2	140 - 120	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.69	-4.50	3.43
			Max. Mx	8	-24.17	-400.46	-2.50
			Max. My	14	-24.21	-4.37	-397.29
			Max. Vy	8	15.51	-400.46	-2.50
			Max. Vx	2	-15.51	-0.63	395.89
			Max. Torque	6			-1.71
L3	120 - 100	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.75	-3.31	9.80
			Max. Mx	8	-30.01	-735.51	-3.61
			Max. My	2	-29.97	1.83	731.31
			Max. Vy	8	17.64	-735.51	-3.61
			Max. Vx	2	-17.66	1.83	731.31
			Max. Torque	6			-1.71
L4	100 - 80	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-238.18	-1.96	465.73
			Max. Mx	8	-94.26	-1144.78	140.81
			Max. My	2	-94.23	4.48	1284.78
			Max. Vy	8	21.27	-1144.78	140.81
			Max. Vx	2	-21.24	4.48	1284.78
			Max. Torque	36			-2.78
L5	80 - 60	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-248.14	-0.26	484.59
			Max. Mx	8	-101.01	-1586.22	140.16
			Max. My	2	-100.99	7.47	1725.94
			Max. Vy	8	22.89	-1586.22	140.16
			Max. Vx	2	-22.84	7.47	1725.94
			Max. Torque	36			-2.78
L6	60 - 40	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-259.79	1.05	497.74
			Max. Mx	8	-109.65	-2057.29	138.90
			Max. My	2	-109.63	10.35	2196.04
			Max. Vy	8	24.25	-2057.29	138.90
			Max. Vx	2	-24.18	10.35	2196.04
			Max. Torque	36			-2.74
L7	40 - 20	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-271.26	2.30	505.23
			Max. Mx	8	-118.32	-2551.30	137.00
			Max. My	2	-118.32	13.18	2688.47
			Max. Vy	8	25.18	-2551.30	137.00
			Max. Vx	2	-25.07	13.18	2688.47
			Max. Torque	36			-2.74
L8	20 - 0	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-284.29	3.43	507.10
			Max. Mx	8	-128.90	-3062.94	134.45
			Max. My	2	-128.90	15.95	3197.86
			Max. Vy	8	26.02	-3062.94	134.45
			Max. Vx	14	25.94	-17.94	-2899.17
			Max. Torque	36			-2.74

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	284.29	0.00	0.00
	Max. H_x	20	128.90	25.97	0.10
	Max. H_z	3	96.68	0.12	25.86
	Max. M_x	2	3197.86	0.12	25.86
	Max. M_z	8	3062.94	-26.00	-0.14
	Max. Torsion	30	2.71	-8.10	-0.03
	Min. Vert	17	96.68	12.89	-22.37
	Min. H_x	8	128.90	-26.00	-0.14
	Min. H_z	15	96.68	-0.13	-25.92
	Min. M_x	14	-2899.17	-0.13	-25.92
	Min. M_z	20	-3059.23	25.97	0.10
	Min. Torsion	36	-2.74	8.10	0.02

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	107.42	0.00	-0.00	-125.45	-0.27	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	128.90	-0.12	-25.86	-3197.86	15.95	0.95
0.9 Dead+1.0 Wind 0 deg - No Ice	96.68	-0.12	-25.86	-3115.84	15.83	0.92
1.2 Dead+1.0 Wind 30 deg - No Ice	128.90	12.90	-22.32	-2780.42	-1517.53	-0.24
0.9 Dead+1.0 Wind 30 deg - No Ice	96.68	12.90	-22.32	-2704.11	-1496.70	0.18
1.2 Dead+1.0 Wind 60 deg - No Ice	128.90	22.44	-12.81	-1659.56	-2642.85	-1.41
0.9 Dead+1.0 Wind 60 deg - No Ice	96.68	22.44	-12.81	-1598.56	-2606.64	-0.66
1.2 Dead+1.0 Wind 90 deg - No Ice	128.90	26.00	0.14	-134.45	-3062.94	-2.17
0.9 Dead+1.0 Wind 90 deg - No Ice	96.68	26.00	0.14	-94.30	-3020.98	-1.29
1.2 Dead+1.0 Wind 120 deg - No Ice	128.90	22.59	13.07	1388.10	-2662.17	-2.26
0.9 Dead+1.0 Wind 120 deg - No Ice	96.68	22.59	13.07	1407.45	-2625.68	-1.49
1.2 Dead+1.0 Wind 150 deg - No Ice	128.90	13.13	22.53	2500.40	-1548.50	-1.85
0.9 Dead+1.0 Wind 150 deg - No Ice	96.68	13.13	22.53	2504.55	-1527.23	-1.39
1.2 Dead+1.0 Wind 180 deg - No Ice	128.90	0.13	25.92	2899.17	-17.94	-0.95
0.9 Dead+1.0 Wind 180 deg - No Ice	96.68	0.13	25.92	2897.85	-17.59	-0.93
1.2 Dead+1.0 Wind 210 deg - No Ice	128.90	-12.89	22.37	2480.27	1515.61	0.14
0.9 Dead+1.0 Wind 210 deg - No Ice	96.68	-12.89	22.37	2484.69	1495.00	-0.28
1.2 Dead+1.0 Wind 240 deg - No Ice	128.90	-22.43	12.85	1357.80	2641.40	1.27
0.9 Dead+1.0 Wind 240 deg - No Ice	96.68	-22.43	12.85	1377.57	2605.40	0.52
1.2 Dead+1.0 Wind 270 deg - No Ice	128.90	-25.97	-0.10	-167.23	3059.23	1.99
0.9 Dead+1.0 Wind 270 deg - No Ice	96.68	-25.97	-0.10	-126.62	3017.52	1.11
1.2 Dead+1.0 Wind 300 deg - No Ice	128.90	-22.56	-13.02	-1688.45	2658.32	2.14

Load Combination	Vertical	$Shear_x$	$Shear_z$	Overturning Moment, M_x	Overturning Moment, M_z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
0.9 Dead+1.0 Wind 300 deg - No Ice	96.68	-22.56	-13.02	-1627.04	2622.10	1.37
1.2 Dead+1.0 Wind 330 deg - No Ice	128.90	-13.09	-22.46	-2798.83	1544.10	1.74
0.9 Dead+1.0 Wind 330 deg - No Ice	96.68	-13.09	-22.46	-2722.27	1523.10	1.28
1.2 Dead+1.0 Ice+1.0 Temp	284.29	0.00	-0.00	-507.10	3.43	0.03
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	284.29	-0.02	-8.06	-1482.42	6.99	0.13
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	284.29	4.03	-6.96	-1349.68	-483.88	-1.25
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	284.29	7.00	-4.01	-991.33	-843.81	-2.30
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	284.29	8.10	0.03	-503.13	-977.36	-2.71
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	284.29	7.03	4.06	-15.47	-848.06	-2.38
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	284.29	4.08	7.01	341.02	-490.64	-1.42
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	284.29	0.03	8.07	469.65	-0.43	-0.07
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	284.29	-4.03	6.97	336.59	490.42	1.29
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	284.29	-7.00	4.01	-22.11	850.50	2.33
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	284.29	-8.10	-0.02	-510.30	983.54	2.74
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	284.29	-7.03	-4.05	-997.65	854.20	2.41
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	284.29	-4.07	-6.99	-1353.72	496.69	1.46
Dead+Wind 0 deg - Service	107.42	-0.03	-6.09	-836.22	3.53	0.23
Dead+Wind 30 deg - Service	107.42	3.04	-5.26	-738.79	-354.37	0.02
Dead+Wind 60 deg - Service	107.42	5.29	-3.02	-477.20	-617.00	-0.21
Dead+Wind 90 deg - Service	107.42	6.12	0.03	-121.26	-715.04	-0.37
Dead+Wind 120 deg - Service	107.42	5.32	3.08	234.08	-621.49	-0.41
Dead+Wind 150 deg - Service	107.42	3.09	5.31	493.67	-361.58	-0.36
Dead+Wind 180 deg - Service	107.42	0.03	6.10	586.73	-4.38	-0.23
Dead+Wind 210 deg - Service	107.42	-3.03	5.27	488.97	353.52	-0.04
Dead+Wind 240 deg - Service	107.42	-5.28	3.03	227.01	616.26	0.18
Dead+Wind 270 deg - Service	107.42	-6.12	-0.02	-128.90	713.79	0.33
Dead+Wind 300 deg - Service	107.42	-5.31	-3.07	-483.94	620.23	0.38
Dead+Wind 330 deg - Service	107.42	-3.08	-5.29	-743.09	360.18	0.34

