



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

November 2, 2021

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

RE: Exempt Modification Application
2365 Long Hill Road, Guilford, CT 06437
Latitude: 41.346477
Longitude: -72.723111
Site #: 876381_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 2365 Long Hill Road, Guilford, CT 06437. Verizon Wireless currently maintains twelve (12) antennas at the 145-foot level of the existing 176-foot tower. The property is owned by the James & Janice Ward Family Trusts and the tower is owned by Crown Castle. Verizon now intends to replace nine (9) antennas. The new antennas would be installed at the 145-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable. Antenna mount modifications will be completed as per the attached Maser mount analysis dated May 5, 2021.

Verizon Planned Modifications:

Remove: None

Remove and Replace:

- (3) BXA-70063-6CF Antennas (REMOVE) – (3) MT6407-77A Antennas (REPLACE)
- (6) BXA-171063-12CF Antennas (REMOVE) – (6) JAHH-65B-R3B Antennas (REPLACE)
- (3) Nokia B13 RRH (REMOVE) - (3) Samsung B2/B66A RRH-BR049 (RFV01U-D1A) (REPLACE)
- (1) Raycap (REMOVE) – (1) Raycap RVZDC-6627-PF-48 (REPLACE)

Install New:

- (3) Samsung B5/B13A RRH-BR04C (RFV01U-D2A)
- (3) COMMSCOPE Diplexers

Existing to Remain:

- (3) ANTEL Antennas
- (11) 1-5/8" Coax
- (2) Hybrid Lines

The facility was approved by the CT Siting Council, Docket No. 238 on May 6, 2003. Please see attached.



NORTHEAST
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Turnkey Wireless Development

Please accept this letter as notification pursuant to Regulations of Connecticut State Agencies § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Matthew T. Hoey III, First Selectman, and George Kral, Town Planner for the Town of Guilford. A copy is also being sent to the tower owner and 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 Wireless 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
E-mail: denise@northeastsitesolutions.com



NORTHEAST
SITE SOLUTIONS

Turnkey Wireless Development

Attachments

Cc: Matthew T. Hoey III, First Selectman
Town of Guilford
31 Park Street, Guilford, CT 06437

George Kral, Town Planner
Town of Windsor Locks
50 Boston Street, Guilford, CT 06437

James & Janice Ward Family Trusts – Property Owner
2365 Long Hill Road, Guilford, CT 06437

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

Connecticut Siting Council^(/CSC)

[CT.gov Home](#) [\(/\)](#) [Connecticut Siting Council](#) [\(/CSC\)](#) DO 238 Guilford D&O

- [Decisions \(/CSC/Decisions/Decisions\)](#) >
- [Meetings and Minutes \(/CSC/Common-Elements/v4-template/Council-Activity\)](#) >
- [Pending Matters \(/CSC/1_Applications-and-Other-Pending-Matters/Pending-Matters\)](#) >
- [About Us \(/CSC/Common-Elements/Common-Elements/Connecticut-Siting-Council---Description\)](#) >
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DOCKET NO. 238 - Sprint Spectrum, L.P. d/b/a Sprint PCS	}	Connecticut
application for a Certificate of Environmental Compatibility and	}	Siting
Public Need for the construction, maintenance and operation of a	}	Council
wireless telecommunications facility located at 2381 Long Hill Road,	}	
Guilford, Connecticut.	}	May 6, 2003

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a wireless telecommunications facility including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Sprint Spectrum L. P. (Sprint) for the construction, maintenance and operation of a wireless telecommunications facility at 2381 Long Hill Road, Guilford, Connecticut with the tower relocated

approximately 430 feet to the northwest to keep the tower radius within the property boundaries. The Council will not approve the proposed locations of the tower or access road as proposed in the application.

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

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of Sprint and other entities, both public and private, but such tower shall not exceed a height of 180 feet above ground level including all appurtenances.
2. The access road shall avoid Wetland 7 and minimize impacts to other wetlands.
3. The Certificate Holder shall prepare a D&M Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for site development to include the location of the tower and the access road and specifications for the tower foundation, placement of carrier antennas, tower height, equipment buildings, security fence, access road, and utility line; construction plans for site clearing, tree trimming, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended; landscaping and provisions to protect the existing vegetative buffer that would extend around the facility compound; a tower finish that may include painting; and provisions for the prevention and containment of spills and/or other discharge into surface water and groundwater bodies.
4. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power densities of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall provide a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.
5. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.
6. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

7. If the facility does not initially provide, or permanently ceases to provide wireless services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
8. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antenna becomes obsolete and ceases to function.
9. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant, The New Haven Register, The Guilford Courier, and the Shore Line Times.

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

The parties and intervenors to this proceeding are:

<u>Applicant</u>	<u>Its Representative</u>
Sprint Spectrum, L.P. d/b/a Sprint PCS	Thomas J. Regan, Esquire Brown Rudnick Berlack Israels LLP CityPlace I, 38 th Floor 185 Asylum Street Hartford, CT 06103-3402
<u>Intervenor</u>	<u>Its Representative</u>
AT&T Wireless PCS, LLC d/b/a AT&T Wireless	Daniel F. Leary, Esq. Cuddy & Feder & Worby 90 Maple Avenue White Plains, NY 10601

Exhibit B

Property Card

All information is for assessment purposes only. Assessments are calculated at 70% of the estimated October 1, 2017 market value which was the date of the last revaluation as completed by eQuality Valuation Services, LLC.



Information on the Property Records for the Municipality of Guilford was last updated on 11/2/2021.



Parcel Information

Location:	2365 LONG HILL RD	Map and Parcel:	101023B	Census Tract:	1903
Zoning:	R-5	Developer's Map:	4837	Developer's Lot:	
Total Acreage:	12.96	Farm, Forest, Open Space Acres:	11.04	Unique ID:	9786

Value Information

	Appraised Value	Assessed Value
Land	1,106,290	712,270
Buildings	231,380	161,970
Detached Outbuildings	18,775	13,140
Total	1,356,445	887,380

Owner's Information

Owner's Data

WARD JAMES J FAMILY & JANICE M FAMILY
TRUSTS
2365 LONG HILL RD
GUILFORD CT 06437

Building 1

Photo Not Available



Occupancy:	SINGLE FAMILY	Construction:	WOOD FRAME	Design:	1.4
Story Height:	1.40	Living Area Above Ground:	2,521	Year Built:	2004
Year Remodeled:		Condition:	GOOD	Foundation:	POURED CONC

Exterior Siding:	VINYL	Roofing:	ARCH SHINGLES	Heating:	HWBB
Fuel:	OIL	A/C Percent:	80%	Total Rooms:	5
Total Bedrooms:	1	Kitchens:	1	Full Baths:	2
Half Baths:	0	Extra Fixtures:	2	Basement Finished Area:	0

Special Features

CHIMNEYS	1
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Attached Components

Type:	Year Built:	Area:
ATT FRAME GARAGE	2004	960

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
DET FRAME 1.40 BARN	2004	48	24	1,152
FRAME SHED	2004	22	12	264

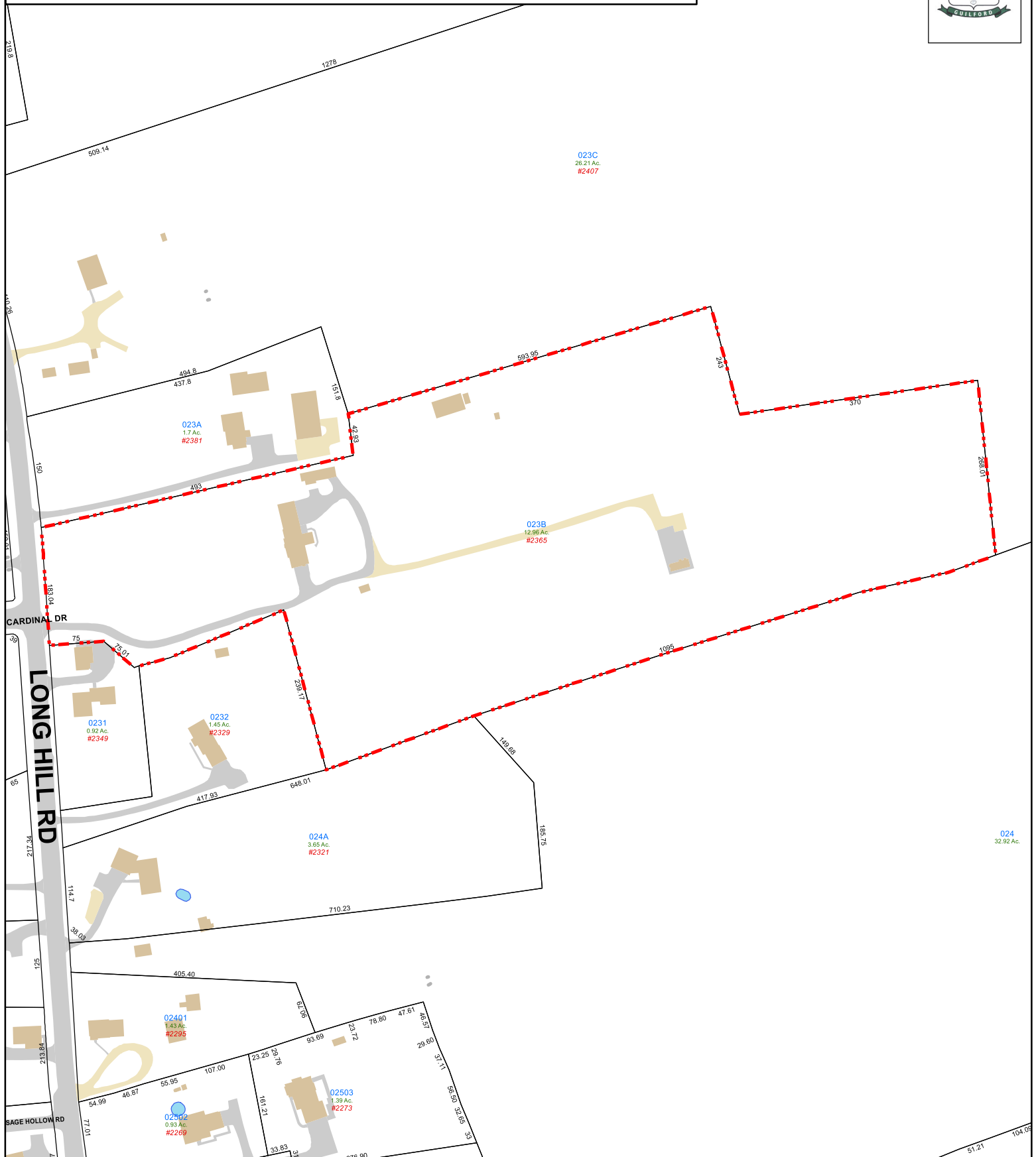
Owner History - Sales

Owner Name	Volume	Page	Sale Date	Deed Type	Sale Price
WARD JAMES J FAMILY & JANICE M FAMILY	0689	933+	03/17/2005	Quit Claim	\$0
WARD JAMES J & JANICE M	0643	1009	09/19/2003	Quit Claim	\$0

Town of Guilford, Connecticut - Assessment Parcel Map

Unique ID: 9786

Address: 2365 LONG HILL RD



Disclaimer:

This map is for informational purposes only.
All information is subject to verification by any user.
The Town of Guilford and its mapping contractors
assume no legal responsibility
for the information contained herein.

Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 1989547
VERIZON SITE NAME: GUILFORD 4 CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 176'-0"

BUSINESS UNIT #: 876381
SITE ADDRESS: 2381 LONG HILL RD
GUILFORD, CT 06437
COUNTY: NEW HAVEN
JURISDICTION: TOWN OF GUILFORD

VERIZON 5G L-SUB6 - CARRIER ADD / FUZE ID 16272121

verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CC CROWN CASTLE

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

Tectonic

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.
Tectonic Engineering & Surveying Consultants P.C.
70 Pleasant Hill Road Phone: (845) 534-5959
P.O. Box 37 (800) 829-6531
Mountainville, NY 10953 www.tectoniceengineering.com
Project Contact Info
1278 Route 300
Newburgh, NY 12550 Phone: (845) 567-6656
TECTONIC WO: 10545.GUILFORD CT

SITE INFORMATION	
CROWN CASTLE USA INC. SITE NAME:	WARD
SITE ADDRESS:	2381 LONG HILL RD GUILFORD, CT 06437
COUNTY:	NEW HAVEN
MAP/PARCEL #:	101023B
AREA OF CONSTRUCTION:	EXISTING
LATITUDE:	41° 20' 47.34" N
LONGITUDE:	72° 43' 23.15" W
LAT/LONG TYPE:	NAD83
GROUND ELEVATION:	----
CURRENT ZONING:	R-5
ZONING JURISDICTION:	CONNECTICUT SITING COUNCIL
JURISDICTION:	TOWN OF GUILFORD
OCCUPANCY CLASSIFICATION:	----
TYPE OF CONSTRUCTION:	----
A.D.A. COMPLIANCE:	FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION
PROPERTY OWNER:	WARD JAMES J FAMILY & JANICE M FAMILY 2365 LONG HILL RD GUILFORD, CT 06437
TOWER OWNER:	CROWN CASTLE MU LLC 2000 CORPORATE DRIVE CANONSBURG, PA 15317
CARRIER/APPLICANT:	VERIZON WIRELESS 1515 E. WOODFIELD ROAD SCHAUMBURG, IL 60173
ELECTRIC PROVIDER:	CONNECTICUT LIGHT & POWER CO (800) 286-2000
TELCO PROVIDER:	CROWN CASTLE FIBER (855) 913-4237

PROJECT TEAM	
A&E FIRM:	TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C. 1279 ROUTE 300 NEWBURGH, NY 12550 PHONE: (845) 567-6656
CROWN CASTLE USA INC. DISTRICT CONTACTS:	1200 MACARTHUR BLVD, SUITE 200 MAHWAH, NJ 07430 ----- - PROJECT MANAGER ----- ----- - CONSTRUCTION MANAGER -----
VERIZON CONTACT:	----- -----

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
ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR ----. 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	10068125
VzW LOCATION CODE (PSLC)	468021
*** 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, BEDMINSTER, NJ 07921)

HEAD NORTHWEST. SLIGHT LEFT. TURN RIGHT ONTO US-202 N/US-206 N. TURN RIGHT ONTO SCHLEY MOUNTAIN RD. MERGE WITH I-287 N. ENTERING NEW YORK. KEEP LEFT AT THE Y JUNCTION TO CONTINUE ON I-287 E, FOLLOW SIGNS FOR WHITE PLAINS/RYE. MERGE WITH I-95 N. ENTERING CONNECTICUT. CONTINUE STRAIGHT TO STAY ON I-95 N.KEEP LEFT TO STAY ON I-95 N. TAKE EXIT 55 FOR US-1/EAST MAIN ST TOWARD NORTH BRANFORD. TURN RIGHT ONTO US-1 N. TURN LEFT ONTO CT-139 N. TURN RIGHT ONTO CT-22 E/CT-80 E. CONTINUE TO FOLLOW CT-80 E. TURN RIGHT ONTO LONG HILL RD. TURN LEFT AT CARDINAL DR.

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	2018 CT SBC
MECHANICAL	2018 CT SBC
ELECTRICAL	2017 NEC

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS: ----
DATED: -----

MOUNT ANALYSIS: MASER CONSULTING CONNECTICUT (MODIFICATION NEEDED)
DATED: 06/15/2021

RFDS REVISION: 0
DATED: 02/25/21

ORDER ID: 552645
REVISION: 0

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 (9) ANTENNAS
- REMOVE (3) RRHs
- REMOVE (1) 6CKT OVP
- REMOVE (1) HYBRID CABLE
- REMOVE (1) COAX CABLE
- INSTALL (9) ANTENNAS
- INSTALL (6) RRHs
- INSTALL (3) MOUNT
- INSTALL (1) 12CKT OVP
- INSTALL (3) DIPLEXER
- INSTALL (2) HYBRID CABLES
- MODIFY EXISTING MOUNTS

GROUND SCOPE OF WORK:

- NONE

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

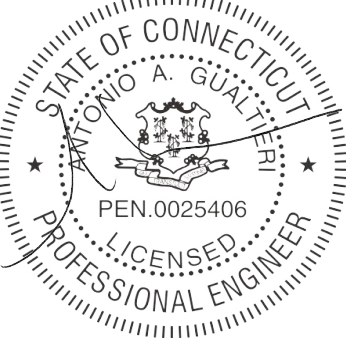
VERIZON SITE NUMBER:
1989547

BU #: 876381
WARD

2381 LONG HILL RD
GUILFORD, CT 06437

EXISTING 176'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/06/21	VM	FOR REVIEW	----
0	06/24/21	BW	FOR CONSTRUCTION	----



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: A

CROWN CASTLE USA INC. SITE ACTIVITY REQUIREMENTS:

- 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.
- "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.
- 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.
- 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).
- 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."
- 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.
- 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.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- 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)
- ALL SITE WORK SHALL BE AS INDICATED ON THE STAMPED CONSTRUCTION DRAWINGS AND PROJECT SPECIFICATIONS, LATEST APPROVED REVISION.
- 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.
- 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.
- 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.
- THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE CARRIER'S EQUIPMENT AND TOWER AREAS.
- THE SUB GRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.
- 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.

GREENFIELD GROUNDING NOTES:

- 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.
- THE CONTRACTOR SHALL PERFORM IEEE FALL–OF–POTENTIAL 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL EXTERIOR GROUND CONDUCTORS BETWEEN EQUIPMENT/GROUND BARS AND THE GROUND RING SHALL BE #2 SOLID TINNED COPPER UNLESS OTHERWISE INDICATED.
- ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
- USE OF 90° BENDS IN THE PROTECTON GROUNDING CONDUCTORS SHALL BE AVOIDED WHEN 45° BENDS CAN BE ADEQUATELY SUPPORTED.
- EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
- ALL GROUND CONNECTIONS ABOVE GRADE (INTERIOR AND EXTERIOR) SHALL BE FORMED USING HIGH PRESS CRIMPS.
- COMPRESSION GROUND CONNECTIONS MAY BE REPLACED BY EXOTHERMIC WELD CONNECTIONS.
- ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
- APPROVED ANTIOXIDANT COATINGS (i.e. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
- ALL EXTERIOR GROUND CONNECTIONS SHALL BE COATED WITH A CORROSION RESISTANT MATERIAL.
- MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
- BOND ALL METALLIC OBJECTS WITHIN 6 ft of MAIN GROUND RING WITH (1) #2 BARE SOLID TINNED COPPER GROUND CONDUCTOR.
- 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.
- 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).
- 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).

GENERAL NOTES:

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION. TRASH AND DEBRIS SHOULD BE REMOVED FROM SITE ON A DAILY BASIS.

CONCRETE, FOUNDATIONS, AND REINFORCING STEEL:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE ACI 301, ACI 318, ACI 318, ASTM A184, ASTM A185 AND THE DESIGN AND CONSTRUCTION SPECIFICATION FOR CAST-IN-PLACE CONCRETE.
- UNLESS NOTED OTHERWISE, SOIL BEARING PRESSURE USED FOR DESIGN OF SLABS AND FOUNDATIONS IS ASSUMED TO BE 1000 psf.
- 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° AT TIME OF PLACEMENT.
- 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.
- 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
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"
- 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.

ELECTRICAL INSTALLATION NOTES:

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, NEC AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES/ORDINANCES.
- CONDUIT ROUTINGS ARE SCHEMATIC. CONTRACTOR SHALL INSTALL CONDUITS SO THAT ACCESS TO EQUIPMENT IS NOT BLOCKED AND TRIP HAZARDS ARE ELIMINATED.
- WIRING, RACEWAY AND SUPPORT METHODS AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE NEC.
- ALL CIRCUITS SHALL BE SEGREGATED AND MAINTAIN MINIMUM CABLE SEPARATION AS REQUIRED BY THE NEC.
 - ALL EQUIPMENT SHALL BEAR THE UNDERWRITERS LABORATORIES LABEL OF APPROVAL, AND SHALL CONFORM TO REQUIREMENT OF THE NATIONAL ELECTRICAL CODE.
 - 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. VERIFY 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.
- 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.
- 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).
- PANEL BOARDS (ID NUMBERS) SHALL BE CLEARLY LABELED WITH PLASTIC LABELS.
- ALL TIE WRAPS SHALL BE CUT FLUSH WITH APPROVED CUTTING TOOL TO REMOVE SHARP EDGES.
- 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.
- 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.
- POWER AND CONTROL WIRING IN FLEXIBLE CORD SHALL BE MULTI–CONDUCTOR, TYPE SOOW CORD (#14 OR LARGER) UNLESS OTHERWISE SPECIFIED.
- 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.
- 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).
- RACEWAY AND CABLE TRAY SHALL BE LISTED OR LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND NEC.
- ELECTRICAL METALLIC TUBING (EMT), INTERMEDIATE METAL CONDUIT (IMC), OR RIGID METAL CONDUIT (RMC) SHALL BE USED FOR EXPOSED INDOOR LOCATIONS.
- ELECTRICAL METALLIC TUBING (EMT) OR METAL–CLAD CABLE (MC) SHALL BE USED FOR CONCEALED INDOOR LOCATIONS.
- SCHEDULE 40 PVC UNDERGROUND ON STRAIGHTS AND SCHEDULE 80 PVC FOR ALL ELBOWS/90s AND ALL APPROVED ABOVE GRADE PVC CONDUIT.
- LIQUID–TIGHT FLEXIBLE METALLIC CONDUIT (LIQUID–TITE FLEX) SHALL BE USED INDOORS AND OUTDOORS, WHERE VIBRATION OCCURS OR FLEXIBILITY IS NEEDED.
- CONDUIT AND TUBING FITTINGS SHALL BE THREADED OR COMPRESSION–TYPE AND APPROVED FOR THE LOCATION USED. SET SCREW FITTINGS ARE NOT ACCEPTABLE.
- CABINETS, BOXES AND WIRE WAYS SHALL BE LABELED FOR ELECTRICAL USE IN ACCORDANCE WITH NEMA, UL, ANSI/IEEE AND THE NEC.
- WIREWAYS SHALL BE METAL WITH AN ENAMEL FINISH AND INCLUDE A HINGED COVER, DESIGNED TO SWING OPEN DOWNWARDS (WIREFOLD SPECIMATE WIREWAY).
- SLOTTED WIRING DUCT SHALL BE PVC AND INCLUDE COVER (PANDUIT TYPE E OR EQUAL).
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- INSTALL LAMICOID LABEL ON THE METER CENTER TO SHOW "VERIZON".
- 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
277/480V, 3Ø	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
	NEUTRAL	GREY
DC VOLTAGE	GROUND	GREEN
	POS (+)	RED**
	NEG (–)	BLACK**

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

ABBREVIATIONS:

ANT	ANTENNA
(E)	EXISTING
FIF	FACILITY INTERFACE FRAME
GEN	GENERATOR
GPS	GLOBAL POSITIONING SYSTEM
GSM	GLOBAL SYSTEM FOR MOBILE
LTE	LONG TERM EVOLUTION
MGB	MASTER GROUND BAR
MW	MICROWAVE
(N)	NEW
NEC	NATIONAL ELECTRIC CODE
(P)	PROPOSED
PP	POWER PLANT
QTY	QUANTITY
RECT	RECTIFIER
RBS	RADIO BASE STATION
RET	REMOTE ELECTRIC TILT
RFDS	RADIO FREQUENCY DATA SHEET
RRH	REMOTE RADIO HEAD
RRU	REMOTE RADIO UNIT
SIAD	SMART INTEGRATED DEVICE
TMA	TOWER MOUNTED AMPLIFIER
TYP	TYPICAL
UMTS	UNIVERSAL MOBILE TELECOMMUNICATIONS SYSTEM
W.P.	WORK POINT



VERIZON SITE NUMBER:
1989547

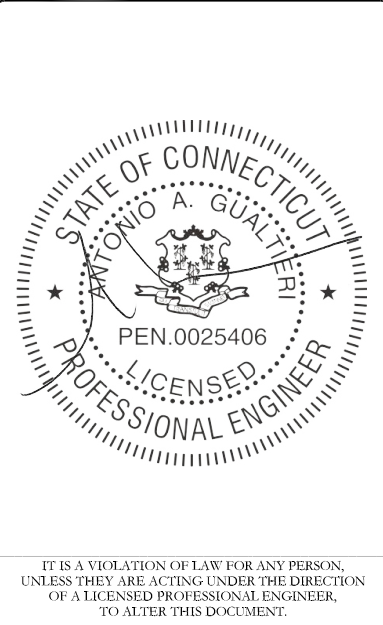
BU #: **876381**
WARD

2381 LONG HILL RD
GUILFORD, CT 06437

EXISTING 176'-0" MONOPOLE

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/06/21	VM	FOR REVIEW	----
0	06/24/21	BW	FOR CONSTRUCTION	----

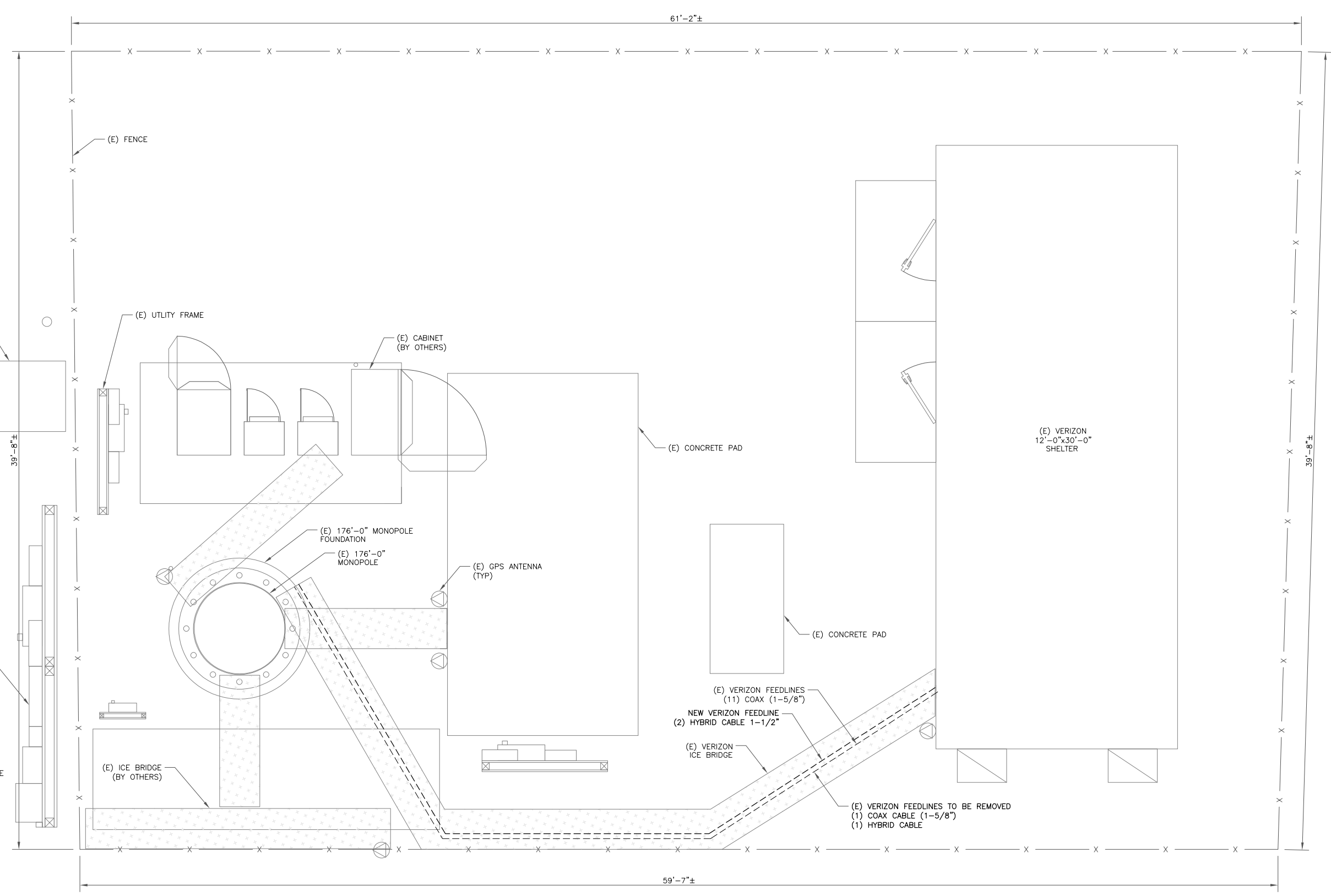


SHEET NUMBER:

T-2

REVISION:

A



verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN
CASTLE

1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

Tectonic

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.
Tectonic Engineering & Surveying Consultants P.C.
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Mountainville, NY 10953
www.tectoniceengineering.com
Project Contact Info
1278 Route 300
Newburgh, NY 12550
Phone: (845) 567-6656

VERIZON SITE NUMBER:
1989547

BU #: **876381**
WARD

2381 LONG HILL RD
GUILFORD, CT 06437

EXISTING 176'-0" MONOPOLE

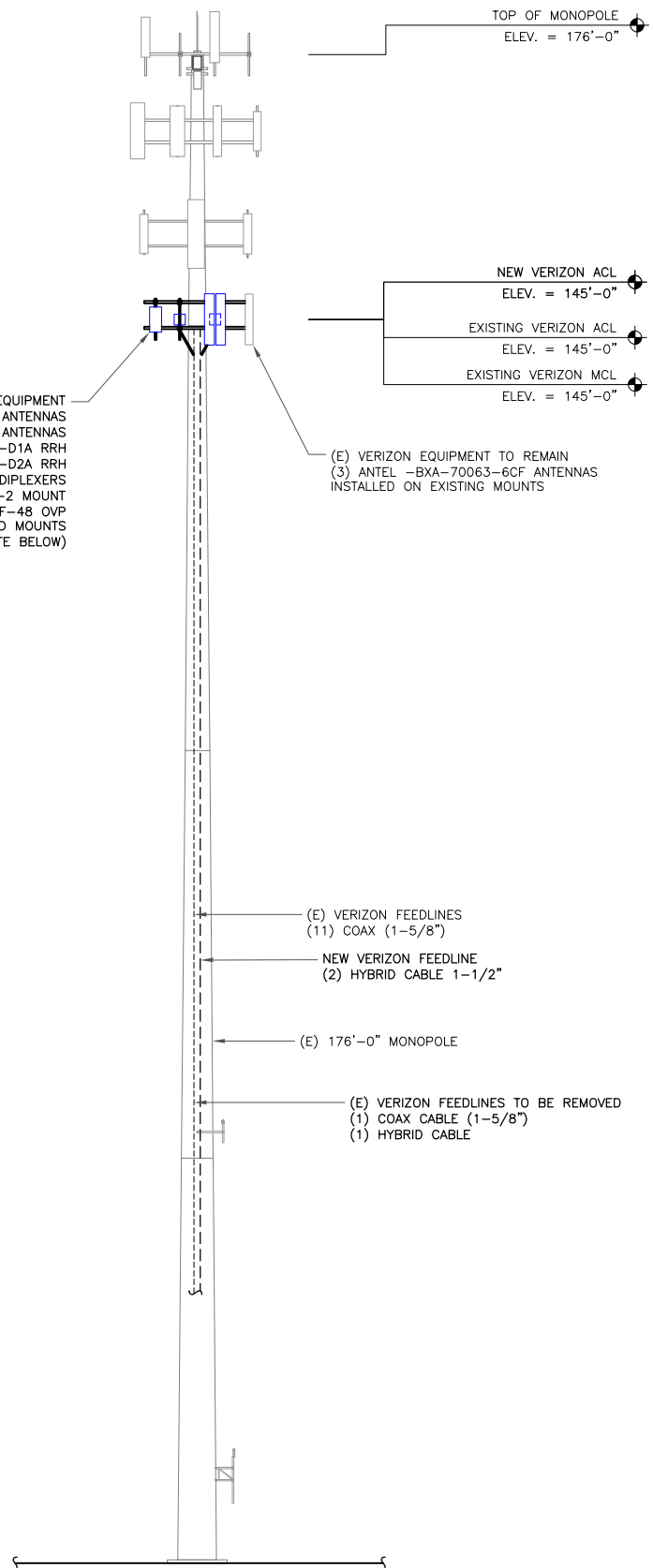
ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
A	05/06/21	VM	FOR REVIEW	----
0	06/24/21	BW	FOR CONSTRUCTION	----

STATE OF CONNECTICUT
ANTONIO A. GUALTIERI
PEN.0025406
LICENSED
PROFESSIONAL ENGINEER

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:
C-1

REVISION:
A

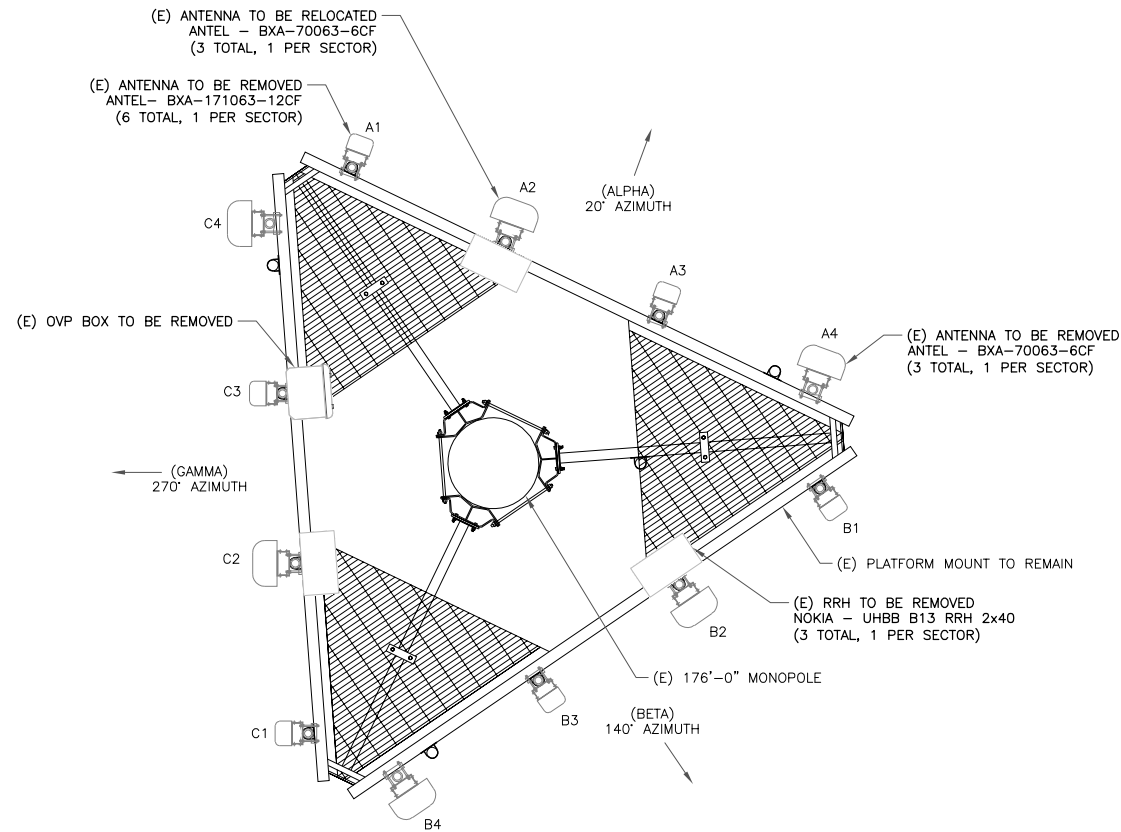


1 TOWER ELEVATION
SCALE: NOT TO SCALE

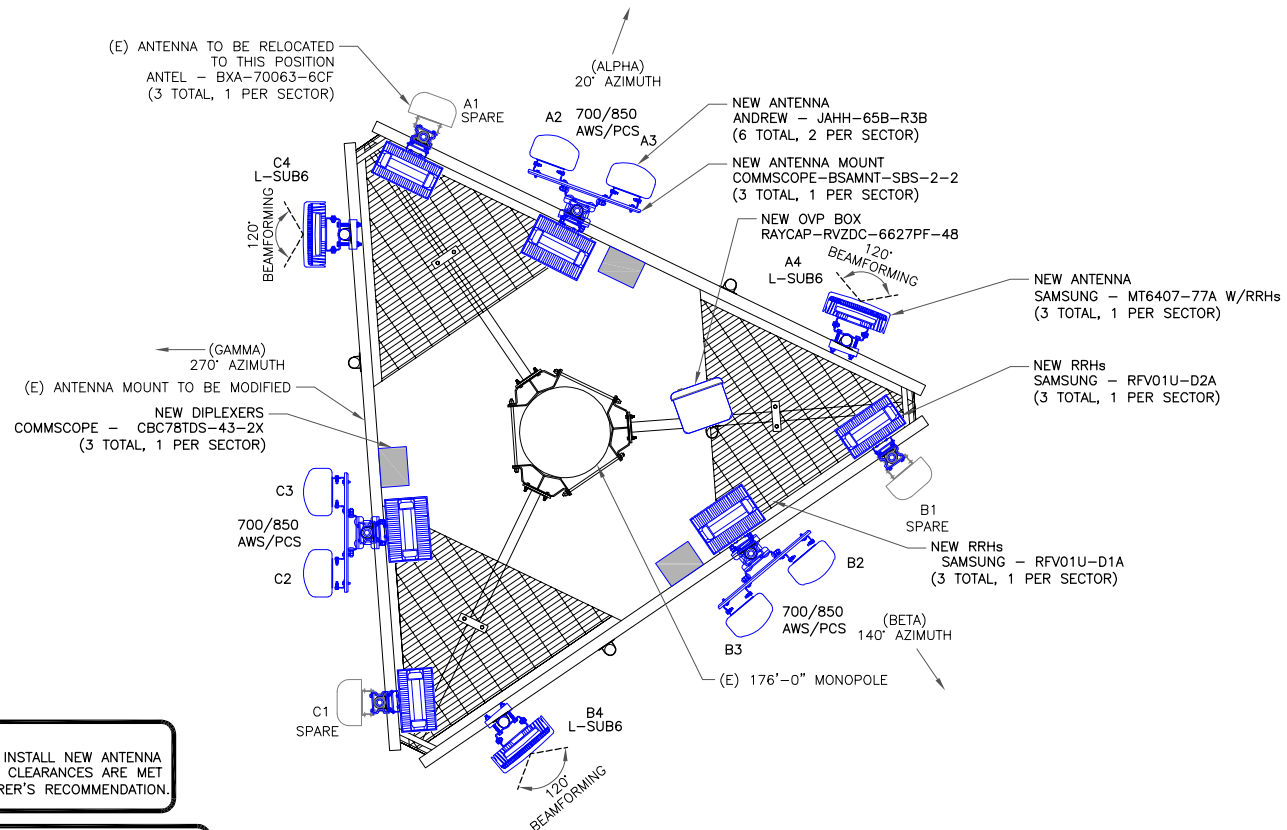
VERIZON EQUIPMENT

(E) ANTENNA CL: 145'-0"
(N) ANTENNA CL: 145'-0"
MOUNT CL: 145'-0"

TOWER NOTE:
EXISTING STRUCTURE SHALL BE ANALYZED
BY A PROFESSIONAL ENGINEER LICENSED IN
THE STATE OF CONNECTICUT.