Solution Summary

	Sum of Applied Forces			Sum of Reactions			
Load Comb.	PX	PY	PZ	PX	PY	PZ	% Error
	K	K	K	K	K	K	
1	0.00	-107.42	0.00	-0.00	107.42	0.00	0.000%
2	-0.12	-128.90	-25.86	0.12	128.90	25.86	0.000%
3	-0.12	-96.68	-25.86	0.12	96.68	25.86	0.000%
4	12.90	-128.90	-22.32	-12.90	128.90	22.32	0.000%
5	12.90	-96.68	-22.32	-12.90	96.68	22.32	0.000%
6	22.44	-128.90	-12.81	-22.44	128.90	12.81	0.000%
7	22.44	-96.68	-12.81	-22.44	96.68	12.81	0.000%
8	26.00	-128.90	0.14	-26.00	128.90	-0.14	0.000%
9	26.00	-96.68	0.14	-26.00	96.68	-0.14	0.000%

Load Comb.	Sum of Applied Forces PX K	PY K	PZ K	Sum of Reactions PX K	PY K	PZ K	% Error
10	22.59	-128.90	13.07	-22.59	128.90	-13.07	0.000%
11	22.59	-96.68	13.07	-22.59	96.68	-13.07	0.000%
12	13.13	-128.90	22.53	-13.13	128.90	-22.53	0.000%
13	13.13	-96.68	22.53	-13.13	96.68	-22.53	0.000%
14	0.13	-128.90	25.92	-0.13	128.90	-25.92	0.000%
15	0.13	-96.68	25.92	-0.13	96.68	-25.92	0.000%
16	-12.89	-128.90	22.37	12.89	128.90	-22.37	0.000%
17	-12.89	-96.68	22.37	12.89	96.68	-22.37	0.000%
18	-22.43	-128.90	12.85	22.43	128.90	-12.85	0.000%
19	-22.43	-96.68	12.85	22.43	96.68	-12.85	0.000%
20	-25.97	-128.90	-0.10	25.97	128.90	0.10	0.000%
21	-25.97	-96.68	-0.10	25.97	96.68	0.10	0.000%
22	-22.56	-128.90	-13.02	22.56	128.90	13.02	0.000%
23	-22.56	-96.68	-13.02	22.56	96.68	13.02	0.000%
24	-13.09	-128.90	-22.46	13.09	128.90	22.46	0.000%
25	-13.09	-96.68	-22.46	13.09	96.68	22.46	0.000%
26	0.00	-284.29	0.00	0.00	284.29	0.00	0.000%
27	-0.02	-284.29	-8.06	0.02	284.29	8.06	0.000%
28	4.03	-284.29	-6.96	-4.03	284.29	6.96	0.000%
29	7.00	-284.29	-4.01	-7.00	284.29	4.01	0.000%
30	8.10	-284.29	0.03	-8.10	284.29	-0.03	0.000%
31	7.03	-284.29	4.06	-7.03	284.29	-4.06	0.000%
32	4.08	-284.29	7.01	-4.08	284.29	-7.01	0.000%
33	0.03	-284.29	8.07	-0.03	284.29	-8.07	0.000%
34	-4.03	-284.29	6.97	4.03	284.29	-6.97	0.000%
35	-7.00	-284.29	4.01	7.00	284.29	-4.01	0.000%
36	-8.10	-284.29	-0.02	8.10	284.29	0.02	0.000%
37	-7.03	-284.29	-4.05	7.03	284.29	4.05	0.000%
38	-4.07	-284.29	-6.99	4.07	284.29	6.99	0.000%
39	-0.03	-107.42	-6.09	0.03	107.42	6.09	0.000%
40	3.04	-107.42	-5.26	-3.04	107.42	5.26	0.000%
41	5.29	-107.42	-3.02	-5.29	107.42	3.02	0.000%
42	6.12	-107.42	0.03	-6.12	107.42	-0.03	0.000%
43	5.32	-107.42	3.08	-5.32	107.42	-3.08	0.000%
44	3.09	-107.42	5.31	-3.09	107.42	-5.31	0.000%
45	0.03	-107.42	6.10	-0.03	107.42	-6.10	0.000%
46	-3.03	-107.42	5.27	3.03	107.42	-5.27	0.000%
47	-5.28	-107.42	3.03	5.28	107.42	-3.03	0.000%
48	-6.12	-107.42	-0.02	6.12	107.42	0.02	0.000%
49	-5.31	-107.42	-3.07	5.31	107.42	3.07	0.000%
50	-3.08	-107.42	-5.29	3.08	107.42	5.29	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00006368
2	Yes	5	0.00000001	0.00009498
3	Yes	4	0.00000001	0.00089593
4	Yes	5	0.00000001	0.00053489
5	Yes	5	0.00000001	0.00027525
6	Yes	5	0.00000001	0.00055788
7	Yes	5	0.00000001	0.00027752
8	Yes	5	0.00000001	0.00014460
9	Yes	5	0.00000001	0.00005400
10	Yes	5	0.00000001	0.00037593
11	Yes	5	0.00000001	0.00021115
12	Yes	5	0.00000001	0.00043556
13	Yes	5	0.00000001	0.00023453
14	Yes	5	0.00000001	0.00008571
15	Yes	4	0.00000001	0.00085908
16	Yes	5	0.00000001	0.00039701
17	Yes	5	0.00000001	0.00021321
18	Yes	5	0.00000001	0.00037513
19	Yes	5	0.00000001	0.00021161
20	Yes	5	0.00000001	0.00014982

21	Yes	5	0.00000001	0.00005655
22	Yes	5	0.00000001	0.00058316
23	Yes	5	0.00000001	0.00029115
24	Yes	5	0.00000001	0.00052300
25	Yes	5	0.00000001	0.00026836
26	Yes	6	0.00000001	0.00014239
27	Yes	6	0.00000001	0.00032599
28	Yes	6	0.00000001	0.00032767
29	Yes	6	0.00000001	0.00030901
30	Yes	6	0.00000001	0.00024941
31	Yes	6	0.00000001	0.00017072
32	Yes	5	0.00000001	0.00067427
33	Yes	5	0.00000001	0.00029840
34	Yes	5	0.00000001	0.00066379
35	Yes	6	0.00000001	0.00017039
36	Yes	6	0.00000001	0.00025040
37	Yes	6	0.00000001	0.00031076
38	Yes	6	0.00000001	0.00032899
39	Yes	4	0.00000001	0.00030284
40	Yes	4	0.00000001	0.00037735
41	Yes	4	0.00000001	0.00038274
42	Yes	4	0.00000001	0.00027304
43	Yes	4	0.00000001	0.00022840
44	Yes	4	0.00000001	0.00022202
45	Yes	4	0.00000001	0.00017604
46	Yes	4	0.00000001	0.00021399
47	Yes	4	0.00000001	0.00022509
48	Yes	4	0.00000001	0.00027279
49	Yes	4	0.00000001	0.00038845
50	Yes	4	0.00000001	0.00037024

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 140	10.413	39	0.5056	0.0002
L2	140 - 120	8.310	39	0.4942	0.0005
L3	120 - 100	6.294	39	0.4629	0.0004
L4	100 - 80	4.443	39	0.4162	0.0003
L5	80 - 60	2.869	39	0.3314	0.0002
L6	60 - 40	1.641	39	0.2515	0.0002
L7	40 - 20	0.740	39	0.1765	0.0001
L8	20 - 0	0.185	39	0.0859	0.0001

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
160.00	OA40-41	39	10.413	0.5056	0.0002	209109
152.00	APXVSPP18-C-A20 w/ Mount Pipe	39	9.567	0.5027	0.0003	130693
148.00	PCS 1900MHz 4x45W-65MHz	39	9.145	0.5007	0.0004	87129
140.00	GPS_A	39	8.310	0.4942	0.0005	52993
130.00	7770.00 w/ Mount Pipe	39	7.286	0.4804	0.0004	34413
120.00	APXV18-206517-C	39	6.294	0.4629	0.0004	25670
100.00	MPRC2449	39	4.443	0.4162	0.0003	16987
79.00	GPS_A	39	2.799	0.3270	0.0003	13176

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	160 - 140	38.016	2	1.8599	0.0022
L2	140 - 120	30.289	2	1.8110	0.0024
L3	120 - 100	22.939	2	1.6754	0.0025
L4	100 - 80	16.300	2	1.4749	0.0023
L5	80 - 60	10.652	2	1.2049	0.0017
L6	60 - 40	6.151	2	0.9310	0.0013
L7	40 - 20	2.793	2	0.6616	0.0009
L8	20 - 0	0.702	2	0.3258	0.0004

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
160.00	OA40-41	2	38.016	1.8599	0.0022	50151
152.00	APXVSPP18-C-A20 w/ Mount Pipe	2	34.904	1.8470	0.0023	31344
148.00	PCS 1900MHz 4x45W-65MHz	2	33.355	1.8382	0.0023	20896
140.00	GPS_A	2	30.289	1.8110	0.0024	12602
130.00	7770.00 w/ Mount Pipe	2	26.545	1.7534	0.0025	8396
120.00	APXV18-206517-C	2	22.939	1.6754	0.0025	6357
100.00	MPRC2449	2	16.300	1.4749	0.0023	4776
79.00	GPS_A	2	10.400	1.1908	0.0017	4079

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	160 - 140 (1)	P36x0.375	20.00	0.00	0.0	41.9697	-13.36	1490.10	0.009
L2	140 - 120 (2)	P42x0.375	20.00	0.00	0.0	49.0383	-24.18	1668.87	0.014
L3	120 - 100 (3)	P48x0.375	20.00	0.00	0.0	56.1069	-30.02	1847.49	0.016
L4	100 - 80 (4)	P54x0.375	20.00	0.00	0.0	63.1755	-94.23	2026.00	0.047
L5	80 - 60 (5)	P60x0.375	20.00	0.00	0.0	70.2440	-100.99	2204.43	0.046
L6	60 - 40 (6)	P60x0.5	20.00	0.00	0.0	93.4624	-109.63	3125.69	0.035
L7	40 - 20 (7)	P60x0.5	20.00	0.00	0.0	93.4624	-118.32	3125.69	0.038
L8	20 - 0 (8)	P60x0.625	20.00	0.00	0.0	116.5830	-128.90	4139.15	0.031

Pole Bending Design Data

Section No.	Elevation ft	Size	M_{ux} kip-ft	ϕM_{nx} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy} kip-ft	ϕM_{ny} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
L1	160 - 140 (1)	P36x0.375	131.35	1338.81	0.098	0.00	1338.81	0.000
L2	140 - 120 (2)	P42x0.375	401.75	1796.56	0.224	0.00	1796.56	0.000
L3	120 - 100 (3)	P48x0.375	737.96	2321.11	0.318	0.00	2321.11	0.000
L4	100 - 80 (4)	P54x0.375	1284.78	2912.46	0.441	0.00	2912.46	0.000
L5	80 - 60 (5)	P60x0.375	1725.95	3570.61	0.483	0.00	3570.61	0.000
L6	60 - 40 (6)	P60x0.5	2196.07	4860.41	0.452	0.00	4860.41	0.000
L7	40 - 20 (7)	P60x0.5	2688.50	4860.41	0.553	0.00	4860.41	0.000
L8	20 - 0 (8)	P60x0.625	3197.90	6198.18	0.516	0.00	6198.18	0.000

Pole Shear Design Data

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	160 - 140 (1)	P36x0.375	8.41	454.19	0.019	1.31	1094.28	0.001
L2	140 - 120 (2)	P42x0.375	15.57	421.13	0.037	0.71	1185.51	0.001
L3	120 - 100 (3)	P48x0.375	17.70	430.23	0.041	0.71	1384.85	0.001
L4	100 - 80 (4)	P54x0.375	21.25	443.48	0.048	1.14	1607.33	0.001
L5	80 - 60 (5)	P60x0.375	22.84	455.63	0.050	0.95	1836.15	0.001
L6	60 - 40 (6)	P60x0.5	24.18	868.59	0.028	0.95	3492.99	0.000
L7	40 - 20 (7)	P60x0.5	25.07	868.59	0.029	0.95	3492.99	0.000
L8	20 - 0 (8)	P60x0.625	25.88	1322.05	0.020	0.95	5746.70	0.000