2 EXISTING ANTENNA PLAN
SCALE: NOT TO SCALE



NOTE:
CONTRACTOR TO INSTALL NEW ANTENNA
AND MAKE SURE CLEARANCES ARE MET
PER MANUFACTURER'S RECOMMENDATION.

STRUCTURAL NOTE:
THE EXISTING ANTENNA MOUNT TO BE
MODIFIED PER MOUNT ANALYSIS PREPARED
BY MASER CONSULTING CONNECTICUT DATED
06/15/21. SEE REPORT FOR ADDITIONAL
DETAILS.

3 NEW ANTENNA PLAN
SCALE: NOT TO SCALE

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CROWN CASTLE
1200 MACARTHUR BLVD, SUITE 200
MAHWAH, NJ 07430

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P.O. Box 37 (800) 829-6531
Mountainville, NY 10953 www.tectonicengineering.com
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1278 Route 300
Newburgh, NY 12550 Phone: (845) 567-6656
TECTONIC WO: 10545.GUILFORD CT

VERIZON SITE NUMBER:
1989547

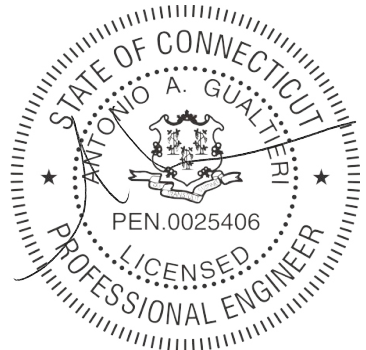
BU #: **876381**
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2381 LONG HILL RD
GUILFORD, CT 06437

EXISTING 176'-0" MONOPOLE

ISSUED FOR:

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SHEET NUMBER:

C-2

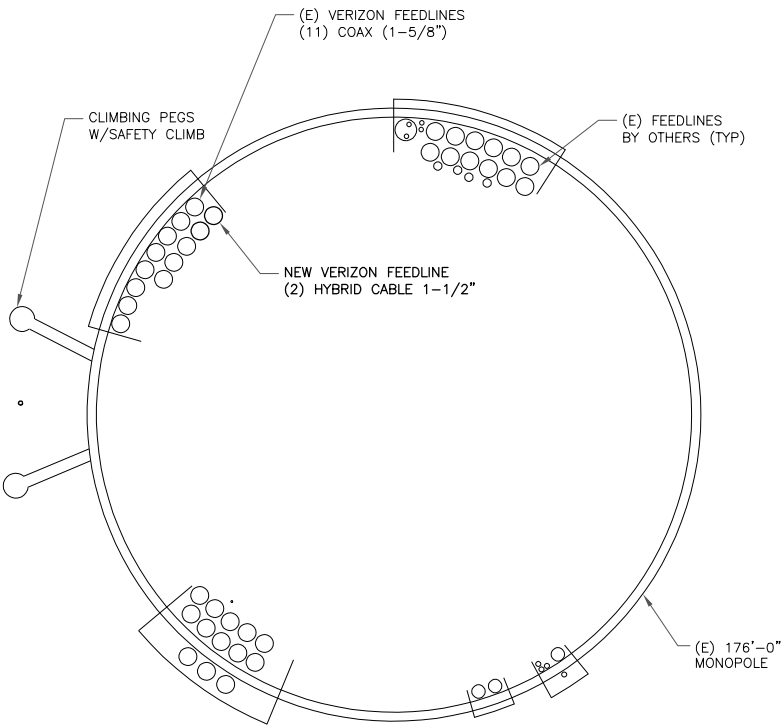
REVISION:

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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	EXISTING	ANTEL	BXA-70063-6CF	145'-0"	20°	0'	2'		
A2	NEW	ANDREW	JAHH-65B-R3B	145'-0"	20°	0'	2' / 2'	RAYCAP SAMSUNG SAMSUNG COMMOSCOPE COMMOSCOPE	(1) RVZDC-6627PF-48 (1) RFV01U-D1A (1) RFV01U-D2A (1) CBC78TDS-43-2X (1) BSAMNT-SBS-2-2
A3	NEW	ANDREW	JAHH-65B-R3B	145'-0"	20°	0'	2' / 2'		
A4	NEW	SAMSUNG	NL-SUB6 - MT6407-77A	145'-0"	20°	0'	6'		
B1	EXISTING	ANTEL	BXA-70063-6CF	145'-0"	140°	4'	2'		
B2	NEW	ANDREW	JAHH-65B-R3B	145'-0"	140°	0'	6' / 8'	SAMSUNG SAMSUNG COMMOSCOPE COMMOSCOPE	(1) RFV01U-D1A (1) RFV01U-D2A (1) CBC78TDS-43-2X (1) BSAMNT-SBS-2-2
B3	NEW	ANDREW	JAHH-65B-R3B	145'-0"	140°	0'	2' / 2'		
B4	NEW	SAMSUNG	NL-SUB6 - MT6407-77A	145'-0"	140°	0'	6'		
C1	EXISTING	ANTEL	BXA-70063-6CF	145'-0"	270°	0'	2'		
C2	NEW	ANDREW	JAHH-65B-R3B	145'-0"	270°	0'	2' / 2'	SAMSUNG SAMSUNG COMMOSCOPE COMMOSCOPE	(1) RFV01U-D1A (1) RFV01U-D2A (1) CBC78TDS-43-2X (1) BSAMNT-SBS-2-2
C3	NEW	ANDREW	JAHH-65B-R3B	145'-0"	270°	0'	2' / 2'		
C4	NEW	SAMSUNG	NL-SUB6 - MT6407-77A	145'-0"	270°	0'	6'		

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	195'-0"±	11
NEW	HYBRID	1-1/2"	195'-0"±	2
TOTAL CABLE QTY:				13



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE



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Newburgh, NY 12550
Phone: (845) 567-6656

TECTONIC WO: 10545.GUILFORD CT

VERIZON SITE NUMBER:
1989547

BU #: 876381
WARD

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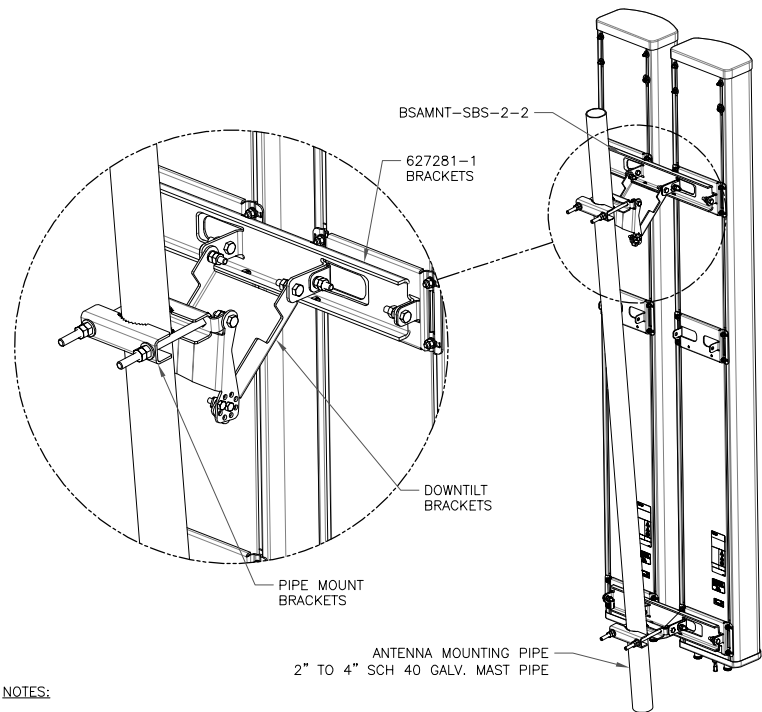
EXISTING 176'-0" MONOPOLE

ISSUED FOR:				
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A	05/06/21	VM	FOR REVIEW	----
0	06/24/21	BW	FOR CONSTRUCTION	----

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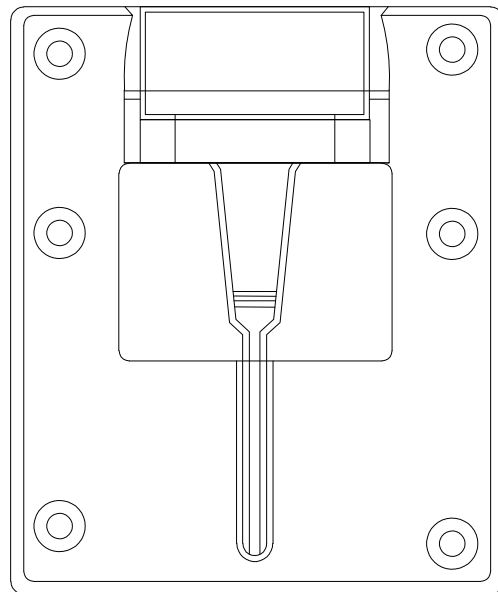
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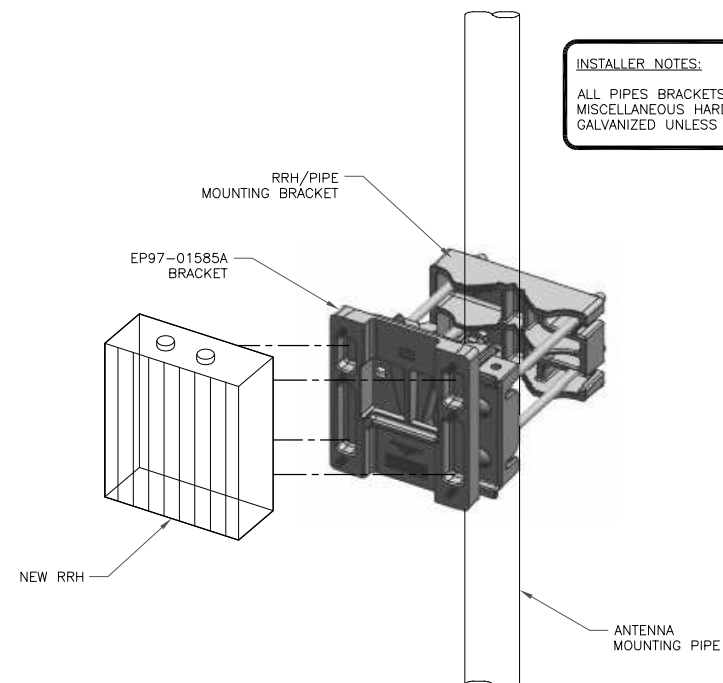
NOTES:

- BSAMNT-SBS-2-2 KIT CONTAINS (2) 627281 MOUNTING BRACKETS.
- TORQUE THE M10 BOLT ASSEMBLY TO 37 N.m. PER MANUFACTURE'S RECOMMENDATIONS.

1 COMMSCOPE - BSAMNT-SBS-2-2
SCALE: NOT TO SCALE



3 SAMSUNG - EP97-01585A BRACKET DETAIL
SCALE: NOT TO SCALE



INSTALLER NOTES:

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

2 NOT USED
SCALE: NOT TO SCALE

4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

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VERIZON SITE NUMBER:
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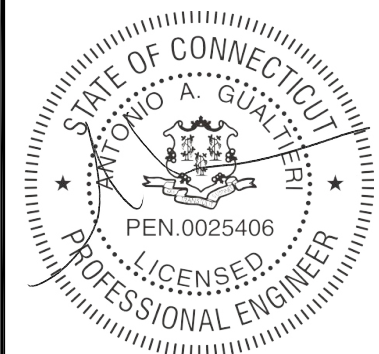
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EXISTING 176'-0" MONOPOLE

ISSUED FOR:

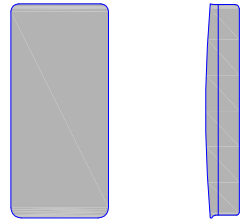
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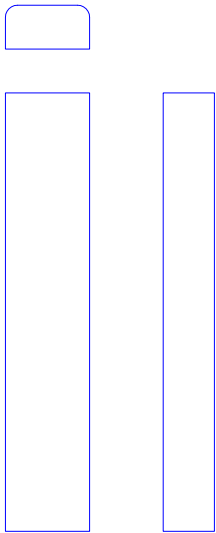
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REVISION:
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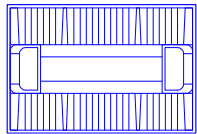
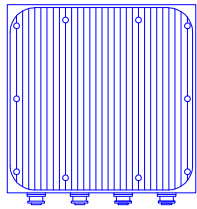
SAMSUNG – MT6407-77A (L-SUB6)
WEIGHT : 87.1 LBS
SIZE (HxWxD): 35.12 x 16.06 x 5.51 IN.

1 SAMSUNG – MT6407-77A
SCALE: NOT TO SCALE



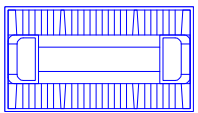
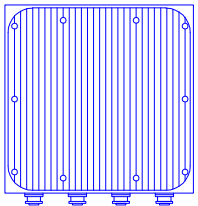
ANDREW – JAHH-65B-R3B
WEIGHT : 63.30 LBS
SIZE (HxWxD): 72.00 x 13.80 x 8.20 IN.

2 ANDREW – JAHH-65B-R3B
SCALE: NOT TO SCALE



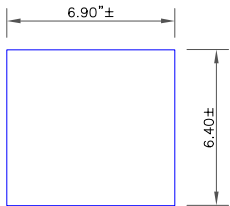
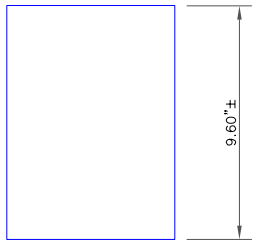
SAMSUNG – B2/B66A RRH-BR049 (RFV01U-D1A)
WEIGHT(W/O EQUIPMENT): 84.4 LBS
SIZE (HxWxD): 15x15x10 IN.

3 SAMSUNG – B2/B66A RRH-BR049 (RFV01U-D1A)
SCALE: NOT TO SCALE



SAMSUNG – B5/B13 RRH-BR04C (RFV01U-D2A)
WEIGHT (W/O EQUIPMENT): 31.9 LBS
SIZE (HxWxD): 15x15x8.1 IN.

4 SAMSUNG – B5/B13 RRH-BR04C (RFV01U-D2A)
SCALE: NOT TO SCALE



COMMSCOPE – CBC78TDS-43-2X
WEIGHT : 20.70 LBS
SIZE (HxWxD): 6.40x6.90x9.60 IN.

5 COMMSCOPE – CBC78TDS-43-2X
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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CASTLE

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VERIZON SITE NUMBER:
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BU #: 876381
WARD

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EXISTING 176'-0" MONOPOLE

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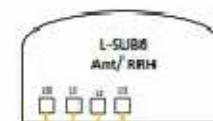
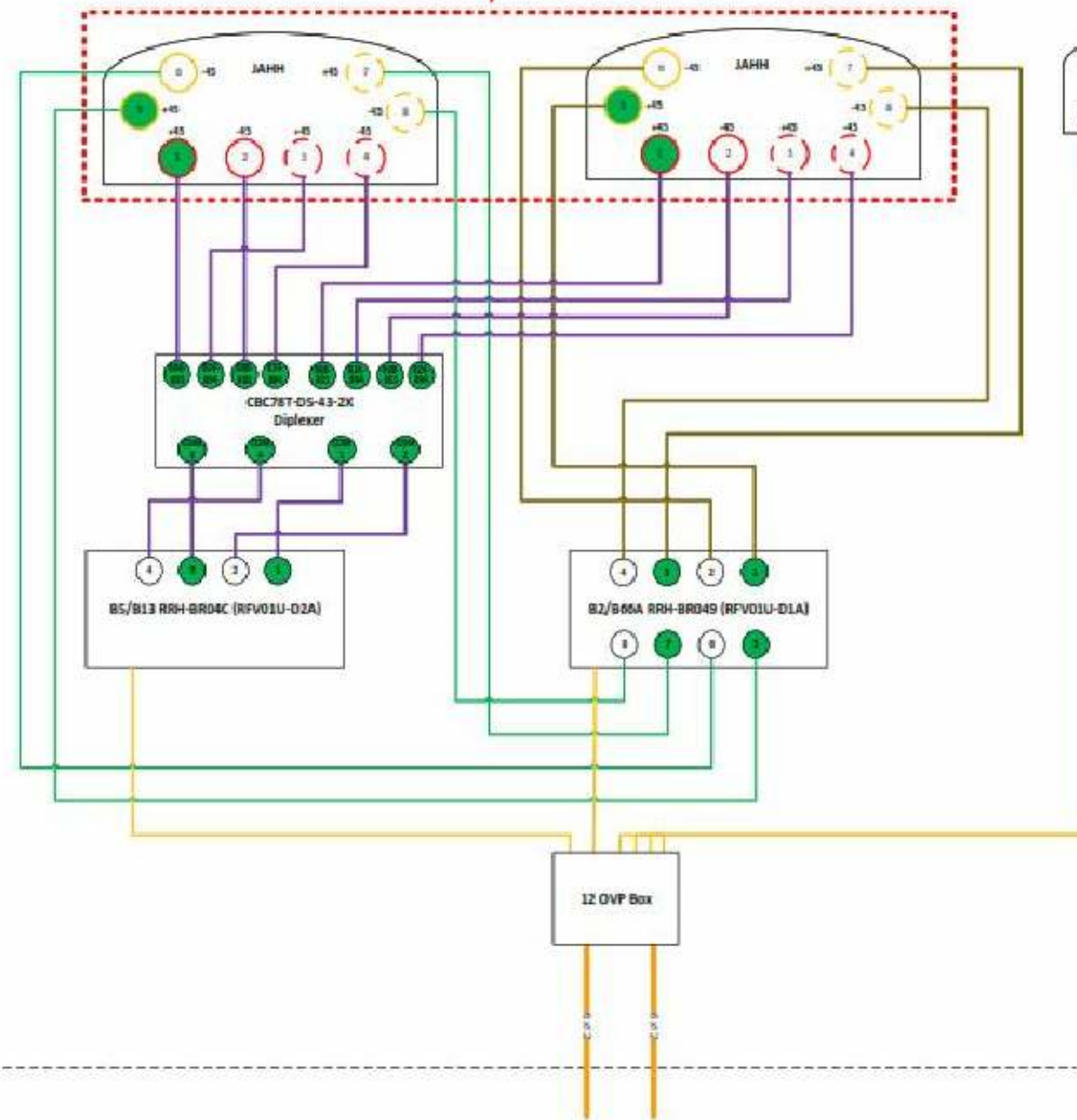
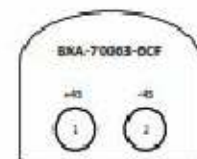
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C-6

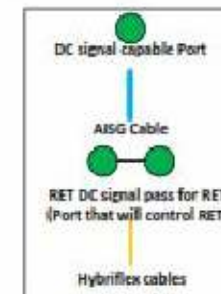
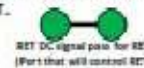
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BSAMNT-SBS-2-2



- Port 1 & 2 are for low band (093-890 MHz).
- Port 3,4,5, & 6 are for high band (1095-2300 MHz).
- Smart Bias Tee (SBT) is through port 1 & 3 for low band and port 1 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.



Comments:

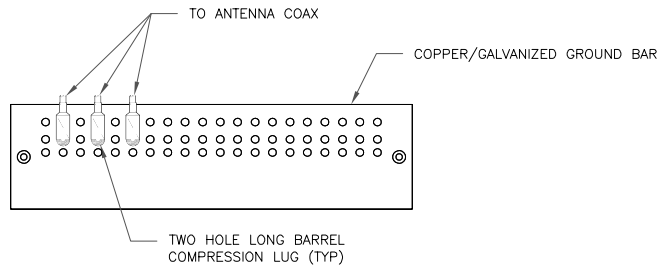
Diagram shows antenna port configuration as viewed from below antennas.

Antenna positions are indicated as viewed from IN FRONT of antennas.

Cap and weatherproof unused antenna ports.

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

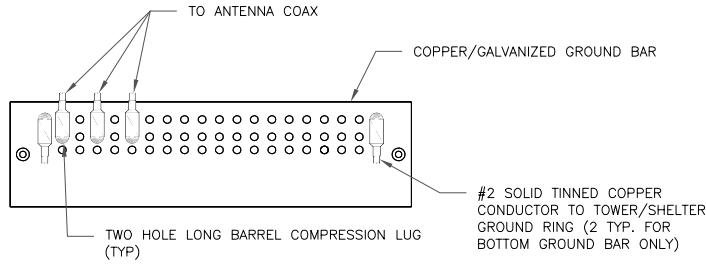
Tower/
Watertank/
Rooftop
Equipment
Pad



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.

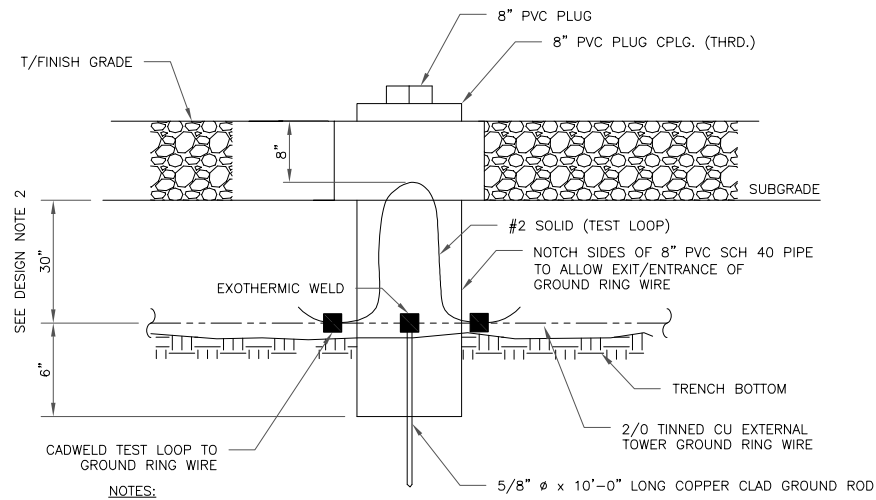
1 ANTENNA SECTOR GROUND BAR DETAIL
SCALE: NOT TO SCALE



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.

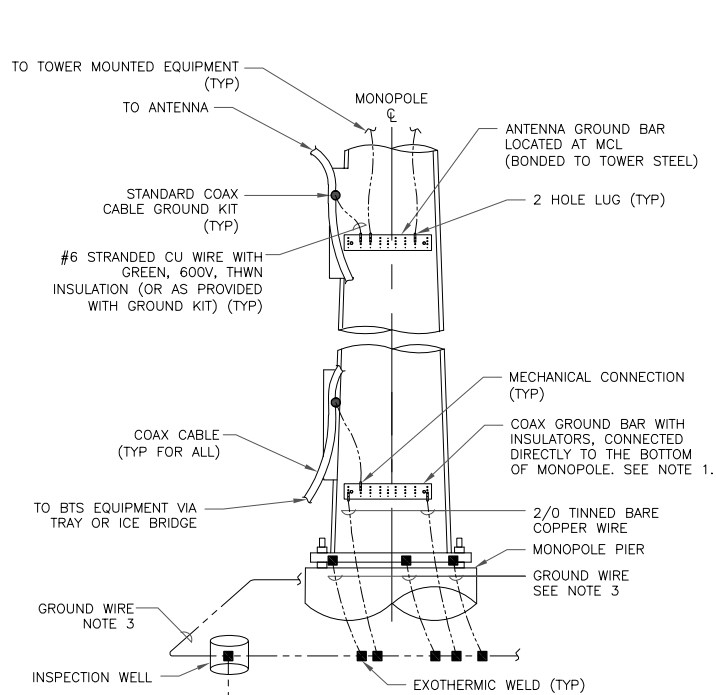
2 TOWER/SHELTER GROUND BAR DETAIL
SCALE: NOT TO SCALE



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)

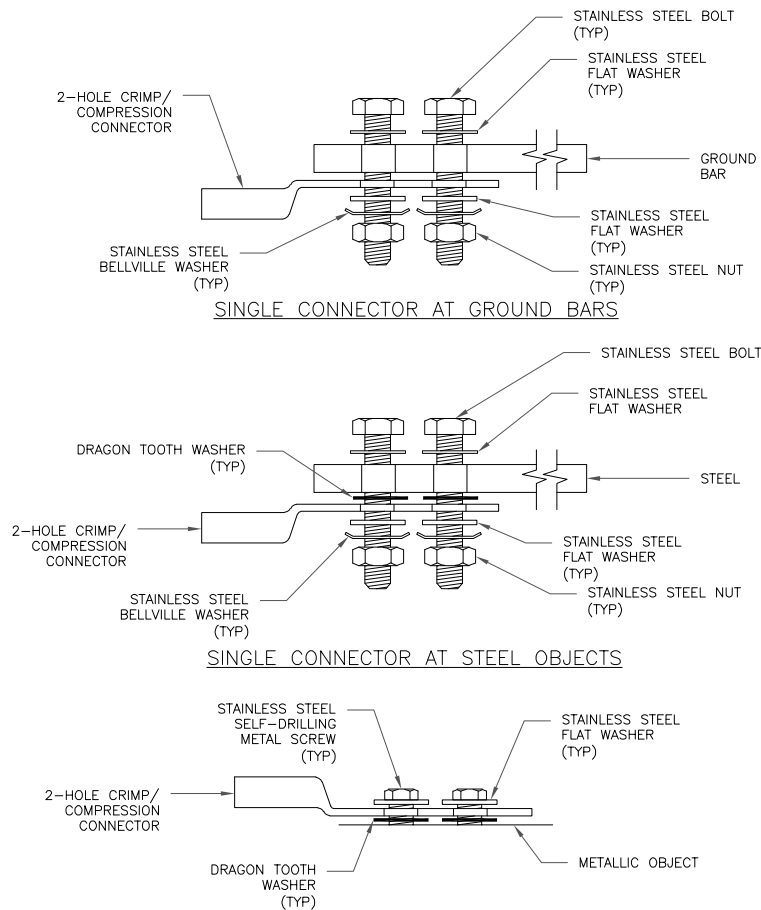
3 INSPECTION WELL DETAIL
SCALE: NOT TO SCALE



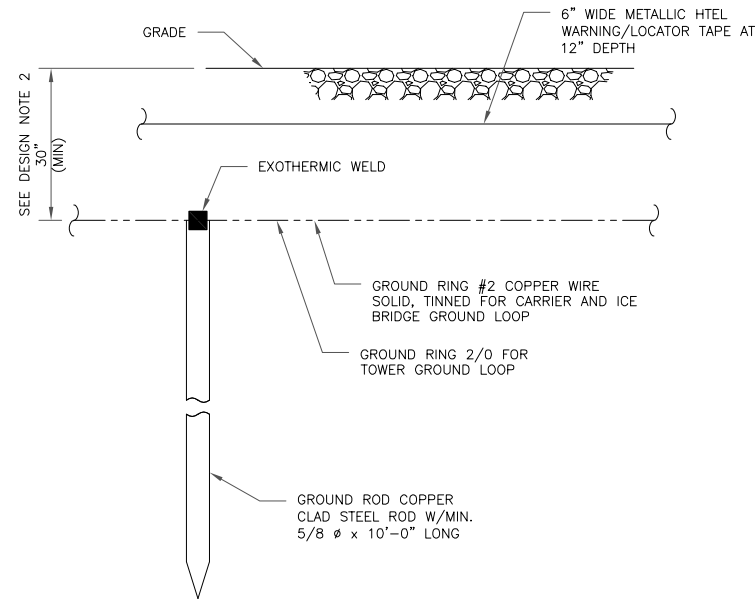
NOTES:

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



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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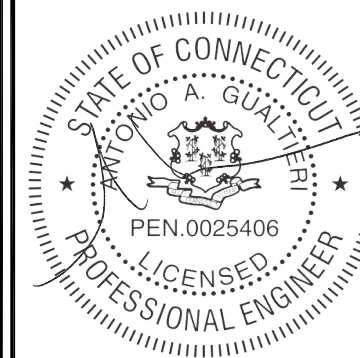
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WARD

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EXISTING 176'-0" MONOPOLE

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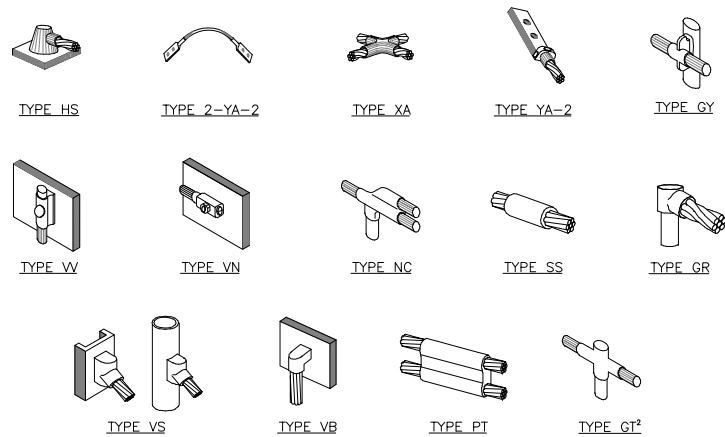
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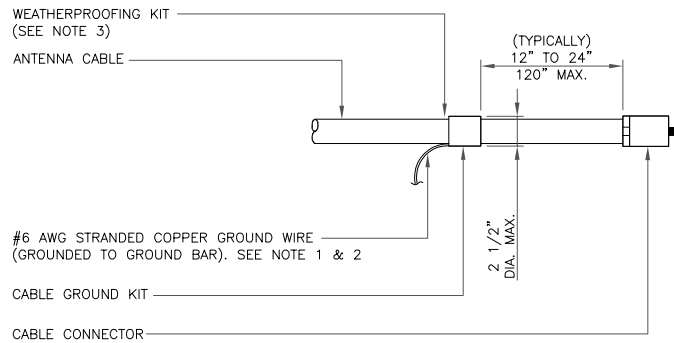
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NOTE:

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.

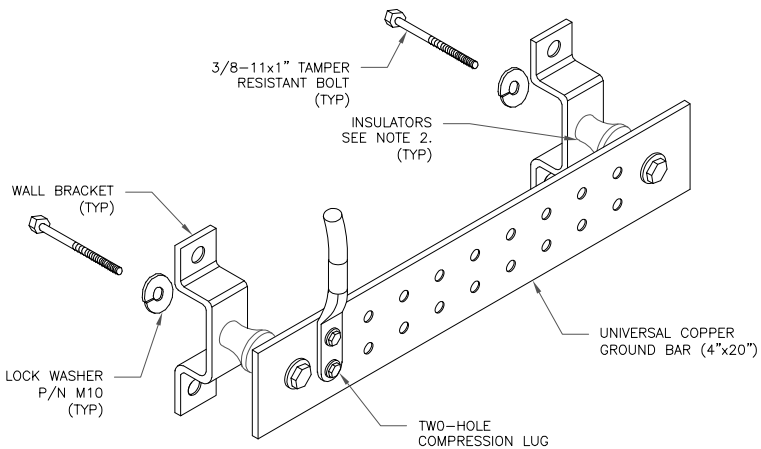
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

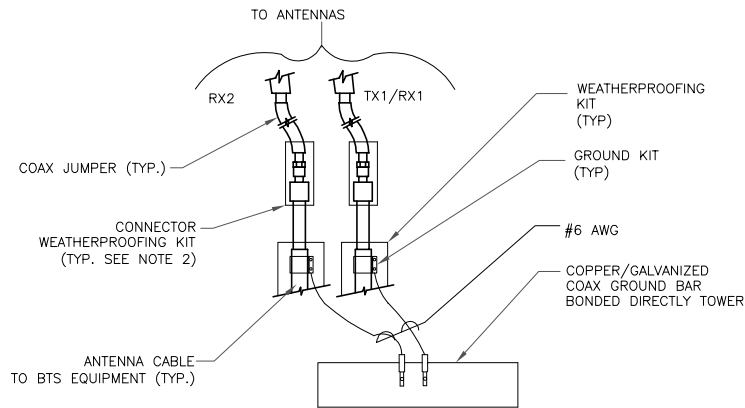
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



NOTES:

1. 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.

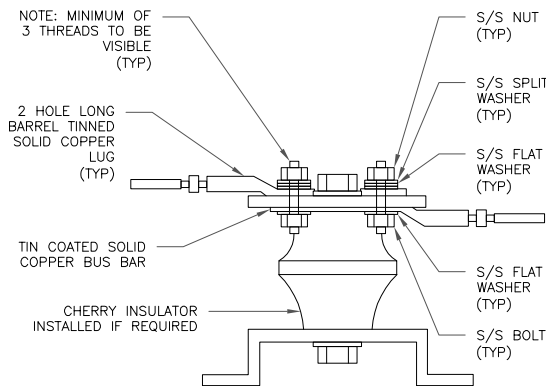
6 GROUND BAR DETAIL
SCALE: NOT TO SCALE



NOTES:

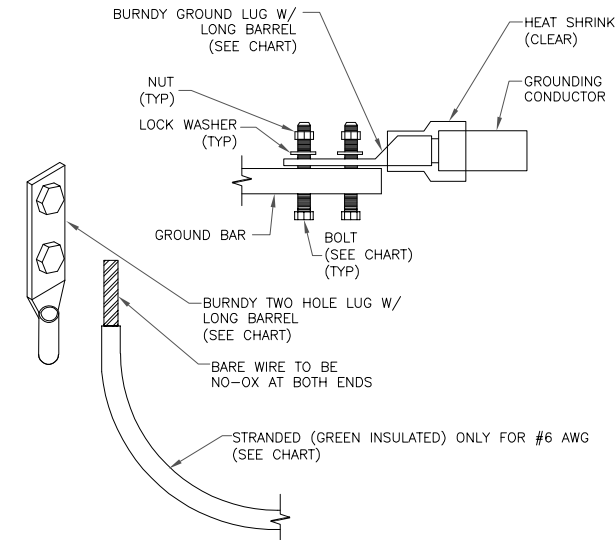
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO ANTENNA GROUND BAR.
2. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT. COLD SHRINK SHALL NOT BE USED.

4 GROUND CABLE CONNECTION
SCALE: NOT TO SCALE



7 LUG DETAIL
SCALE: NOT TO SCALE

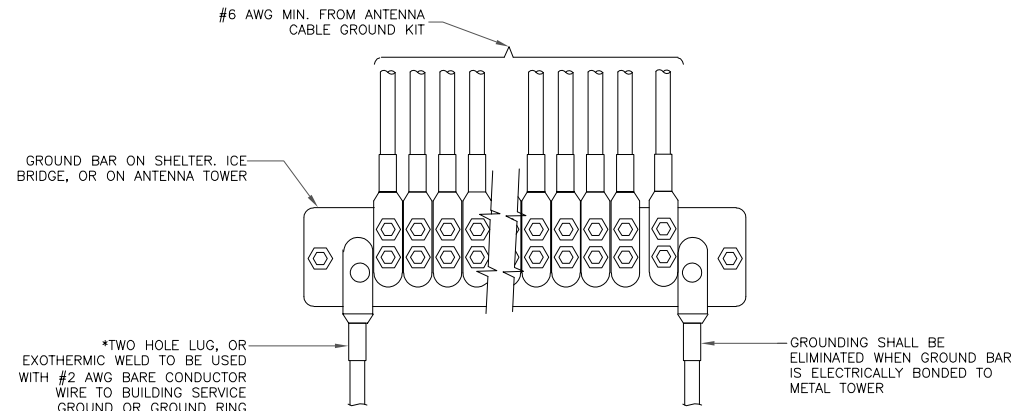
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



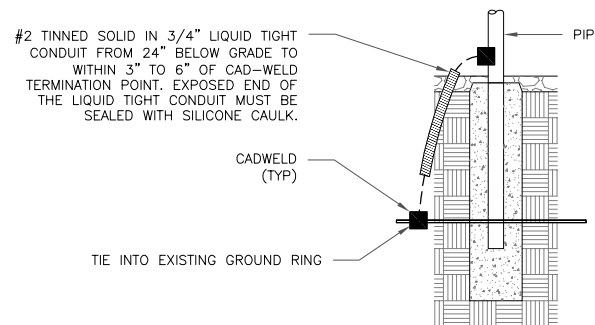
NOTES:

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



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE

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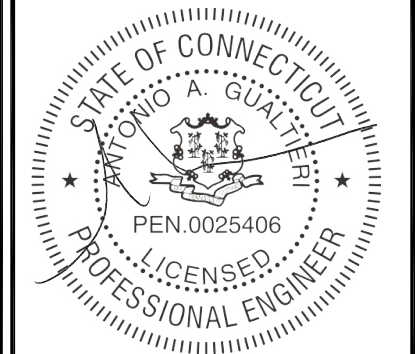
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Exhibit D

Structural Analysis Report



MORRISON HERSHFIELD

Date: **May 05, 2021**

Morrison Hershfield
1455 Lincoln Parkway, Suite 500
Atlanta, GA 30346
(770) 397-8500

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 468021
Site Name: Guilford 4 CT

Crown Castle Designation: **BU Number:** 876381
Site Name: Ward
JDE Job Number: 644659
Work Order Number: 1953710
Order Number: 552645 Rev. 0

Engineering Firm Designation: **Morrison Hershfield Project Number:** CN8-179 / 2101398

Site Data: **2381 Long Hill Rd, Guilford, New Haven County, CT 06437**
Latitude 41° 20' 47.34", Longitude -72° 43' 23.15"
176 Foot – EEI 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 – 79.4%

This analysis utilizes an ultimate 3-second gust wind speed of 130 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



G. Lance Cooke
2021.05.05
12:58:31-07'00'

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1) INTRODUCTION

This tower is a 176 ft monopole tower designed by Engineered Endeavors, Inc.