Pole Interaction Design Data

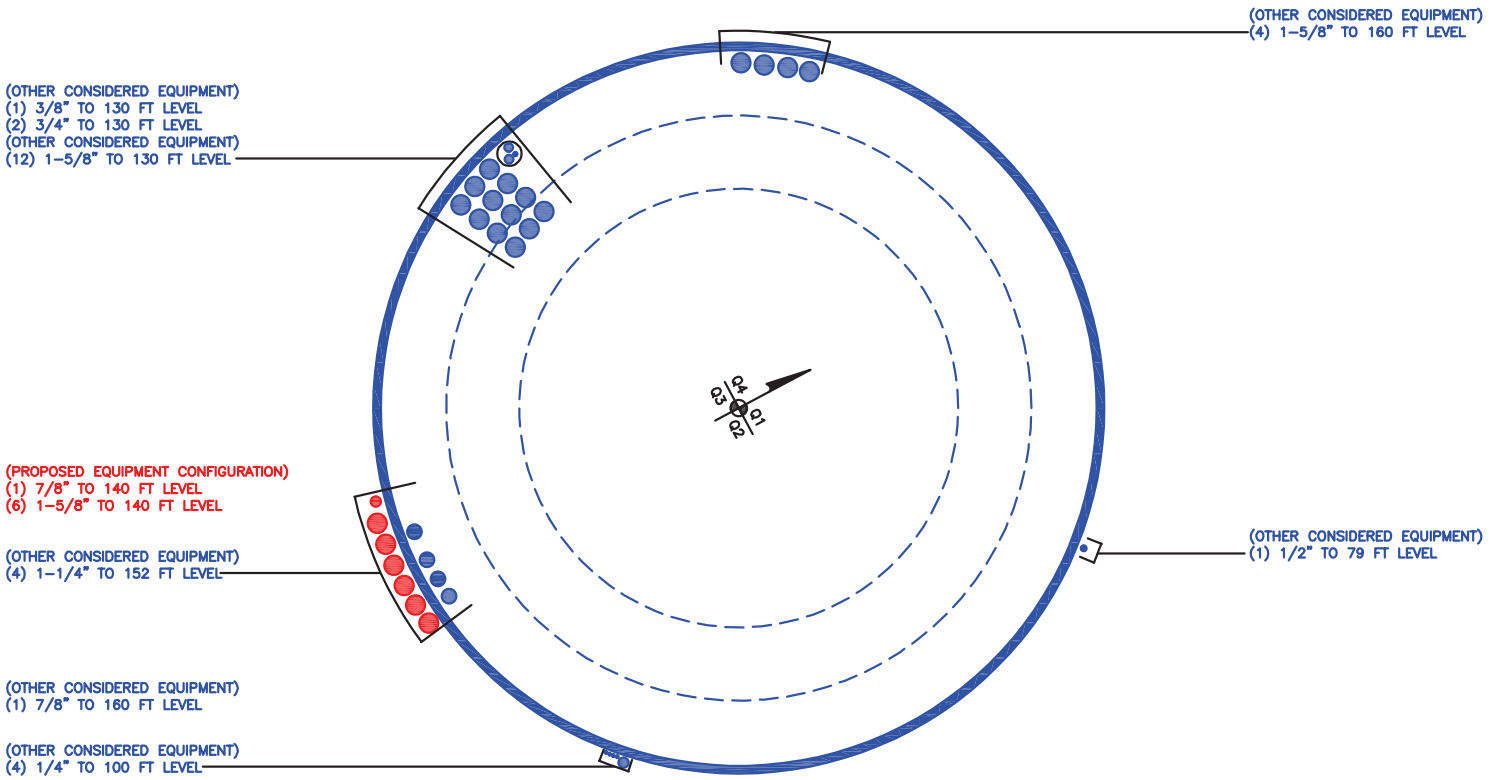
Section No.	Elevation ft	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	Ratio $\frac{M_{uy}}{\phi M_{ny}}$	Ratio $\frac{V_u}{\phi V_n}$	Ratio $\frac{T_u}{\phi T_n}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	160 - 140 (1)	0.009	0.098	0.000	0.019	0.001	0.107	1.050	4.8.2
L2	140 - 120 (2)	0.014	0.224	0.000	0.037	0.001	0.240	1.050	4.8.2
L3	120 - 100 (3)	0.016	0.318	0.000	0.041	0.001	0.336	1.050	4.8.2
L4	100 - 80 (4)	0.047	0.441	0.000	0.048	0.001	0.490	1.050	4.8.2
L5	80 - 60 (5)	0.046	0.483	0.000	0.050	0.001	0.532	1.050	4.8.2
L6	60 - 40 (6)	0.035	0.452	0.000	0.028	0.000	0.488	1.050	4.8.2
L7	40 - 20 (7)	0.038	0.553	0.000	0.029	0.000	0.592	1.050	4.8.2
L8	20 - 0 (8)	0.031	0.516	0.000	0.020	0.000	0.547	1.050	4.8.2

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	160 - 140	Pole	P36x0.375	1	-13.36	1564.60	10.2	Pass
L2	140 - 120	Pole	P42x0.375	2	-24.18	1752.31	22.8	Pass
L3	120 - 100	Pole	P48x0.375	3	-30.02	1939.86	32.0	Pass
L4	100 - 80	Pole	P54x0.375	4	-94.23	2127.30	46.7	Pass
L5	80 - 60	Pole	P60x0.375	5	-100.99	2314.65	50.6	Pass
L6	60 - 40	Pole	P60x0.5	6	-109.63	3281.97	46.4	Pass
L7	40 - 20	Pole	P60x0.5	7	-118.32	3281.97	56.4	Pass
L8	20 - 0	Pole	P60x0.625	8	-128.90	4346.11	52.1	Pass
							Summary	
						Pole (L7)	56.4	Pass
						RATING =	**56.4**	**Pass**

APPENDIX B

BASE LEVEL DRAWING



BUSINESS UNIT: 828540 TOWER ID:C_BASELEVEL

APPENDIX C

ADDITIONAL CALCULATIONS

Monopole Flange Plate Connection

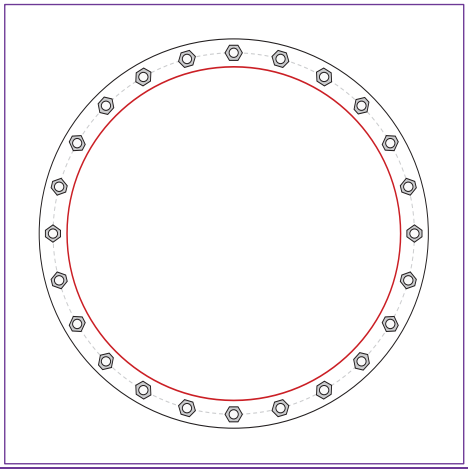
Elevation = 140 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

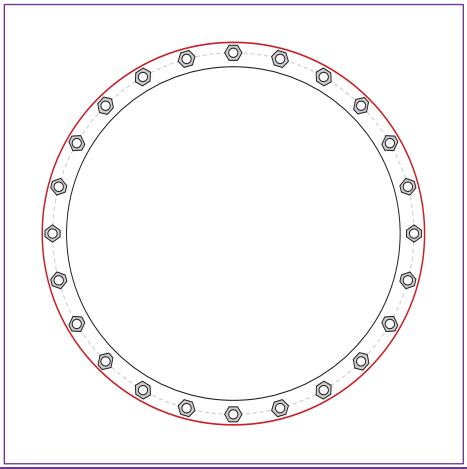
Applied Loads	
Moment (kip-ft)	131.35
Axial Force (kips)	13.36
Shear Force (kips)	8.41

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(24) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 39" BC

Top Plate Data

42" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

36" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

36" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	6.18	
Allowable (kips)	54.54	
Stress Rating:	**10.8%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

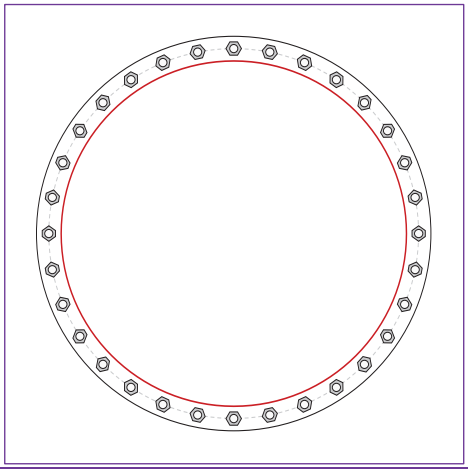
Elevation = 120 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

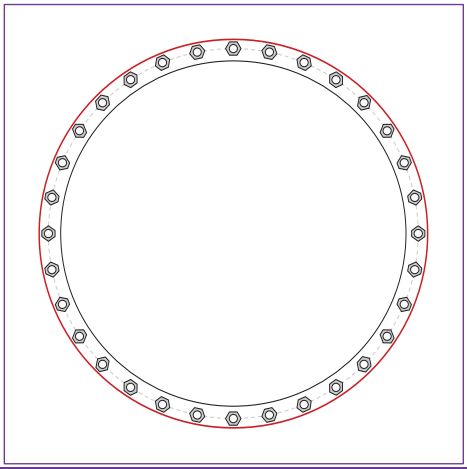
Applied Loads	
Moment (kip-ft)	401.75
Axial Force (kips)	24.18
Shear Force (kips)	15.57

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(32) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 45" BC

Top Plate Data

48" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

42" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

42" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	12.63	
Allowable (kips)	54.53	
Stress Rating:	**22.1%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

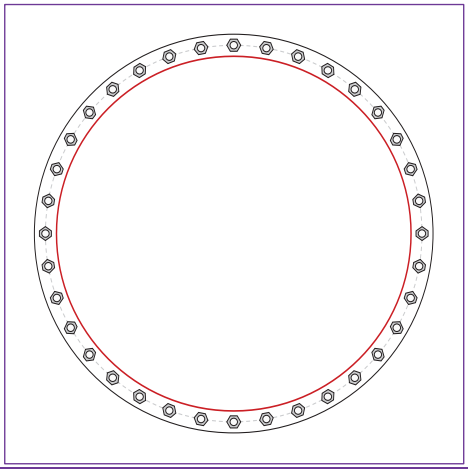
Elevation = 100 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

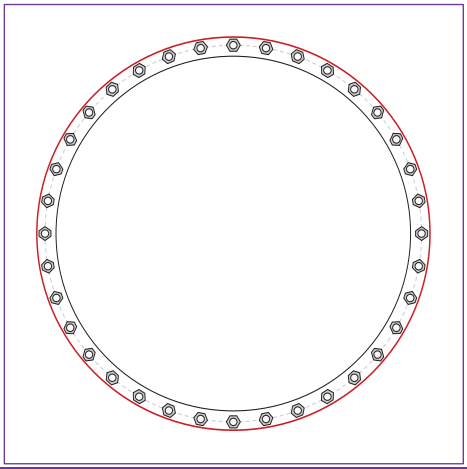
Applied Loads	
Moment (kip-ft)	737.96
Axial Force (kips)	30.02
Shear Force (kips)	17.70

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(36) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 51" BC

Top Plate Data

54" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

48" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

48" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	18.46	
Allowable (kips)	54.53	
Stress Rating:	**32.2%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

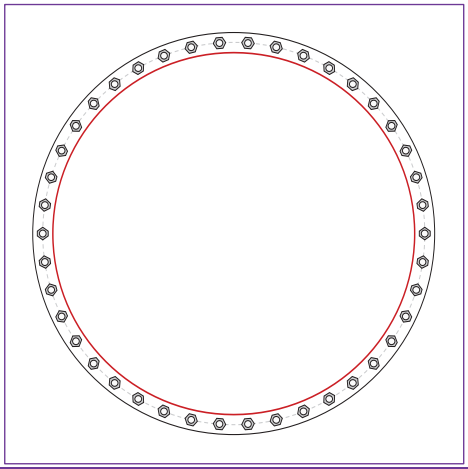
Elevation = 80 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

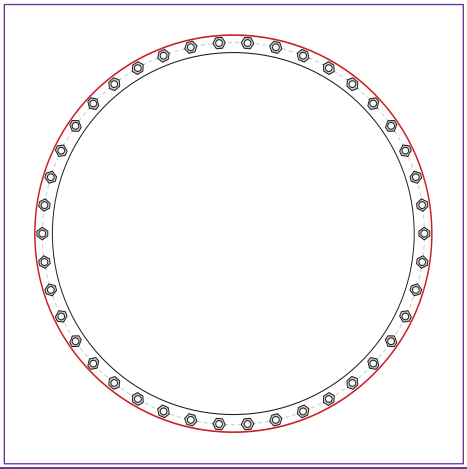
Applied Loads	
Moment (kip-ft)	1284.79
Axial Force (kips)	94.23
Shear Force (kips)	21.25

**TIA-222-H Section 15.5 Applied*

Top Plate - External



Bottom Plate - Internal



Connection Properties

Bolt Data

(42) 1" ø bolts (A325 N; Fy=92 ksi, Fu=120 ksi) on 57" BC

Top Plate Data

60" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data

54" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data

N/A

Bottom Stiffener Data

N/A

Top Pole Data

54" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data

60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	23.51	
Allowable (kips)	54.53	
Stress Rating:	**41.1%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Monopole Flange Plate Connection

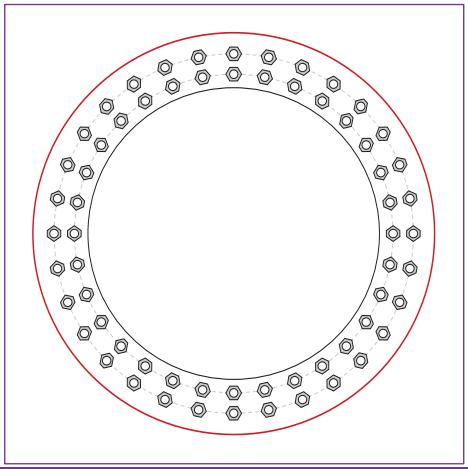
Elevation = 60 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

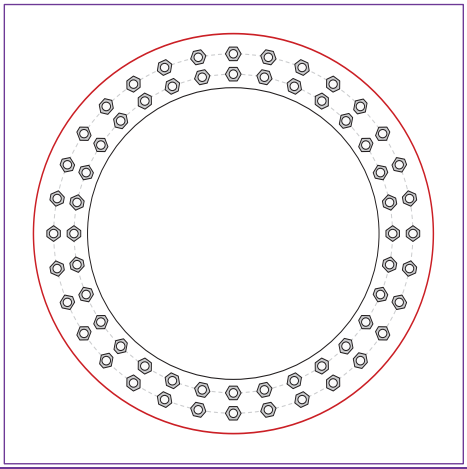
Applied Loads	
Moment (kip-ft)	1725.95
Axial Force (kips)	100.99
Shear Force (kips)	22.84

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data
N/A

Bottom Stiffener Data
N/A

Top Pole Data
60" x 0.375" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data
60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	25.76	
Allowable (kips)	87.21	
Stress Rating:	**28.1%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

CCIplate

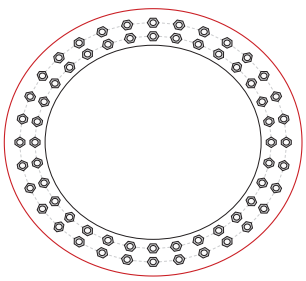
Elevation (ft)	60	*(Flange)*

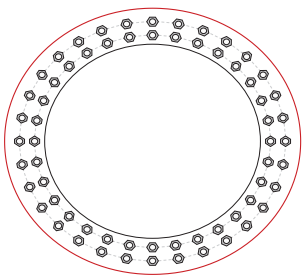
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	I_w (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

Plot Graphic





Monopole Flange Plate Connection

Elevation = 40 ft.