The tower was modified multiple times in the past to accommodate additional loading. All the modifications are considered in this analysis per their respective post modification inspection reports.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	130 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)
145.0	145.0	3	amphenol	BXA-70063-6CF-EDIN-X w/ Mount Pipe	11 2	1-5/8 1-1/2
		6	commscope	JAHH-65B-R3B w/ Mount Pipe		
		3	vzw	Sub6 Antenna - VZS01 w/ Mount Pipe		
		3	commscope	CBC78T-DS-43-2X		
		3	samsung telecommunications	RFV01U-D1A		
		3	samsung telecommunications	RFV01U-D2A		
		1	raycap	RVZDC-6627-PF-48		
		1	-	Platform Mount [LP 303-1]		

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)
176.0	178.0	3	commscope	DT465B-2XR w/ Mount Pipe	3 1	1/2 1-1/4
		3	rfs/celwave	APXVTM14-C-120 w/ Mount Pipe		
		3	alcatel lucent	RRH2X50-800		
	176.0	3	alcatel lucent	TD-RRH8x20-25		
		9	rfs/celwave	ACU-A20-N		
		1	-	Platform Mount [LP 712-1]		
174.0	176.0	3	alcatel lucent	800 EXTERNAL NOTCH FILTER	-	-
	175.0	3	alcatel lucent	800MHZ RRH		
	174.0	1	-	Side Arm Mount [SO 102-3]		
	173.0	3	alcatel lucent	PCS 1900MHz 4x45W-65MHz		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
167.0	167.0	3	cci antennas	HPA65R-BU6A w/ Mount Pipe	12 4 2 2 1	1-5/8 3/4 7/16 3/8 2C
		3	cci antennas	OPA65R-BU6D w/ Mount Pipe		
		3	kathrein	80010965 w/ Mount Pipe		
		3	powerwave technologies	7770.00 w/ Mount Pipe		
		6	powerwave technologies	LGP21401		
		3	ericsson	RRUS 4478 B14		
		3	ericsson	RRUS 8843 B2/B66A		
		3	ericsson	RRUS 4449 B5/B12		
		3	raycap	DC6-48-60-18-8F		
		1	Site Pro 1	Handrail Kit [#HRK12]		
		1	-	Platform Mount [LP 304-1]		
		1	-	Platform Mount [LP 304-1]		
155.0	155.0	3	ericsson	AIR 21 B4A/B2P w/ Mount Pipe	13	1-5/8
		3	ericsson	ERICSSON AIR 21 B2A B4P w/ Mount Pipe		
		3	rfs/celwave	APXVAARR18_43-U-NA20 w/ Mount Pipe		
		3	ericsson	KRY 112 144/1		
		3	ericsson	RADIO 4449 B12/B71		
		1	-	Platform Mount [LP 303-1_HR-1]		
50.0	51.0	1	lucent	KS24019-L112A	1	1/2
	50.0	1	-	Side Arm Mount [SO 701-1]		
10.0	12.0	1	kathrein	OG-860/1920/GPS-A	1	1/4
	10.0	1	-	Side Arm Mount [SO 701-1]		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
4-GEOTECHNICAL REPORTS	1532993	CCISITES
4-TOWER FOUNDATION DRAWINGS/DESIGN/SPECS	1614617	CCISITES
4-TOWER MANUFACTURER DRAWINGS	1613550	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	4318894	CCISITES
4-POST-MODIFICATION INSPECTION	5163807	CCISITES
4-TOWER REINFORCEMENT DESIGN/DRAWINGS/DATA	5650483	CCISITES
4-POST-MODIFICATION INSPECTION	5885207	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.

tnxTower was used to determine the loads on the modified structure. Additional calculations were performed to determine the stresses in the pole and in the reinforcing elements. These calculations are presented in Appendix C.

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.

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	% Capacity	Pass / Fail
L1	176 - 171	Pole	TP17.626x16.5x0.1875	Pole	9.8	Pass
L2	171 - 166	Pole	TP18.752x17.626x0.1875	Pole	19.8	Pass
L3	166 - 161	Pole	TP19.878x18.752x0.1875	Pole	34.1	Pass
L4	161 - 156	Pole	TP21.004x19.878x0.1875	Pole	46.0	Pass
L5	156 - 151	Pole	TP22.13x21.004x0.1875	Pole	59.5	Pass
L6	151 - 144.25	Pole	TP23.65x22.13x0.1875	Pole	67.4	Pass
L7	144.25 - 142.75	Pole	TP23.601x22.487x0.3125	Pole	46.6	Pass
L8	142.75 - 137.75	Pole	TP24.714x23.601x0.3125	Pole	53.1	Pass
L9	137.75 - 132.75	Pole	TP25.828x24.714x0.3125	Pole	58.6	Pass
L10	132.75 - 127.75	Pole	TP26.942x25.828x0.3125	Pole	63.1	Pass
L11	127.75 - 127.5	Pole	TP26.998x26.942x0.3125	Pole	63.3	Pass
L12	127.5 - 122.5	Pole	TP28.111x26.998x0.3125	Pole	67.0	Pass
L13	122.5 - 120.75	Pole	TP28.501x28.111x0.3125	Pole	68.2	Pass
L14	120.75 - 120.5	Pole	TP28.557x28.501x0.3125	Pole	68.4	Pass
L15	120.5 - 117.25	Pole	TP29.281x28.557x0.3125	Pole	70.3	Pass
L16	117.25 - 117	Pole + Reinf.	TP29.337x29.281x0.5375	Reinf. 4 Tension Rupture	66.2	Pass
L17	117 - 112	Pole + Reinf.	TP30.45x29.337x0.525	Reinf. 4 Tension Rupture	69.7	Pass
L18	112 - 107	Pole + Reinf.	TP31.564x30.45x0.525	Reinf. 4 Tension Rupture	72.9	Pass
L19	107 - 102	Pole + Reinf.	TP32.678x31.564x0.5125	Reinf. 4 Tension Rupture	75.7	Pass
L20	102 - 94.5833	Pole + Reinf.	TP34.33x32.678x0.5125	Reinf. 4 Tension Rupture	77.1	Pass
L21	94.5833 - 94.4167	Pole	TP33.741x32.628x0.375	Pole	69.2	Pass
L22	94.4167 - 89.4167	Pole	TP34.853x33.741x0.375	Pole	70.1	Pass
L23	89.4167 - 87.25	Pole	TP35.335x34.853x0.375	Pole	70.5	Pass
L24	87.25 - 87	Pole	TP35.391x35.335x0.375	Pole	70.6	Pass
L25	87 - 82	Pole	TP36.503x35.391x0.375	Pole	71.5	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
L26	82 - 77	Pole	TP37.616x36.503x0.375	Pole	72.7	Pass
L27	77 - 72	Pole	TP38.728x37.616x0.375	Pole	73.7	Pass
L28	72 - 67	Pole	TP39.841x38.728x0.375	Pole	74.6	Pass
L29	67 - 62	Pole	TP40.953x39.841x0.375	Pole	75.5	Pass
L30	62 - 61.5	Pole	TP41.064x40.953x0.375	Pole	75.5	Pass
L31	61.5 - 61.25	Pole + Reinf.	TP41.12x41.064x0.5875	Reinf. 2 Tension Rupture	73.2	Pass
L32	61.25 - 56.25	Pole + Reinf.	TP42.232x41.12x0.575	Reinf. 2 Tension Rupture	74.1	Pass
L33	56.25 - 46.9567	Pole + Reinf.	TP44.3x42.232x0.575	Reinf. 2 Tension Rupture	74.6	Pass
L34	46.9567 - 45.9567	Pole + Reinf.	TP43.773x42.197x0.575	Reinf. 2 Tension Rupture	77.8	Pass
L35	45.9567 - 40.9567	Pole + Reinf.	TP44.886x43.773x0.5625	Reinf. 2 Tension Rupture	78.5	Pass
L36	40.9567 - 35.9567	Pole + Reinf.	TP45.998x44.886x0.5625	Reinf. 2 Tension Rupture	79.0	Pass
L37	35.9567 - 32.25	Pole + Reinf.	TP46.823x45.998x0.5625	Reinf. 2 Tension Rupture	79.4	Pass
L38	32.25 - 32	Pole + Reinf.	TP46.879x46.823x0.775	Reinf. 2 Tension Rupture	57.4	Pass
L39	32 - 31.75	Pole + Reinf.	TP46.934x46.879x0.6125	Reinf. 1 Tension Rupture	71.6	Pass
L40	31.75 - 26.75	Pole + Reinf.	TP48.047x46.934x0.6125	Reinf. 1 Tension Rupture	72.1	Pass
L41	26.75 - 21.75	Pole + Reinf.	TP49.16x48.047x0.6125	Reinf. 1 Tension Rupture	72.5	Pass
L42	21.75 - 16.75	Pole + Reinf.	TP50.272x49.16x0.6	Reinf. 1 Tension Rupture	73.0	Pass
L43	16.75 - 11.75	Pole + Reinf.	TP51.385x50.272x0.6	Reinf. 1 Tension Rupture	73.4	Pass
L44	11.75 - 6.75	Pole + Reinf.	TP52.498x51.385x0.5875	Reinf. 1 Tension Rupture	73.7	Pass
L45	6.75 - 1.75	Pole + Reinf.	TP53.611x52.498x0.5875	Reinf. 1 Tension Rupture	74.0	Pass
L46	1.75 - 0	Pole + Reinf.	TP54x53.611x0.5875	Reinf. 1 Tension Rupture	74.1	Pass
					Summary	
				Pole	75.5	Pass
				Reinforcement	79.4	Pass
				Overall	79.4	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1	Anchor Rods	0	72.8	Pass
1	Base Plate		59.3	Pass
1	Base Foundation (Structure)	0	66.0	Pass
1	Base Foundation (Soil Interaction)		31.7	Pass

Structure Rating (max from all components) =	79.4%*
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Notes:

- 1) See additional documentation in "Appendix C – Additional Calculations" for calculations supporting the % capacity consumed.
- 2) *Rating per TIA-222-H, Section 15.5.

4.1) Recommendations

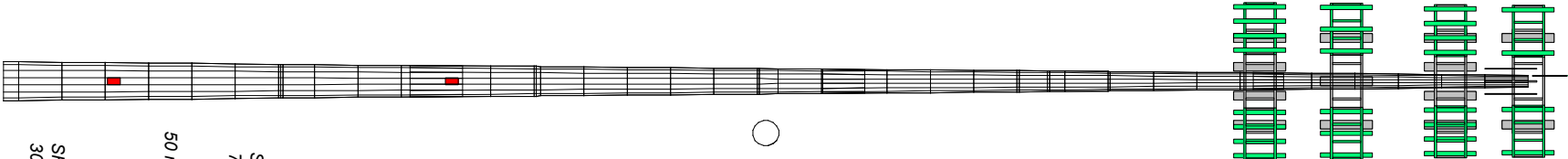
The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A
TNXTOWER OUTPUT

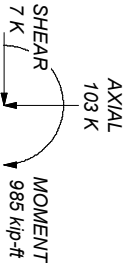
MATERIAL STRENGTH				
GRADE	Fy	Fu	GRADE	Fu
A572-65	65 ksi	80 ksi		

TOWER DESIGN NOTES

1. Tower is located in New Haven County, Connecticut.
2. Tower designed for Exposure B to the TIA-222-H Standard.
3. Tower designed for a 130 mph basic wind in accordance with the TIA-222-H Standard.
4. Tower is also designed for a 50 mph basic wind with 1.50 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Risk Category II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. CCIPOLE RATING: 79.4%



ALL REACTIONS
ARE FACTORED



TORQUE 0 kip-ft
50 mph WIND - 1,5000 in ICE

AXIAL
66 K



TORQUE 1 kip-ft
REACTIONS - 130 mph WIND

Section	46	45	44	43	42	41	40	39	37	36	35	34	33	32	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1				
Length (ft)	1.75	5.00	5.00	5.00	5.00	5.00	5.00	12.5	7.1	5.00	5.00	5.00	7.00	2.9	5.00	2.5	5.00	5.00	5.00	5.00	2.5	7.1	5.00	2.5	5.00	2.5	5.00	5.00	5.00	2.5	5.00	2.5	5.00	2.5	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00			
Number of Sides	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
Thickness (in)	0.58	0.58	0.58	0.58	0.58	0.60	0.60	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61			
Socket Length (ft)	6.08												4.83												3.50																							
Top Dia (in)	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6		
Bot Dia (in)	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
Grade	A572-65																																															
Weight (K)	32.5	0.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.1	1.0	1.3	1.3	1.3	1.8	2.4	1.2	0.1	0.8	0.8	0.8	0.7	0.7	0.0	0.3	0.7	0.7	1.3	0.8	0.8	0.8	0.0	0.3	0.2	0.5	0.0	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.2	0.2	0.2		

176.0 ft
171.0 ft
166.0 ft
161.0 ft
156.0 ft
151.0 ft
144.3 ft
137.8 ft
132.8 ft
127.8 ft
122.5 ft
120.8 ft
117.3 ft
112.0 ft
107.0 ft
102.0 ft
94.6 ft
89.4 ft
87.3 ft
82.0 ft
77.0 ft
72.0 ft
67.0 ft
62.0 ft
56.3 ft
47.0 ft
41.0 ft
36.0 ft
32.3 ft
26.8 ft
21.8 ft
16.8 ft
11.8 ft
6.8 ft
1.8 ft
0.0 ft



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Consulting Engineers

Job: **CN8-179 / 2101398**

Project: **876381 / Ward**

Client: **Crown Castle USA**

Code: **TIA-222-H**

Path: **C:\Users\Nelson.Murphy\AppData\Local\Temp\1\Job\CN8-179 BU 177831.WD 185370.dwg**

Drawn by: **NN**

Date: **05/05/21**

Scale: **NTS**

App'd:

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 is located in New Haven County, Connecticut.

Tower base elevation above sea level: 181.00 ft.

Basic wind speed of 130 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	Retention 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.
Include Bolts In Member Capacity	Autocalc Torque Arm Areas	Exemption
Leg Bolts Are At Top Of Section	Add IBC .6D+W Combination	Use TIA-222-H Tension Splice
Secondary Horizontal Braces Leg	Sort Capacity Reports By Component	Exemption
Use Diamond Inner Bracing (4 Sided)	Triangulate Diamond Inner Bracing	
SR Members Have Cut Ends	Treat Feed Line Bundles As Cylinder	Poles
SR Members Are Concentric	Ignore KL/ry For 60 Deg. Angle Legs	✓ Include Shear-Torsion Interaction
		Always Use Sub-Critical Flow
		Use Top Mounted Sockets
		Pole Without Linear Attachments
		Pole With Shroud Or No
		Appurtenances
		Outside and Inside Corner Radii Are
		Known

Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	176.00-171.00	5.00	0.00	18	16.5000	17.6260	0.1875	0.7500	A572-65 (65 ksi)
L2	171.00-166.00	5.00	0.00	18	17.6260	18.7520	0.1875	0.7500	A572-65

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L3	166.00-161.00	5.00	0.00	18	18.7520	19.8780	0.1875	0.7500	(65 ksi) A572-65
L4	161.00-156.00	5.00	0.00	18	19.8780	21.0039	0.1875	0.7500	(65 ksi) A572-65
L5	156.00-151.00	5.00	0.00	18	21.0039	22.1299	0.1875	0.7500	(65 ksi) A572-65
L6	151.00-144.25	6.75	3.50	18	22.1299	23.6500	0.1875	0.7500	(65 ksi) A572-65
L7	144.25-142.75	5.00	0.00	18	22.4868	23.6006	0.3125	1.2500	(65 ksi) A572-65
L8	142.75-137.75	5.00	0.00	18	23.6006	24.7144	0.3125	1.2500	(65 ksi) A572-65
L9	137.75-132.75	5.00	0.00	18	24.7144	25.8281	0.3125	1.2500	(65 ksi) A572-65
L10	132.75-127.75	5.00	0.00	18	25.8281	26.9419	0.3125	1.2500	(65 ksi) A572-65
L11	127.75-127.50	0.25	0.00	18	26.9419	26.9976	0.3125	1.2500	(65 ksi) A572-65
L12	127.50-122.50	5.00	0.00	18	26.9976	28.1114	0.3125	1.2500	(65 ksi) A572-65
L13	122.50-120.75	1.75	0.00	18	28.1114	28.5012	0.3125	1.2500	(65 ksi) A572-65
L14	120.75-120.50	0.25	0.00	18	28.5012	28.5569	0.3125	1.2500	(65 ksi) A572-65
L15	120.50-117.25	3.25	0.00	18	28.5569	29.2809	0.3125	1.2500	(65 ksi) A572-65
L16	117.25-117.00	0.25	0.00	18	29.2809	29.3366	0.5375	2.1500	(65 ksi) A572-65
L17	117.00-112.00	5.00	0.00	18	29.3366	30.4503	0.5250	2.1000	(65 ksi) A572-65
L18	112.00-107.00	5.00	0.00	18	30.4503	31.5641	0.5250	2.1000	(65 ksi) A572-65
L19	107.00-102.00	5.00	0.00	18	31.5641	32.6779	0.5125	2.0500	(65 ksi) A572-65
L20	102.00-94.58	7.42	4.83	18	32.6779	34.3300	0.5125	2.0500	(65 ksi) A572-65
L21	94.58-94.42	5.00	0.00	18	32.6283	33.7408	0.3750	1.5000	(65 ksi) A572-65
L22	94.42-89.42	5.00	0.00	18	33.7408	34.8532	0.3750	1.5000	(65 ksi) A572-65
L23	89.42-87.25	2.17	0.00	18	34.8532	35.3353	0.3750	1.5000	(65 ksi) A572-65
L24	87.25-87.00	0.25	0.00	18	35.3353	35.3909	0.3750	1.5000	(65 ksi) A572-65
L25	87.00-82.00	5.00	0.00	18	35.3909	36.5033	0.3750	1.5000	(65 ksi) A572-65
L26	82.00-77.00	5.00	0.00	18	36.5033	37.6158	0.3750	1.5000	(65 ksi) A572-65
L27	77.00-72.00	5.00	0.00	18	37.6158	38.7282	0.3750	1.5000	(65 ksi) A572-65
L28	72.00-67.00	5.00	0.00	18	38.7282	39.8406	0.3750	1.5000	(65 ksi) A572-65
L29	67.00-62.00	5.00	0.00	18	39.8406	40.9531	0.3750	1.5000	(65 ksi) A572-65
L30	62.00-61.50	0.50	0.00	18	40.9531	41.0643	0.3750	1.5000	(65 ksi) A572-65
L31	61.50-61.25	0.25	0.00	18	41.0643	41.1199	0.5875	2.3500	(65 ksi) A572-65
L32	61.25-56.25	5.00	0.00	18	41.1199	42.2324	0.5750	2.3000	(65 ksi) A572-65
L33	56.25-46.96	9.29	6.08	18	42.2324	44.3000	0.5750	2.3000	(65 ksi) A572-65
L34	46.96-45.96	7.08	0.00	18	42.1965	43.7729	0.5750	2.3000	(65 ksi) A572-65
L35	45.96-40.96	5.00	0.00	18	43.7729	44.8856	0.5625	2.2500	(65 ksi) A572-65
L36	40.96-35.96	5.00	0.00	18	44.8856	45.9982	0.5625	2.2500	(65 ksi) A572-65

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L37	35.96-32.25	3.71	0.00	18	45.9982	46.8231	0.5625	2.2500	A572-65 (65 ksi)
L38	32.25-32.00	0.25	0.00	18	46.8231	46.8788	0.7750	3.1000	A572-65 (65 ksi)
L39	32.00-31.75	0.25	0.00	18	46.8788	46.9344	0.6125	2.4500	A572-65 (65 ksi)
L40	31.75-26.75	5.00	0.00	18	46.9344	48.0471	0.6125	2.4500	A572-65 (65 ksi)
L41	26.75-21.75	5.00	0.00	18	48.0471	49.1598	0.6125	2.4500	A572-65 (65 ksi)
L42	21.75-16.75	5.00	0.00	18	49.1598	50.2725	0.6000	2.4000	A572-65 (65 ksi)
L43	16.75-11.75	5.00	0.00	18	50.2725	51.3852	0.6000	2.4000	A572-65 (65 ksi)
L44	11.75-6.75	5.00	0.00	18	51.3852	52.4979	0.5875	2.3500	A572-65 (65 ksi)
L45	6.75-1.75	5.00	0.00	18	52.4979	53.6106	0.5875	2.3500	A572-65 (65 ksi)
L46	1.75-0.00	1.75		18	53.6106	54.0000	0.5875	2.3500	A572-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L1	16.7256	9.7080	326.3677	5.7909	8.3820	38.9367	653.1649	4.8549	2.5740	13.728
	17.8690	10.3781	398.7235	6.1907	8.9540	44.5302	797.9717	5.1900	2.7722	14.785
L2	17.8690	10.3781	398.7235	6.1907	8.9540	44.5302	797.9717	5.1900	2.7722	14.785
	19.0123	11.0482	481.0533	6.5904	9.5260	50.4990	962.7396	5.5251	2.9703	15.842
L3	19.0123	11.0482	481.0533	6.5904	9.5260	50.4990	962.7396	5.5251	2.9703	15.842
	20.1557	11.7183	574.0011	6.9901	10.0980	56.8431	1148.7576	5.8603	3.1685	16.899
L4	20.1557	11.7183	574.0011	6.9901	10.0980	56.8431	1148.7576	5.8603	3.1685	16.899
	21.2990	12.3884	678.2110	7.3898	10.6700	63.5624	1357.3144	6.1954	3.3667	17.956
L5	21.2990	12.3884	678.2110	7.3898	10.6700	63.5624	1357.3144	6.1954	3.3667	17.956
	22.4424	13.0585	794.3269	7.7896	11.2420	70.6571	1589.6991	6.5305	3.5649	19.013
L6	22.4424	13.0585	794.3269	7.7896	11.2420	70.6571	1589.6991	6.5305	3.5649	19.013
	23.9859	13.9631	971.1102	8.3292	12.0142	80.8302	1943.4981	6.9829	3.8324	20.439
L7	23.9859	13.9631	971.1102	8.3292	12.0142	80.8302	1943.4981	6.9829	3.8324	20.439
	25.0474	14.6883	1188.2110	8.8627	12.8062	92.8302	2343.4981	7.4829	4.0777	21.905
L8	25.0474	14.6883	1188.2110	8.8627	12.8062	92.8302	2343.4981	7.4829	4.0777	21.905
	26.1784	15.3083	1420.8062	9.0581	13.1207	108.6563	2816.1020	7.6566	4.1918	22.786
L9	26.1784	15.3083	1420.8062	9.0581	13.1207	108.6563	2816.1020	7.6566	4.1918	22.786
	27.3093	16.0131	1666.3553	9.4534	13.6865	128.8970	3375.8243	7.9209	4.2016	23.445
L10	27.3093	16.0131	1666.3553	9.4534	13.6865	128.8970	3375.8243	7.9209	4.2016	23.445
	28.4969	16.7330	1920.2559	9.8686	14.2806	148.5085	4037.5676	8.2891	4.3976	24.072
L11	28.4969	16.7330	1920.2559	9.8686	14.2806	148.5085	4037.5676	8.2891	4.3976	24.072
	29.6844	17.4530	2180.8582	10.0268	14.7886	168.6233	4817.4096	8.5825	4.4662	24.292
L12	29.6844	17.4530	2180.8582	10.0268	14.7886	168.6233	4817.4096	8.5825	4.4662	24.292
	30.8391	18.1730	2440.5265	10.2039	15.0699	184.6332	5650.7683	8.8101	4.4760	24.323
L13	30.8391	18.1730	2440.5265	10.2039	15.0699	184.6332	5650.7683	8.8101	4.4760	24.323
	31.9701	18.8930	2700.2559	10.2838	15.3477	200.7947	6496.5201	9.0692	4.6034	24.731
L14	31.9701	18.8930	2700.2559	10.2838	15.3477	200.7947	6496.5201	9.0692	4.6034	24.731
	33.1011	19.6130	2960.8582	10.3627	15.6267	216.9332	7430.7683	9.2801	4.6313	25.072
L15	33.1011	19.6130	2960.8582	10.3627	15.6267	216.9332	7430.7683	9.2801	4.6313	25.072
	34.2321	20.3330	3220.5265	10.4417	15.9059	233.0732	8465.7683	9.4901	4.6603	25.413
L16	34.2321	20.3330	3220.5265	10.4417	15.9059	233.0732	8465.7683	9.4901	4.6603	25.413
	35.3631	21.0530	3480.2559	10.5207	16.1859	249.2132	9500.7683	9.6901	4.6893	25.754
L17	35.3631	21.0530	3480.2559	10.5207	16.1859	249.2132	9500.7683	9.6901	4.6893	25.754
	36.4941	21.7730	3740.8582	10.5997	16.4659	265.3532	10535.7683	9.8901	4.7183	26.095
L18	36.4941	21.7730	3740.8582	10.5997	16.4659	265.3532	10535.7683	9.8901	4.7183	26.095
	37.6251	22.4930	4000.5265	10.6787	16.7459	281.4932	11570.7683	10.0901	4.7473	26.436
L19	37.6251	22.4930	4000.5265	10.6787	16.7459	281.4932	11570.7683	10.0901	4.7473	26.436

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
L19	31.9720	50.5109	6153.0545	11.0233	16.0346	383.7368	12314.205	25.2602	4.6533	9.08
	33.1029	52.3226	6839.1925	11.4187	16.6004	411.9904	13687.384	26.1663	4.8493	9.462
L20	33.1029	52.3226	6839.1925	11.4187	16.6004	411.9904	13687.384	26.1663	4.8493	9.462
	34.7805	55.0101	7948.0893	12.0052	17.4396	455.7485	15906.636	27.5103	5.1401	10.029
L21	34.1658	38.3895	5045.4513	11.4499	16.5752	304.3976	10097.541	19.1984	5.0826	13.554
	34.2034	39.7136	5585.7246	11.8449	17.1403	325.8822	11178.799	19.8606	5.2784	14.076
L22	34.2034	39.7136	5585.7246	11.8449	17.1403	325.8822	11178.799	19.8606	5.2784	14.076
	35.3330	41.0377	6163.2522	12.2398	17.7054	348.0995	12334.614	20.5227	5.4742	14.598
L23	35.3330	41.0377	6163.2522	12.2398	17.7054	348.0995	12334.614	20.5227	5.4742	14.598
	35.8225	41.6115	6425.3957	12.4109	17.9503	357.9545	12859.246	20.8097	5.5590	14.824
L24	35.8225	41.6115	6425.3957	12.4109	17.9503	357.9545	12859.246	20.8097	5.5590	14.824
	35.8790	41.6777	6456.1129	12.4306	17.9786	359.1004	12920.720	20.8428	5.5688	14.85
L25	35.8790	41.6777	6456.1129	12.4306	17.9786	359.1004	12920.720	20.8428	5.5688	14.85
	37.0086	43.0017	7091.1886	12.8256	18.5437	382.4044	14191.708	21.5050	5.7646	15.372
L26	37.0086	43.0017	7091.1886	12.8256	18.5437	382.4044	14191.708	21.5050	5.7646	15.372
	38.1382	44.3258	7766.6031	13.2205	19.1088	406.4411	15543.425	22.1671	5.9604	15.894
L27	38.1382	44.3258	7766.6031	13.2205	19.1088	406.4411	15543.425	22.1671	5.9604	15.894
	39.2678	45.6499	8483.5985	13.6154	19.6739	431.2104	16978.359	22.8293	6.1562	16.416
L28	39.2678	45.6499	8483.5985	13.6154	19.6739	431.2104	16978.359	22.8293	6.1562	16.416
	40.3974	46.9740	9243.4168	14.0103	20.2390	456.7123	18498.996	23.4914	6.3519	16.939
L29	40.3974	46.9740	9243.4168	14.0103	20.2390	456.7123	18498.996	23.4914	6.3519	16.939
	41.5270	48.2980	10047.300	14.4052	20.8042	482.9469	20107.820	24.1536	6.5477	17.461
L30	41.5270	48.2980	10047.300	14.4052	20.8042	482.9469	20107.820	24.1536	6.5477	17.461
	41.6399	48.4304	10130.159	14.4447	20.8607	485.6106	20273.649	24.2198	6.5673	17.513
L31	41.6072	75.4781	15623.227	14.3693	20.8607	748.9324	31267.012	37.7462	6.1933	10.542
	41.6636	75.5818	15687.722	14.3890	20.8889	751.0069	31396.087	37.7981	6.2031	10.558
L32	41.6656	73.9965	15368.151	14.3934	20.8889	735.7083	30756.523	37.0053	6.2251	10.826
	42.7952	76.0268	16668.146	14.7884	21.4540	776.9236	33358.224	38.0206	6.4209	11.167
L33	42.7952	76.0268	16668.146	14.7884	21.4540	776.9236	33358.224	38.0206	6.4209	11.167
	44.8947	79.8003	19275.323	15.5224	22.5044	856.5135	38576.009	39.9077	6.7848	11.8
L34	44.1334	75.9614	16625.188	14.7756	21.4358	775.5790	33272.253	37.9879	6.4146	11.156
	44.3594	78.8382	18586.550	15.3352	22.2366	835.8536	37197.558	39.4266	6.6920	11.638
L35	44.3613	77.1467	18198.284	15.3397	22.2366	818.3929	36420.514	38.5807	6.7140	11.936
	45.4912	79.1333	19640.648	15.7347	22.8019	861.3617	39307.141	39.5742	6.9099	12.284
L36	45.4912	79.1333	19640.648	15.7347	22.8019	861.3617	39307.141	39.5742	6.9099	12.284

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	It/Q in ²	w in	w/t
			9				5			
	46.6211	81.1198	21157.281	16.1297	23.3671	905.4300	42342.402	40.5676	7.1057	12.632
			4				1			
L37	46.6211	81.1198	21157.281	16.1297	23.3671	905.4300	42342.402	40.5676	7.1057	12.632
			4				1			
	47.4587	82.5926	22330.645	16.4225	23.7861	938.8089	44690.674	41.3041	7.2509	12.89
			5				2			
L38	47.4259	113.2715	30344.628	16.3471	23.7861	1275.7270	60729.184	56.6465	6.8769	8.873
			0				2			
	47.4824	113.4083	30454.746	16.3668	23.8144	1278.8370	60949.566	56.7149	6.8867	8.886
			8				8			
L39	47.5074	89.9451	24324.478	16.4245	23.8144	1021.4185	48680.962	44.9811	7.1727	11.71
			0				8			
	47.5639	90.0532	24412.333	16.4443	23.8427	1023.8926	48856.789	45.0352	7.1825	11.726
			4				2			
L40	47.5639	90.0532	24412.333	16.4443	23.8427	1023.8926	48856.789	45.0352	7.1825	11.726
			4				2			
	48.6938	92.2164	26214.149	16.8393	24.4079	1074.0018	52462.793	46.1170	7.3783	12.046
			9				1			
L41	48.6938	92.2164	26214.149	16.8393	24.4079	1074.0018	52462.793	46.1170	7.3783	12.046
			9				1			
	49.8237	94.3796	28102.512	17.2343	24.9732	1125.3083	56242.003	47.1987	7.5741	12.366
			8				6			
L42	49.8256	92.4772	27550.262	17.2387	24.9732	1103.1945	55136.775	46.2474	7.5961	12.66
			2				7			
	50.9554	94.5963	29487.841	17.6337	25.5384	1154.6464	59014.484	47.3071	7.7920	12.987
			9				6			
L43	50.9554	94.5963	29487.841	17.6337	25.5384	1154.6464	59014.484	47.3071	7.7920	12.987
			9				6			
	52.0853	96.7153	31514.201	18.0287	26.1037	1207.2711	63069.870	48.3668	7.9878	13.313
			5				1			
L44	52.0872	94.7237	30880.446	18.0332	26.1037	1182.9927	61801.526	47.3708	8.0098	13.634
			6				6			
	53.2171	96.7986	32954.477	18.4282	26.6689	1235.6888	65952.317	48.4085	8.2056	13.967
			5				3			
L45	53.2171	96.7986	32954.477	18.4282	26.6689	1235.6888	65952.317	48.4085	8.2056	13.967
			5				3			
	54.3470	98.8734	35119.355	18.8232	27.2342	1289.5331	70284.921	49.4461	8.4015	14.3
			0				0			
L46	54.3470	98.8734	35119.355	18.8232	27.2342	1289.5331	70284.921	49.4461	8.4015	14.3
			0				0			
	54.7424	99.5996	35898.885	18.9614	27.4320	1308.6499	71845.006	49.8093	8.4700	14.417
			1				9			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _r	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
ft	ft ²	in							
L1 176.00- 171.00				1	1	1			
L2 171.00- 166.00				1	1	1			
L3 166.00- 161.00				1	1	1			
L4 161.00- 156.00				1	1	1			
L5 156.00- 151.00				1	1	1			
L6 151.00- 144.25				1	1	1			
L7 144.25- 142.75				1	1	1			
L8 142.75- 137.75				1	1	1			
L9 137.75- 132.75				1	1	1			
L10 132.75- 127.75				1	1	1			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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
ft	ft ²	in							
L11 127.75-127.50				1	1	1			
L12 127.50-122.50				1	1	1			
L13 122.50-120.75				1	1	1			
L14 120.75-120.50				1	1	1			
L15 120.50-117.25				1	1	1			
L16 117.25-117.00				1	1	0.952312			
L17 117.00-112.00				1	1	0.960445			
L18 112.00-107.00				1	1	0.94734			
L19 107.00-102.00				1	1	0.957579			
L20 102.00-94.58				1	1	0.951466			
L21 94.58-94.42				1	1	1			
L22 94.42-89.42				1	1	1			
L23 89.42-87.25				1	1	1			
L24 87.25-87.00				1	1	1			
L25 87.00-82.00				1	1	1			
L26 82.00-77.00				1	1	1			
L27 77.00-72.00				1	1	1			
L28 72.00-67.00				1	1	1			
L29 67.00-62.00				1	1	1			
L30 62.00-61.50				1	1	1			
L31 61.50-61.25				1	1	0.964154			
L32 61.25-56.25				1	1	0.975927			
L33 56.25-46.96				1	1	0.97047			
L34 46.96-45.96				1	1	0.964382			
L35 45.96-40.96				1	1	0.977523			
L36 40.96-35.96				1	1	0.96991			
L37 35.96-32.25				1	1	0.964503			
L38 32.25-32.00				1	1	0.989594			
L39 32.00-31.75				1	1	0.976295			
L40 31.75-26.75				1	1	0.967755			
L41 26.75-21.75				1	1	0.959607			
L42 21.75-16.75				1	1	0.971409			
L43 16.75-11.75				1	1	0.963819			
L44 11.75-				1	1	0.976672			

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_r	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
ft	ft ²	in							
6.75									
L45 6.75-1.75				1	1	0.969571			
L46 1.75-0.00				1	1	0.967156			

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

Safety Line 3/8"	A	No	Surface Ar (CaAa)	176.00 - 11.00	1	1	-0.250 -0.250	0.3750		0.22
Climbing Pegs	A	No	Surface Ar (CaAa)	176.00 - 11.00	1	1	-0.300 -0.200	0.7050		1.80

(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	35.00 - 0.00	1	1	-0.417 -0.417	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	35.00 - 0.00	1	1	0.417 0.417	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	35.00 - 0.00	1	1	0.083 0.083	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	35.00 - 0.00	1	1	-0.083 -0.083	6.5000	15.5000	0.00

(Area) CCI-65FP-065125 (H)	A	No	Surface Af (CaAa)	64.25 - 29.25	1	1	-0.250 -0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	B	No	Surface Af (CaAa)	64.25 - 29.25	1	1	-0.250 -0.250	6.5000	15.5000	0.00
(Area) CCI-65FP-065125 (H)	C	No	Surface Af (CaAa)	64.25 - 29.25	1	1	-0.250 -0.250	6.5000	15.5000	0.00

CCI-65FP-060100	A	No	Surface Af (CaAa)	89.25 - 64.25	1	1	-0.250 -0.250	6.0000	14.0000	20.42
CCI-65FP-060100	B	No	Surface Af (CaAa)	89.25 - 64.25	1	1	-0.250 -0.250	6.0000	14.0000	20.42
CCI-65FP-060100	C	No	Surface Af (CaAa)	89.25 - 64.25	1	1	-0.250 -0.250	6.0000	14.0000	20.42

(Area) CCI-65FP-060100 (H)	A	No	Surface Af (CaAa)	94.41 - 89.25	1	1	-0.250 -0.250	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	B	No	Surface Af (CaAa)	94.41 - 89.25	1	1	-0.250 -0.250	6.0000	14.0000	0.00
(Area) CCI-65FP-060100 (H)	C	No	Surface Af (CaAa)	94.41 - 89.25	1	1	-0.250 -0.250	6.0000	14.0000	0.00
CCI-65FP-060100	A	No	Surface Af (CaAa)	119.25 - 94.41	1	1	-0.250 -0.250	6.0000	14.0000	20.42
CCI-65FP-060100	B	No	Surface Af (CaAa)	119.25 - 94.41	1	1	-0.250 -0.250	6.0000	14.0000	20.42
CCI-65FP-060100	C	No	Surface Af (CaAa)	119.25 - 94.41	1	1	-0.250 -0.250	6.0000	14.0000	20.42

CCI-65FP-045100	A	No	Surface Af (CaAa)	129.25 - 119.25	1	1	-0.250 -0.250	4.5000	11.0000	15.31
CCI-65FP-045100	B	No	Surface Af (CaAa)	129.25 - 119.25	1	1	-0.250 -0.250	4.5000	11.0000	15.31
CCI-65FP-045100	C	No	Surface Af (CaAa)	129.25 - 119.25	1	1	-0.250 -0.250	4.5000	11.0000	15.31
HCS 6X12 4AWG(1-5/8)	C	No	Surface Ar (CaAa)	155.00 - 10.00	3	3	0.250 0.370	1.6600		2.40

LDF4-50A(1/2)	C	No	Surface Ar (CaAa)	50.00 - 10.00	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 _A A _A ft²/ft	Weight plf

HB114-21U3M12- XXXF(1-1/4)	C	No	No	Inside Pole	176.00 - 3.00	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
HYBRIFLEX RRH 1-SECTOR(1/2)	C	No	No	Inside Pole	176.00 - 3.00	3	No Ice	0.00	0.15
							1/2" Ice	0.00	0.15
							1" Ice	0.00	0.15
							2" Ice	0.00	0.15

LDF7-50A(1-5/8)	B	No	No	Inside Pole	167.00 - 10.00	12	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
FB-L98B-002- 75000(3/8)	B	No	No	Inside Pole	167.00 - 10.00	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
FB-L98B-034- XXX(3/8)	B	No	No	Inside Pole	167.00 - 10.00	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-VG122ST- BRDA(7/16)	B	No	No	Inside Pole	167.00 - 10.00	2	No Ice	0.00	0.14
							1/2" Ice	0.00	0.14
							1" Ice	0.00	0.14
							2" Ice	0.00	0.14
WR-VG86ST- BRD(3/4)	B	No	No	Inside Pole	167.00 - 10.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58
CONDUIT (2)	B	No	No	Inside Pole	167.00 - 10.00	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

WR-VG86ST- BRD(3/4)	B	No	No	Inside Pole	167.00 - 10.00	2	No Ice	0.00	0.58
							1/2" Ice	0.00	0.58
							1" Ice	0.00	0.58
							2" Ice	0.00	0.58

LDF7-50A(1-5/8)	C	No	No	Inside Pole	155.00 - 10.00	9	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
MLE HYBRID 9POWER/18FIBER RL 2(1-5/8)	C	No	No	Inside Pole	155.00 - 10.00	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

LDF7-50A(1-5/8)	A	No	No	Inside Pole	145.00 - 10.00	11	No Ice	0.00	0.82
							1/2" Ice	0.00	0.82
							1" Ice	0.00	0.82
							2" Ice	0.00	0.82
MLC HYBRID 6X12 LI(1-1/2)	A	No	No	Inside Pole	145.00 - 10.00	2	No Ice	0.00	1.85
							1/2" Ice	0.00	1.85
							1" Ice	0.00	1.85
							2" Ice	0.00	1.85

LDF1-50A(1/4)	C	No	No	Inside Pole	10.00 - 10.00	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

Feed Line/Linear Appurtenances Section Areas

Tower Section <i>n</i>	Tower Elevation <i>ft</i>	Face	A_R <i>ft²</i>	A_F <i>ft²</i>	C_{AA} In Face <i>ft²</i>	C_{AA} Out Face <i>ft²</i>	Weight <i>K</i>
L1	176.00-171.00	A	0.000	0.000	0.540	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.01
L2	171.00-166.00	A	0.000	0.000	0.540	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.02
		C	0.000	0.000	0.000	0.000	0.01
L3	166.00-161.00	A	0.000	0.000	0.540	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.01
L4	161.00-156.00	A	0.000	0.000	0.540	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.08
		C	0.000	0.000	0.000	0.000	0.01
L5	156.00-151.00	A	0.000	0.000	0.540	0.000	0.01
		B	0.000	0.000	0.000	0.000	0.08
		C	0.000	0.000	1.992	0.000	0.07
L6	151.00-144.25	A	0.000	0.000	0.729	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.10
		C	0.000	0.000	3.361	0.000	0.12
L7	144.25-142.75	A	0.000	0.000	0.162	0.000	0.02
		B	0.000	0.000	0.000	0.000	0.02
		C	0.000	0.000	0.747	0.000	0.03
L8	142.75-137.75	A	0.000	0.000	0.540	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.08
		C	0.000	0.000	2.490	0.000	0.09
L9	137.75-132.75	A	0.000	0.000	0.540	0.000	0.07
		B	0.000	0.000	0.000	0.000	0.08
		C	0.000	0.000	2.490	0.000	0.09
L10	132.75-127.75	A	0.000	0.000	1.665	0.000	0.10
		B	0.000	0.000	1.125	0.000	0.10
		C	0.000	0.000	3.615	0.000	0.11
L11	127.75-127.50	A	0.000	0.000	0.215	0.000	0.01
		B	0.000	0.000	0.188	0.000	0.01
		C	0.000	0.000	0.312	0.000	0.01
L12	127.50-122.50	A	0.000	0.000	4.290	0.000	0.15
		B	0.000	0.000	3.750	0.000	0.15
		C	0.000	0.000	6.240	0.000	0.16
L13	122.50-120.75	A	0.000	0.000	1.502	0.000	0.05
		B	0.000	0.000	1.313	0.000	0.05
		C	0.000	0.000	2.184	0.000	0.06
L14	120.75-120.50	A	0.000	0.000	0.215	0.000	0.01
		B	0.000	0.000	0.188	0.000	0.01
		C	0.000	0.000	0.312	0.000	0.01
L15	120.50-117.25	A	0.000	0.000	3.289	0.000	0.11
		B	0.000	0.000	2.938	0.000	0.11
		C	0.000	0.000	4.556	0.000	0.12
L16	117.25-117.00	A	0.000	0.000	0.277	0.000	0.01
		B	0.000	0.000	0.250	0.000	0.01
		C	0.000	0.000	0.375	0.000	0.01
L17	117.00-112.00	A	0.000	0.000	5.540	0.000	0.18
		B	0.000	0.000	5.000	0.000	0.18
		C	0.000	0.000	7.490	0.000	0.19
L18	112.00-107.00	A	0.000	0.000	5.540	0.000	0.18
		B	0.000	0.000	5.000	0.000	0.18
		C	0.000	0.000	7.490	0.000	0.19
L19	107.00-102.00	A	0.000	0.000	5.540	0.000	0.18
		B	0.000	0.000	5.000	0.000	0.18
		C	0.000	0.000	7.490	0.000	0.19
L20	102.00-94.58	A	0.000	0.000	8.218	0.000	0.26
		B	0.000	0.000	7.417	0.000	0.27
		C	0.000	0.000	11.110	0.000	0.28
L21	94.58-94.42	A	0.000	0.000	0.185	0.000	0.01
		B	0.000	0.000	0.167	0.000	0.01
		C	0.000	0.000	0.250	0.000	0.01
L22	94.42-89.42	A	0.000	0.000	4.306	0.000	0.07
		B	0.000	0.000	3.766	0.000	0.08

Tower Sectio n	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L23	89.42-87.25	C	0.000	0.000	6.256	0.000	0.09
		A	0.000	0.000	2.360	0.000	0.07
		B	0.000	0.000	2.126	0.000	0.07
L24	87.25-87.00	C	0.000	0.000	3.205	0.000	0.08
		A	0.000	0.000	0.277	0.000	0.01
		B	0.000	0.000	0.250	0.000	0.01
L25	87.00-82.00	C	0.000	0.000	0.375	0.000	0.01
		A	0.000	0.000	5.540	0.000	0.18
		B	0.000	0.000	5.000	0.000	0.18
L26	82.00-77.00	C	0.000	0.000	7.490	0.000	0.19
		A	0.000	0.000	5.540	0.000	0.18
		B	0.000	0.000	5.000	0.000	0.18
L27	77.00-72.00	C	0.000	0.000	7.490	0.000	0.19
		A	0.000	0.000	5.540	0.000	0.18
		B	0.000	0.000	5.000	0.000	0.18
L28	72.00-67.00	C	0.000	0.000	7.490	0.000	0.19
		A	0.000	0.000	5.540	0.000	0.18
		B	0.000	0.000	5.000	0.000	0.18
L29	67.00-62.00	C	0.000	0.000	7.490	0.000	0.19
		A	0.000	0.000	5.728	0.000	0.13
		B	0.000	0.000	5.188	0.000	0.13
L30	62.00-61.50	C	0.000	0.000	7.677	0.000	0.14
		A	0.000	0.000	0.596	0.000	0.01
		B	0.000	0.000	0.542	0.000	0.01
L31	61.50-61.25	C	0.000	0.000	0.791	0.000	0.01
		A	0.000	0.000	0.298	0.000	0.00
		B	0.000	0.000	0.271	0.000	0.00
L32	61.25-56.25	C	0.000	0.000	0.395	0.000	0.00
		A	0.000	0.000	5.957	0.000	0.07
		B	0.000	0.000	5.417	0.000	0.08
L33	56.25-46.96	C	0.000	0.000	7.907	0.000	0.09
		A	0.000	0.000	11.071	0.000	0.14
		B	0.000	0.000	10.068	0.000	0.14
L34	46.96-45.96	C	0.000	0.000	14.886	0.000	0.16
		A	0.000	0.000	1.191	0.000	0.01
		B	0.000	0.000	1.083	0.000	0.02
L35	45.96-40.96	C	0.000	0.000	1.644	0.000	0.02
		A	0.000	0.000	5.957	0.000	0.07
		B	0.000	0.000	5.417	0.000	0.08
L36	40.96-35.96	C	0.000	0.000	8.219	0.000	0.09
		A	0.000	0.000	5.957	0.000	0.07
		B	0.000	0.000	5.417	0.000	0.08
L37	35.96-32.25	C	0.000	0.000	8.219	0.000	0.09
		A	0.000	0.000	10.374	0.000	0.05
		B	0.000	0.000	6.995	0.000	0.06
L38	32.25-32.00	C	0.000	0.000	9.072	0.000	0.06
		A	0.000	0.000	0.840	0.000	0.00
		B	0.000	0.000	0.542	0.000	0.00
L39	32.00-31.75	C	0.000	0.000	0.682	0.000	0.00
		A	0.000	0.000	0.840	0.000	0.00
		B	0.000	0.000	0.542	0.000	0.00
L40	31.75-26.75	C	0.000	0.000	0.682	0.000	0.00
		A	0.000	0.000	14.082	0.000	0.07
		B	0.000	0.000	8.125	0.000	0.08
L41	26.75-21.75	C	0.000	0.000	10.928	0.000	0.09
		A	0.000	0.000	11.373	0.000	0.07
		B	0.000	0.000	5.417	0.000	0.08
L42	21.75-16.75	C	0.000	0.000	8.219	0.000	0.09
		A	0.000	0.000	11.373	0.000	0.07
		B	0.000	0.000	5.417	0.000	0.08
L43	16.75-11.75	C	0.000	0.000	8.219	0.000	0.09
		A	0.000	0.000	11.373	0.000	0.07
		B	0.000	0.000	5.417	0.000	0.08
L44	11.75-6.75	C	0.000	0.000	8.219	0.000	0.09
		A	0.000	0.000	10.914	0.000	0.02
		B	0.000	0.000	5.417	0.000	0.03
L45	6.75-1.75	C	0.000	0.000	6.398	0.000	0.04
		A	0.000	0.000	10.833	0.000	0.00
		B	0.000	0.000	5.417	0.000	0.00

Tower Section n	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L46	1.75-0.00	C	0.000	0.000	5.417	0.000	0.01
		A	0.000	0.000	3.792	0.000	0.00
		B	0.000	0.000	1.896	0.000	0.00
		C	0.000	0.000	1.896	0.000	0.00

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L1	176.00-171.00	A	1.505	0.000	0.000	3.550	0.000	0.05
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.01
L2	171.00-166.00	A	1.501	0.000	0.000	3.542	0.000	0.05
		B		0.000	0.000	0.000	0.000	0.02
		C		0.000	0.000	0.000	0.000	0.01
L3	166.00-161.00	A	1.496	0.000	0.000	3.532	0.000	0.05
		B		0.000	0.000	0.000	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.01
L4	161.00-156.00	A	1.492	0.000	0.000	3.523	0.000	0.05
		B		0.000	0.000	0.000	0.000	0.08
		C		0.000	0.000	0.000	0.000	0.01
L5	156.00-151.00	A	1.487	0.000	0.000	3.514	0.000	0.05
		B		0.000	0.000	0.000	0.000	0.08
		C		0.000	0.000	3.977	0.000	0.11
L6	151.00-144.25	A	1.481	0.000	0.000	4.728	0.000	0.07
		B		0.000	0.000	0.000	0.000	0.10
		C		0.000	0.000	6.701	0.000	0.18
L7	144.25-142.75	A	1.477	0.000	0.000	1.051	0.000	0.03
		B		0.000	0.000	0.000	0.000	0.02
		C		0.000	0.000	1.489	0.000	0.04
L8	142.75-137.75	A	1.473	0.000	0.000	3.487	0.000	0.11
		B		0.000	0.000	0.000	0.000	0.08
		C		0.000	0.000	4.954	0.000	0.14
L9	137.75-132.75	A	1.468	0.000	0.000	3.476	0.000	0.11
		B		0.000	0.000	0.000	0.000	0.08
		C		0.000	0.000	4.948	0.000	0.14
L10	132.75-127.75	A	1.463	0.000	0.000	4.838	0.000	0.15
		B		0.000	0.000	1.373	0.000	0.11
		C		0.000	0.000	6.314	0.000	0.17
L11	127.75-127.50	A	1.460	0.000	0.000	0.402	0.000	0.01
		B		0.000	0.000	0.229	0.000	0.01
		C		0.000	0.000	0.476	0.000	0.01
L12	127.50-122.50	A	1.457	0.000	0.000	8.027	0.000	0.23
		B		0.000	0.000	4.574	0.000	0.20
		C		0.000	0.000	9.507	0.000	0.26
L13	122.50-120.75	A	1.453	0.000	0.000	2.806	0.000	0.08
		B		0.000	0.000	1.600	0.000	0.07
		C		0.000	0.000	3.325	0.000	0.09
L14	120.75-120.50	A	1.451	0.000	0.000	0.401	0.000	0.01
		B		0.000	0.000	0.229	0.000	0.01
		C		0.000	0.000	0.475	0.000	0.01
L15	120.50-117.25	A	1.449	0.000	0.000	5.957	0.000	0.16
		B		0.000	0.000	3.722	0.000	0.14
		C		0.000	0.000	6.923	0.000	0.18
L16	117.25-117.00	A	1.447	0.000	0.000	0.494	0.000	0.01
		B		0.000	0.000	0.322	0.000	0.01
		C		0.000	0.000	0.568	0.000	0.01
L17	117.00-112.00	A	1.444	0.000	0.000	9.872	0.000	0.27
		B		0.000	0.000	6.444	0.000	0.23
		C		0.000	0.000	11.361	0.000	0.29
L18	112.00-107.00	A	1.437	0.000	0.000	9.852	0.000	0.26
		B		0.000	0.000	6.437	0.000	0.23
		C		0.000	0.000	11.347	0.000	0.29
L19	107.00-102.00	A	1.431	0.000	0.000	9.832	0.000	0.26
		B		0.000	0.000	6.431	0.000	0.23

Tower Sectio n	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
		C		0.000	0.000	11.332	0.000	0.29
L20	102.00-94.58	A	1.422	0.000	0.000	14.546	0.000	0.39
		B		0.000	0.000	9.526	0.000	0.34
		C		0.000	0.000	16.779	0.000	0.43
L21	94.58-94.42	A	1.416	0.000	0.000	0.327	0.000	0.01
		B		0.000	0.000	0.214	0.000	0.01
		C		0.000	0.000	0.377	0.000	0.01
L22	94.42-89.42	A	1.413	0.000	0.000	7.900	0.000	0.16
		B		0.000	0.000	4.535	0.000	0.13
		C		0.000	0.000	9.413	0.000	0.19
L23	89.42-87.25	A	1.407	0.000	0.000	4.167	0.000	0.11
		B		0.000	0.000	2.714	0.000	0.10
		C		0.000	0.000	4.825	0.000	0.12
L24	87.25-87.00	A	1.405	0.000	0.000	0.488	0.000	0.01
		B		0.000	0.000	0.320	0.000	0.01
		C		0.000	0.000	0.564	0.000	0.01
L25	87.00-82.00	A	1.401	0.000	0.000	9.742	0.000	0.26
		B		0.000	0.000	6.401	0.000	0.23
		C		0.000	0.000	11.264	0.000	0.29
L26	82.00-77.00	A	1.392	0.000	0.000	9.716	0.000	0.26
		B		0.000	0.000	6.392	0.000	0.23
		C		0.000	0.000	11.245	0.000	0.29
L27	77.00-72.00	A	1.383	0.000	0.000	9.689	0.000	0.26
		B		0.000	0.000	6.383	0.000	0.23
		C		0.000	0.000	11.225	0.000	0.29
L28	72.00-67.00	A	1.374	0.000	0.000	9.661	0.000	0.26
		B		0.000	0.000	6.374	0.000	0.23
		C		0.000	0.000	11.203	0.000	0.29
L29	67.00-62.00	A	1.363	0.000	0.000	9.818	0.000	0.21
		B		0.000	0.000	6.551	0.000	0.19
		C		0.000	0.000	11.368	0.000	0.24
L30	62.00-61.50	A	1.357	0.000	0.000	1.003	0.000	0.02
		B		0.000	0.000	0.677	0.000	0.01
		C		0.000	0.000	1.158	0.000	0.02
L31	61.50-61.25	A	1.357	0.000	0.000	0.501	0.000	0.01
		B		0.000	0.000	0.339	0.000	0.01
		C		0.000	0.000	0.579	0.000	0.01
L32	61.25-56.25	A	1.351	0.000	0.000	10.009	0.000	0.16
		B		0.000	0.000	6.767	0.000	0.13
		C		0.000	0.000	11.568	0.000	0.19
L33	56.25-46.96	A	1.333	0.000	0.000	18.505	0.000	0.29
		B		0.000	0.000	12.546	0.000	0.24
		C		0.000	0.000	22.430	0.000	0.35
L34	46.96-45.96	A	1.319	0.000	0.000	1.991	0.000	0.03
		B		0.000	0.000	1.350	0.000	0.03
		C		0.000	0.000	2.635	0.000	0.04
L35	45.96-40.96	A	1.311	0.000	0.000	9.888	0.000	0.16
		B		0.000	0.000	6.727	0.000	0.13
		C		0.000	0.000	13.101	0.000	0.20
L36	40.96-35.96	A	1.295	0.000	0.000	9.841	0.000	0.15
		B		0.000	0.000	6.711	0.000	0.13
		C		0.000	0.000	13.049	0.000	0.20
L37	35.96-32.25	A	1.279	0.000	0.000	14.626	0.000	0.17
		B		0.000	0.000	8.647	0.000	0.12
		C		0.000	0.000	13.319	0.000	0.17
L38	32.25-32.00	A	1.272	0.000	0.000	1.157	0.000	0.01
		B		0.000	0.000	0.669	0.000	0.01
		C		0.000	0.000	0.983	0.000	0.01
L39	32.00-31.75	A	1.271	0.000	0.000	1.157	0.000	0.01
		B		0.000	0.000	0.669	0.000	0.01
		C		0.000	0.000	0.983	0.000	0.01
L40	31.75-26.75	A	1.260	0.000	0.000	19.750	0.000	0.23
		B		0.000	0.000	10.015	0.000	0.15
		C		0.000	0.000	16.274	0.000	0.22
L41	26.75-21.75	A	1.236	0.000	0.000	16.318	0.000	0.20
		B		0.000	0.000	6.653	0.000	0.13
		C		0.000	0.000	12.860	0.000	0.19
L42	21.75-16.75	A	1.208	0.000	0.000	16.205	0.000	0.19
		B		0.000	0.000	6.625	0.000	0.12

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
L43	16.75-11.75	C	1.172	0.000	0.000	12.768	0.000	0.19
		A		0.000	0.000	16.062	0.000	0.19
		B		0.000	0.000	6.589	0.000	0.12
L44	11.75-6.75	C	1.123	0.000	0.000	12.651	0.000	0.18
		A		0.000	0.000	13.496	0.000	0.11
		B		0.000	0.000	6.539	0.000	0.07
L45	6.75-1.75	C	1.039	0.000	0.000	8.622	0.000	0.10
		A		0.000	0.000	12.910	0.000	0.08
		B		0.000	0.000	6.455	0.000	0.04
L46	1.75-0.00	C	0.887	0.000	0.000	6.455	0.000	0.05
		A		0.000	0.000	4.412	0.000	0.02
		B		0.000	0.000	2.206	0.000	0.01
		C		0.000	0.000	2.206	0.000	0.01

Feed Line Center of Pressure

Section	Elevation ft	CP_x in	CP_z in	CP_x Ice in	CP_z Ice in
L1	176.00-171.00	-0.8216	0.0000	-2.2812	0.0000
L2	171.00-166.00	-0.8246	0.0000	-2.3262	0.0000
L3	166.00-161.00	-0.8272	0.0000	-2.3671	0.0000
L4	161.00-156.00	-0.8296	0.0000	-2.4043	0.0000
L5	156.00-151.00	-2.1817	2.0161	-3.0100	1.6629
L6	151.00-144.25	-2.4595	2.4126	-3.1862	1.9856
L7	144.25-142.75	-2.4749	2.4271	-3.2239	2.0080
L8	142.75-137.75	-2.4927	2.4438	-3.2650	2.0348
L9	137.75-132.75	-2.5188	2.4682	-3.3302	2.0753
L10	132.75-127.75	-1.9528	1.9128	-2.9297	1.8258
L11	127.75-127.50	-1.2831	1.2565	-2.2518	1.4034
L12	127.50-122.50	-1.2992	1.2720	-2.2801	1.4212
L13	122.50-120.75	-1.3195	1.2916	-2.3158	1.4436
L14	120.75-120.50	-1.3254	1.2973	-2.3262	1.4502
L15	120.50-117.25	-1.2149	1.1890	-2.1614	1.3476
L16	117.25-117.00	-1.1599	1.1350	-2.0787	1.2962
L17	117.00-112.00	-1.1741	1.1488	-2.1036	1.3120
L18	112.00-107.00	-1.2008	1.1745	-2.1499	1.3415
L19	107.00-102.00	-1.2268	1.1996	-2.1947	1.3702
L20	102.00-94.58	-1.2582	1.2299	-2.2482	1.4048
L21	94.58-94.42	-1.2628	1.2343	-2.2571	1.4102
L22	94.42-89.42	-1.4650	1.4318	-2.5698	1.6079
L23	89.42-87.25	-1.3057	1.2759	-2.3241	1.4550
L24	87.25-87.00	-1.2986	1.2689	-2.3133	1.4486
L25	87.00-82.00	-1.3111	1.2809	-2.3337	1.4622
L26	82.00-77.00	-1.3344	1.3034	-2.3715	1.4874
L27	77.00-72.00	-1.3572	1.3254	-2.4077	1.5119
L28	72.00-67.00	-1.3795	1.3469	-2.4423	1.5357
L29	67.00-62.00	-1.3759	1.3431	-2.4486	1.5420
L30	62.00-61.50	-1.3577	1.3253	-2.4341	1.5342
L31	61.50-61.25	-1.3597	1.3272	-2.4372	1.5363
L32	61.25-56.25	-1.3706	1.3378	-2.4530	1.5477
L33	56.25-46.96	-1.3606	1.4221	-2.3594	1.7524
L34	46.96-45.96	-1.2890	1.5412	-2.1085	2.1029
L35	45.96-40.96	-1.3000	1.5542	-2.1141	2.1117
L36	40.96-35.96	-1.3179	1.5756	-2.1352	2.1351
L37	35.96-32.25	1.5786	2.5148	0.4023	2.7499
L38	32.25-32.00	2.2057	2.7255	1.0115	2.9053
L39	32.00-31.75	2.2074	2.7275	1.0127	2.9070
L40	31.75-26.75	2.6068	3.2202	1.1660	3.3257
L41	26.75-21.75	3.1878	3.9359	1.3829	3.8921
L42	21.75-16.75	3.2337	3.9906	1.4203	3.9343
L43	16.75-11.75	3.2789	4.0445	1.4624	3.9718
L44	11.75-6.75	4.4408	3.3238	3.4360	3.0730
L45	6.75-1.75	5.0167	2.8964	4.2295	2.4419
L46	1.75-0.00	5.0569	2.9196	4.2181	2.4353

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	Safety Line 3/8"	171.00 - 176.00	1.0000	1.0000
L1	3	Climbing Pegs	171.00 - 176.00	1.0000	1.0000
L2	2	Safety Line 3/8"	166.00 - 171.00	1.0000	1.0000
L2	3	Climbing Pegs	166.00 - 171.00	1.0000	1.0000
L3	2	Safety Line 3/8"	161.00 - 166.00	1.0000	1.0000
L3	3	Climbing Pegs	161.00 - 166.00	1.0000	1.0000
L4	2	Safety Line 3/8"	156.00 - 161.00	1.0000	1.0000
L4	3	Climbing Pegs	156.00 - 161.00	1.0000	1.0000
L5	2	Safety Line 3/8"	151.00 - 156.00	1.0000	1.0000
L5	3	Climbing Pegs	151.00 - 156.00	1.0000	1.0000
L5	42	HCS 6X12 4AWG(1-5/8)	151.00 - 155.00	1.0000	1.0000
L6	2	Safety Line 3/8"	144.25 - 151.00	1.0000	1.0000
L6	3	Climbing Pegs	144.25 - 151.00	1.0000	1.0000
L6	42	HCS 6X12 4AWG(1-5/8)	144.25 - 151.00	1.0000	1.0000
L7	2	Safety Line 3/8"	142.75 - 144.25	1.0000	1.0000
L7	3	Climbing Pegs	142.75 - 144.25	1.0000	1.0000
L7	42	HCS 6X12 4AWG(1-5/8)	142.75 - 144.25	1.0000	1.0000
L8	2	Safety Line 3/8"	137.75 - 142.75	1.0000	1.0000
L8	3	Climbing Pegs	137.75 - 142.75	1.0000	1.0000
L8	42	HCS 6X12 4AWG(1-5/8)	137.75 - 142.75	1.0000	1.0000
L9	2	Safety Line 3/8"	132.75 - 137.75	1.0000	1.0000
L9	3	Climbing Pegs	132.75 - 137.75	1.0000	1.0000
L9	42	HCS 6X12 4AWG(1-5/8)	132.75 - 137.75	1.0000	1.0000
L10	2	Safety Line 3/8"	127.75 - 132.75	1.0000	1.0000
L10	3	Climbing Pegs	127.75 - 132.75	1.0000	1.0000
L10	25	CCI-65FP-045100	127.75 - 129.25	1.0000	1.0000
L10	26	CCI-65FP-045100	127.75 - 129.25	1.0000	1.0000
L10	27	CCI-65FP-045100	127.75 - 129.25	1.0000	1.0000
L10	42	HCS 6X12 4AWG(1-5/8)	127.75 - 132.75	1.0000	1.0000
L11	2	Safety Line 3/8"	127.50 - 127.75	1.0000	1.0000
L11	3	Climbing Pegs	127.50 - 127.75	1.0000	1.0000
L11	25	CCI-65FP-045100	127.50 - 127.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L11	26	CCI-65FP-045100	127.50 - 127.75	1.0000	1.0000
L11	27	CCI-65FP-045100	127.50 - 127.75	1.0000	1.0000
L11	42	HCS 6X12 4AWG(1-5/8)	127.50 - 127.75	1.0000	1.0000
L12	2	Safety Line 3/8"	122.50 - 127.50	1.0000	1.0000
L12	3	Climbing Pegs	122.50 - 127.50	1.0000	1.0000
L12	25	CCI-65FP-045100	122.50 - 127.50	1.0000	1.0000
L12	26	CCI-65FP-045100	122.50 - 127.50	1.0000	1.0000
L12	27	CCI-65FP-045100	122.50 - 127.50	1.0000	1.0000
L12	42	HCS 6X12 4AWG(1-5/8)	122.50 - 127.50	1.0000	1.0000
L13	2	Safety Line 3/8"	120.75 - 122.50	1.0000	1.0000
L13	3	Climbing Pegs	120.75 - 122.50	1.0000	1.0000
L13	25	CCI-65FP-045100	120.75 - 122.50	1.0000	1.0000
L13	26	CCI-65FP-045100	120.75 - 122.50	1.0000	1.0000
L13	27	CCI-65FP-045100	120.75 - 122.50	1.0000	1.0000
L13	42	HCS 6X12 4AWG(1-5/8)	120.75 - 122.50	1.0000	1.0000
L14	2	Safety Line 3/8"	120.50 - 120.75	1.0000	1.0000
L14	3	Climbing Pegs	120.50 - 120.75	1.0000	1.0000
L14	25	CCI-65FP-045100	120.50 - 120.75	1.0000	1.0000
L14	26	CCI-65FP-045100	120.50 - 120.75	1.0000	1.0000
L14	27	CCI-65FP-045100	120.50 - 120.75	1.0000	1.0000
L14	42	HCS 6X12 4AWG(1-5/8)	120.50 - 120.75	1.0000	1.0000
L15	2	Safety Line 3/8"	117.25 - 120.50	1.0000	1.0000
L15	3	Climbing Pegs	117.25 - 120.50	1.0000	1.0000
L15	21	CCI-65FP-060100	117.25 - 119.25	1.0000	1.0000
L15	22	CCI-65FP-060100	117.25 - 119.25	1.0000	1.0000
L15	23	CCI-65FP-060100	117.25 - 119.25	1.0000	1.0000
L15	25	CCI-65FP-045100	119.25 - 120.50	1.0000	1.0000
L15	26	CCI-65FP-045100	119.25 - 120.50	1.0000	1.0000
L15	27	CCI-65FP-045100	119.25 - 120.50	1.0000	1.0000
L15	42	HCS 6X12 4AWG(1-5/8)	117.25 - 120.50	1.0000	1.0000
L16	2	Safety Line 3/8"	117.00 - 117.25	1.0000	1.0000
L16	3	Climbing Pegs	117.00 - 117.25	1.0000	1.0000
L16	21	CCI-65FP-060100	117.00 - 117.25	1.0000	1.0000
L16	22	CCI-65FP-060100	117.00 - 117.25	1.0000	1.0000
L16	23	CCI-65FP-060100	117.00 - 117.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L16	42	HCS 6X12 4AWG(1-5/8)	117.25 117.00 - 117.25	1.0000	1.0000
L17	2	Safety Line 3/8"	112.00 - 117.00	1.0000	1.0000
L17	3	Climbing Pegs	112.00 - 117.00	1.0000	1.0000
L17	21	CCI-65FP-060100	112.00 - 117.00	1.0000	1.0000
L17	22	CCI-65FP-060100	112.00 - 117.00	1.0000	1.0000
L17	23	CCI-65FP-060100	112.00 - 117.00	1.0000	1.0000
L17	42	HCS 6X12 4AWG(1-5/8)	112.00 - 117.00	1.0000	1.0000
L18	2	Safety Line 3/8"	107.00 - 112.00	1.0000	1.0000
L18	3	Climbing Pegs	107.00 - 112.00	1.0000	1.0000
L18	21	CCI-65FP-060100	107.00 - 112.00	1.0000	1.0000
L18	22	CCI-65FP-060100	107.00 - 112.00	1.0000	1.0000
L18	23	CCI-65FP-060100	107.00 - 112.00	1.0000	1.0000
L18	42	HCS 6X12 4AWG(1-5/8)	107.00 - 112.00	1.0000	1.0000
L19	2	Safety Line 3/8"	102.00 - 107.00	1.0000	1.0000
L19	3	Climbing Pegs	102.00 - 107.00	1.0000	1.0000
L19	21	CCI-65FP-060100	102.00 - 107.00	1.0000	1.0000
L19	22	CCI-65FP-060100	102.00 - 107.00	1.0000	1.0000
L19	23	CCI-65FP-060100	102.00 - 107.00	1.0000	1.0000
L19	42	HCS 6X12 4AWG(1-5/8)	102.00 - 107.00	1.0000	1.0000
L20	2	Safety Line 3/8"	94.58 - 102.00	1.0000	1.0000
L20	3	Climbing Pegs	94.58 - 102.00	1.0000	1.0000
L20	21	CCI-65FP-060100	94.58 - 102.00	1.0000	1.0000
L20	22	CCI-65FP-060100	94.58 - 102.00	1.0000	1.0000
L20	23	CCI-65FP-060100	94.58 - 102.00	1.0000	1.0000
L20	42	HCS 6X12 4AWG(1-5/8)	94.58 - 102.00	1.0000	1.0000
L21	2	Safety Line 3/8"	94.42 - 94.58	1.0000	1.0000
L21	3	Climbing Pegs	94.42 - 94.58	1.0000	1.0000
L21	21	CCI-65FP-060100	94.42 - 94.58	1.0000	1.0000
L21	22	CCI-65FP-060100	94.42 - 94.58	1.0000	1.0000
L21	23	CCI-65FP-060100	94.42 - 94.58	1.0000	1.0000
L21	42	HCS 6X12 4AWG(1-5/8)	94.42 - 94.58	1.0000	1.0000
L22	2	Safety Line 3/8"	89.42 - 94.42	1.0000	1.0000
L22	3	Climbing Pegs	89.42 - 94.42	1.0000	1.0000
L22	18	(Area) CCI-65FP-060100 (H)	89.42 - 94.41	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L22	19	(Area) CCI-65FP-060100 (H)	89.42 - 94.41	1.0000	1.0000
L22	20	(Area) CCI-65FP-060100 (H)	89.42 - 94.41	1.0000	1.0000
L22	21	CCI-65FP-060100	94.41 - 94.42	1.0000	1.0000
L22	22	CCI-65FP-060100	94.41 - 94.42	1.0000	1.0000
L22	23	CCI-65FP-060100	94.41 - 94.42	1.0000	1.0000
L22	42	HCS 6X12 4AWG(1-5/8)	89.42 - 94.42	1.0000	1.0000
L23	2	Safety Line 3/8"	87.25 - 89.42	1.0000	1.0000
L23	3	Climbing Pegs	87.25 - 89.42	1.0000	1.0000
L23	14	CCI-65FP-060100	87.25 - 89.25	1.0000	1.0000
L23	15	CCI-65FP-060100	87.25 - 89.25	1.0000	1.0000
L23	16	CCI-65FP-060100	87.25 - 89.25	1.0000	1.0000
L23	18	(Area) CCI-65FP-060100 (H)	89.25 - 89.42	1.0000	1.0000
L23	19	(Area) CCI-65FP-060100 (H)	89.25 - 89.42	1.0000	1.0000
L23	20	(Area) CCI-65FP-060100 (H)	89.25 - 89.42	1.0000	1.0000
L23	42	HCS 6X12 4AWG(1-5/8)	87.25 - 89.42	1.0000	1.0000
L24	2	Safety Line 3/8"	87.00 - 87.25	1.0000	1.0000
L24	3	Climbing Pegs	87.00 - 87.25	1.0000	1.0000
L24	14	CCI-65FP-060100	87.00 - 87.25	1.0000	1.0000
L24	15	CCI-65FP-060100	87.00 - 87.25	1.0000	1.0000
L24	16	CCI-65FP-060100	87.00 - 87.25	1.0000	1.0000
L24	42	HCS 6X12 4AWG(1-5/8)	87.00 - 87.25	1.0000	1.0000
L25	2	Safety Line 3/8"	82.00 - 87.00	1.0000	1.0000
L25	3	Climbing Pegs	82.00 - 87.00	1.0000	1.0000
L25	14	CCI-65FP-060100	82.00 - 87.00	1.0000	1.0000
L25	15	CCI-65FP-060100	82.00 - 87.00	1.0000	1.0000
L25	16	CCI-65FP-060100	82.00 - 87.00	1.0000	1.0000
L25	42	HCS 6X12 4AWG(1-5/8)	82.00 - 87.00	1.0000	1.0000
L26	2	Safety Line 3/8"	77.00 - 82.00	1.0000	1.0000
L26	3	Climbing Pegs	77.00 - 82.00	1.0000	1.0000
L26	14	CCI-65FP-060100	77.00 - 82.00	1.0000	1.0000
L26	15	CCI-65FP-060100	77.00 - 82.00	1.0000	1.0000
L26	16	CCI-65FP-060100	77.00 - 82.00	1.0000	1.0000
L26	42	HCS 6X12 4AWG(1-5/8)	77.00 - 82.00	1.0000	1.0000
L27	2	Safety Line 3/8"	72.00 - 77.00	1.0000	1.0000
L27	3	Climbing Pegs	72.00 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L27	14	CCI-65FP-060100	77.00 72.00 - 77.00	1.0000	1.0000
L27	15	CCI-65FP-060100	72.00 - 77.00	1.0000	1.0000
L27	16	CCI-65FP-060100	72.00 - 77.00	1.0000	1.0000
L27	42	HCS 6X12 4AWG(1-5/8)	72.00 - 77.00	1.0000	1.0000
L28	2	Safety Line 3/8"	67.00 - 72.00	1.0000	1.0000
L28	3	Climbing Pegs	67.00 - 72.00	1.0000	1.0000
L28	14	CCI-65FP-060100	67.00 - 72.00	1.0000	1.0000
L28	15	CCI-65FP-060100	67.00 - 72.00	1.0000	1.0000
L28	16	CCI-65FP-060100	67.00 - 72.00	1.0000	1.0000
L28	42	HCS 6X12 4AWG(1-5/8)	67.00 - 72.00	1.0000	1.0000
L29	2	Safety Line 3/8"	62.00 - 67.00	1.0000	1.0000
L29	3	Climbing Pegs	62.00 - 67.00	1.0000	1.0000
L29	10	(Area) CCI-65FP-065125 (H)	62.00 - 64.25	1.0000	1.0000
L29	11	(Area) CCI-65FP-065125 (H)	62.00 - 64.25	1.0000	1.0000
L29	12	(Area) CCI-65FP-065125 (H)	62.00 - 64.25	1.0000	1.0000
L29	14	CCI-65FP-060100	64.25 - 67.00	1.0000	1.0000
L29	15	CCI-65FP-060100	64.25 - 67.00	1.0000	1.0000
L29	16	CCI-65FP-060100	64.25 - 67.00	1.0000	1.0000
L29	42	HCS 6X12 4AWG(1-5/8)	62.00 - 67.00	1.0000	1.0000
L30	2	Safety Line 3/8"	61.50 - 62.00	1.0000	1.0000
L30	3	Climbing Pegs	61.50 - 62.00	1.0000	1.0000
L30	10	(Area) CCI-65FP-065125 (H)	61.50 - 62.00	1.0000	1.0000
L30	11	(Area) CCI-65FP-065125 (H)	61.50 - 62.00	1.0000	1.0000
L30	12	(Area) CCI-65FP-065125 (H)	61.50 - 62.00	1.0000	1.0000
L30	42	HCS 6X12 4AWG(1-5/8)	61.50 - 62.00	1.0000	1.0000
L31	2	Safety Line 3/8"	61.25 - 61.50	1.0000	1.0000
L31	3	Climbing Pegs	61.25 - 61.50	1.0000	1.0000
L31	10	(Area) CCI-65FP-065125 (H)	61.25 - 61.50	1.0000	1.0000
L31	11	(Area) CCI-65FP-065125 (H)	61.25 - 61.50	1.0000	1.0000
L31	12	(Area) CCI-65FP-065125 (H)	61.25 - 61.50	1.0000	1.0000
L31	42	HCS 6X12 4AWG(1-5/8)	61.25 - 61.50	1.0000	1.0000
L32	2	Safety Line 3/8"	56.25 - 61.25	1.0000	1.0000
L32	3	Climbing Pegs	56.25 - 61.25	1.0000	1.0000
L32	10	(Area) CCI-65FP-065125 (H)	56.25 - 61.25	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L32	11	(Area) CCI-65FP-065125 (H)	56.25 - 61.25	1.0000	1.0000
L32	12	(Area) CCI-65FP-065125 (H)	56.25 - 61.25	1.0000	1.0000
L32	42	HCS 6X12 4AWG(1-5/8)	56.25 - 61.25	1.0000	1.0000
L33	2	Safety Line 3/8"	46.96 - 56.25	1.0000	1.0000
L33	3	Climbing Pegs	46.96 - 56.25	1.0000	1.0000
L33	10	(Area) CCI-65FP-065125 (H)	46.96 - 56.25	1.0000	1.0000
L33	11	(Area) CCI-65FP-065125 (H)	46.96 - 56.25	1.0000	1.0000
L33	12	(Area) CCI-65FP-065125 (H)	46.96 - 56.25	1.0000	1.0000
L33	42	HCS 6X12 4AWG(1-5/8)	46.96 - 56.25	1.0000	1.0000
L33	50	LDF4-50A(1/2)	46.96 - 50.00	1.0000	1.0000
L34	2	Safety Line 3/8"	45.96 - 46.96	1.0000	1.0000
L34	3	Climbing Pegs	45.96 - 46.96	1.0000	1.0000
L34	10	(Area) CCI-65FP-065125 (H)	45.96 - 46.96	1.0000	1.0000
L34	11	(Area) CCI-65FP-065125 (H)	45.96 - 46.96	1.0000	1.0000
L34	12	(Area) CCI-65FP-065125 (H)	45.96 - 46.96	1.0000	1.0000
L34	42	HCS 6X12 4AWG(1-5/8)	45.96 - 46.96	1.0000	1.0000
L34	50	LDF4-50A(1/2)	45.96 - 46.96	1.0000	1.0000
L35	2	Safety Line 3/8"	40.96 - 45.96	1.0000	1.0000
L35	3	Climbing Pegs	40.96 - 45.96	1.0000	1.0000
L35	10	(Area) CCI-65FP-065125 (H)	40.96 - 45.96	1.0000	1.0000
L35	11	(Area) CCI-65FP-065125 (H)	40.96 - 45.96	1.0000	1.0000
L35	12	(Area) CCI-65FP-065125 (H)	40.96 - 45.96	1.0000	1.0000
L35	42	HCS 6X12 4AWG(1-5/8)	40.96 - 45.96	1.0000	1.0000
L35	50	LDF4-50A(1/2)	40.96 - 45.96	1.0000	1.0000
L36	2	Safety Line 3/8"	35.96 - 40.96	1.0000	1.0000
L36	3	Climbing Pegs	35.96 - 40.96	1.0000	1.0000
L36	10	(Area) CCI-65FP-065125 (H)	35.96 - 40.96	1.0000	1.0000
L36	11	(Area) CCI-65FP-065125 (H)	35.96 - 40.96	1.0000	1.0000
L36	12	(Area) CCI-65FP-065125 (H)	35.96 - 40.96	1.0000	1.0000
L36	42	HCS 6X12 4AWG(1-5/8)	35.96 - 40.96	1.0000	1.0000
L36	50	LDF4-50A(1/2)	35.96 - 40.96	1.0000	1.0000
L37	2	Safety Line 3/8"	32.25 - 35.96	1.0000	1.0000
L37	3	Climbing Pegs	32.25 - 35.96	1.0000	1.0000
L37	5	(Area) CCI-65FP-065125 (H)	32.25 - 35.00	1.0000	1.0000
L37	6	(Area) CCI-65FP-065125	32.25 -	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L37	7	(H) (Area) CCI-65FP-065125	35.00 32.25 -	1.0000	1.0000
L37	8	(H) (Area) CCI-65FP-065125	35.00 32.25 -	1.0000	1.0000
L37	10	(H) (Area) CCI-65FP-065125	35.00 32.25 -	1.0000	1.0000
L37	11	(H) (Area) CCI-65FP-065125	35.96 32.25 -	1.0000	1.0000
L37	12	(H) (Area) CCI-65FP-065125	35.96 32.25 -	1.0000	1.0000
L37	42	(H) HCS 6X12 4AWG(1-5/8)	35.96 32.25 -	1.0000	1.0000
L37	50	LDF4-50A(1/2)	35.96 32.25 -	1.0000	1.0000
L38	2	Safety Line 3/8"	32.00 - 32.25	1.0000	1.0000
L38	3	Climbing Pegs	32.00 - 32.25	1.0000	1.0000
L38	5	(Area) CCI-65FP-065125	32.00 - 32.25	1.0000	1.0000
L38	6	(H) (Area) CCI-65FP-065125	32.25 32.00 -	1.0000	1.0000
L38	7	(H) (Area) CCI-65FP-065125	32.25 32.00 -	1.0000	1.0000
L38	8	(H) (Area) CCI-65FP-065125	32.25 32.00 -	1.0000	1.0000
L38	10	(H) (Area) CCI-65FP-065125	32.25 32.00 -	1.0000	1.0000
L38	11	(H) (Area) CCI-65FP-065125	32.25 32.00 -	1.0000	1.0000
L38	12	(H) (Area) CCI-65FP-065125	32.25 32.00 -	1.0000	1.0000
L38	42	(H) HCS 6X12 4AWG(1-5/8)	32.25 32.00 -	1.0000	1.0000
L38	50	LDF4-50A(1/2)	32.25 32.00 -	1.0000	1.0000
L39	2	Safety Line 3/8"	32.25 31.75 -	1.0000	1.0000
L39	3	Climbing Pegs	32.00 31.75 -	1.0000	1.0000
L39	5	(Area) CCI-65FP-065125	32.00 31.75 -	1.0000	1.0000
L39	6	(H) (Area) CCI-65FP-065125	32.00 31.75 -	1.0000	1.0000
L39	7	(H) (Area) CCI-65FP-065125	32.00 31.75 -	1.0000	1.0000
L39	8	(H) (Area) CCI-65FP-065125	32.00 31.75 -	1.0000	1.0000
L39	10	(H) (Area) CCI-65FP-065125	32.00 31.75 -	1.0000	1.0000
L39	11	(H) (Area) CCI-65FP-065125	32.00 31.75 -	1.0000	1.0000
L39	12	(H) (Area) CCI-65FP-065125	32.00 31.75 -	1.0000	1.0000
L39	42	(H) HCS 6X12 4AWG(1-5/8)	32.00 31.75 -	1.0000	1.0000
L39	50	LDF4-50A(1/2)	32.00 31.75 -	1.0000	1.0000
L40	2	Safety Line 3/8"	32.00 26.75 -	1.0000	1.0000
L40	3	Climbing Pegs	31.75 26.75 -	1.0000	1.0000
L40	5	(Area) CCI-65FP-065125	31.75 26.75 -	1.0000	1.0000
L40	6	(H) (Area) CCI-65FP-065125	31.75 26.75 -	1.0000	1.0000
L40	7	(H) (Area) CCI-65FP-065125	31.75 26.75 -	1.0000	1.0000
L40		(H)	31.75		