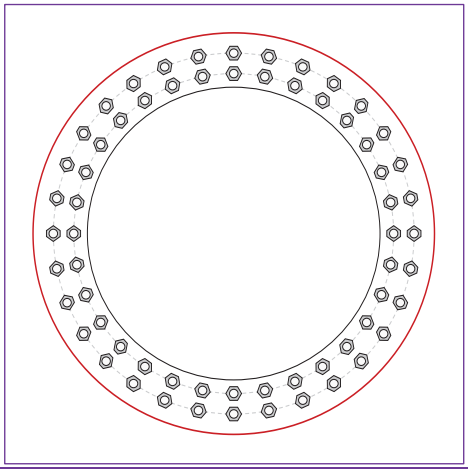
BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1

TIA-222 Revision	H

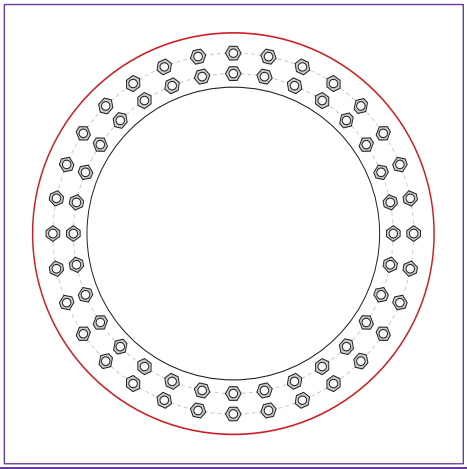
Applied Loads	
Moment (kip-ft)	2196.06
Axial Force (kips)	109.63
Shear Force (kips)	24.18

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data
N/A

Bottom Stiffener Data
N/A

Top Pole Data
60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data
60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	43.75	
Allowable (kips)	87.21	
Stress Rating:	**47.8%**	Pass

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

CCIplate

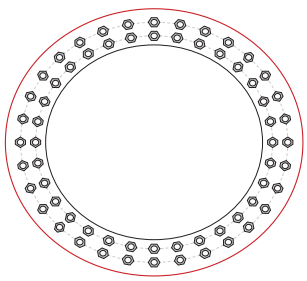
Elevation (ft)	40	*(Flange)*

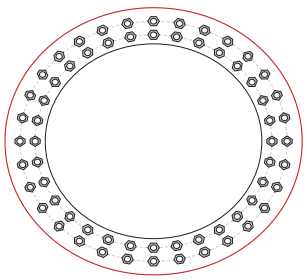
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	l_w (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

Plot Graphic





Monopole Flange Plate Connection

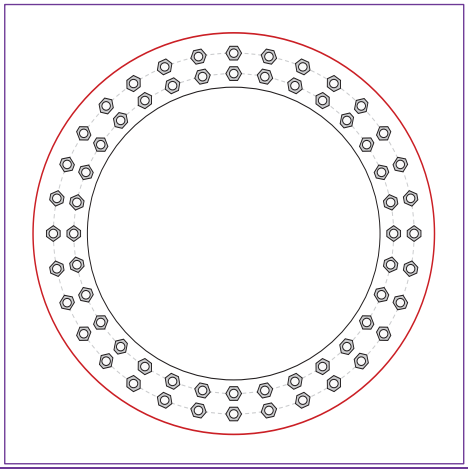
Elevation = 20 ft.

BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1
TIA-222 Revision	H

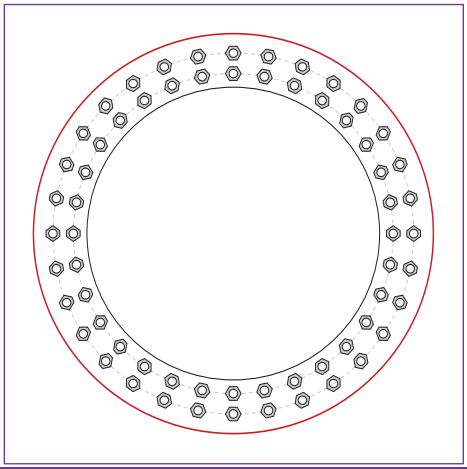
Applied Loads	
Moment (kip-ft)	2688.50
Axial Force (kips)	118.32
Shear Force (kips)	25.07

**TIA-222-H Section 15.5 Applied*

Top Plate - Internal



Bottom Plate - Internal



Connection Properties

Bolt Data

GROUP 1: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 53" BC
GROUP 2: (32) 1-1/4" ø bolts (A325 N; Fy=81 ksi, Fu=120 ksi) on 47" BC

Top Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Bottom Plate Data
43" ID x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Top Stiffener Data
N/A

Bottom Stiffener Data
N/A

Top Pole Data
60" x 0.5" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Bottom Pole Data
60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Bolt Capacity

Max Load (kips)	64.41	
Allowable (kips)	87.21	
Stress Rating:	**70.3%**	**Pass**

Top Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

Bottom Plate Capacity

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**
Tension Side Stress Rating:	**Pirod OK**

CCIplate

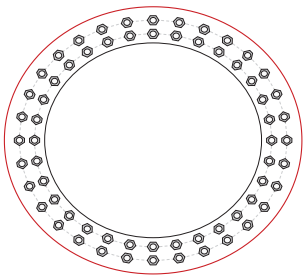
Elevation (ft)	20	*(Flange)*

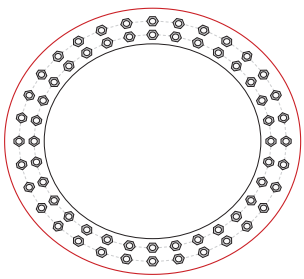
Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending
1	Yes	Yes	Yes
2	Yes	Yes	Yes