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L40	8	(Area) CCI-65FP-065125 (H)	26.75 - 31.75	1.0000	1.0000
L40	10	(Area) CCI-65FP-065125 (H)	29.25 - 31.75	1.0000	1.0000
L40	11	(Area) CCI-65FP-065125 (H)	29.25 - 31.75	1.0000	1.0000
L40	12	(Area) CCI-65FP-065125 (H)	29.25 - 31.75	1.0000	1.0000
L40	42	HCS 6X12 4AWG(1-5/8)	26.75 - 31.75	1.0000	1.0000
L40	50	LDF4-50A(1/2)	26.75 - 31.75	1.0000	1.0000
L41	2	Safety Line 3/8"	21.75 - 26.75	1.0000	1.0000
L41	3	Climbing Pegs	21.75 - 26.75	1.0000	1.0000
L41	5	(Area) CCI-65FP-065125 (H)	21.75 - 26.75	1.0000	1.0000
L41	6	(Area) CCI-65FP-065125 (H)	21.75 - 26.75	1.0000	1.0000
L41	7	(Area) CCI-65FP-065125 (H)	21.75 - 26.75	1.0000	1.0000
L41	8	(Area) CCI-65FP-065125 (H)	21.75 - 26.75	1.0000	1.0000
L41	42	HCS 6X12 4AWG(1-5/8)	21.75 - 26.75	1.0000	1.0000
L41	50	LDF4-50A(1/2)	21.75 - 26.75	1.0000	1.0000
L42	2	Safety Line 3/8"	16.75 - 21.75	1.0000	1.0000
L42	3	Climbing Pegs	16.75 - 21.75	1.0000	1.0000
L42	5	(Area) CCI-65FP-065125 (H)	16.75 - 21.75	1.0000	1.0000
L42	6	(Area) CCI-65FP-065125 (H)	16.75 - 21.75	1.0000	1.0000
L42	7	(Area) CCI-65FP-065125 (H)	16.75 - 21.75	1.0000	1.0000
L42	8	(Area) CCI-65FP-065125 (H)	16.75 - 21.75	1.0000	1.0000
L42	42	HCS 6X12 4AWG(1-5/8)	16.75 - 21.75	1.0000	1.0000
L42	50	LDF4-50A(1/2)	16.75 - 21.75	1.0000	1.0000
L43	2	Safety Line 3/8"	11.75 - 16.75	1.0000	1.0000
L43	3	Climbing Pegs	11.75 - 16.75	1.0000	1.0000
L43	5	(Area) CCI-65FP-065125 (H)	11.75 - 16.75	1.0000	1.0000
L43	6	(Area) CCI-65FP-065125 (H)	11.75 - 16.75	1.0000	1.0000
L43	7	(Area) CCI-65FP-065125 (H)	11.75 - 16.75	1.0000	1.0000
L43	8	(Area) CCI-65FP-065125 (H)	11.75 - 16.75	1.0000	1.0000
L43	42	HCS 6X12 4AWG(1-5/8)	11.75 - 16.75	1.0000	1.0000
L43	50	LDF4-50A(1/2)	11.75 - 16.75	1.0000	1.0000
L44	2	Safety Line 3/8"	11.00 - 11.75	1.0000	1.0000
L44	3	Climbing Pegs	11.00 - 11.75	1.0000	1.0000
L44	5	(Area) CCI-65FP-065125 (H)	6.75 - 11.75	1.0000	1.0000
L44	6	(Area) CCI-65FP-065125 (H)	6.75 - 11.75	1.0000	1.0000
L44	7	(Area) CCI-65FP-065125	6.75 - 11.75	1.0000	1.0000

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L44	8	(H) (Area) CCI-65FP-065125	6.75 - 11.75	1.0000	1.0000
L44	42	(H) HCS 6X12 4AWG(1-5/8)	10.00 - 11.75	1.0000	1.0000
L44	50	LDF4-50A(1/2)	10.00 - 11.75	1.0000	1.0000
L45	5	(Area) CCI-65FP-065125	1.75 - 6.75	1.0000	1.0000
L45	6	(H) (Area) CCI-65FP-065125	1.75 - 6.75	1.0000	1.0000
L45	7	(H) (Area) CCI-65FP-065125	1.75 - 6.75	1.0000	1.0000
L45	8	(H) (Area) CCI-65FP-065125	1.75 - 6.75	1.0000	1.0000
L46	5	(H) (Area) CCI-65FP-065125	0.00 - 1.75	1.0000	1.0000
L46	6	(H) (Area) CCI-65FP-065125	0.00 - 1.75	1.0000	1.0000
L46	7	(H) (Area) CCI-65FP-065125	0.00 - 1.75	1.0000	1.0000
L46	8	(H) (Area) CCI-65FP-065125	0.00 - 1.75	1.0000	1.0000

Effective Width of Flat Linear Attachments / Feed Lines

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L10	25	CCI-65FP-045100	127.75 - 129.25	Auto	0.0750
L10	26	CCI-65FP-045100	127.75 - 129.25	Auto	0.0750
L10	27	CCI-65FP-045100	127.75 - 129.25	Auto	0.0750
L11	25	CCI-65FP-045100	127.50 - 127.75	Auto	0.0674
L11	26	CCI-65FP-045100	127.50 - 127.75	Auto	0.0674
L11	27	CCI-65FP-045100	127.50 - 127.75	Auto	0.0674
L12	25	CCI-65FP-045100	122.50 - 127.50	Auto	0.0445
L12	26	CCI-65FP-045100	122.50 - 127.50	Auto	0.0445
L12	27	CCI-65FP-045100	122.50 - 127.50	Auto	0.0445
L13	25	CCI-65FP-045100	120.75 - 122.50	Auto	0.0151
L13	26	CCI-65FP-045100	120.75 - 122.50	Auto	0.0151
L13	27	CCI-65FP-045100	120.75 - 122.50	Auto	0.0151
L14	25	CCI-65FP-045100	120.50 - 120.75	Auto	0.0064
L14	26	CCI-65FP-045100	120.50 - 120.75	Auto	0.0064
L14	27	CCI-65FP-045100	120.50 - 120.75	Auto	0.0064
L15	21	CCI-65FP-060100	117.25 -	Auto	0.2393

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L15	22	CCI-65FP-060100	119.25 - 117.25 - 119.25	Auto	0.2393
L15	23	CCI-65FP-060100	117.25 - 119.25	Auto	0.2393
L15	25	CCI-65FP-045100	119.25 - 120.50	Auto	0.0013
L15	26	CCI-65FP-045100	119.25 - 120.50	Auto	0.0013
L15	27	CCI-65FP-045100	119.25 - 120.50	Auto	0.0013
L16	21	CCI-65FP-060100	117.00 - 117.25	Auto	0.2979
L16	22	CCI-65FP-060100	117.00 - 117.25	Auto	0.2979
L16	23	CCI-65FP-060100	117.00 - 117.25	Auto	0.2979
L17	21	CCI-65FP-060100	112.00 - 117.00	Auto	0.2771
L17	22	CCI-65FP-060100	112.00 - 117.00	Auto	0.2771
L17	23	CCI-65FP-060100	112.00 - 117.00	Auto	0.2771
L18	21	CCI-65FP-060100	107.00 - 112.00	Auto	0.2445
L18	22	CCI-65FP-060100	107.00 - 112.00	Auto	0.2445
L18	23	CCI-65FP-060100	107.00 - 112.00	Auto	0.2445
L19	21	CCI-65FP-060100	102.00 - 107.00	Auto	0.2081
L19	22	CCI-65FP-060100	102.00 - 107.00	Auto	0.2081
L19	23	CCI-65FP-060100	102.00 - 107.00	Auto	0.2081
L20	21	CCI-65FP-060100	94.58 - 102.00	Auto	0.1676
L20	22	CCI-65FP-060100	94.58 - 102.00	Auto	0.1676
L20	23	CCI-65FP-060100	94.58 - 102.00	Auto	0.1676
L21	21	CCI-65FP-060100	94.42 - 94.58	Auto	0.1208
L21	22	CCI-65FP-060100	94.42 - 94.58	Auto	0.1208
L21	23	CCI-65FP-060100	94.42 - 94.58	Auto	0.1208
L22	18	(Area) CCI-65FP-060100 (H)	89.42 - 94.41	Auto	0.1039
L22	19	(Area) CCI-65FP-060100 (H)	89.42 - 94.41	Auto	0.1039
L22	20	(Area) CCI-65FP-060100 (H)	89.42 - 94.41	Auto	0.1039
L22	21	CCI-65FP-060100	94.41 - 94.42	Auto	0.1203
L22	22	CCI-65FP-060100	94.41 - 94.42	Auto	0.1203
L22	23	CCI-65FP-060100	94.41 - 94.42	Auto	0.1203
L23	14	CCI-65FP-060100	87.25 - 89.25	Auto	0.0800
L23	15	CCI-65FP-060100	87.25 - 89.25	Auto	0.0800
L23	16	CCI-65FP-060100	87.25 - 89.25	Auto	0.0800
L23	18	(Area) CCI-65FP-060100 (H)	89.25 - 89.42	Auto	0.0871
L23	19	(Area) CCI-65FP-060100	89.25 -	Auto	0.0871

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L23	20	(H) (Area) CCI-65FP-060100	89.42 89.25 - 89.42	Auto	0.0871
L24	14	CCI-65FP-060100	87.00 - 87.25	Auto	0.0727
L24	15	CCI-65FP-060100	87.00 - 87.25	Auto	0.0727
L24	16	CCI-65FP-060100	87.00 - 87.25	Auto	0.0727
L25	14	CCI-65FP-060100	82.00 - 87.00	Auto	0.0556
L25	15	CCI-65FP-060100	82.00 - 87.00	Auto	0.0556
L25	16	CCI-65FP-060100	82.00 - 87.00	Auto	0.0556
L26	14	CCI-65FP-060100	77.00 - 82.00	Auto	0.0229
L26	15	CCI-65FP-060100	77.00 - 82.00	Auto	0.0229
L26	16	CCI-65FP-060100	77.00 - 82.00	Auto	0.0229
L27	14	CCI-65FP-060100	72.00 - 77.00	Auto	0.0007
L27	15	CCI-65FP-060100	72.00 - 77.00	Auto	0.0007
L27	16	CCI-65FP-060100	72.00 - 77.00	Auto	0.0007
L28	14	CCI-65FP-060100	67.00 - 72.00	Auto	0.0000
L28	15	CCI-65FP-060100	67.00 - 72.00	Auto	0.0000
L28	16	CCI-65FP-060100	67.00 - 72.00	Auto	0.0000
L29	10	(Area) CCI-65FP-065125	62.00 - (H) 64.25	Auto	0.0014
L29	11	(Area) CCI-65FP-065125	62.00 - (H) 64.25	Auto	0.0014
L29	12	(Area) CCI-65FP-065125	62.00 - (H) 64.25	Auto	0.0014
L29	14	CCI-65FP-060100	64.25 - 67.00	Auto	0.0000
L29	15	CCI-65FP-060100	64.25 - 67.00	Auto	0.0000
L29	16	CCI-65FP-060100	64.25 - 67.00	Auto	0.0000
L30	10	(Area) CCI-65FP-065125	61.50 - (H) 62.00	Auto	0.0000
L30	11	(Area) CCI-65FP-065125	61.50 - (H) 62.00	Auto	0.0000
L30	12	(Area) CCI-65FP-065125	61.50 - (H) 62.00	Auto	0.0000
L31	10	(Area) CCI-65FP-065125	61.25 - (H) 61.50	Auto	0.0464
L31	11	(Area) CCI-65FP-065125	61.25 - (H) 61.50	Auto	0.0464
L31	12	(Area) CCI-65FP-065125	61.25 - (H) 61.50	Auto	0.0464
L32	10	(Area) CCI-65FP-065125	56.25 - (H) 61.25	Auto	0.0272
L32	11	(Area) CCI-65FP-065125	56.25 - (H) 61.25	Auto	0.0272
L32	12	(Area) CCI-65FP-065125	56.25 - (H) 61.25	Auto	0.0272
L33	10	(Area) CCI-65FP-065125	46.96 - (H) 56.25	Auto	0.0013
L33	11	(Area) CCI-65FP-065125	46.96 - (H) 56.25	Auto	0.0013
L33	12	(Area) CCI-65FP-065125	46.96 -	Auto	0.0013

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L34	10	(H) (Area) CCI-65FP-065125	56.25 45.96 - 46.96	Auto	0.0000
L34	11	(H) (Area) CCI-65FP-065125	45.96 - 46.96	Auto	0.0000
L34	12	(H) (Area) CCI-65FP-065125	45.96 - 46.96	Auto	0.0000
L35	10	(H) (Area) CCI-65FP-065125	40.96 - 45.96	Auto	0.0000
L35	11	(H) (Area) CCI-65FP-065125	40.96 - 45.96	Auto	0.0000
L35	12	(H) (Area) CCI-65FP-065125	40.96 - 45.96	Auto	0.0000
L36	10	(H) (Area) CCI-65FP-065125	35.96 - 40.96	Auto	0.0000
L36	11	(H) (Area) CCI-65FP-065125	35.96 - 40.96	Auto	0.0000
L36	12	(H) (Area) CCI-65FP-065125	35.96 - 40.96	Auto	0.0000
L37	5	(H) (Area) CCI-65FP-065125	32.25 - 35.00	Auto	0.0000
L37	6	(H) (Area) CCI-65FP-065125	32.25 - 35.00	Auto	0.0000
L37	7	(H) (Area) CCI-65FP-065125	32.25 - 35.00	Auto	0.0000
L37	8	(H) (Area) CCI-65FP-065125	32.25 - 35.00	Auto	0.0000
L37	10	(H) (Area) CCI-65FP-065125	32.25 - 35.96	Auto	0.0000
L37	11	(H) (Area) CCI-65FP-065125	32.25 - 35.96	Auto	0.0000
L37	12	(H) (Area) CCI-65FP-065125	32.25 - 35.96	Auto	0.0000
L38	5	(H) (Area) CCI-65FP-065125	32.00 - 32.25	Auto	0.0000
L38	6	(H) (Area) CCI-65FP-065125	32.00 - 32.25	Auto	0.0000
L38	7	(H) (Area) CCI-65FP-065125	32.00 - 32.25	Auto	0.0000
L38	8	(H) (Area) CCI-65FP-065125	32.00 - 32.25	Auto	0.0000
L38	10	(H) (Area) CCI-65FP-065125	32.00 - 32.25	Auto	0.0000
L38	11	(H) (Area) CCI-65FP-065125	32.00 - 32.25	Auto	0.0000
L38	12	(H) (Area) CCI-65FP-065125	32.00 - 32.25	Auto	0.0000
L39	5	(H) (Area) CCI-65FP-065125	31.75 - 32.00	Auto	0.0000
L39	6	(H) (Area) CCI-65FP-065125	31.75 - 32.00	Auto	0.0000
L39	7	(H) (Area) CCI-65FP-065125	31.75 - 32.00	Auto	0.0000
L39	8	(H) (Area) CCI-65FP-065125	31.75 - 32.00	Auto	0.0000
L39	10	(H) (Area) CCI-65FP-065125	31.75 - 32.00	Auto	0.0000
L39	11	(H) (Area) CCI-65FP-065125	31.75 - 32.00	Auto	0.0000
L39	12	(H) (Area) CCI-65FP-065125	31.75 - 32.00	Auto	0.0000
L40	5	(H) (Area) CCI-65FP-065125	26.75 - 31.75	Auto	0.0000
L40	6	(H) (Area) CCI-65FP-065125	26.75 - 31.75	Auto	0.0000
L40	7	(H) (Area) CCI-65FP-065125	26.75 - 31.75	Auto	0.0000
L40	8	(H) (Area) CCI-65FP-065125	26.75 - 31.75	Auto	0.0000

Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L40	10	(H) (Area) CCI-65FP-065125	31.75 29.25 - 31.75	Auto	0.0000
L40	11	(H) (Area) CCI-65FP-065125	31.75 29.25 - 31.75	Auto	0.0000
L40	12	(H) (Area) CCI-65FP-065125	31.75 29.25 - 31.75	Auto	0.0000
L41	5	(H) (Area) CCI-65FP-065125	31.75 21.75 - 26.75	Auto	0.0000
L41	6	(H) (Area) CCI-65FP-065125	26.75 21.75 - 26.75	Auto	0.0000
L41	7	(H) (Area) CCI-65FP-065125	26.75 21.75 - 26.75	Auto	0.0000
L41	8	(H) (Area) CCI-65FP-065125	26.75 21.75 - 26.75	Auto	0.0000
L42	5	(H) (Area) CCI-65FP-065125	26.75 16.75 - 21.75	Auto	0.0000
L42	6	(H) (Area) CCI-65FP-065125	21.75 16.75 - 21.75	Auto	0.0000
L42	7	(H) (Area) CCI-65FP-065125	21.75 16.75 - 21.75	Auto	0.0000
L42	8	(H) (Area) CCI-65FP-065125	21.75 16.75 - 21.75	Auto	0.0000
L43	5	(H) (Area) CCI-65FP-065125	16.75 11.75 - 16.75	Auto	0.0000
L43	6	(H) (Area) CCI-65FP-065125	16.75 11.75 - 16.75	Auto	0.0000
L43	7	(H) (Area) CCI-65FP-065125	16.75 11.75 - 16.75	Auto	0.0000
L43	8	(H) (Area) CCI-65FP-065125	16.75 11.75 - 16.75	Auto	0.0000
L44	5	(H) (Area) CCI-65FP-065125	6.75 - 11.75	Auto	0.0000
L44	6	(H) (Area) CCI-65FP-065125	6.75 - 11.75	Auto	0.0000
L44	7	(H) (Area) CCI-65FP-065125	6.75 - 11.75	Auto	0.0000
L44	8	(H) (Area) CCI-65FP-065125	6.75 - 11.75	Auto	0.0000
L45	5	(H) (Area) CCI-65FP-065125	1.75 - 6.75	Auto	0.0000
L45	6	(H) (Area) CCI-65FP-065125	1.75 - 6.75	Auto	0.0000
L45	7	(H) (Area) CCI-65FP-065125	1.75 - 6.75	Auto	0.0000
L45	8	(H) (Area) CCI-65FP-065125	1.75 - 6.75	Auto	0.0000
L46	5	(H) (Area) CCI-65FP-065125	0.00 - 1.75	Auto	0.0000
L46	6	(H) (Area) CCI-65FP-065125	0.00 - 1.75	Auto	0.0000
L46	7	(H) (Area) CCI-65FP-065125	0.00 - 1.75	Auto	0.0000
L46	8	(H) (Area) CCI-65FP-065125	0.00 - 1.75	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K

Lighting Rod 5/8" x 5'	C	From Leg	0.00 0.00 2.50	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.31 0.83 1.32 1.96	0.31 0.83 1.32 1.96	0.03 0.03 0.04 0.07

DT465B-2XR w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.09 0.16 0.25 0.45
DT465B-2XR w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.09 0.16 0.25 0.45
DT465B-2XR w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.09 0.16 0.25 0.45
APXVTM14-C-120 w/ Mount Pipe	A	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.09 4.48 4.88 5.71	2.86 3.23 3.61 4.40	0.08 0.13 0.19 0.33
RRH2X50-800	A	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.70 1.86 2.03 2.40	1.28 1.43 1.58 1.91	0.05 0.07 0.09 0.14
RRH2X50-800	B	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.70 1.86 2.03 2.40	1.28 1.43 1.58 1.91	0.05 0.07 0.09 0.14
RRH2X50-800	C	From Leg	4.00 0.00 2.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.70 1.86 2.03 2.40	1.28 1.43 1.58 1.91	0.05 0.07 0.09 0.14
TD-RRH8x20-25	A	From Leg	4.00 0.00 0.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.05 4.30 4.56 5.10	1.53 1.71 1.90 2.30	0.07 0.10 0.13 0.20
TD-RRH8x20-25	B	From Leg	4.00 0.00 0.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.05 4.30 4.56 5.10	1.53 1.71 1.90 2.30	0.07 0.10 0.13 0.20

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
TD-RRH8x20-25	C	From Leg	4.00 0.00 0.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	4.05 4.30 4.56 5.10	1.53 1.71 1.90 2.30	0.07 0.10 0.13 0.20
(6) ACU-A20-N	B	From Leg	4.00 0.00 0.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
(3) ACU-A20-N	C	From Leg	4.00 0.00 0.00	0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.07 0.10 0.15 0.26	0.12 0.16 0.21 0.34	0.00 0.00 0.00 0.01
(2) 6' x 2" Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	176.00	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
(2) 6' x 2" Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	176.00	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
(2) 6' x 2" Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	176.00	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
Platform Mount [LP 712-1]	C	None		0.0000	176.00	No Ice 1/2" Ice 1" Ice 2" Ice	24.56 27.92 31.27 37.98	24.56 27.92 31.27 37.98	1.34 1.91 2.55 3.97

800MHZ RRH	A	From Leg	1.00 0.00 1.00	0.0000	174.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
800MHZ RRH	B	From Leg	1.00 0.00 1.00	0.0000	174.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
800MHZ RRH	C	From Leg	1.00 0.00 1.00	0.0000	174.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.13 2.32 2.51 2.92	1.77 1.95 2.13 2.51	0.05 0.07 0.10 0.16
PCS 1900MHz 4x45W- 65MHz	A	From Leg	1.00 0.00 -1.00	0.0000	174.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	0.06 0.08 0.11 0.17
PCS 1900MHz 4x45W- 65MHz	B	From Leg	1.00 0.00 -1.00	0.0000	174.00	No Ice 1/2" Ice 1" Ice 2" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	0.06 0.08 0.11 0.17
PCS 1900MHz 4x45W- 65MHz	C	From Leg	1.00 0.00 -1.00	0.0000	174.00	No Ice 1/2" Ice 1" Ice	2.32 2.53 2.74 3.19	2.24 2.44 2.65 3.09	0.06 0.08 0.11 0.17

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
800 EXTERNAL NOTCH FILTER	A	From Leg	1.00 0.00 2.00	0.0000	174.00	2" Ice No Ice 1/2" Ice 1" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
800 EXTERNAL NOTCH FILTER	B	From Leg	1.00 0.00 2.00	0.0000	174.00	2" Ice No Ice 1/2" Ice 1" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
800 EXTERNAL NOTCH FILTER	C	From Leg	1.00 0.00 2.00	0.0000	174.00	2" Ice No Ice 1/2" Ice 1" Ice	0.66 0.76 0.87 1.11	0.32 0.40 0.48 0.67	0.01 0.02 0.02 0.04
6' x 2" Mount Pipe	A	From Leg	1.00 0.00 0.00	0.0000	174.00	2" Ice No Ice 1/2" Ice 1" 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
6' x 2" Mount Pipe	B	From Leg	1.00 0.00 0.00	0.0000	174.00	2" Ice No Ice 1/2" Ice 1" 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
6' x 2" Mount Pipe	C	From Leg	1.00 0.00 0.00	0.0000	174.00	2" Ice No Ice 1/2" Ice 1" 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
Side Arm Mount [SO 102- 3]	C	None		0.0000	174.00	2" Ice No Ice 1/2" Ice 1" Ice	3.60 4.18 4.75 5.90	3.60 4.18 4.75 5.90	0.07 0.11 0.14 0.20

HPA65R-BU6A w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	167.00	2" Ice No Ice 1/2" Ice 1" Ice	5.83 6.40 6.99 8.19	5.00 5.56 6.13 7.32	0.08 0.14 0.22 0.40
HPA65R-BU6A w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	167.00	2" Ice No Ice 1/2" Ice 1" Ice	5.83 6.40 6.99 8.19	5.00 5.56 6.13 7.32	0.08 0.14 0.22 0.40
HPA65R-BU6A w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	167.00	2" Ice No Ice 1/2" Ice 1" Ice	5.83 6.40 6.99 8.19	5.00 5.56 6.13 7.32	0.08 0.14 0.22 0.40
80010965 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	167.00	2" Ice No Ice 1/2" Ice 1" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	167.00	2" Ice No Ice 1/2" Ice 1" Ice	12.26 13.03 13.80 15.41	5.79 6.47 7.17 8.60	0.14 0.23 0.33 0.57
80010965 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	167.00	2" Ice No Ice 1/2" Ice	12.26 13.03 13.80	5.79 6.47 7.17	0.14 0.23 0.33

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
						1" Ice	15.41	8.60	0.57
						2" Ice			
7770.00 w/ Mount Pipe	A	From Leg	4.00	0.0000	167.00	No Ice	5.75	4.25	0.06
			0.00			1/2"	6.18	5.01	0.10
			0.00			Ice	6.61	5.71	0.16
						1" Ice	7.49	7.16	0.29
						2" Ice			
7770.00 w/ Mount Pipe	B	From Leg	4.00	0.0000	167.00	No Ice	5.75	4.25	0.06
			0.00			1/2"	6.18	5.01	0.10
			0.00			Ice	6.61	5.71	0.16
						1" Ice	7.49	7.16	0.29
						2" Ice			
7770.00 w/ Mount Pipe	C	From Leg	4.00	0.0000	167.00	No Ice	5.75	4.25	0.06
			0.00			1/2"	6.18	5.01	0.10
			0.00			Ice	6.61	5.71	0.16
						1" Ice	7.49	7.16	0.29
						2" Ice			
RRUS 4449 B5/B12	A	From Leg	4.00	0.0000	167.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			0.00			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 4449 B5/B12	B	From Leg	4.00	0.0000	167.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			0.00			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 4449 B5/B12	C	From Leg	4.00	0.0000	167.00	No Ice	1.97	1.41	0.07
			0.00			1/2"	2.14	1.56	0.09
			0.00			Ice	2.33	1.73	0.11
						1" Ice	2.72	2.07	0.16
						2" Ice			
RRUS 8843 B2/B66A	B	From Leg	4.00	0.0000	167.00	No Ice	1.64	1.35	0.07
			0.00			1/2"	1.80	1.50	0.09
			0.00			Ice	1.97	1.65	0.11
						1" Ice	2.32	1.99	0.16
						2" Ice			
(2) RRUS 8843 B2/B66A	C	From Leg	4.00	0.0000	167.00	No Ice	1.64	1.35	0.07
			0.00			1/2"	1.80	1.50	0.09
			0.00			Ice	1.97	1.65	0.11
						1" Ice	2.32	1.99	0.16
						2" Ice			
(2) LGP21401	A	From Leg	4.00	0.0000	167.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			0.00			Ice	1.38	0.35	0.03
						1" Ice	1.69	0.52	0.05
						2" Ice			
(2) LGP21401	B	From Leg	4.00	0.0000	167.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			0.00			Ice	1.38	0.35	0.03
						1" Ice	1.69	0.52	0.05
						2" Ice			
(2) LGP21401	C	From Leg	4.00	0.0000	167.00	No Ice	1.10	0.21	0.01
			0.00			1/2"	1.24	0.27	0.02
			0.00			Ice	1.38	0.35	0.03
						1" Ice	1.69	0.52	0.05
						2" Ice			
DC6-48-60-18-8F	A	From Leg	4.00	0.0000	167.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			0.00			Ice	1.64	1.64	0.06
						1" Ice	2.04	2.04	0.11
						2" Ice			
DC6-48-60-18-8F	B	From Leg	4.00	0.0000	167.00	No Ice	0.92	0.92	0.02
			0.00			1/2"	1.46	1.46	0.04
			0.00			Ice	1.64	1.64	0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
						1" Ice	2.04	2.04	0.11
						2" Ice			
Platform Mount [LP 304-1]	C	None		0.0000	167.00	No Ice	17.49	17.49	1.35
						1/2" Ice	21.37	21.37	1.71
						Ice	25.28	25.28	2.13
						1" Ice	33.17	33.17	3.16
						2" Ice			

OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	167.00	No Ice	12.25	6.05	0.09
						1/2" Ice	13.00	6.71	0.18
						Ice	13.76	7.39	0.27
						1" Ice	15.34	8.79	0.51
						2" Ice			
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	167.00	No Ice	12.25	6.05	0.09
						1/2" Ice	13.00	6.71	0.18
						Ice	13.76	7.39	0.27
						1" Ice	15.34	8.79	0.51
						2" Ice			
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	167.00	No Ice	12.25	6.05	0.09
						1/2" Ice	13.00	6.71	0.18
						Ice	13.76	7.39	0.27
						1" Ice	15.34	8.79	0.51
						2" Ice			
RRUS 4478 B14	A	From Leg	4.00 0.00 0.00	0.0000	167.00	No Ice	1.84	1.06	0.06
						1/2" Ice	2.01	1.20	0.08
						Ice	2.19	1.34	0.09
						1" Ice	2.57	1.66	0.14
						2" Ice			
RRUS 4478 B14	B	From Leg	4.00 0.00 0.00	0.0000	167.00	No Ice	1.84	1.06	0.06
						1/2" Ice	2.01	1.20	0.08
						Ice	2.19	1.34	0.09
						1" Ice	2.57	1.66	0.14
						2" Ice			
RRUS 4478 B14	C	From Leg	4.00 0.00 0.00	0.0000	167.00	No Ice	1.84	1.06	0.06
						1/2" Ice	2.01	1.20	0.08
						Ice	2.19	1.34	0.09
						1" Ice	2.57	1.66	0.14
						2" Ice			
DC6-48-60-18-8F	B	From Leg	4.00 0.00 0.00	0.0000	167.00	No Ice	0.92	0.92	0.02
						1/2" Ice	1.46	1.46	0.04
						Ice	1.64	1.64	0.06
						1" Ice	2.04	2.04	0.11
						2" Ice			
Handrail Kit [#HRK12]	C	None		0.0000	167.00	No Ice	4.56	4.56	0.27
						1/2" Ice	6.39	6.39	0.35
						Ice	8.18	8.18	0.44
						1" Ice	11.66	11.66	0.60
						2" Ice			

ERICSSON AIR 21 B2A B4P w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice	3.14	2.59	0.11
						1/2" Ice	3.45	2.88	0.16
						Ice	3.77	3.19	0.23
						1" Ice	4.43	3.84	0.38
						2" Ice			
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice	3.14	2.59	0.11
						1/2" Ice	3.45	2.88	0.16
						Ice	3.77	3.19	0.23
						1" Ice	4.43	3.84	0.38
						2" Ice			
ERICSSON AIR 21 B2A B4P w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice	3.14	2.59	0.11
						1/2" Ice	3.45	2.88	0.16
						Ice	3.77	3.19	0.23
						1" Ice	4.43	3.84	0.38
						2" Ice			
APXVAARR18_43-U-NA20	A	From Leg	4.00	0.0000	155.00	No Ice	11.04	5.08	0.16

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
w/ Mount Pipe			0.00 0.00			1/2" Ice 1" Ice 2" Ice	11.65 12.27 13.55	5.61 6.15 7.27	0.26 0.37 0.62
APXVAARR18_43-U-NA20 w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.04 11.65 12.27 13.55	5.08 5.61 6.15 7.27	0.16 0.26 0.37 0.62
APXVAARR18_43-U-NA20 w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	11.04 11.65 12.27 13.55	5.08 5.61 6.15 7.27	0.16 0.26 0.37 0.62
AIR 21 B4A/B2P w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.76 4.42	2.58 2.88 3.18 3.82	0.10 0.15 0.21 0.36
AIR 21 B4A/B2P w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.76 4.42	2.58 2.88 3.18 3.82	0.10 0.15 0.21 0.36
AIR 21 B4A/B2P w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	3.14 3.45 3.76 4.42	2.58 2.88 3.18 3.82	0.10 0.15 0.21 0.36
RADIO 4449 B12/B71	A	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
RADIO 4449 B12/B71	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
RADIO 4449 B12/B71	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	1.65 1.81 1.98 2.34	1.16 1.30 1.45 1.76	0.07 0.09 0.11 0.16
KRY 112 144/1	A	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	B	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
KRY 112 144/1	C	From Leg	4.00 0.00 0.00	0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.35 0.43 0.51 0.70	0.17 0.23 0.30 0.46	0.01 0.01 0.02 0.03
Platform Mount [LP 303- 1_HR-1]	C	None		0.0000	155.00	No Ice 1/2" Ice 1" Ice 2" Ice	17.09 21.47 25.72 33.96	17.09 21.47 25.72 33.96	1.50 1.88 2.35 3.52

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
BXA-70063-6CF-EDIN-X w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.40 8.14 8.90 10.46	5.39 6.10 6.83 8.34	0.06 0.11 0.18 0.34
BXA-70063-6CF-EDIN-X w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.40 8.14 8.90 10.46	5.39 6.10 6.83 8.34	0.06 0.11 0.18 0.34
BXA-70063-6CF-EDIN-X w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	7.40 8.14 8.90 10.46	5.39 6.10 6.83 8.34	0.06 0.11 0.18 0.34
Platform Mount [LP 303-1]	C	None		0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	14.69 18.01 21.34 28.08	14.69 18.01 21.34 28.08	1.25 1.57 1.94 2.85