Custom Bolt Connection

Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η:	I_w (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	1.25	A325	53	0.5	0	N-Included		No
2	1	11.25	1.25	A325	53	0.5	0	N-Included		No
3	1	22.5	1.25	A325	53	0.5	0	N-Included		No
4	1	33.75	1.25	A325	53	0.5	0	N-Included		No
5	1	45	1.25	A325	53	0.5	0	N-Included		No
6	1	56.25	1.25	A325	53	0.5	0	N-Included		No
7	1	67.5	1.25	A325	53	0.5	0	N-Included		No
8	1	78.75	1.25	A325	53	0.5	0	N-Included		No
9	1	90	1.25	A325	53	0.5	0	N-Included		No
10	1	101.25	1.25	A325	53	0.5	0	N-Included		No
11	1	112.5	1.25	A325	53	0.5	0	N-Included		No
12	1	123.75	1.25	A325	53	0.5	0	N-Included		No
13	1	135	1.25	A325	53	0.5	0	N-Included		No
14	1	146.25	1.25	A325	53	0.5	0	N-Included		No
15	1	157.5	1.25	A325	53	0.5	0	N-Included		No
16	1	168.75	1.25	A325	53	0.5	0	N-Included		No
17	1	180	1.25	A325	53	0.5	0	N-Included		No
18	1	191.25	1.25	A325	53	0.5	0	N-Included		No
19	1	202.5	1.25	A325	53	0.5	0	N-Included		No
20	1	213.75	1.25	A325	53	0.5	0	N-Included		No
21	1	225	1.25	A325	53	0.5	0	N-Included		No
22	1	236.25	1.25	A325	53	0.5	0	N-Included		No
23	1	247.5	1.25	A325	53	0.5	0	N-Included		No
24	1	258.75	1.25	A325	53	0.5	0	N-Included		No
25	1	270	1.25	A325	53	0.5	0	N-Included		No
26	1	281.25	1.25	A325	53	0.5	0	N-Included		No
27	1	292.5	1.25	A325	53	0.5	0	N-Included		No
28	1	303.75	1.25	A325	53	0.5	0	N-Included		No
29	1	315	1.25	A325	53	0.5	0	N-Included		No
30	1	326.25	1.25	A325	53	0.5	0	N-Included		No
31	1	337.5	1.25	A325	53	0.5	0	N-Included		No
32	1	348.75	1.25	A325	53	0.5	0	N-Included		No
33	2	0	1.25	A325	47	0.5	0	N-Included		No
34	2	11.25	1.25	A325	47	0.5	0	N-Included		No
35	2	22.5	1.25	A325	47	0.5	0	N-Included		No
36	2	33.75	1.25	A325	47	0.5	0	N-Included		No
37	2	45	1.25	A325	47	0.5	0	N-Included		No
38	2	56.25	1.25	A325	47	0.5	0	N-Included		No
39	2	67.5	1.25	A325	47	0.5	0	N-Included		No
40	2	78.75	1.25	A325	47	0.5	0	N-Included		No
41	2	90	1.25	A325	47	0.5	0	N-Included		No
42	2	101.25	1.25	A325	47	0.5	0	N-Included		No
43	2	112.5	1.25	A325	47	0.5	0	N-Included		No
44	2	123.75	1.25	A325	47	0.5	0	N-Included		No
45	2	135	1.25	A325	47	0.5	0	N-Included		No
46	2	146.25	1.25	A325	47	0.5	0	N-Included		No
47	2	157.5	1.25	A325	47	0.5	0	N-Included		No
48	2	168.75	1.25	A325	47	0.5	0	N-Included		No
49	2	180	1.25	A325	47	0.5	0	N-Included		No
50	2	191.25	1.25	A325	47	0.5	0	N-Included		No
51	2	202.5	1.25	A325	47	0.5	0	N-Included		No
52	2	213.75	1.25	A325	47	0.5	0	N-Included		No
53	2	225	1.25	A325	47	0.5	0	N-Included		No
54	2	236.25	1.25	A325	47	0.5	0	N-Included		No
55	2	247.5	1.25	A325	47	0.5	0	N-Included		No
56	2	258.75	1.25	A325	47	0.5	0	N-Included		No
57	2	270	1.25	A325	47	0.5	0	N-Included		No
58	2	281.25	1.25	A325	47	0.5	0	N-Included		No
59	2	292.5	1.25	A325	47	0.5	0	N-Included		No
60	2	303.75	1.25	A325	47	0.5	0	N-Included		No
61	2	315	1.25	A325	47	0.5	0	N-Included		No
62	2	326.25	1.25	A325	47	0.5	0	N-Included		No
63	2	337.5	1.25	A325	47	0.5	0	N-Included		No
64	2	348.75	1.25	A325	47	0.5	0	N-Included		No

Plot Graphic





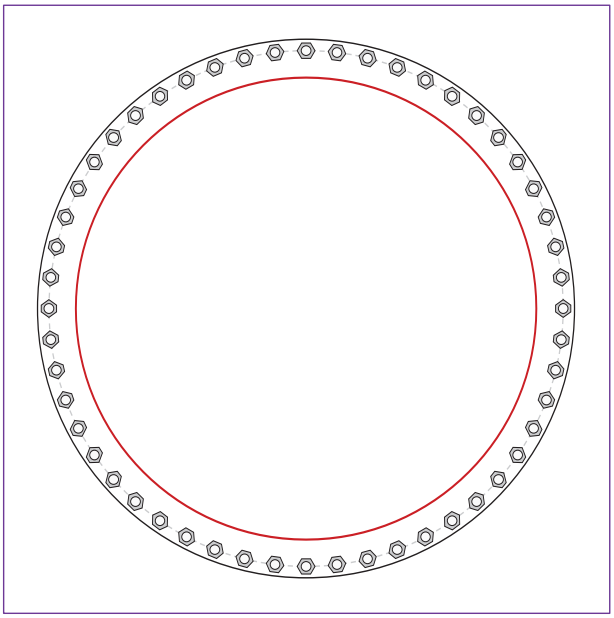
Monopole Base Plate Connection

Site Info	
BU #	828540
Site Name	Torrington/RT 8
Order #	568283 Rev. 1

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
l_{ar} (in)	1.375

Applied Loads	
Moment (kip-ft)	3197.90
Axial Force (kips)	128.90
Shear Force (kips)	25.88

**TIA-222-H Section 15.5 Applied*



Connection Properties

Anchor Rod Data

(52) 1-1/4" ø bolts (A687 N; Fy=105 ksi, Fu=125 ksi) on 67" BC

Base Plate Data

70" OD x 1.25" Plate (A36; Fy=36 ksi, Fu=58 ksi)

Stiffener Data

N/A

Pole Data

60" x 0.625" round pole (A53-B-42; Fy=42 ksi, Fu=63 ksi)

Analysis Results

Anchor Rod Summary *(units of kips, kip-in)*

Pu_t = 41.57	ϕPn_t = 90.84	**Stress Rating**
Vu = 0.5	ϕVn = 57.52	**43.6%**
Mu = 0.44	ϕMn = 30.76	**Pass**

Base Plate Summary

Max Stress (ksi):	-
Allowable Stress (ksi):	-
Stress Rating:	**Pirod OK**

Pier and Pad Foundation

BU # :	828540
Site Name:	Torrington/RT 8
App. Number:	568283 Rev. 1

TIA-222 Revision:	H
Tower Type:	Monopole

Top & Bot. Pad Rein. Different?:	☐
Block Foundation?:	☐
Rectangular Pad?:	☐

Superstructure Analysis Reactions		
Compression, P_{comp}:	128.9	kips
Base Shear, Vu_comp:	25.86	kips
Moment, M_u:	3197.9	ft-kips
Tower Height, **H**:	160	ft
BP Dist. Above Fdn, bp_{dist}:	2.625	in

Pier Properties		
Pier Shape:	Circular	
Pier Diameter, **dpier**:	7	ft
Ext. Above Grade, **E**:	2.5	ft
Pier Rebar Size, **Sc**:	9	
Pier Rebar Quantity, **mc**:	42	
Pier Tie/Spiral Size, **St**:	4	
Pier Tie/Spiral Quantity, **mt**:	8	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier}:	3	in

Pad Properties		
Depth, **D**:	5	ft
Pad Width, W_1:	28	ft
Pad Thickness, **T**:	3	ft
Pad Rebar Size (Bottom dir. 2), Sp_2:	7	
Pad Rebar Quantity (Bottom dir. 2), mp_2:	45	
Pad Clear Cover, cc_{pad}:	3	in

Material Properties		
Rebar Grade, **Fy**:	60	ksi
Concrete Compressive Strength, **F'c**:	4	ksi
Dry Concrete Density, δ**c**:	150	pcf

Soil Properties		
Total Soil Unit Weight, γ:	125	pcf
Ultimate Gross Bearing, Qult:	16.000	ksf
Cohesion, **Cu**:	0.000	ksf
Friction Angle, φ:	30	degrees
SPT Blow Count, N_{blows}:	50	
Base Friction, μ:	0.5	
Neglected Depth, **N**:	3.50	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, **gw**:	N/A	ft