Sub6 Antenna - VZS01 w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	145.00	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	145.00	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	145.00	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) JAHH-65B-R3B w/ Mount Pipe	A	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	B	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
(2) JAHH-65B-R3B w/ Mount Pipe	C	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	5.50 5.97 6.45 7.44	4.38 4.84 5.30 6.26	0.10 0.17 0.25 0.46
CBC78T-DS-43-2X	A	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	B	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06
CBC78T-DS-43-2X	C	From Leg	4.00 0.00 0.00	0.0000	145.00	No Ice 1/2" Ice 1" Ice	0.37 0.45 0.53 0.72	0.51 0.60 0.70 0.93	0.02 0.03 0.04 0.06

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
RFV01U-D1A	A	From Leg	4.00 0.00 0.00	0.0000	145.00	2" Ice No Ice 1/2" Ice 1" 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
RFV01U-D1A	B	From Leg	4.00 0.00 0.00	0.0000	145.00	2" Ice No Ice 1/2" Ice 1" 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
RFV01U-D1A	C	From Leg	4.00 0.00 0.00	0.0000	145.00	2" Ice No Ice 1/2" Ice 1" 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
RFV01U-D2A	A	From Leg	4.00 0.00 0.00	0.0000	145.00	2" Ice No Ice 1/2" Ice 1" 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
RFV01U-D2A	B	From Leg	4.00 0.00 0.00	0.0000	145.00	2" Ice No Ice 1/2" Ice 1" 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
RFV01U-D2A	C	From Leg	4.00 0.00 0.00	0.0000	145.00	2" Ice No Ice 1/2" Ice 1" 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
RVZDC-6627-PF-48	A	From Leg	4.00 0.00 0.00	0.0000	145.00	2" Ice No Ice 1/2" Ice 1" Ice	3.79 4.04 4.30 4.84	2.51 2.73 2.95 3.42	0.03 0.06 0.10 0.18

KS24019-L112A	A	From Leg	3.00 0.00 1.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.14 0.20 0.26 0.41	0.14 0.20 0.26 0.41	0.01 0.01 0.01 0.02
3' x 2" Pipe Mount	A	From Leg	3.00 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.58 0.77 0.97 1.39	0.58 0.77 0.97 1.39	0.01 0.02 0.02 0.05
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.00 0.00	0.0000	50.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.85 1.14 1.43 2.01	1.67 2.34 3.01 4.35	0.07 0.08 0.09 0.12

OG-860/1920/GPS-A	A	From Leg	3.00 0.00 2.00	0.0000	10.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.31 0.40 0.49 0.70	0.37 0.46 0.55 0.77	0.00 0.01 0.01 0.03
3' x 2" Pipe Mount	A	From Leg	3.00 0.00 0.00	0.0000	10.00	No Ice 1/2" Ice 1" Ice 2" Ice	0.58 0.77 0.97 1.39	0.58 0.77 0.97 1.39	0.01 0.02 0.02 0.05
Side Arm Mount [SO 701-1]	A	From Leg	1.50 0.00	0.0000	10.00	No Ice 1/2"	0.85 1.14	1.67 2.34	0.07 0.08

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustmen t °	Placement ft	C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.00			Ice 1.43 1" Ice 2.01 2" Ice	3.01 4.35	0.09 0.12

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
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	176 - 171	Pole	Max Tension	26	0.00	-0.00	0.00
			Max. Compression	26	-8.77	-0.03	-0.19
			Max. Mx	20	-2.84	26.74	-0.04
			Max. My	14	-2.84	0.04	-26.82
			Max. Vy	20	-5.27	26.74	-0.04
			Max. Vx	14	5.29	0.04	-26.82
			Max. Torque	6			-0.14
L2	171 - 166	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-18.87	-0.08	-1.26
			Max. Mx	20	-6.31	59.85	-0.60
			Max. My	14	-6.31	0.23	-60.41
			Max. Vy	20	-11.40	59.85	-0.60
			Max. Vx	14	11.40	0.23	-60.41
			Max. Torque	8			-0.60
L3	166 - 161	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-19.45	-0.04	-1.27
			Max. Mx	20	-6.65	117.65	-0.65
			Max. My	14	-6.65	0.28	-118.19
			Max. Vy	20	-11.72	117.65	-0.65
			Max. Vx	14	11.72	0.28	-118.19
			Max. Torque	8			-0.60
L4	161 - 156	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-20.05	0.00	-1.28
			Max. Mx	20	-7.03	177.02	-0.69
			Max. My	14	-7.03	0.34	-177.52
			Max. Vy	20	-12.03	177.02	-0.69
			Max. Vx	14	12.03	0.34	-177.52
			Max. Torque	8			-0.60
L5	156 - 151	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-27.97	0.05	-1.36
			Max. Mx	20	-10.54	250.22	-0.77
			Max. My	14	-10.53	0.39	-250.72
			Max. Vy	20	-15.41	250.22	-0.77
			Max. Vx	14	15.41	0.39	-250.72
			Max. Torque	8			-0.60
L6	151 - 144.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-28.49	0.08	-1.42
			Max. Mx	20	-10.90	300.60	-0.83
			Max. My	14	-10.90	0.43	-301.11
			Max. Vy	20	-15.61	300.60	-0.83
			Max. Vx	14	15.61	0.43	-301.11
			Max. Torque	8			-0.60
L7	144.25 - 142.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-37.49	0.13	-0.80
			Max. Mx	20	-14.74	388.33	-0.81
			Max. My	14	-14.72	0.48	-388.79
			Max. Vy	20	-19.87	388.33	-0.81
			Max. Vx	14	19.91	0.48	-388.79
			Max. Torque	8			-0.31
L8	142.75 - 137.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-38.57	0.19	-0.91
			Max. Mx	20	-15.58	488.47	-0.90
			Max. My	14	-15.57	0.54	-489.19
			Max. Vy	20	-20.21	488.47	-0.90
			Max. Vx	14	20.25	0.54	-489.19
			Max. Torque	18			0.17
L9	137.75 - 132.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-39.69	0.25	-1.02
			Max. Mx	20	-16.46	590.33	-1.00
			Max. My	14	-16.45	0.60	-591.30
			Max. Vy	20	-20.55	590.33	-1.00
			Max. Vx	14	20.60	0.60	-591.30
			Max. Torque	18			0.17

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L10	132.75 - 127.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-40.96	0.30	-1.12
			Max. Mx	20	-17.46	693.91	-1.09
			Max. My	14	-17.45	0.66	-695.14
			Max. Vy	20	-20.90	693.91	-1.09
			Max. Vx	14	20.95	0.66	-695.14
			Max. Torque	18			0.17
L11	127.75 - 127.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-41.04	0.31	-1.13
			Max. Mx	20	-17.53	699.13	-1.10
			Max. My	14	-17.52	0.66	-700.38
			Max. Vy	20	-20.91	699.13	-1.10
			Max. Vx	14	20.96	0.66	-700.38
			Max. Torque	18			0.17
L12	127.5 - 122.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.64	0.37	-1.24
			Max. Mx	20	-18.74	804.59	-1.20
			Max. My	14	-18.73	0.72	-806.10
			Max. Vy	20	-21.29	804.59	-1.20
			Max. Vx	14	21.33	0.72	-806.10
			Max. Torque	18			0.17
L13	122.5 - 120.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.21	0.39	-1.28
			Max. Mx	20	-19.16	841.93	-1.23
			Max. My	14	-19.15	0.74	-843.54
			Max. Vy	20	-21.42	841.93	-1.23
			Max. Vx	14	21.47	0.74	-843.54
			Max. Torque	18			0.17
L14	120.75 - 120.5	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-43.29	0.39	-1.29
			Max. Mx	20	-19.25	847.28	-1.24
			Max. My	14	-19.24	0.75	-848.90
			Max. Vy	20	-21.42	847.28	-1.24
			Max. Vx	14	21.47	0.75	-848.90
			Max. Torque	18			0.17
L15	120.5 - 117.25	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.40	0.43	-1.36
			Max. Mx	20	-20.09	917.28	-1.30
			Max. My	14	-20.08	0.78	-919.07
			Max. Vy	20	-21.67	917.28	-1.30
			Max. Vx	14	21.72	0.78	-919.07
			Max. Torque	18			0.17
L16	117.25 - 117	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-44.50	0.44	-1.37
			Max. Mx	20	-20.18	922.70	-1.31
			Max. My	14	-20.17	0.79	-924.50
			Max. Vy	20	-21.68	922.70	-1.31
			Max. Vx	14	21.73	0.79	-924.50
			Max. Torque	18			0.17
L17	117 - 112	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-46.64	0.50	-1.48
			Max. Mx	20	-21.84	1032.23	-1.41
			Max. My	14	-21.83	0.85	-1034.30
			Max. Vy	20	-22.14	1032.23	-1.41
			Max. Vx	14	22.19	0.85	-1034.30
			Max. Torque	18			0.17
L18	112 - 107	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-48.81	0.56	-1.60
			Max. Mx	20	-23.53	1144.04	-1.51
			Max. My	14	-23.53	0.91	-1146.38
			Max. Vy	20	-22.60	1144.04	-1.51
			Max. Vx	14	22.64	0.91	-1146.38
			Max. Torque	18			0.17

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L19	107 - 102	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-51.01	0.62	-1.70
			Max. Mx	20	-25.26	1258.11	-1.61
			Max. My	14	-25.25	0.97	-1260.71
			Max. Vy	20	-23.05	1258.11	-1.61
			Max. Vx	14	23.09	0.97	-1260.71
L20	102 - 94.5833	Pole	Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-52.16	0.65	-1.75
			Max. Mx	20	-26.15	1317.92	-1.67
			Max. My	14	-26.15	1.00	-1320.67
			Max. Vy	20	-23.28	1317.92	-1.67
L21	94.5833 - 94.4167	Pole	Max. Vx	14	23.33	1.00	-1320.67
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-55.47	0.71	-1.86
			Max. Mx	20	-28.65	1435.65	-1.77
			Max. My	14	-28.65	1.06	-1438.67
L22	94.4167 - 89.4167	Pole	Max. Vy	20	-23.82	1435.65	-1.77
			Max. Vx	14	23.87	1.06	-1438.67
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-57.13	0.76	-1.95
			Max. Mx	20	-29.87	1555.57	-1.88
L23	89.4167 - 87.25	Pole	Max. My	14	-29.86	1.13	-1558.86
			Max. Vy	20	-24.17	1555.57	-1.88
			Max. Vx	14	24.21	1.13	-1558.86
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-58.01	0.79	-2.00
L24	87.25 - 87	Pole	Max. Mx	20	-30.55	1608.06	-1.93
			Max. My	14	-30.55	1.15	-1611.47
			Max. Vy	20	-24.32	1608.06	-1.93
			Max. Vx	14	24.37	1.15	-1611.47
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
L25	87 - 82	Pole	Max. Compression	26	-58.11	0.79	-2.01
			Max. Mx	20	-30.65	1614.13	-1.93
			Max. My	14	-30.64	1.16	-1617.56
			Max. Vy	20	-24.32	1614.13	-1.93
			Max. Vx	14	24.37	1.16	-1617.56
			Max. Torque	18			0.17
L26	82 - 77	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-60.19	0.85	-2.11
			Max. Mx	20	-32.27	1736.60	-2.04
			Max. My	14	-32.26	1.22	-1740.30
			Max. Vy	20	-24.69	1736.60	-2.04
			Max. Vx	14	24.73	1.22	-1740.30
L27	77 - 72	Pole	Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-62.30	0.91	-2.22
			Max. Mx	20	-33.93	1860.80	-2.15
			Max. My	14	-33.93	1.28	-1864.77
			Max. Vy	20	-25.03	1860.80	-2.15
L28	72 - 67	Pole	Max. Vx	14	25.07	1.28	-1864.77
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-64.44	0.97	-2.33
			Max. Mx	20	-35.63	1986.68	-2.27
			Max. My	14	-35.62	1.34	-1990.93
L28	72 - 67	Pole	Max. Vy	20	-25.36	1986.68	-2.27
			Max. Vx	14	25.41	1.34	-1990.93
			Max. Torque	18			0.17
L28	72 - 67	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-66.61	1.04	-2.44

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L29	67 - 62	Pole	Max. Mx	20	-37.35	2114.21	-2.38
			Max. My	14	-37.34	1.41	-2118.73
			Max. Vy	20	-25.69	2114.21	-2.38
			Max. Vx	14	25.73	1.41	-2118.73
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.66	1.10	-2.56
			Max. Mx	20	-38.93	2243.32	-2.49
			Max. My	14	-38.93	1.47	-2248.12
			Max. Vy	20	-25.99	2243.32	-2.49
L30	62 - 61.5	Pole	Max. Vx	14	26.04	1.47	-2248.12
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-68.84	1.11	-2.58
			Max. Mx	20	-39.08	2256.32	-2.50
			Max. My	14	-39.08	1.48	-2261.14
			Max. Vy	20	-26.01	2256.32	-2.50
			Max. Vx	14	26.06	1.48	-2261.14
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
L31	61.5 - 61.25	Pole	Max. Compression	26	-68.96	1.12	-2.59
			Max. Mx	20	-39.18	2262.82	-2.51
			Max. My	14	-39.17	1.48	-2267.66
			Max. Vy	20	-26.03	2262.82	-2.51
			Max. Vx	14	26.07	1.48	-2267.66
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-71.34	1.18	-2.70
			Max. Mx	20	-41.03	2393.91	-2.62
			Max. My	14	-41.02	1.54	-2399.02
L32	61.25 - 56.25	Pole	Max. Vy	20	-26.42	2393.91	-2.62
			Max. Vx	14	26.47	1.54	-2399.02
			Max. Torque	18			0.17
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-72.89	1.22	-2.79
			Max. Mx	20	-42.23	2479.06	-2.70
			Max. My	14	-42.23	1.58	-2484.35
			Max. Vy	20	-26.66	2479.06	-2.70
			Max. Vx	14	26.70	1.58	-2484.35
			Max. Torque	23			-0.19
L33	56.25 - 46.9567	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-78.81	1.32	-2.37
			Max. Mx	20	-46.84	2670.62	-2.52
			Max. My	14	-46.84	1.67	-2675.84
			Max. Vy	20	-27.41	2670.62	-2.52
			Max. Vx	14	27.43	1.67	-2675.84
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-81.27	1.39	-2.53
			Max. Mx	20	-48.77	2808.45	-2.64
L34	46.9567 - 45.9567	Pole	Max. My	14	-48.77	1.74	-2813.80
			Max. Vy	20	-27.74	2808.45	-2.64
			Max. Vx	14	27.76	1.74	-2813.80
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-83.76	1.45	-2.69
			Max. Mx	20	-50.73	2947.90	-2.76
			Max. My	14	-50.73	1.80	-2953.39
			Max. Vy	20	-28.06	2947.90	-2.76
			Max. Vx	14	28.08	1.80	-2953.39
L35	45.9567 - 40.9567	Pole	Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.73	1.54	-2.79
			Max. Mx	20	-50.73	2947.90	-2.76
			Max. My	14	-50.73	1.80	-2953.39
			Max. Vy	20	-28.06	2947.90	-2.76
			Max. Vx	14	28.08	1.80	-2953.39
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.73	1.54	-2.79
L36	40.9567 - 35.9567	Pole	Max. Mx	20	-50.73	2947.90	-2.76
			Max. My	14	-50.73	1.80	-2953.39
			Max. Vy	20	-28.06	2947.90	-2.76
			Max. Vx	14	28.08	1.80	-2953.39
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.73	1.54	-2.79
			Max. Mx	20	-50.73	2947.90	-2.76
			Max. My	14	-50.73	1.80	-2953.39
			Max. Vy	20	-28.06	2947.90	-2.76
L37	35.9567 - 32.25	Pole	Max. Vx	14	28.08	1.80	-2953.39
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.73	1.54	-2.79
			Max. Mx	20	-50.73	2947.90	-2.76
			Max. My	14	-50.73	1.80	-2953.39
			Max. Vy	20	-28.06	2947.90	-2.76
			Max. Vx	14	28.08	1.80	-2953.39
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L38	32.25 - 32	Pole	Max. Mx	20	-52.20	3052.29	-2.85
			Max. My	14	-52.20	1.85	-3057.88
			Max. Vy	20	-28.29	3052.29	-2.85
			Max. Vx	14	28.31	1.85	-3057.88
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-85.90	1.55	-2.80
			Max. Mx	20	-52.34	3059.36	-2.86
			Max. My	14	-52.34	1.85	-3064.96
			Max. Vy	20	-28.29	3059.36	-2.86
L39	32 - 31.75	Pole	Max. Vx	14	28.31	1.85	-3064.96
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-86.04	1.55	-2.81
			Max. Mx	20	-52.45	3066.44	-2.87
			Max. My	14	-52.45	1.86	-3072.04
			Max. Vy	20	-28.31	3066.44	-2.87
			Max. Vx	14	28.33	1.86	-3072.04
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
L40	31.75 - 26.75	Pole	Max. Compression	26	-88.86	1.68	-2.93
			Max. Mx	20	-54.61	3208.76	-2.99
			Max. My	14	-54.61	1.92	-3214.49
			Max. Vy	20	-28.63	3208.76	-2.99
			Max. Vx	14	28.65	1.92	-3214.49
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-91.63	1.82	-3.06
			Max. Mx	20	-56.80	3352.63	-3.11
			Max. My	14	-56.80	1.98	-3358.49
L41	26.75 - 21.75	Pole	Max. Vy	20	-28.94	3352.63	-3.11
			Max. Vx	14	28.96	1.98	-3358.49
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-94.42	1.95	-3.19
			Max. Mx	20	-59.02	3498.04	-3.24
			Max. My	14	-59.02	2.05	-3504.04
			Max. Vy	20	-29.25	3498.04	-3.24
			Max. Vx	14	29.27	2.05	-3504.04
			Max. Torque	23			-0.23
L42	21.75 - 16.75	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-97.22	2.08	-3.32
			Max. Mx	20	-61.27	3645.00	-3.36
			Max. My	14	-61.27	2.11	-3651.14
			Max. Vy	20	-29.56	3645.00	-3.36
			Max. Vx	14	29.58	2.11	-3651.14
			Max. Torque	23			-0.23
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-99.95	2.15	-2.72
			Max. Mx	20	-63.46	3793.77	-3.07
L43	16.75 - 11.75	Pole	Max. My	14	-63.46	2.16	-3799.55
			Max. Vy	20	-29.95	3793.77	-3.07
			Max. Vx	14	29.94	2.16	-3799.55
			Max. Torque	21			-0.53
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-102.40	2.20	-2.69
			Max. Mx	20	-65.49	3944.20	-3.11
			Max. My	14	-65.49	2.20	-3949.92
			Max. Vy	20	-30.26	3944.20	-3.11
			Max. Vx	14	30.25	2.20	-3949.92
L44	11.75 - 6.75	Pole	Max. Torque	21			-0.53
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-103.23	2.22	-2.68
			Max. Mx	20	-66.20	3997.22	-3.13
			Max. My	14	-66.20	2.21	-4002.92
			Max. Vy	20	-30.26	3944.20	-3.11
			Max. Vx	14	30.25	2.20	-3949.92
			Max. Torque	21			-0.53
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-103.23	2.22	-2.68
L45	6.75 - 1.75	Pole	Max. Mx	20	-66.20	3997.22	-3.13
			Max. My	14	-66.20	2.21	-4002.92
			Max. Vy	20	-30.26	3944.20	-3.11
			Max. Vx	14	30.25	2.20	-3949.92
			Max. Torque	21			-0.53
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-103.23	2.22	-2.68
			Max. Mx	20	-66.20	3997.22	-3.13
			Max. My	14	-66.20	2.21	-4002.92
			Max. Vy	20	-30.26	3944.20	-3.11
L46	1.75 - 0	Pole	Max. Vx	14	30.25	2.20	-3949.92
			Max. Torque	21			-0.53
			Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-103.23	2.22	-2.68
			Max. Mx	20	-66.20	3997.22	-3.13
			Max. My	14	-66.20	2.21	-4002.92
			Max. Vy	20	-30.26	3944.20	-3.11
			Max. Vx	14	30.25	2.20	-3949.92
			Max. Torque	21			-0.53
			Max Tension	1	0.00	0.00	0.00

Section n No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Max. Vy	20	-30.38	3997.22	-3.13
			Max. Vx	14	30.37	2.21	-4002.92
			Max. Torque	21			-0.53

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	33	103.23	0.00	-7.13
	Max. H _x	21	49.66	30.35	-0.01
	Max. H _z	3	49.66	-0.01	30.34
	Max. M _x	2	3999.67	-0.01	30.34
	Max. M _z	8	3995.79	-30.35	0.01
	Max. Torsion	9	0.53	-30.35	0.01
	Min. Vert	19	49.66	26.29	-15.18
	Min. H _x	9	49.66	-30.35	0.01
	Min. H _z	15	49.66	0.01	-30.34
	Min. M _x	14	-4002.92	0.01	-30.34
	Min. M _z	20	-3997.22	30.35	-0.01
	Min. Torsion	21	-0.53	30.35	-0.01

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturing Moment, M _x kip-ft	Overturing Moment, M _z kip-ft	Torque kip-ft
Dead Only	55.18	0.00	0.00	1.24	0.56	-0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	66.21	0.01	-30.34	-3999.67	-0.76	0.11
0.9 Dead+1.0 Wind 0 deg - No Ice	49.66	0.01	-30.34	-3928.40	-0.92	0.12
1.2 Dead+1.0 Wind 30 deg - No Ice	66.21	15.18	-26.28	-3464.34	-1998.80	-0.16
0.9 Dead+1.0 Wind 30 deg - No Ice	49.66	15.18	-26.28	-3402.67	-1963.17	-0.16
1.2 Dead+1.0 Wind 60 deg - No Ice	66.21	26.29	-15.18	-2000.31	-3461.09	-0.38
0.9 Dead+1.0 Wind 60 deg - No Ice	49.66	26.29	-15.18	-1964.87	-3399.26	-0.40
1.2 Dead+1.0 Wind 90 deg - No Ice	66.21	30.35	-0.01	0.16	-3995.79	-0.50
0.9 Dead+1.0 Wind 90 deg - No Ice	49.66	30.35	-0.01	-0.26	-3924.38	-0.53
1.2 Dead+1.0 Wind 120 deg - No Ice	66.21	26.28	15.16	2001.02	-3459.61	-0.49
0.9 Dead+1.0 Wind 120 deg - No Ice	49.66	26.28	15.16	1964.75	-3397.81	-0.52
1.2 Dead+1.0 Wind 150 deg - No Ice	66.21	15.17	26.27	3466.13	-1996.23	-0.35
0.9 Dead+1.0 Wind 150 deg - No Ice	49.66	15.17	26.27	3403.60	-1960.65	-0.37
1.2 Dead+1.0 Wind 180 deg - No Ice	66.21	-0.01	30.34	4002.92	2.21	-0.11
0.9 Dead+1.0 Wind 180 deg - No Ice	49.66	-0.01	30.34	3930.77	1.99	-0.12
1.2 Dead+1.0 Wind 210 deg - No Ice	66.21	-15.18	26.28	3467.59	2000.24	0.16
0.9 Dead+1.0 Wind 210 deg - No Ice	49.66	-15.18	26.28	3405.03	1964.22	0.16
1.2 Dead+1.0 Wind 240 deg - No Ice	66.21	-26.29	15.18	2003.58	3462.52	0.38
0.9 Dead+1.0 Wind 240 deg - No Ice	49.66	-26.29	15.18	1967.25	3400.30	0.40
1.2 Dead+1.0 Wind 270 deg - No Ice	66.21	-30.35	0.01	3.13	3997.22	0.50
0.9 Dead+1.0 Wind 270 deg - No Ice	49.66	-30.35	0.01	2.65	3925.43	0.53
1.2 Dead+1.0 Wind 300 deg - No Ice	66.21	-26.28	-15.16	-1997.74	3461.06	0.49
0.9 Dead+1.0 Wind 300 deg - No Ice	49.66	-26.28	-15.16	-1962.36	3398.87	0.52
1.2 Dead+1.0 Wind 330 deg - No Ice	66.21	-15.17	-26.27	-3462.86	1997.69	0.35
0.9 Dead+1.0 Wind 330 deg - No Ice	49.66	-15.17	-26.27	-3401.22	1961.72	0.37
1.2 Dead+1.0 Ice+1.0 Temp	103.23	-0.00	0.00	2.68	2.22	-0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	103.23	0.00	-7.13	-978.51	2.06	0.07
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	103.23	3.57	-6.18	-847.17	-488.29	0.01
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	103.23	6.18	-3.57	-488.05	-847.17	-0.05
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	103.23	7.14	-0.00	2.65	-978.42	-0.09

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
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	103.23	6.18	3.56	493.43	-846.86	-0.12
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	103.23	3.57	6.17	852.78	-487.76	-0.11
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	103.23	-0.00	7.13	984.43	2.68	-0.07
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	103.23	-3.57	6.18	853.09	493.03	-0.01
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	103.23	-6.18	3.57	493.96	851.90	0.05
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	103.23	-7.14	0.00	3.27	983.15	0.09
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	103.23	-6.18	-3.56	-487.51	851.59	0.11
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	103.23	-3.57	-6.17	-846.86	492.49	0.11
Dead+Wind 0 deg - Service	55.18	0.00	-6.09	-794.48	0.30	0.03
Dead+Wind 30 deg - Service	55.18	3.05	-5.28	-688.01	-397.10	-0.02
Dead+Wind 60 deg - Service	55.18	5.28	-3.05	-396.82	-687.93	-0.07
Dead+Wind 90 deg - Service	55.18	6.09	-0.00	1.05	-794.28	-0.10
Dead+Wind 120 deg - Service	55.18	5.28	3.04	399.00	-687.64	-0.11
Dead+Wind 150 deg - Service	55.18	3.04	5.27	690.40	-396.59	-0.08
Dead+Wind 180 deg - Service	55.18	-0.00	6.09	797.17	0.89	-0.03
Dead+Wind 210 deg - Service	55.18	-3.05	5.28	690.70	398.28	0.02
Dead+Wind 240 deg - Service	55.18	-5.28	3.05	399.51	689.12	0.07
Dead+Wind 270 deg - Service	55.18	-6.09	0.00	1.64	795.46	0.10
Dead+Wind 300 deg - Service	55.18	-5.28	-3.04	-396.31	688.83	0.11
Dead+Wind 330 deg - Service	55.18	-3.04	-5.27	-687.71	397.77	0.08

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-55.18	0.00	0.00	55.18	0.00	0.000%
2	0.01	-66.21	-30.34	-0.01	66.21	30.34	0.000%
3	0.01	-49.66	-30.34	-0.01	49.66	30.34	0.000%
4	15.18	-66.21	-26.28	-15.18	66.21	26.28	0.000%
5	15.18	-49.66	-26.28	-15.18	49.66	26.28	0.000%
6	26.29	-66.21	-15.18	-26.29	66.21	15.18	0.000%
7	26.29	-49.66	-15.18	-26.29	49.66	15.18	0.000%
8	30.35	-66.21	-0.01	-30.35	66.21	0.01	0.000%
9	30.35	-49.66	-0.01	-30.35	49.66	0.01	0.000%
10	26.28	-66.21	15.16	-26.28	66.21	-15.16	0.000%
11	26.28	-49.66	15.16	-26.28	49.66	-15.16	0.000%
12	15.17	-66.21	26.27	-15.17	66.21	-26.27	0.000%
13	15.17	-49.66	26.27	-15.17	49.66	-26.27	0.000%
14	-0.01	-66.21	30.34	0.01	66.21	-30.34	0.000%
15	-0.01	-49.66	30.34	0.01	49.66	-30.34	0.000%
16	-15.18	-66.21	26.28	15.18	66.21	-26.28	0.000%
17	-15.18	-49.66	26.28	15.18	49.66	-26.28	0.000%
18	-26.29	-66.21	15.18	26.29	66.21	-15.18	0.000%
19	-26.29	-49.66	15.18	26.29	49.66	-15.18	0.000%
20	-30.35	-66.21	0.01	30.35	66.21	-0.01	0.000%
21	-30.35	-49.66	0.01	30.35	49.66	-0.01	0.000%
22	-26.28	-66.21	-15.16	26.28	66.21	15.16	0.000%
23	-26.28	-49.66	-15.16	26.28	49.66	15.16	0.000%
24	-15.17	-66.21	-26.27	15.17	66.21	26.27	0.000%
25	-15.17	-49.66	-26.27	15.17	49.66	26.27	0.000%
26	0.00	-103.23	0.00	0.00	103.23	-0.00	0.000%
27	0.00	-103.23	-7.13	-0.00	103.23	7.13	0.000%
28	3.57	-103.23	-6.18	-3.57	103.23	6.18	0.000%
29	6.18	-103.23	-3.57	-6.18	103.23	3.57	0.000%
30	7.14	-103.23	-0.00	-7.14	103.23	0.00	0.000%
31	6.18	-103.23	3.56	-6.18	103.23	-3.56	0.000%
32	3.57	-103.23	6.17	-3.57	103.23	-6.17	0.000%

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
33	-0.00	-103.23	7.13	0.00	103.23	-7.13	0.000%
34	-3.57	-103.23	6.18	3.57	103.23	-6.18	0.000%
35	-6.18	-103.23	3.57	6.18	103.23	-3.57	0.000%
36	-7.14	-103.23	0.00	7.14	103.23	-0.00	0.000%
37	-6.18	-103.23	-3.56	6.18	103.23	3.56	0.000%
38	-3.57	-103.23	-6.17	3.57	103.23	6.17	0.000%
39	0.00	-55.18	-6.09	-0.00	55.18	6.09	0.000%
40	3.05	-55.18	-5.28	-3.05	55.18	5.28	0.000%
41	5.28	-55.18	-3.05	-5.28	55.18	3.05	0.000%
42	6.09	-55.18	-0.00	-6.09	55.18	0.00	0.000%
43	5.28	-55.18	3.04	-5.28	55.18	-3.04	0.000%
44	3.04	-55.18	5.27	-3.04	55.18	-5.27	0.000%
45	-0.00	-55.18	6.09	0.00	55.18	-6.09	0.000%
46	-3.05	-55.18	5.28	3.05	55.18	-5.28	0.000%
47	-5.28	-55.18	3.05	5.28	55.18	-3.05	0.000%
48	-6.09	-55.18	0.00	6.09	55.18	-0.00	0.000%
49	-5.28	-55.18	-3.04	5.28	55.18	3.04	0.000%
50	-3.04	-55.18	-5.27	3.04	55.18	5.27	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000214
2	Yes	6	0.00000001	0.00010435
3	Yes	5	0.00000001	0.00046782
4	Yes	7	0.00000001	0.00086568
5	Yes	7	0.00000001	0.00019875
6	Yes	7	0.00000001	0.00086294
7	Yes	7	0.00000001	0.00019808
8	Yes	6	0.00000001	0.00010233
9	Yes	5	0.00000001	0.00043778
10	Yes	7	0.00000001	0.00086461
11	Yes	7	0.00000001	0.00019834
12	Yes	7	0.00000001	0.00086568
13	Yes	7	0.00000001	0.00019875
14	Yes	6	0.00000001	0.00010062
15	Yes	5	0.00000001	0.00043512
16	Yes	7	0.00000001	0.00086514
17	Yes	7	0.00000001	0.00019833
18	Yes	7	0.00000001	0.00086738
19	Yes	7	0.00000001	0.00019891
20	Yes	6	0.00000001	0.00010856
21	Yes	5	0.00000001	0.00046683
22	Yes	7	0.00000001	0.00086361
23	Yes	7	0.00000001	0.00019837
24	Yes	7	0.00000001	0.00086305
25	Yes	7	0.00000001	0.00019805
26	Yes	4	0.00000001	0.00073301
27	Yes	8	0.00000001	0.00021305
28	Yes	8	0.00000001	0.00029204
29	Yes	8	0.00000001	0.00029109
30	Yes	8	0.00000001	0.00021360
31	Yes	8	0.00000001	0.00029495
32	Yes	8	0.00000001	0.00029480
33	Yes	8	0.00000001	0.00021542
34	Yes	8	0.00000001	0.00029616
35	Yes	8	0.00000001	0.00029692
36	Yes	8	0.00000001	0.00021444
37	Yes	8	0.00000001	0.00029230
38	Yes	8	0.00000001	0.00029267
39	Yes	5	0.00000001	0.00021222
40	Yes	6	0.00000001	0.00010382
41	Yes	6	0.00000001	0.00010271
42	Yes	5	0.00000001	0.00021212
43	Yes	6	0.00000001	0.00010404

44	Yes	6	0.00000001	0.00010454
45	Yes	5	0.00000001	0.00021342
46	Yes	6	0.00000001	0.00010428
47	Yes	6	0.00000001	0.00010527
48	Yes	5	0.00000001	0.00021273
49	Yes	6	0.00000001	0.00010342
50	Yes	6	0.00000001	0.00010305

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	176 - 171	30.759	46	1.8510	0.0018
L2	171 - 166	28.825	46	1.8400	0.0017
L3	166 - 161	26.912	46	1.8135	0.0015
L4	161 - 156	25.037	46	1.7647	0.0011
L5	156 - 151	23.223	46	1.6970	0.0007
L6	151 - 144.25	21.488	46	1.6144	0.0005
L7	147.75 - 142.75	20.410	46	1.5531	0.0003
L8	142.75 - 137.75	18.806	46	1.5048	0.0003
L9	137.75 - 132.75	17.268	46	1.4315	0.0003
L10	132.75 - 127.75	15.810	46	1.3529	0.0002
L11	127.75 - 127.5	14.436	46	1.2709	0.0002
L12	127.5 - 122.5	14.370	46	1.2667	0.0002
L13	122.5 - 120.75	13.088	46	1.1825	0.0002
L14	120.75 - 120.5	12.660	46	1.1534	0.0001
L15	120.5 - 117.25	12.599	46	1.1491	0.0001
L16	117.25 - 117	11.836	46	1.0937	0.0001
L17	117 - 112	11.779	46	1.0911	0.0001
L18	112 - 107	10.664	46	1.0391	0.0001
L19	107 - 102	9.603	46	0.9874	0.0001
L20	102 - 94.5833	8.596	46	0.9350	0.0001
L21	99.4167 - 94.4167	8.098	46	0.9081	0.0001
L22	94.4167 - 89.4167	7.162	46	0.8764	0.0001
L23	89.4167 - 87.25	6.283	46	0.8043	0.0001
L24	87.25 - 87	5.925	46	0.7734	0.0001
L25	87 - 82	5.884	46	0.7699	0.0001
L26	82 - 77	5.115	46	0.6998	0.0001
L27	77 - 72	4.418	46	0.6311	0.0001
L28	72 - 67	3.792	46	0.5640	0.0000
L29	67 - 62	3.236	46	0.4985	0.0000
L30	62 - 61.5	2.748	46	0.4345	0.0000
L31	61.5 - 61.25	2.703	46	0.4282	0.0000
L32	61.25 - 56.25	2.680	46	0.4261	0.0000
L33	56.25 - 46.9567	2.256	46	0.3849	0.0000
L34	53.04 - 45.9567	2.006	46	0.3590	0.0000
L35	45.9567 - 40.9567	1.495	46	0.3262	0.0000
L36	40.9567 - 35.9567	1.175	46	0.2852	0.0000
L37	35.9567 - 32.25	0.897	46	0.2452	0.0000
L38	32.25 - 32	0.718	46	0.2162	0.0000
L39	32 - 31.75	0.707	46	0.2148	0.0000
L40	31.75 - 26.75	0.695	46	0.2130	0.0000
L41	26.75 - 21.75	0.491	46	0.1779	0.0000
L42	21.75 - 16.75	0.323	46	0.1436	0.0000
L43	16.75 - 11.75	0.190	46	0.1095	0.0000
L44	11.75 - 6.75	0.093	46	0.0763	0.0000
L45	6.75 - 1.75	0.030	46	0.0432	0.0000
L46	1.75 - 0	0.002	46	0.0110	0.0000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
176.00	Lighting Rod 5/8" x 5'	46	30.759	1.8510	0.0018	15267
174.00	800MHZ RRH	46	29.984	1.8476	0.0017	15267
167.00	HPA65R-BU6A w/ Mount Pipe	46	27.292	1.8205	0.0015	8676
155.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	46	22.869	1.6821	0.0007	3627
145.00	BXA-70063-6CF-EDIN-X w/ Mount Pipe	46	19.520	1.5242	0.0003	4735
50.00	KS24019-L112A	46	1.779	0.3443	0.0000	10626
10.00	OG-860/1920/GPS-A	46	0.067	0.0647	0.0000	8747

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	176 - 171	154.215	14	9.2816	0.0085
L2	171 - 166	144.560	14	9.2270	0.0078
L3	166 - 161	135.002	14	9.0953	0.0069
L4	161 - 156	125.633	14	8.8560	0.0050
L5	156 - 151	116.564	14	8.5207	0.0034
L6	151 - 144.25	107.881	14	8.1098	0.0021
L7	147.75 - 142.75	102.482	14	7.8044	0.0013
L8	142.75 - 137.75	94.443	14	7.5627	0.0011
L9	137.75 - 132.75	86.735	14	7.1957	0.0009
L10	132.75 - 127.75	79.422	14	6.8016	0.0008
L11	127.75 - 127.5	72.530	14	6.3900	0.0007
L12	127.5 - 122.5	72.196	14	6.3691	0.0007
L13	122.5 - 120.75	65.760	14	5.9464	0.0006
L14	120.75 - 120.5	63.611	14	5.8001	0.0005
L15	120.5 - 117.25	63.308	14	5.7788	0.0005
L16	117.25 - 117	59.476	14	5.5002	0.0005
L17	117 - 112	59.188	14	5.4875	0.0005
L18	112 - 107	53.587	14	5.2263	0.0004
L19	107 - 102	48.257	14	4.9663	0.0004
L20	102 - 94.5833	43.201	14	4.7026	0.0003
L21	99.4167 - 94.4167	40.696	14	4.5676	0.0003
L22	94.4167 - 89.4167	35.996	14	4.4084	0.0003
L23	89.4167 - 87.25	31.575	14	4.0452	0.0003
L24	87.25 - 87	29.776	14	3.8900	0.0002
L25	87 - 82	29.573	14	3.8722	0.0002
L26	82 - 77	25.706	14	3.5194	0.0002
L27	77 - 72	22.204	14	3.1741	0.0002
L28	72 - 67	19.059	14	2.8364	0.0002
L29	67 - 62	16.263	14	2.5064	0.0002
L30	62 - 61.5	13.808	14	2.1843	0.0002
L31	61.5 - 61.25	13.581	14	2.1526	0.0002
L32	61.25 - 56.25	13.469	14	2.1423	0.0002
L33	56.25 - 46.9567	11.335	14	1.9350	0.0002
L34	53.04 - 45.9567	10.078	14	1.8047	0.0002
L35	45.9567 - 40.9567	7.509	14	1.6398	0.0002
L36	40.9567 - 35.9567	5.901	14	1.4333	0.0002
L37	35.9567 - 32.25	4.506	14	1.2322	0.0001
L38	32.25 - 32	3.606	16	1.0864	0.0001
L39	32 - 31.75	3.549	16	1.0792	0.0001
L40	31.75 - 26.75	3.493	16	1.0703	0.0001
L41	26.75 - 21.75	2.465	16	0.8936	0.0001
L42	21.75 - 16.75	1.620	16	0.7214	0.0001
L43	16.75 - 11.75	0.955	16	0.5501	0.0001
L44	11.75 - 6.75	0.466	16	0.3832	0.0001

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L45	6.75 - 1.75	0.152	16	0.2171	0.0000
L46	1.75 - 0	0.010	16	0.0552	0.0000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
176.00	Lighting Rod 5/8" x 5'	14	154.215	9.2816	0.0087	3212
174.00	800MHZ RRRH	14	150.347	9.2646	0.0084	3212
167.00	HPA65R-BU6A w/ Mount Pipe	14	136.902	9.1298	0.0073	1850
155.00	ERICSSON AIR 21 B2A B4P w/ Mount Pipe	14	114.793	8.4468	0.0033	761
145.00	BXA-70063-6CF-EDIN-X w/ Mount Pipe	14	98.022	7.6598	0.0013	981
50.00	KS24019-L112A	14	8.940	1.7307	0.0002	2116
10.00	OG-860/1920/GPS-A	16	0.337	0.3250	0.0001	1742

Compression Checks

Pole Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	KI/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
L1	176 - 171 (1)	TP17.626x16.5x0.1875	5.00	0.00	0.0	10.378	-2.84	607.12	0.005
L2	171 - 166 (2)	TP18.752x17.626x0.1875	5.00	0.00	0.0	11.048	-6.31	646.32	0.010
L3	166 - 161 (3)	TP19.878x18.752x0.1875	5.00	0.00	0.0	11.718	-6.65	685.52	0.010
L4	161 - 156 (4)	TP21.0039x19.878x0.1875	5.00	0.00	0.0	12.388	-7.03	724.72	0.010
L5	156 - 151 (5)	TP22.1299x21.0039x0.1875	5.00	0.00	0.0	13.058	-10.53	763.92	0.014
L6	151 - 144.25 (6)	TP23.65x22.1299x0.1875	6.75	0.00	0.0	13.494	-10.90	789.40	0.014
L7	144.25 - 142.75 (7)	TP23.6006x22.4868x0.3125	5.00	0.00	0.0	23.098	-14.73	1351.28	0.011
L8	142.75 - 137.75 (8)	TP24.7144x23.6006x0.3125	5.00	0.00	0.0	24.203	-15.57	1415.91	0.011
L9	137.75 - 132.75 (9)	TP25.8281x24.7144x0.3125	5.00	0.00	0.0	25.308	-16.45	1480.54	0.011
L10	132.75 - 127.75 (10)	TP26.9419x25.8281x0.3125	5.00	0.00	0.0	26.413	-17.45	1545.16	0.011
L11	127.75 - 127.5 (11)	TP26.9976x26.9419x0.3125	0.25	0.00	0.0	26.468	-17.52	1548.40	0.011
L12	127.5 - 122.5 (12)	TP28.1114x26.9976x0.3125	5.00	0.00	0.0	27.573	-18.73	1613.02	0.012
L13	122.5 - 120.75 (13)	TP28.5012x28.1114x0.3125	1.75	0.00	0.0	27.959	-19.15	1635.64	0.012
L14	120.75 - 120.5 (14)	TP28.5569x28.5012x0.3125	0.25	0.00	0.0	28.014	-19.24	1638.87	0.012
L15	120.5 - 117.25 (15)	TP29.2809x28.5569x0.3125	3.25	0.00	0.0	28.733	-20.08	1680.88	0.012
L16	117.25 - 117 (16)	TP29.3366x29.2809x0.5275	0.25	0.00	0.0	49.131	-20.18	2874.22	0.007
L17	117 - 112 (17)	TP30.4503x29.3366x0.5275	5.00	0.00	0.0	49.866	-21.83	2917.17	0.007
L18	112 - 107 (18)	TP31.5641x30.4503x0.5275	5.00	0.00	0.0	51.722	-23.53	3025.74	0.008

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L19	107 - 102 (19)	TP32.6779x31.5641x0.5125	5.00	0.00	0.0	52.322	-25.25	3060.87	0.008
L20	102 - 94.5833 (20)	TP34.33x32.6779x0.5125	7.42	0.00	0.0	53.258	-26.15	3115.64	0.008
L21	94.5833 - 94.4167 (21)	TP33.7408x32.6283x0.375	5.00	0.00	0.0	39.713	-28.65	2323.25	0.012
L22	94.4167 - 89.4167 (22)	TP34.8532x33.7408x0.375	5.00	0.00	0.0	41.037	-29.86	2400.71	0.012
L23	89.4167 - 87.25 (23)	TP35.3353x34.8532x0.375	2.17	0.00	0.0	41.611	-30.55	2434.27	0.013
L24	87.25 - 87 (24)	TP35.3909x35.3353x0.375	0.25	0.00	0.0	41.677	-30.64	2438.14	0.013
L25	87 - 82 (25)	TP36.5033x35.3909x0.375	5.00	0.00	0.0	43.001	-32.26	2515.60	0.013
L26	82 - 77 (26)	TP37.6158x36.5033x0.375	5.00	0.00	0.0	44.325	-33.93	2593.06	0.013
L27	77 - 72 (27)	TP38.7282x37.6158x0.375	5.00	0.00	0.0	45.649	-35.62	2670.52	0.013
L28	72 - 67 (28)	TP39.8406x38.7282x0.375	5.00	0.00	0.0	46.974	-37.34	2747.98	0.014
L29	67 - 62 (29)	TP40.9531x39.8406x0.375	5.00	0.00	0.0	48.298	-38.93	2825.44	0.014
L30	62 - 61.5 (30)	TP41.0643x40.9531x0.375	0.50	0.00	0.0	48.430	-39.08	2833.18	0.014
L31	61.5 - 61.25 (31)	TP41.1199x41.0643x0.5875	0.25	0.00	0.0	75.581	-39.17	4421.54	0.009
L32	61.25 - 56.25 (32)	TP42.2324x41.1199x0.575	5.00	0.00	0.0	76.026	-41.02	4447.57	0.009
L33	56.25 - 46.9567 (33)	TP44.3x42.2324x0.575	9.29	0.00	0.0	77.330	-42.23	4523.82	0.009
L34	46.9567 - 45.9567 (34)	TP43.7729x42.1965x0.575	7.08	0.00	0.0	78.432	-46.47	4588.28	0.010
L35	45.9567 - 40.9567 (35)	TP44.8856x43.7729x0.5625	5.00	0.00	0.0	77.146	-46.86	4513.08	0.010
L36	40.9567 - 35.9567 (36)	TP45.9982x44.8856x0.5625	5.00	0.00	0.0	79.133	-48.79	4629.30	0.011
L37	35.9567 - 32.25 (37)	TP46.8231x45.9982x0.5625	3.71	0.00	0.0	81.119	-50.75	4745.51	0.011
L38	32.25 - 32 (38)	TP46.8788x46.8231x0.775	0.25	0.00	0.0	113.27	-52.21	6626.38	0.008
L39	32 - 31.75 (39)	TP46.9344x46.8788x0.6125	0.25	0.00	0.0	89.945	-52.34	5261.79	0.010
L40	31.75 - 26.75 (40)	TP48.0471x46.9344x0.6125	5.00	0.00	0.0	90.053	-52.46	5268.11	0.010
L41	26.75 - 21.75 (41)	TP49.1598x48.0471x0.6125	5.00	0.00	0.0	92.216	-54.62	5394.66	0.010
L42	21.75 - 16.75 (42)	TP50.2725x49.1598x0.6	5.00	0.00	0.0	92.477	-56.82	5409.92	0.011
L43	16.75 - 11.75 (43)	TP51.3852x50.2725x0.6	5.00	0.00	0.0	94.596	-59.04	5533.88	0.011
L44	11.75 - 6.75 (44)	TP52.4979x51.3852x0.5875	5.00	0.00	0.0	94.723	-61.29	5541.34	0.011
L45	6.75 - 1.75 (45)	TP53.6106x52.4979x0.5875	5.00	0.00	0.0	96.798	-63.48	5662.72	0.011
L46	1.75 - 0 (46)	TP54x53.6106x0.5875	1.75	0.00	0.0	98.873	-65.51	5784.10	0.011

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	176 - 171 (1)	TP17.626x16.5x0.1875	26.83	275.70	0.097	0.00	275.70	0.000
L2	171 - 166 (2)	TP18.752x17.626x0.1875	60.42	309.56	0.195	0.00	309.56	0.000

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 $\frac{M_{uy}}{\phi M_{ny}}$
L3	166 - 161 (3)	TP19.878x18.752x0.1875	118.24	343.14	0.345	0.00	343.14	0.000
L4	161 - 156 (4)	TP21.0039x19.878x0.1875	177.63	377.78	0.470	0.00	377.78	0.000
L5	156 - 151 (5)	TP22.1299x21.0039x0.1875	250.87	413.36	0.607	0.00	413.36	0.000
L6	151 - 144.25 (6)	TP23.65x22.1299x0.1875	301.29	436.94	0.690	0.00	436.94	0.000
L7	144.25 - 142.75 (7)	TP23.6006x22.4868x0.3125	389.01	817.31	0.476	0.00	817.31	0.000
L8	142.75 - 137.75 (8)	TP24.7144x23.6006x0.3125	489.39	897.90	0.545	0.00	897.90	0.000
L9	137.75 - 132.75 (9)	TP25.8281x24.7144x0.3125	591.48	982.28	0.602	0.00	982.28	0.000
L10	132.75 - 127.75 (10)	TP26.9419x25.8281x0.3125	695.31	1070.45	0.650	0.00	1070.45	0.000
L11	127.75 - 127.5 (11)	TP26.9976x26.9419x0.3125	700.55	1074.96	0.652	0.00	1074.96	0.000
L12	127.5 - 122.5 (12)	TP28.1114x26.9976x0.3125	806.25	1167.10	0.691	0.00	1167.10	0.000
L13	122.5 - 120.75 (13)	TP28.5012x28.1114x0.3125	843.67	1200.25	0.703	0.00	1200.25	0.000
L14	120.75 - 120.5 (14)	TP28.5569x28.5012x0.3125	849.04	1205.03	0.705	0.00	1205.03	0.000
L15	120.5 - 117.25 (15)	TP29.2809x28.5569x0.3125	919.20	1267.93	0.725	0.00	1267.93	0.000
L16	117.25 - 117 (16)	TP29.3366x29.2809x0.5375	924.63	2138.77	0.432	0.00	2138.77	0.000
L17	117 - 112 (17)	TP30.4503x29.3366x0.525	1034.41	2258.10	0.458	0.00	2258.10	0.000
L18	112 - 107 (18)	TP31.5641x30.4503x0.525	1146.47	2430.82	0.472	0.00	2430.82	0.000
L19	107 - 102 (19)	TP32.6779x31.5641x0.5125	1260.78	2550.73	0.494	0.00	2550.73	0.000
L20	102 - 94.5833 (20)	TP34.33x32.6779x0.5125	1320.72	2643.55	0.500	0.00	2643.55	0.000
L21	94.5833 - 94.4167 (21)	TP33.7408x32.6283x0.375	1438.72	2017.62	0.713	0.00	2017.62	0.000
L22	94.4167 - 89.4167 (22)	TP34.8532x33.7408x0.375	1558.89	2155.18	0.723	0.00	2155.18	0.000
L23	89.4167 - 87.25 (23)	TP35.3353x34.8532x0.375	1611.49	2216.18	0.727	0.00	2216.18	0.000
L24	87.25 - 87 (24)	TP35.3909x35.3353x0.375	1617.58	2223.28	0.728	0.00	2223.28	0.000
L25	87 - 82 (25)	TP36.5033x35.3909x0.375	1740.31	2359.96	0.737	0.00	2359.96	0.000
L26	82 - 77 (26)	TP37.6158x36.5033x0.375	1864.78	2489.58	0.749	0.00	2489.58	0.000
L27	77 - 72 (27)	TP38.7282x37.6158x0.375	1990.93	2621.44	0.759	0.00	2621.44	0.000
L28	72 - 67 (28)	TP39.8406x38.7282x0.375	2118.73	2755.44	0.769	0.00	2755.44	0.000
L29	67 - 62 (29)	TP40.9531x39.8406x0.375	2248.12	2891.47	0.777	0.00	2891.47	0.000
L30	62 - 61.5 (30)	TP41.0643x40.9531x0.375	2261.14	2905.19	0.778	0.00	2905.19	0.000
L31	61.5 - 61.25 (31)	TP41.1199x41.0643x0.5875	2267.66	4649.68	0.488	0.00	4649.68	0.000
L32	61.25 - 56.25 (32)	TP42.2324x41.1199x0.575	2399.02	4810.13	0.499	0.00	4810.13	0.000
L33	56.25 - 46.9567 (33)	TP44.3x42.2324x0.575	2484.35	4977.62	0.499	0.00	4977.62	0.000
L34	46.9567 - 45.9567 (34)	TP43.7729x42.1965x0.575	2648.45	5121.45	0.517	0.00	5121.45	0.000
L35	45.9567 - 40.9567 (35)	TP44.8856x43.7729x0.5625	2675.84	5066.88	0.528	0.00	5066.88	0.000
L36	40.9567 - 35.9567 (36)	TP45.9982x44.8856x0.5625	2813.80	5332.91	0.528	0.00	5332.91	0.000
L37	35.9567 - 32.25 (37)	TP46.8231x45.9982x0.5625	2953.38	5605.74	0.527	0.00	5605.74	0.000

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 $\frac{M_{uy}}{\phi M_{ny}}$
L38	32.25 - 32 (38)	TP46.8788x46.8231x0.77 5	3057.88	7898.34	0.387	0.00	7898.34	0.000
L39	32 - 31.75 (39)	TP46.9344x46.8788x0.61 25	3064.96	6323.86	0.485	0.00	6323.86	0.000
L40	31.75 - 26.75 (40)	TP48.0471x46.9344x0.61 25	3072.04	6339.17	0.485	0.00	6339.17	0.000
L41	26.75 - 21.75 (41)	TP49.1598x48.0471x0.61 25	3214.51	6649.42	0.483	0.00	6649.42	0.000
L42	21.75 - 16.75 (42)	TP50.2725x49.1598x0.6 25	3358.53	6830.15	0.492	0.00	6830.15	0.000
L43	16.75 - 11.75 (43)	TP51.3852x50.2725x0.6 25	3504.09	7148.71	0.490	0.00	7148.71	0.000
L44	11.75 - 6.75 (44)	TP52.4979x51.3852x0.58 75	3651.21	7324.20	0.499	0.00	7324.20	0.000
L45	6.75 - 1.75 (45)	TP53.6106x52.4979x0.58 75	3799.71	7650.46	0.497	0.00	7650.46	0.000
L46	1.75 - 0 (46)	TP54x53.6106x0.5875	3950.13	7983.82	0.495	0.00	7983.82	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	176 - 171 (1)	TP17.626x16.5x0.1875	5.29	182.13	0.029	0.12	278.15	0.000
L2	171 - 166 (2)	TP18.752x17.626x0.1875	11.41	193.90	0.059	0.40	315.23	0.001
L3	166 - 161 (3)	TP19.878x18.752x0.1875	11.72	205.66	0.057	0.40	354.63	0.001
L4	161 - 156 (4)	TP21.0039x19.878x0.187 5	12.04	217.42	0.055	0.40	396.35	0.001
L5	156 - 151 (5)	TP22.1299x21.0039x0.18 75	15.42	229.18	0.067	0.40	440.39	0.001
L6	151 - 144.25 (6)	TP23.65x22.1299x0.1875	15.62	236.82	0.066	0.40	470.26	0.001
L7	144.25 - 142.75 (7)	TP23.6006x22.4868x0.31 25	19.91	405.38	0.049	0.16	826.76	0.000
L8	142.75 - 137.75 (8)	TP24.7144x23.6006x0.31 25	20.25	424.77	0.048	0.16	907.74	0.000
L9	137.75 - 132.75 (9)	TP25.8281x24.7144x0.31 25	20.59	444.16	0.046	0.16	992.49	0.000
L10	132.75 - 127.75 (10)	TP26.9419x25.8281x0.31 25	20.94	463.55	0.045	0.16	1081.03	0.000
L11	127.75 - 127.5 (11)	TP26.9976x26.9419x0.31 25	20.96	464.52	0.045	0.16	1085.56	0.000
L12	127.5 - 122.5 (12)	TP28.1114x26.9976x0.31 25	21.33	483.91	0.044	0.16	1178.07	0.000
L13	122.5 - 120.75 (13)	TP28.5012x28.1114x0.31 25	21.47	490.69	0.044	0.16	1211.33	0.000
L14	120.75 - 120.5 (14)	TP28.5569x28.5012x0.31 25	21.47	491.66	0.044	0.16	1216.13	0.000
L15	120.5 - 117.25 (15)	TP29.2809x28.5569x0.31 25	21.71	504.26	0.043	0.16	1279.27	0.000
L16	117.25 - 117 (16)	TP29.3366x29.2809x0.53 75	21.74	862.26	0.025	0.16	2174.70	0.000
L17	117 - 112 (17)	TP30.4503x29.3366x0.52 5	22.19	875.15	0.025	0.16	2293.52	0.000
L18	112 - 107 (18)	TP31.5641x30.4503x0.52 5	22.64	907.72	0.025	0.16	2467.42	0.000
L19	107 - 102 (19)	TP32.6779x31.5641x0.51 25	23.09	918.26	0.025	0.16	2586.64	0.000
L20	102 - 94.5833 (20)	TP34.33x32.6779x0.5125	23.32	934.69	0.025	0.16	2680.02	0.000
L21	94.5833 - 94.4167 (21)	TP33.7408x32.6283x0.37 5	23.88	696.97	0.034	0.16	2036.57	0.000
L22	94.4167 - 89.4167 (22)	TP34.8532x33.7408x0.37 5	24.21	720.21	0.034	0.16	2174.63	0.000
L23	89.4167 -	TP35.3353x34.8532x0.37	24.36	730.28	0.033	0.16	2235.86	0.000

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 $\frac{T_u}{\phi T_n}$
L24	87.25 (23)	5						
	87.25 - 87	TP35.3909x35.3353x0.37	24.37	731.44	0.033	0.16	2242.98	0.000
L25	(24)	5						
	87 - 82 (25)	TP36.5033x35.3909x0.37	24.73	754.68	0.033	0.16	2387.76	0.000
L26		5						
	82 - 77 (26)	TP37.6158x36.5033x0.37	25.07	777.92	0.032	0.11	2537.07	0.000
L27		5						
	77 - 72 (27)	TP38.7282x37.6158x0.37	25.41	801.15	0.032	0.11	2690.91	0.000
L28		5						
	72 - 67 (28)	TP39.8406x38.7282x0.37	25.73	824.39	0.031	0.11	2849.27	0.000
L29		5						
	67 - 62 (29)	TP40.9531x39.8406x0.37	26.04	847.63	0.031	0.11	3012.16	0.000
L30		5						
	62 - 61.5 (30)	TP41.0643x40.9531x0.37	26.06	849.95	0.031	0.11	3028.70	0.000
L31		5						
	61.5 - 61.25	TP41.1199x41.0643x0.58	26.07	1326.46	0.020	0.11	4708.44	0.000
L32	(31)	75						
	61.25 - 56.25	TP42.2324x41.1199x0.57	26.47	1334.27	0.020	0.11	4867.61	0.000
L33	(32)	5						
	56.25 -	TP44.3x42.2324x0.575	26.70	1357.14	0.020	0.11	5035.94	0.000
L34	46.9567 (33)							
	46.9567 -	TP43.7729x42.1965x0.57	27.43	1383.61	0.020	0.11	5180.48	0.000
L35	45.9567 (34)	5						
	45.9567 -	TP44.8856x43.7729x0.56	27.50	1360.90	0.020	0.11	5123.45	0.000
L36	40.9567 (35)	25						
	40.9567 -	TP45.9982x44.8856x0.56	27.82	1395.76	0.020	0.11	5390.71	0.000
L37	35.9567 (36)	25						
	35.9567 -	TP46.8231x45.9982x0.56	28.16	1432.27	0.020	0.11	5664.77	0.000
L38	32.25 (37)	25						
	32.25 - 32	TP46.8788x46.8231x0.77	28.31	1990.32	0.014	0.11	8016.59	0.000
L39	(38)	5						
	32 - 31.75	TP46.9344x46.8788x0.61	28.33	1580.43	0.018	0.11	6395.86	0.000
L40	(39)	25						
	31.75 - 26.75	TP48.0471x46.9344x0.61	28.40	1588.03	0.018	0.11	6411.25	0.000
L41	(40)	25						
	26.75 - 21.75	TP49.1598x48.0471x0.61	28.71	1625.99	0.018	0.01	6722.96	0.000
L42	(41)	25						
	21.75 - 16.75	TP50.2725x49.1598x0.6	29.02	1630.41	0.018	0.01	6901.90	0.000
L43	(42)							
	16.75 - 11.75	TP51.3852x50.2725x0.6	29.33	1667.60	0.018	0.01	7221.82	0.000
L44	(43)							
	11.75 - 6.75	TP52.4979x51.3852x0.58	29.64	1669.68	0.018	0.01	7395.37	0.000
L45	(44)	75						
	6.75 - 1.75	TP53.6106x52.4979x0.58	30.01	1706.10	0.018	0.16	7722.89	0.000
L46	(45)	75						
	1.75 - 0 (46)	TP54x53.6106x0.5875	30.38	1747.97	0.017	0.16	8057.52	0.000

Pole Interaction Design Data

Section No.	Elevation ft	Ratio P_u	Ratio M_{ux}	Ratio M_{uy}	Ratio V_u	Ratio T_u	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	176 - 171 (1)	ϕP_n	ϕM_{nx}	ϕM_{ny}	ϕV_n	ϕT_n			
L2	171 - 166 (2)	0.005	0.097	0.000	0.029	0.000	0.103	1.050	4.8.2
L3	166 - 161 (3)	0.010	0.195	0.000	0.059	0.001	0.209	1.050	4.8.2
L4	161 - 156 (4)	0.010	0.345	0.000	0.057	0.001	0.358	1.050	4.8.2
L5	156 - 151 (5)	0.010	0.470	0.000	0.055	0.001	0.483	1.050	4.8.2
L6	151 - 144.25 (6)	0.014	0.607	0.000	0.067	0.001	0.625	1.050	4.8.2
		0.014	0.690	0.000	0.066	0.001	0.708	1.050	4.8.2
L7	144.25 - 142.75 (7)	0.011	0.476	0.000	0.049	0.000	0.489	1.050	4.8.2
L8	142.75 - 137.75 (8)	0.011	0.545	0.000	0.048	0.000	0.558	1.050	4.8.2
L9	137.75 -	0.011	0.602	0.000	0.046	0.000	0.615	1.050	4.8.2

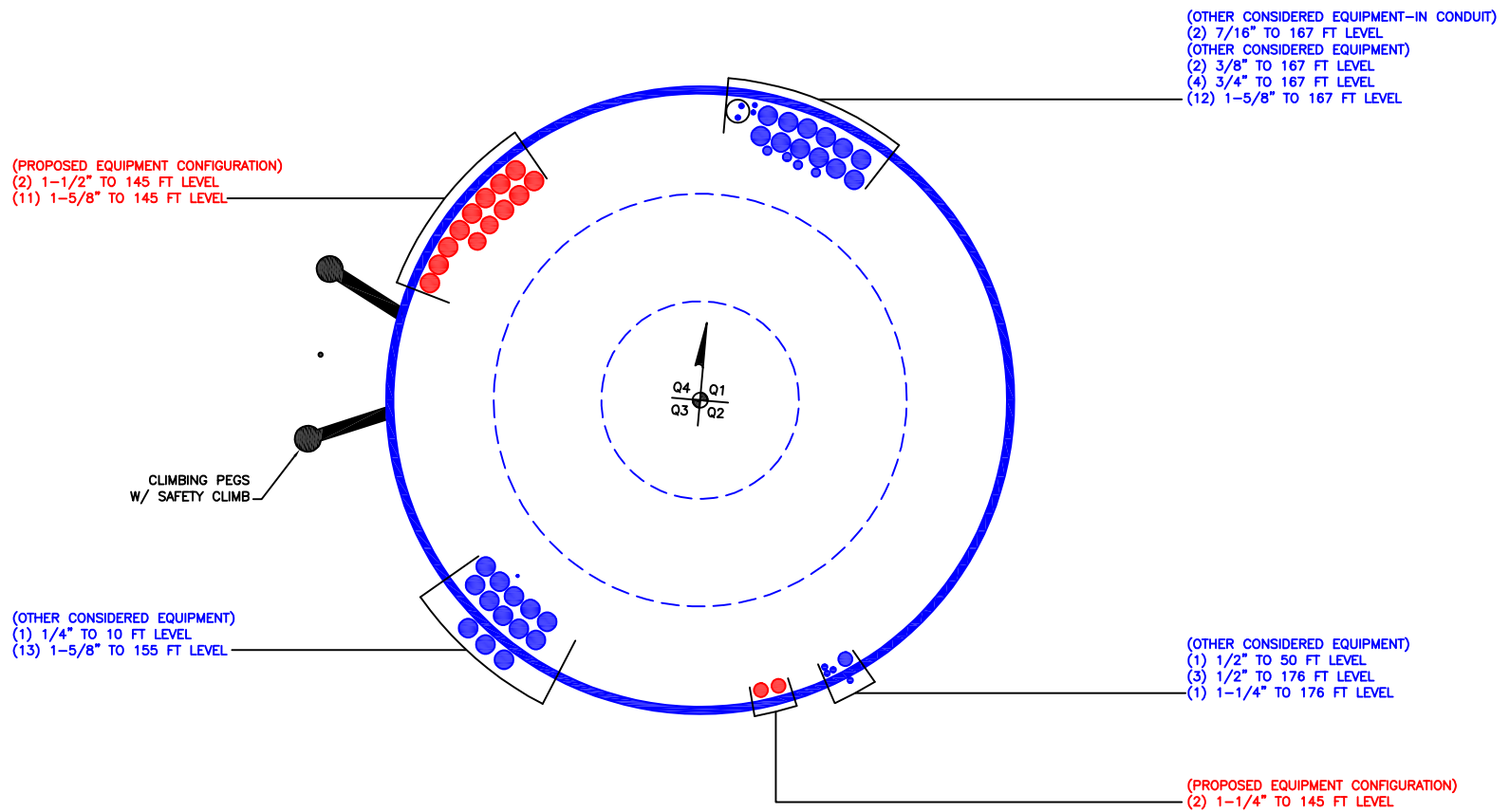
Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L10	132.75 (9)								
L11	132.75 - 127.75 (10)	0.011	0.650	0.000	0.045	0.000	0.663	1.050	4.8.2
L12	127.75 - 127.5 (11)	0.011	0.652	0.000	0.045	0.000	0.665	1.050	4.8.2
L13	127.5 - 122.5 (12)	0.012	0.691	0.000	0.044	0.000	0.704	1.050	4.8.2
L14	122.5 - 120.75 (13)	0.012	0.703	0.000	0.044	0.000	0.717	1.050	4.8.2
L15	120.75 - 120.5 (14)	0.012	0.705	0.000	0.044	0.000	0.718	1.050	4.8.2
L16	120.5 - 117.25 (15)	0.012	0.725	0.000	0.043	0.000	0.739	1.050	4.8.2
L17	117.25 - 117 (16)	0.007	0.432	0.000	0.025	0.000	0.440	1.050	4.8.2
L18	117 - 112 (17)	0.007	0.458	0.000	0.025	0.000	0.466	1.050	4.8.2
L19	112 - 107 (18)	0.008	0.472	0.000	0.025	0.000	0.480	1.050	4.8.2
L20	107 - 102 (19)	0.008	0.494	0.000	0.025	0.000	0.503	1.050	4.8.2
L21	102 - 94.5833 (20)	0.008	0.500	0.000	0.025	0.000	0.509	1.050	4.8.2
L22	94.5833 - 94.4167 (21)	0.012	0.713	0.000	0.034	0.000	0.727	1.050	4.8.2
L23	94.4167 - 89.4167 (22)	0.012	0.723	0.000	0.034	0.000	0.737	1.050	4.8.2
L24	89.4167 - 87.25 (23)	0.013	0.727	0.000	0.033	0.000	0.741	1.050	4.8.2
L25	87.25 - 87 (24)	0.013	0.728	0.000	0.033	0.000	0.741	1.050	4.8.2
L26	87 - 82 (25)	0.013	0.737	0.000	0.033	0.000	0.751	1.050	4.8.2
L27	82 - 77 (26)	0.013	0.749	0.000	0.032	0.000	0.763	1.050	4.8.2
L28	77 - 72 (27)	0.013	0.759	0.000	0.032	0.000	0.774	1.050	4.8.2
L29	72 - 67 (28)	0.014	0.769	0.000	0.031	0.000	0.783	1.050	4.8.2
L30	67 - 62 (29)	0.014	0.777	0.000	0.031	0.000	0.792	1.050	4.8.2
L31	62 - 61.5 (30)	0.014	0.778	0.000	0.031	0.000	0.793	1.050	4.8.2
L32	61.5 - 61.25 (31)	0.009	0.488	0.000	0.020	0.000	0.497	1.050	4.8.2
L33	61.25 - 56.25 (32)	0.009	0.499	0.000	0.020	0.000	0.508	1.050	4.8.2
L34	56.25 - 46.9567 (33)	0.009	0.499	0.000	0.020	0.000	0.509	1.050	4.8.2
L35	46.9567 - 45.9567 (34)	0.010	0.517	0.000	0.020	0.000	0.528	1.050	4.8.2
L36	45.9567 - 40.9567 (35)	0.010	0.528	0.000	0.020	0.000	0.539	1.050	4.8.2
L37	40.9567 - 35.9567 (36)	0.011	0.528	0.000	0.020	0.000	0.539	1.050	4.8.2
L38	35.9567 - 32.25 (37)	0.011	0.527	0.000	0.020	0.000	0.538	1.050	4.8.2
L39	32.25 - 32 (38)	0.008	0.387	0.000	0.014	0.000	0.395	1.050	4.8.2
L40	32 - 31.75 (39)	0.010	0.485	0.000	0.018	0.000	0.495	1.050	4.8.2
L41	31.75 - 26.75 (40)	0.010	0.485	0.000	0.018	0.000	0.495	1.050	4.8.2
L42	26.75 - 21.75 (41)	0.010	0.483	0.000	0.018	0.000	0.494	1.050	4.8.2
L43	21.75 - 16.75 (42)	0.011	0.492	0.000	0.018	0.000	0.503	1.050	4.8.2
L44	16.75 - 11.75 (43)	0.011	0.490	0.000	0.018	0.000	0.501	1.050	4.8.2
L45	11.75 - 6.75 (44)	0.011	0.499	0.000	0.018	0.000	0.510	1.050	4.8.2
L46	6.75 - 1.75 (45)	0.011	0.497	0.000	0.018	0.000	0.508	1.050	4.8.2
	1.75 - 0 (46)	0.011	0.495	0.000	0.017	0.000	0.506	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	176 - 171	Pole	TP17.626x16.5x0.1875	1	-2.84	637.47	9.8	Pass
L2	171 - 166	Pole	TP18.752x17.626x0.1875	2	-6.31	678.63	19.9	Pass
L3	166 - 161	Pole	TP19.878x18.752x0.1875	3	-6.65	719.79	34.1	Pass
L4	161 - 156	Pole	TP21.0039x19.878x0.1875	4	-7.03	760.96	46.0	Pass
L5	156 - 151	Pole	TP22.1299x21.0039x0.1875	5	-10.53	802.12	59.6	Pass
L6	151 - 144.25	Pole	TP23.65x22.1299x0.1875	6	-10.90	828.87	67.4	Pass
L7	144.25 - 142.75	Pole	TP23.6006x22.4868x0.3125	7	-14.73	1418.84	46.6	Pass
L8	142.75 - 137.75	Pole	TP24.7144x23.6006x0.3125	8	-15.57	1486.71	53.2	Pass
L9	137.75 - 132.75	Pole	TP25.8281x24.7144x0.3125	9	-16.45	1554.57	58.6	Pass
L10	132.75 - 127.75	Pole	TP26.9419x25.8281x0.3125	10	-17.45	1622.42	63.1	Pass
L11	127.75 - 127.5	Pole	TP26.9976x26.9419x0.3125	11	-17.52	1625.82	63.3	Pass
L12	127.5 - 122.5	Pole	TP28.1114x26.9976x0.3125	12	-18.73	1693.67	67.1	Pass
L13	122.5 - 120.75	Pole	TP28.5012x28.1114x0.3125	13	-19.15	1717.42	68.2	Pass
L14	120.75 - 120.5	Pole	TP28.5569x28.5012x0.3125	14	-19.24	1720.81	68.4	Pass
L15	120.5 - 117.25	Pole	TP29.2809x28.5569x0.3125	15	-20.08	1764.92	70.4	Pass
L16	117.25 - 117	Pole	TP29.3366x29.2809x0.5375	16	-20.18	3017.93	41.9	Pass
L17	117 - 112	Pole	TP30.4503x29.3366x0.525	17	-21.83	3063.03	44.4	Pass
L18	112 - 107	Pole	TP31.5641x30.4503x0.525	18	-23.53	3177.03	45.7	Pass
L19	107 - 102	Pole	TP32.6779x31.5641x0.5125	19	-25.25	3213.91	47.9	Pass
L20	102 - 94.5833	Pole	TP34.33x32.6779x0.5125	20	-26.15	3271.42	48.4	Pass
L21	94.5833 - 94.4167	Pole	TP33.7408x32.6283x0.375	21	-28.65	2439.41	69.2	Pass
L22	94.4167 - 89.4167	Pole	TP34.8532x33.7408x0.375	22	-29.86	2520.75	70.2	Pass
L23	89.4167 - 87.25	Pole	TP35.3353x34.8532x0.375	23	-30.55	2555.98	70.6	Pass
L24	87.25 - 87	Pole	TP35.3909x35.3353x0.375	24	-30.64	2560.05	70.6	Pass
L25	87 - 82	Pole	TP36.5033x35.3909x0.375	25	-32.26	2641.38	71.6	Pass
L26	82 - 77	Pole	TP37.6158x36.5033x0.375	26	-33.93	2722.71	72.7	Pass
L27	77 - 72	Pole	TP38.7282x37.6158x0.375	27	-35.62	2804.05	73.7	Pass
L28	72 - 67	Pole	TP39.8406x38.7282x0.375	28	-37.34	2885.38	74.6	Pass
L29	67 - 62	Pole	TP40.9531x39.8406x0.375	29	-38.93	2966.71	75.4	Pass
L30	62 - 61.5	Pole	TP41.0643x40.9531x0.375	30	-39.08	2974.84	75.5	Pass
L31	61.5 - 61.25	Pole	TP41.1199x41.0643x0.5875	31	-39.17	4642.62	47.3	Pass
L32	61.25 - 56.25	Pole	TP42.2324x41.1199x0.575	32	-41.02	4669.95	48.4	Pass
L33	56.25 - 46.9567	Pole	TP44.3x42.2324x0.575	33	-42.23	4750.01	48.5	Pass
L34	46.9567 - 45.9567	Pole	TP43.7729x42.1965x0.575	34	-46.47	4817.69	50.3	Pass
L35	45.9567 - 40.9567	Pole	TP44.8856x43.7729x0.5625	35	-46.86	4738.73	51.3	Pass
L36	40.9567 - 35.9567	Pole	TP45.9982x44.8856x0.5625	36	-48.79	4860.76	51.3	Pass
L37	35.9567 - 32.25	Pole	TP46.8231x45.9982x0.5625	37	-50.75	4982.79	51.2	Pass
L38	32.25 - 32	Pole	TP46.8788x46.8231x0.775	38	-52.21	6957.70	37.6	Pass
L39	32 - 31.75	Pole	TP46.9344x46.8788x0.6125	39	-52.34	5524.88	47.1	Pass
L40	31.75 - 26.75	Pole	TP48.0471x46.9344x0.6125	40	-52.46	5531.52	47.1	Pass
L41	26.75 - 21.75	Pole	TP49.1598x48.0471x0.6125	41	-54.62	5664.39	47.0	Pass
L42	21.75 - 16.75	Pole	TP50.2725x49.1598x0.6	42	-56.82	5680.42	47.9	Pass
L43	16.75 - 11.75	Pole	TP51.3852x50.2725x0.6	43	-59.04	5810.57	47.7	Pass
L44	11.75 - 6.75	Pole	TP52.4979x51.3852x0.5875	44	-61.29	5818.41	48.6	Pass
L45	6.75 - 1.75	Pole	TP53.6106x52.4979x0.5875	45	-63.48	5945.86	48.4	Pass
L46	1.75 - 0	Pole	TP54x53.6106x0.5875	46	-65.51	6073.30	48.2	Pass
							Summary	
							Pole (L30)	Pass
							RATING =	Pass

***NOTE: Above stress ratios for reinforced sections are approximate. More exact calculations are presented in Appendix C.**

APPENDIX B
BASE LEVEL DRAWING



APPENDIX C
ADDITIONAL CALCULATIONS

Site BU: 876381
Work Order: 1953710

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Pole Geometry

	Pole Height Above Base (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Bend Radius (in)	Pole Material
1	176	31.75	3.5	18	16.5	23.65	0.1875	Auto	A572-65
2	147.75	53.16667	4.83333	18	22.49	34.33	0.3125	Auto	A572-65
3	99.41666	52.46	6.08334	18	32.63	44.3	0.375	Auto	A572-65
4	53.04	53.04	0	18	42.20	54	0.375	Auto	A572-65