<--Toggle between Gross and Net

Foundation Analysis Checks	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	277.20	25.86	**8.9%**	**Pass**
Bearing Pressure (ksf)	12.00	1.68	**13.4%**	**Pass**
*Overturning (kip*ft)*	7942.86	3397.51	**42.8%**	**Pass**
*Pier Flexure (Comp.) (kip*ft)*	6881.16	3314.27	**45.9%**	**Pass**
Pier Compression (kip)	24494.62	160.07	**0.6%**	**Pass**
*Pad Flexure (kip*ft)*	3763.88	1367.41	**34.6%**	**Pass**
Pad Shear - 1-way (kips)	1010.06	188.68	**17.8%**	**Pass**
Pad Shear - 2-way (Comp) (ksi)	0.190	0.041	**20.4%**	**Pass**
*Flexural 2-way (Comp) (kip*ft)*	4294.03	1988.56	**44.1%**	**Pass**

**Rating per TIA-222-H Section 15.5*

Soil Rating*:	**42.8%**
Structural Rating*:	**45.9%**

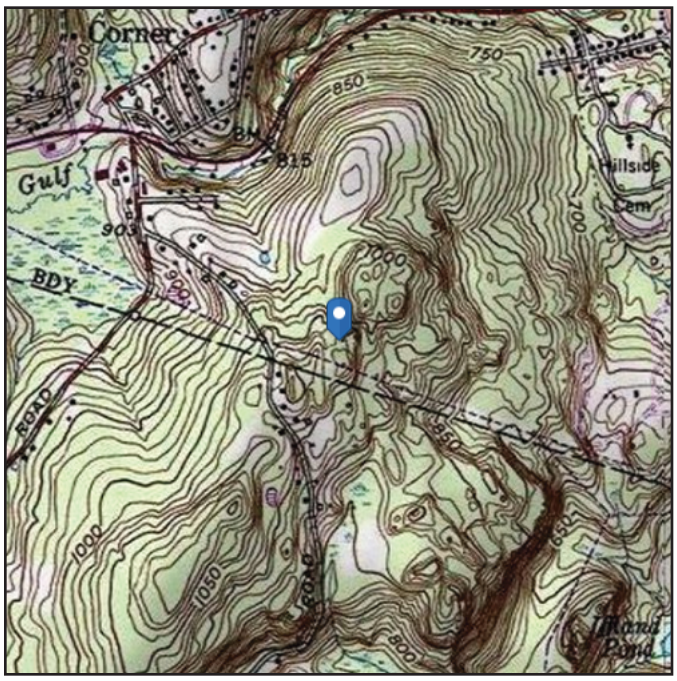
Version 4.0.1

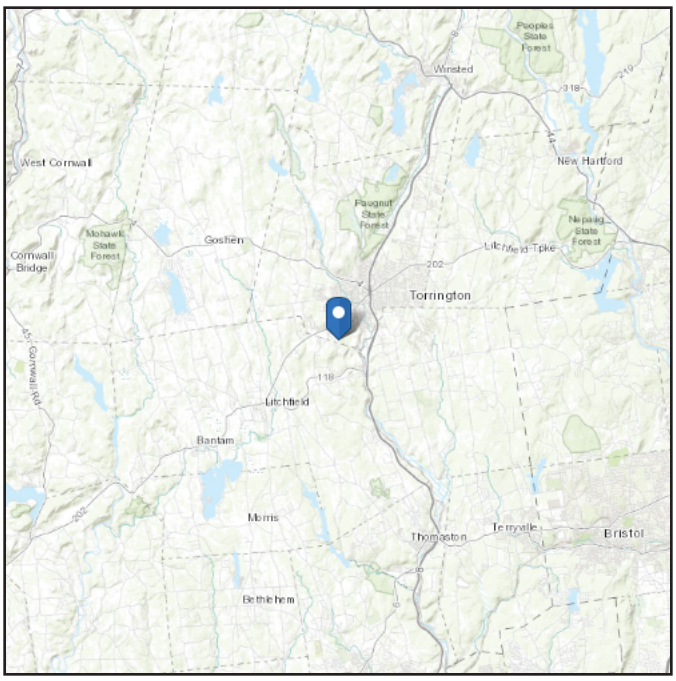
ASCE 7 Hazards Report

Address:
No Address at This Location

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

Elevation: 1026.6 ft (NAVD 88)
Latitude: 41.780647
Longitude: -73.136117





Wind

Results:

Wind Speed:	116 Vmph	Use 120 mph per city of Torrington jurisdiction
10-year MRI	76 Vmph	
25-year MRI	85 Vmph	
50-year MRI	90 Vmph	
100-year MRI	96 Vmph	

Data Accessed: Thu May 20 2021

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

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-10 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years).

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

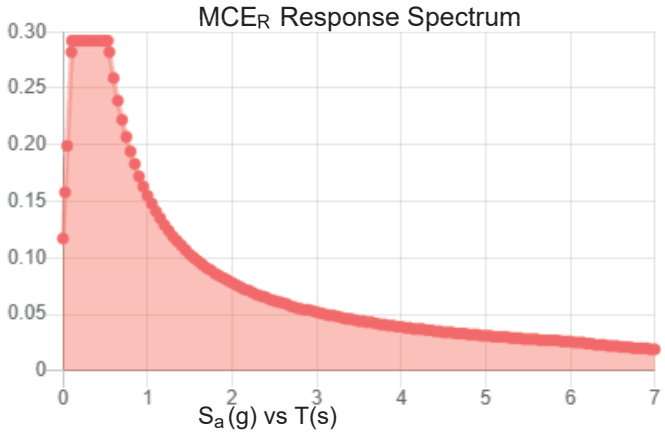
Seismic

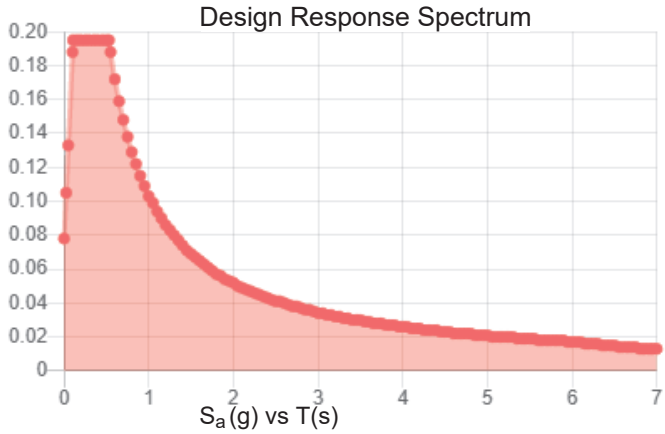
Site Soil Class: D - Stiff Soil

Results:

S_S :	0.183	S_{DS} :	0.195
S_1 :	0.065	S_{D1} :	0.103
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.092
S_{MS} :	0.292	PGA_M :	0.148
S_{M1} :	0.155	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B





Data Accessed: Thu May 20 2021

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

Ice

Results:

Ice Thickness:	0.75 in.	Design Ice: 2*0.75 in. = 1.5 in.
Concurrent Temperature:	5 F	
Gust Speed:	50 mph	

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

Date Accessed: Thu May 20 2021

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

Values provided are equivalent radial ice thicknesses due to freezing rain with concurrent 3-second gust speeds, for a 50-year mean recurrence interval, and temperatures concurrent with ice thicknesses due to freezing rain. Thicknesses for ice accretions caused by other sources shall be obtained from local meteorological studies. Ice thicknesses in exposed locations at elevations higher than the surrounding terrain and in valleys and gorges may exceed the mapped values.

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