Reinforcement Configuration

	Bottom Effective Elevation (ft)	Top Effective Elevation (ft)	Type	Model	Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	0	32.25	plate	CCI-WSFP-065125	4		M1				M1					M1				M1			
2	32	61.5	plate	CCI-SFP-065125	3	M1						M1						M1					
3	61.5	87.25	plate	CCI-SFP-060100	3	M1						M1						M1					
4	87.25	117.25	plate	CCI-SFP-060100	3	M1						M1						M1					
5	120.75	127.75	plate	CCI-SFP-045100	3	M2						M2						M2					
6																							
7																							
8																							
9																							
10																							

Reinforcement Details

	B (in)	H (in)	Gross Area (in ²)	Pole Face to Centroid (in)	Bottom Termination Type	Bottom Termination Length (in)	Top Termination Type	Top Termination Length (in)	Lu (in)	Net Area (in ²)	Bolt Hole Size (in)	Reinforcement Material
1	6.5	1.25	8.125	0.625	Welded	n/a	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
2	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.000	6.563	1.1875	A572-65
3	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
4	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.000	4.750	1.1875	A572-65
5	4.5	1	4.5	0.5	PC 8.8 - M20 (100)	18	PC 8.8 - M20 (100)	18.000	20.000	3.250	1.1875	A572-65

TNX Geometry Input

Increment (ft): 5 [Export to TNX](#)

	Section Height (ft)	Section Length (ft)	Lap Splice Length (ft)	Number of Sides	Top Diameter (in)	Bottom Diameter (in)	Wall Thickness (in)	Tapered Pole Grade	Weight Multiplier
1	176 - 171	5		18	16.500	17.626	0.1875	A572-65	1.000
2	171 - 166	5		18	17.626	18.752	0.1875	A572-65	1.000
3	166 - 161	5		18	18.752	19.878	0.1875	A572-65	1.000
4	161 - 156	5		18	19.878	21.004	0.1875	A572-65	1.000
5	156 - 151	5		18	21.004	22.130	0.1875	A572-65	1.000
6	151 - 147.75	6.75	3.5	18	22.130	23.650	0.1875	A572-65	1.000
7	147.75 - 142.75	5		18	22.487	23.601	0.3125	A572-65	1.000
8	142.75 - 137.75	5		18	23.601	24.714	0.3125	A572-65	1.000
9	137.75 - 132.75	5		18	24.714	25.828	0.3125	A572-65	1.000
10	132.75 - 127.75	5		18	25.828	26.942	0.3125	A572-65	1.000
11	127.75 - 127.5	0.25		18	26.942	26.998	0.3125	A572-65	1.000
12	127.5 - 122.5	5		18	26.998	28.111	0.3125	A572-65	1.000
13	122.5 - 120.75	1.75		18	28.111	28.501	0.3125	A572-65	1.000
14	120.75 - 120.5	0.25		18	28.501	28.557	0.3125	A572-65	1.000
15	120.5 - 117.25	3.25		18	28.557	29.281	0.3125	A572-65	1.000
16	117.25 - 117	0.25		18	29.281	29.337	0.5375	A572-65	0.952
17	117 - 112	5		18	29.337	30.450	0.525	A572-65	0.960
18	112 - 107	5		18	30.450	31.564	0.525	A572-65	0.947
19	107 - 102	5		18	31.564	32.678	0.5125	A572-65	0.958
20	102 - 99.41666	7.41667	4.83333	18	32.678	34.330	0.5125	A572-65	0.951
21	99.41666 - 94.41666	5		18	32.628	33.741	0.375	A572-65	1.000
22	94.41666 - 89.41666	5		18	33.741	34.853	0.375	A572-65	1.000
23	89.41666 - 87.25	2.16666		18	34.853	35.335	0.375	A572-65	1.000
24	87.25 - 87	0.25		18	35.335	35.391	0.375	A572-65	1.000
25	87 - 82	5		18	35.391	36.503	0.375	A572-65	1.000
26	82 - 77	5		18	36.503	37.616	0.375	A572-65	1.000
27	77 - 72	5		18	37.616	38.728	0.375	A572-65	1.000
28	72 - 67	5		18	38.728	39.841	0.375	A572-65	1.000
29	67 - 62	5		18	39.841	40.953	0.375	A572-65	1.000
30	62 - 61.5	0.5		18	40.953	41.064	0.375	A572-65	1.000
31	61.5 - 61.25	0.25		18	41.064	41.120	0.5875	A572-65	0.964
32	61.25 - 56.25	5		18	41.120	42.232	0.575	A572-65	0.976
33	56.25 - 53.04	9.29334	6.08334	18	42.232	44.300	0.575	A572-65	0.970
34	53.04 - 45.95666	7.08334		18	42.197	43.773	0.575	A572-65	0.964
35	45.95666 - 40.95666	5		18	43.773	44.886	0.5625	A572-65	0.978
36	40.95666 - 35.95666	5		18	44.886	45.998	0.5625	A572-65	0.970
37	35.95666 - 32.25	3.70666		18	45.998	46.823	0.5625	A572-65	0.965
38	32.25 - 32	0.25		18	46.823	46.879	0.775	A572-65	0.990
39	32 - 31.75	0.25		18	46.879	46.934	0.6125	A572-65	0.976
40	31.75 - 26.75	5		18	46.934	48.047	0.6125	A572-65	0.968
41	26.75 - 21.75	5		18	48.047	49.160	0.6125	A572-65	0.960
42	21.75 - 16.75	5		18	49.160	50.272	0.6	A572-65	0.971
43	16.75 - 11.75	5		18	50.272	51.385	0.6	A572-65	0.964
44	11.75 - 6.75	5		18	51.385	52.498	0.5875	A572-65	0.977
45	6.75 - 1.75	5		18	52.498	53.611	0.5875	A572-65	0.970
46	1.75 - 0	1.75		18	53.611	54.000	0.5875	A572-65	0.967

TNX Section Forces

Increment (ft): 5		TNX Output		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	176 - 171	2.84	26.83	5.29
2	171 - 166	6.31	60.42	11.41
3	166 - 161	6.65	118.24	11.72
4	161 - 156	7.03	177.63	12.04
5	156 - 151	10.53	250.87	15.42
6	151 - 147.75	10.90	301.29	15.62
7	147.75 - 142.75	14.73	389.01	19.91
8	142.75 - 137.75	15.57	489.39	20.25
9	137.75 - 132.75	16.45	591.48	20.59
10	132.75 - 127.75	17.45	695.31	20.94
11	127.75 - 127.5	17.52	700.55	20.96
12	127.5 - 122.5	18.73	806.25	21.33
13	122.5 - 120.75	19.15	843.67	21.47
14	120.75 - 120.5	19.24	849.04	21.47
15	120.5 - 117.25	20.08	919.20	21.71
16	117.25 - 117	20.18	924.63	21.74
17	117 - 112	21.83	1034.41	22.19
18	112 - 107	23.53	1146.47	22.64
19	107 - 102	25.25	1260.79	23.09
20	102 - 99.4167	26.15	1320.73	23.32
21	99.4167 - 94.4167	28.65	1438.72	23.88
22	94.4167 - 89.4167	29.86	1558.89	24.21
23	89.4167 - 87.25	30.55	1611.49	24.36
24	87.25 - 87	30.64	1617.58	24.37
25	87 - 82	32.26	1740.30	24.73
26	82 - 77	33.93	1864.77	25.07
27	77 - 72	35.62	1990.93	25.41
28	72 - 67	37.34	2118.73	25.73
29	67 - 62	38.93	2248.12	26.04
30	62 - 61.5	39.08	2261.14	26.06
31	61.5 - 61.25	39.17	2267.66	26.07
32	61.25 - 56.25	41.02	2399.02	26.47
33	56.25 - 53.04	42.23	2484.35	26.70
34	53.04 - 45.9567	46.84	2675.84	27.43
35	45.9567 - 40.9567	48.77	2813.80	27.76
36	40.9567 - 35.9567	50.73	2953.39	28.08
37	35.9567 - 32.25	52.20	3057.88	28.31
38	32.25 - 32	52.34	3064.96	28.31
39	32 - 31.75	52.45	3072.04	28.33
40	31.75 - 26.75	54.61	3214.51	28.65
41	26.75 - 21.75	56.80	3358.52	28.96
42	21.75 - 16.75	59.02	3504.09	29.27
43	16.75 - 11.75	61.27	3651.21	29.58
44	11.75 - 6.75	63.46	3799.71	29.95
45	6.75 - 1.75	65.49	3950.13	30.26
46	1.75 - 0	66.20	4003.14	30.38

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
176 - 171	Pole	TP17.626x16.5x0.1875	Pole	9.8%	Pass
171 - 166	Pole	TP18.752x17.626x0.1875	Pole	19.8%	Pass
166 - 161	Pole	TP19.878x18.752x0.1875	Pole	34.1%	Pass
161 - 156	Pole	TP21.004x19.878x0.1875	Pole	46.0%	Pass
156 - 151	Pole	TP22.13x21.004x0.1875	Pole	59.5%	Pass
151 - 147.75	Pole	TP23.65x22.13x0.1875	Pole	67.4%	Pass
147.75 - 142.75	Pole	TP23.601x22.487x0.3125	Pole	46.6%	Pass
142.75 - 137.75	Pole	TP24.714x23.601x0.3125	Pole	53.1%	Pass
137.75 - 132.75	Pole	TP25.828x24.714x0.3125	Pole	58.6%	Pass
132.75 - 127.75	Pole	TP26.942x25.828x0.3125	Pole	63.1%	Pass
127.75 - 127.5	Pole	TP26.998x26.942x0.3125	Pole	63.3%	Pass
127.5 - 122.5	Pole	TP28.111x26.998x0.3125	Pole	67.0%	Pass
122.5 - 120.75	Pole	TP28.501x28.111x0.3125	Pole	68.2%	Pass
120.75 - 120.5	Pole	TP28.557x28.501x0.3125	Pole	68.4%	Pass
120.5 - 117.25	Pole	TP29.281x28.557x0.3125	Pole	70.3%	Pass
117.25 - 117	Pole + Reinf.	TP29.337x29.281x0.5375	Reinf. 4 Tension Rupture	66.2%	Pass
117 - 112	Pole + Reinf.	TP30.45x29.337x0.525	Reinf. 4 Tension Rupture	69.7%	Pass
112 - 107	Pole + Reinf.	TP31.564x30.45x0.525	Reinf. 4 Tension Rupture	72.9%	Pass
107 - 102	Pole + Reinf.	TP32.678x31.564x0.5125	Reinf. 4 Tension Rupture	75.7%	Pass
102 - 99.42	Pole + Reinf.	TP34.33x32.678x0.5125	Reinf. 4 Tension Rupture	77.1%	Pass
99.42 - 94.42	Pole	TP33.741x32.628x0.375	Pole	69.2%	Pass
94.42 - 89.42	Pole	TP34.853x33.741x0.375	Pole	70.1%	Pass
89.42 - 87.25	Pole	TP35.335x34.853x0.375	Pole	70.5%	Pass
87.25 - 87	Pole	TP35.391x35.335x0.375	Pole	70.6%	Pass
87 - 82	Pole	TP36.503x35.391x0.375	Pole	71.5%	Pass
82 - 77	Pole	TP37.616x36.503x0.375	Pole	72.7%	Pass
77 - 72	Pole	TP38.728x37.616x0.375	Pole	73.7%	Pass
72 - 67	Pole	TP39.841x38.728x0.375	Pole	74.6%	Pass
67 - 62	Pole	TP40.953x39.841x0.375	Pole	75.5%	Pass
62 - 61.5	Pole	TP41.064x40.953x0.375	Pole	75.5%	Pass
61.5 - 61.25	Pole + Reinf.	TP41.12x41.064x0.5875	Reinf. 2 Tension Rupture	73.2%	Pass
61.25 - 56.25	Pole + Reinf.	TP42.232x41.12x0.575	Reinf. 2 Tension Rupture	74.1%	Pass
56.25 - 53.04	Pole + Reinf.	TP44.3x42.232x0.575	Reinf. 2 Tension Rupture	74.6%	Pass
53.04 - 45.96	Pole + Reinf.	TP43.773x42.197x0.575	Reinf. 2 Tension Rupture	77.8%	Pass
45.96 - 40.96	Pole + Reinf.	TP44.886x43.773x0.5625	Reinf. 2 Tension Rupture	78.5%	Pass
40.96 - 35.96	Pole + Reinf.	TP45.998x44.886x0.5625	Reinf. 2 Tension Rupture	79.0%	Pass
35.96 - 32.25	Pole + Reinf.	TP46.823x45.998x0.5625	Reinf. 2 Tension Rupture	79.4%	Pass
32.25 - 32	Pole + Reinf.	TP46.879x46.823x0.775	Reinf. 2 Tension Rupture	57.4%	Pass
32 - 31.75	Pole + Reinf.	TP46.934x46.879x0.6125	Reinf. 1 Tension Rupture	71.6%	Pass
31.75 - 26.75	Pole + Reinf.	TP48.047x46.934x0.6125	Reinf. 1 Tension Rupture	72.1%	Pass
26.75 - 21.75	Pole + Reinf.	TP49.16x48.047x0.6125	Reinf. 1 Tension Rupture	72.5%	Pass
21.75 - 16.75	Pole + Reinf.	TP50.272x49.16x0.6	Reinf. 1 Tension Rupture	73.0%	Pass
16.75 - 11.75	Pole + Reinf.	TP51.385x50.272x0.6	Reinf. 1 Tension Rupture	73.4%	Pass
11.75 - 6.75	Pole + Reinf.	TP52.498x51.385x0.5875	Reinf. 1 Tension Rupture	73.7%	Pass
6.75 - 1.75	Pole + Reinf.	TP53.611x52.498x0.5875	Reinf. 1 Tension Rupture	74.0%	Pass
1.75 - 0	Pole + Reinf.	TP54x53.611x0.5875	Reinf. 1 Tension Rupture	74.1%	Pass
				Summary	
			Pole	75.5%	Pass
			Reinforcement	79.4%	Pass
			Overall	79.4%	Pass

Additional Calculations

Section Elevation (ft)	Moment of Inertia (in ⁴)			Area (in ²)			% Capacity*					
	Pole	Reinf.	Total	Pole	Reinf.	Total	Pole	R1	R2	R3	R4	R5
176 - 171	399	n/a	399	10.38	n/a	10.38	9.8%					
171 - 166	481	n/a	481	11.05	n/a	11.05	19.8%					
166 - 161	574	n/a	574	11.72	n/a	11.72	34.1%					
161 - 156	678	n/a	678	12.39	n/a	12.39	46.0%					
156 - 151	794	n/a	794	13.06	n/a	13.06	59.5%					
151 - 147.75	876	n/a	876	13.49	n/a	13.49	67.4%					
147.75 - 142.75	1582	n/a	1582	23.10	n/a	23.10	46.6%					
142.75 - 137.75	1820	n/a	1820	24.20	n/a	24.20	53.1%					
137.75 - 132.75	2081	n/a	2081	25.31	n/a	25.31	58.6%					
132.75 - 127.75	2366	n/a	2366	26.41	n/a	26.41	63.1%					
127.75 - 127.5	2380	n/a	2380	26.47	n/a	26.47	63.3%					
127.5 - 122.5	2691	n/a	2691	27.57	n/a	27.57	67.0%					
122.5 - 120.75	2806	n/a	2806	27.96	n/a	27.96	68.2%					
120.75 - 120.5	2823	n/a	2823	28.01	n/a	28.01	68.4%					
120.5 - 117.25	3045	n/a	3045	28.73	n/a	28.73	70.3%					
117.25 - 117	3063	2098	5161	28.79	18.00	46.79	41.2%				66.2%	
117 - 112	3429	2253	5682	29.89	18.00	47.89	43.6%				69.7%	
112 - 107	3823	2414	6237	31.00	18.00	49.00	46.1%				72.9%	
107 - 102	4247	2580	6827	32.10	18.00	50.10	48.4%				75.7%	
102 - 99.42	4478	2668	7145	32.67	18.00	50.67	49.5%				77.1%	
99.42 - 94.42	5584	n/a	5584	39.71	n/a	39.71	69.2%					
94.42 - 89.42	6161	n/a	6161	41.04	n/a	41.04	70.1%					
89.42 - 87.25	6423	n/a	6423	41.61	n/a	41.61	70.5%					
87.25 - 87	6454	n/a	6454	41.68	n/a	41.68	70.6%					
87 - 82	7089	n/a	7089	43.00	n/a	43.00	71.5%					
82 - 77	7764	n/a	7764	44.32	n/a	44.32	72.7%					
77 - 72	8481	n/a	8481	45.65	n/a	45.65	73.7%					
72 - 67	9240	n/a	9240	46.97	n/a	46.97	74.6%					
67 - 62	10044	n/a	10044	48.30	n/a	48.30	75.5%					
62 - 61.5	10127	n/a	10127	48.43	n/a	48.43	75.5%					
61.5 - 61.25	10168	5514	15682	48.49	24.38	72.87	48.3%		73.2%			
61.25 - 56.25	11024	5805	16829	49.82	24.38	74.19	49.3%		74.1%			
56.25 - 53.04	11598	5996	17594	50.67	24.38	75.04	49.9%		74.6%			
53.04 - 45.96	12286	6221	18507	51.65	24.38	76.03	52.4%		77.8%			
45.96 - 40.96	13256	6530	19786	52.98	24.38	77.35	53.3%		78.5%			
40.96 - 35.96	14275	6846	21121	54.30	24.38	78.68	54.2%		79.0%			
35.96 - 32.25	15063	7086	22149	55.28	24.38	79.66	54.8%		79.4%			
32.25 - 32	15118	15528	30645	55.35	56.88	112.22	40.2%	55.5%	57.4%			
32 - 31.75	15172	9209	24381	55.42	32.50	87.92	50.9%	71.6%				
31.75 - 26.75	16286	9932	26218	56.74	32.50	89.24	50.9%	72.1%				
26.75 - 21.75	17453	10383	27836	58.06	32.50	90.56	51.7%	72.5%				
21.75 - 16.75	18675	10844	29518	59.39	32.50	91.89	52.5%	73.0%				
16.75 - 11.75	19952	11314	31266	60.71	32.50	93.21	53.2%	73.4%				
11.75 - 6.75	21286	11795	33082	62.04	32.50	94.54	53.9%	73.7%				
6.75 - 1.75	22679	12286	34965	63.36	32.50	95.86	54.6%	74.0%				
1.75 - 0	23180	12460	35641	63.82	32.50	96.32	54.9%	74.1%				

Note: Section capacity checked using 5 degree increments.

Rating per TIA-222-H Section 15.5.

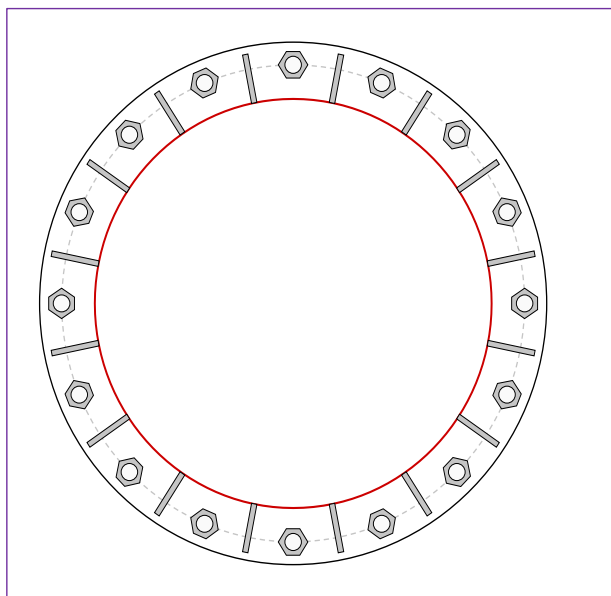
Monopole Base Plate Connection

Site Info	
BU #	876381
Site Name	Ward
Order #	552645 Rev. 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	No
I_{ar} (in)	1

Applied Loads	
Moment (kip-ft)	4003.14
Axial Force (kips)	66.20
Shear Force (kips)	30.38

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
(16) 2-1/4" ϕ bolts (A615-75 N; $F_y=75$ ksi, $F_u=100$ ksi) on 63" BC		$Pu_t = 186.39$	$\phi Pn_t = 243.75$ Stress Rating
		$Vu = 1.9$	$\phi Vn = 149.1$ 72.8%
		$Mu = n/a$	$\phi Mn = n/a$ Pass
Base Plate Data		Base Plate Summary	
69" OD x 2" Plate (A572-60; $F_y=60$ ksi, $F_u=75$ ksi)		Max Stress (ksi):	31.92 (Roark's Flexural)
		Allowable Stress (ksi):	54
		Stress Rating:	56.3% Pass
Stiffener Data		Stiffener Summary	
(16) 15"H x 6.5"W x 0.75"T, Notch: 0.75"		Horizontal Weld:	50.8% Pass
plate: $F_y=65$ ksi ; weld: $F_y=80$ ksi		Vertical Weld:	59.3% Pass
horiz. weld: 0.375" groove, 45° dbl bevel, 0.3125" fillet		Plate Flexure+Shear:	19.6% Pass
vert. weld: 0.3125" fillet		Plate Tension+Shear:	49.8% Pass
		Plate Compression:	59.3% Pass
Pole Data		Pole Summary	
54" x 0.375" 18-sided pole (A572-65; $F_y=65$ ksi, $F_u=80$ ksi)		Punching Shear:	18.3% Pass

Drilled Pier Foundation

BU #: 876381
 Site Name: Ward
 Order Number: 552645 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

Applied Loads		
	Comp.	Uplift
Moment (kip-ft)	4003.14	
Axial Force (kips)	66.21	
Shear Force (kips)	30.35	

Material Properties	
Concrete Strength, f _c :	4 ksi
Rebar Strength, F _y :	60 ksi
Tie Yield Strength, F _{yt} :	60 ksi

Pier Design Data	
Depth	29 ft
Ext. Above Grade	1 ft
Pier Section 1	
<i>From 1' above grade to 29' below grade</i>	
Pier Diameter	7 ft
Rebar Quantity	24
Rebar Size	11
Rebar Cage Diameter	73 in
Tie Size	5
Tie Spacing	12 in

[Rebar & Pier Options](#)

[Embedded Pole Inputs](#)

[Belled Pier Inputs](#)

Analysis Results		
Soil Lateral Check	Compression	Uplift
D _{v=0} (ft from TOC)	7.05	-
Soil Safety Factor	3.99	-
Max Moment (kip-ft)	4184.50	-
Rating*	31.7%	-
Soil Vertical Check	Compression	Uplift
Skin Friction (kips)	841.16	-
End Bearing (kips)	686.08	-
Weight of Concrete (kips)	150.15	-
Total Capacity (kips)	1527.24	-
Axial (kips)	216.36	-
Rating*	13.5%	-
Reinforced Concrete Flexure	Compression	Uplift
Critical Depth (ft from TOC)	7.01	-
Critical Moment (kip-ft)	4184.48	-
Critical Moment Capacity	6041.84	-
Rating*	66.0%	-
Reinforced Concrete Shear	Compression	Uplift
Critical Depth (ft from TOC)	21.03	-
Critical Shear (kip)	381.04	-
Critical Shear Capacity	677.95	-
Rating*	53.5%	-

Soil Interaction Rating*	31.7%
Structural Foundation Rating*	66.0%

*Rating per TIA-222-H Section 15.5



Check Limitation	
Apply TIA-222-H Section 15.5:	☒
	N/A ☐
Shear Design Options	
Check Shear along Depth of Pier:	☒
Utilize Shear-Friction Methodology:	☐
Override Critical Depth:	☐

[Go to Soil Calculations](#)

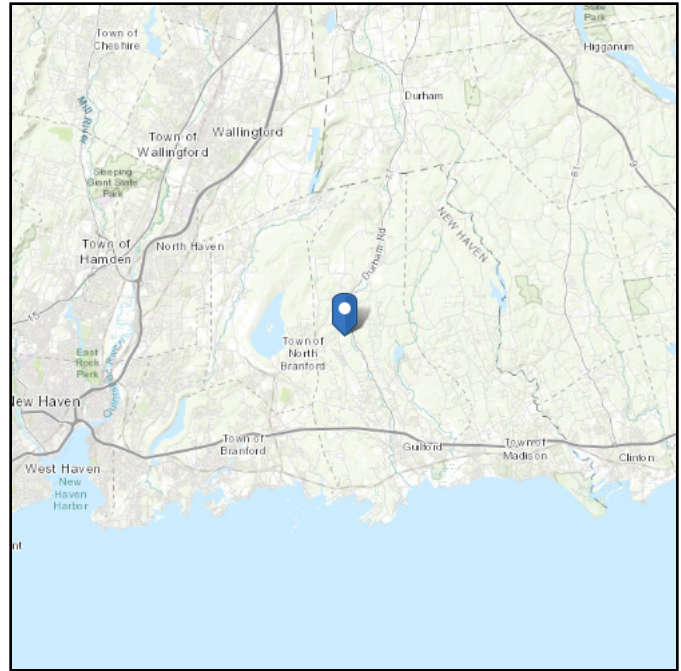
Soil Profile														
Groundwater Depth		9	# of Layers		3									
Layer	Top (ft)	Bottom (ft)	Thickness (ft)	γ _{soil} (pcf)	γ _{concrete} (pcf)	Cohesion (ksf)	Angle of Friction (degrees)	Calculated Ultimate Skin Friction Comp (ksf)	Calculated Ultimate Skin Friction Uplift (ksf)	Ultimate Skin Friction Comp Override (ksf)	Ultimate Skin Friction Uplift Override (ksf)	Ult. Net Bearing Capacity (ksf)	SPT Blow Count	Soil Type
1	0	3.5	3.5	130	150	0	0	0.000	0.000	0.00	0.00			Cohesionless
2	3.5	9	5.5	130	150	0	35	0.000	0.000	2.00	2.00			Cohesionless
3	9	29	20	67.6	87.6	0	35	0.000	0.000	2.00	2.00	20		Cohesionless

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 181.21 ft (NAVD 88)
Latitude: 41.346483
Longitude: -72.723097



Wind

Results:

Wind Speed:	127 Vmph
10-year MRI	78 Vmph
25-year MRI	88 Vmph
50-year MRI	95 Vmph
100-year MRI	104 Vmph

130 mph Ultimate Wind Speed Used per Guilford City Amendments

Data 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).

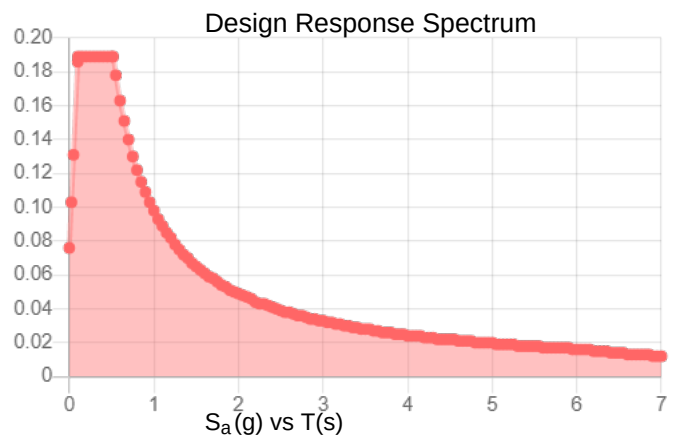
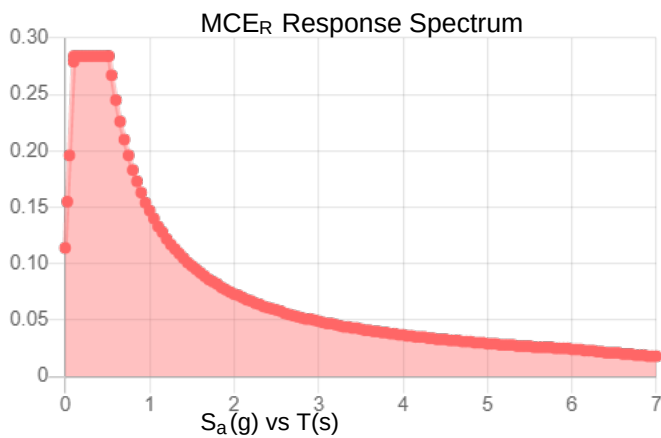
Site is in a hurricane-prone region as defined in ASCE/SEI 7-10 Section 26.2. Glazed openings need not be protected against wind-borne debris.

Site Soil Class: D - Stiff Soil

Results:

S_S :	0.178	S_{DS} :	0.189
S_1 :	0.061	S_{D1} :	0.098
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.091
S_{MS} :	0.284	PGA_M :	0.145
S_{M1} :	0.147	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Wed May 05 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.

Results:

Ice Thickness: 0.75 in.

Concurrent Temperature: 15 F

Gust Speed: 50 mph

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

Date Accessed: Wed May 05 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.

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Exhibit E

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 #: 10068125
Maser Consulting Connecticut Project #: 21777119A

June 15, 2021

Site Information

Site ID: 468021-VZW / GUILFORD 4 CT
Site Name: GUILFORD 4 CT
Carrier Name: Verizon Wireless
Address: 2365 Long Hill Rd
Guilford, Connecticut 06437
New Haven County
Latitude: 41.346483°
Longitude: -72.723093°

Structure Information

Tower Type: 180-Ft Monopole
Mount Type: 13.33-Ft Platform

FUZE ID # 16272121

Analysis Results

Platform: 35.8% Pass

***Contractor PMI Requirements:

Included at the end of this MA report

Available & Submitted via portal at <https://pmi.vzwsmart.com>

Contractor - Please Review Specific Site PMI Requirements Upon Award

Requirements also Noted on Mount Modification Drawings

Requirements may also be Noted on A & E drawings

Report Prepared By: Selene Chen



Digitally signed by Derek Hartzell
Date: 2021.06.15 13:44:23-07'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS Site ID: 1989547, dated February 25, 2021
Mount Mapping Report	Hudson Design Group, LLC., Site ID: 468021, dated March 23, 2021
Mount Analysis Report	Maser Consulting Connecticut, Project #: 21777119A, dated April 30, 2021
Mount Modification Drawings	Maser Consulting Connecticut, Project #: 21777119A, dated June 15, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 121 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 : 0.993
Seismic Parameters:	S_s : 0.206 S_1 : 0.054
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Live Load, L_v : 250 lbs. Maintenance Live Load, L_m : 500 lbs.
Analysis Software:	RISA-3D (V17)

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
143.20	145.20	6	Commscope	JAHH-65B-R3B	Added
		3	Samsung	MT6407-77A	
		3	Commscope	CBC78T-DS-43-2X	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RVZDC-6627-PF-48	
		3	Amphenol Antel	BXA-70063-6CF	Retained

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
<i>Face Horizontal</i>	14.9%	<i>Pass</i>
<i>Standoff Horizontal</i>	19.4%	<i>Pass</i>
<i>Corner Plate</i>	22.3%	<i>Pass</i>
<i>Platform Crossmember</i>	15.6%	<i>Pass</i>
<i>Grating Support</i>	13.8%	<i>Pass</i>
<i>Mount Pipe</i>	35.8%	<i>Pass</i>
<i>Support Rail</i>	19.2%	<i>Pass</i>
<i>Support Rail Corner</i>	32.9%	<i>Pass</i>
<i>Kicker</i>	9.6%	<i>Pass</i>
<i>Mount Connection</i>	17.2%	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	35.8%
---	--------------

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:

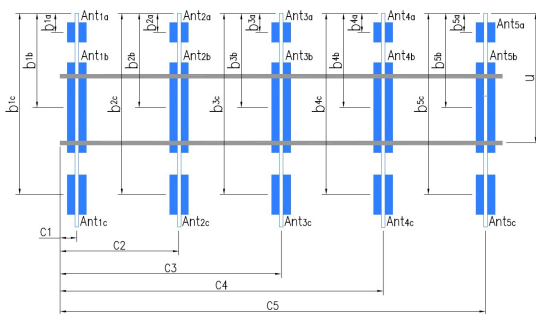
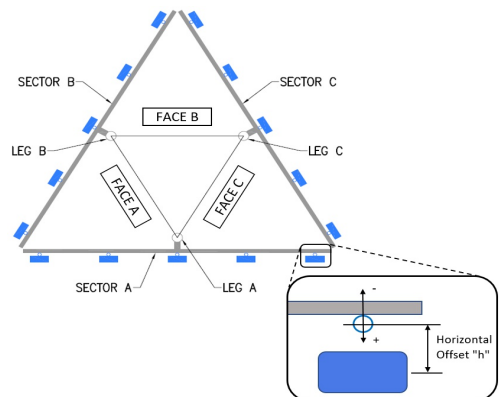
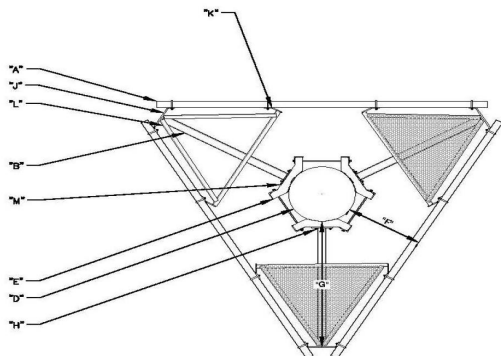
1. Mount Photos
2. Mount Mapping Report (for reference only)
3. Analysis Calculations
- 4. Contractor Required PMI Report Deliverables**
5. Antenna Placement Diagrams
6. TIA Adoption and Wind Speed Usage Letter



FCC

Tower Owner:	CROWN CASTLE	Mapping Date:	3/23/2021
Site Name:	GUILFORD 4 CT	Tower Type:	Monopole
Site Number or ID:	468021	Tower Height (Ft.):	180
Mapping Contractor:	HUDSON DESIGN GROUP. LLC.	Mount Elevation (Ft.):	144.16

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Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "y"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 96" LONG	59.00	5.00	C1	2" STD. PIPE X 96" LONG	59.00	5.00
A2	2" STD. PIPE X 96" LONG	59.00	53.00	C2	2" STD. PIPE X 96" LONG	59.00	53.00
A3	2" STD. PIPE X 96" LONG	59.00	105.00	C3	2" STD. PIPE X 96" LONG	59.00	105.00
A4	2" STD. PIPE X 96" LONG	59.00	135.00	C4	2" STD. PIPE X 96" LONG	59.00	135.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 96" LONG	59.00	5.00	D1			
B2	2" STD. PIPE X 96" LONG	59.00	53.00	D2			
B3	2" STD. PIPE X 96" LONG	59.00	105.00	D3			
B4	2" STD. PIPE X 96" LONG	59.00	135.00	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.) :							5.83
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :							
Please enter additional information or comments below.							
PIC 13 p/n X-SV196 stamped into steel							
Tower Face Width at Mount Elev. (ft.):			Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):				24

[illegible]

Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector		Sector B											
Sector A:	20.00	Deg	Leg A:		Deg	Ant _{1a}											
Sector B:	140.00	Deg	Leg B:		Deg	Ant _{1b}	BXA-171063-12CF	6.00	4.00	72.00		145.993	37.00	7.50	140.00	31,50	
Sector C:	260.00	Deg	Leg C:		Deg	Ant _{1c}											
Sector D:		Deg	Leg D:		Deg	Ant _{2a}	700MRRH	16.00	10.00	16.00		147.493	19.00	-7.00		32,47	
						Ant _{2b}	BXA-70063-6CF	11.00	6.00	71.00		146.243	34.00	9.50	140.00	32,51	
						Ant _{2c}											
Climbing Facility Information						Ant _{3a}	RHSDC-3315-PF-48	15.00	10.00	28.00		146.91	26.00	-9.00		33,48	
Location:	285.00	Deg	N/A			Ant _{3b}	BXA-171063-12CF	6.00	4.00	72.00		145.993	37.00	7.50	140.00	33,50	
Climbing Facility	Corrosion Type:		Good condition.			Ant _{3c}											
	Access:		Climbing path was unobstructed.			Ant _{4a}											
	Condition:		Good condition.			Ant _{4b}	BXA-70063-6CF	11.00	6.00	71.00		146.243	34.00	9.50	140.00	34,51	
						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}	BXA-171063-12CF	6.00	4.00	72.00		145.993	37.00	7.50	260.00	35,50	
						Ant _{1c}											
						Ant _{2a}	700MRRH	16.00	10.00	16.00		147.493	19.00	-7.00		36,47	
						Ant _{2b}	BXA-70063-6CF	11.00	6.00	71.00		146.243	34.00	9.50	260.00	36,51	
						Ant _{2c}											
						Ant _{3a}											
						Ant _{3b}	BXA-171063-12CF	6.00	4.00	72.00		145.993	37.00	7.50	260.00	37,50	
						Ant _{3c}											
						Ant _{4a}											
						Ant _{4b}	BXA-70063-6CF	11.00	6.00	71.00		146.243	34.00	9.50	260.00	38,51	
						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											

Diagram illustrating the tower structure and antenna placement for Sectors B, C, and D. The diagrams show the tower legs, platform, and antenna locations. Key labels include: TIP OF EQUIPMENT, DISTANCE FROM TOP OF MAIN PLATFORM MEMBER TO LOWEST TIP OF ANT./EQUIP. OF CARRIER ABOVE, (N/A IF > 10 FT.), EXISTING PLATFORM, EXISTING SECTOR FRAME MOUNT, DISTANCE FROM TOP OF BOTTOM SUPPORT RAIL TO HIGHEST TIP OF ANT./EQUIP. OF CARRIER BELOW, (N/A IF > 10 FT.), and TIP OF EQUIPMENT.

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

1		
2	(2) 1-1/4"Ø HYBRID	73,74,77
3		
4		
5		
6		
7		
8		

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



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

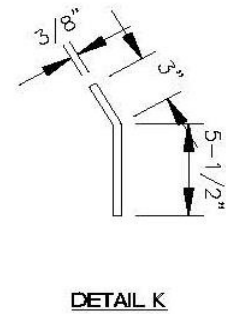
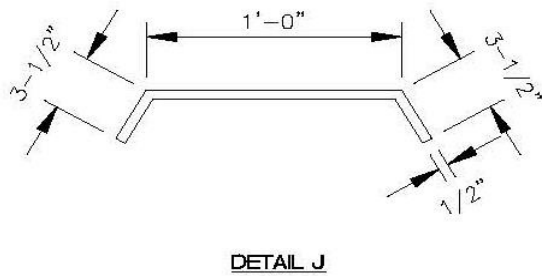
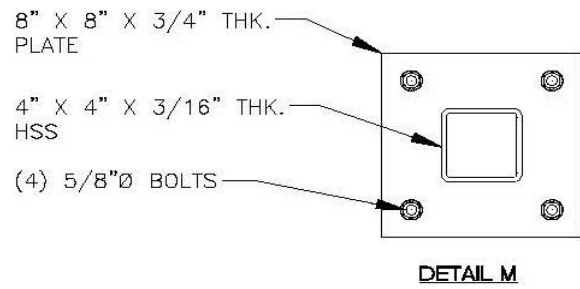
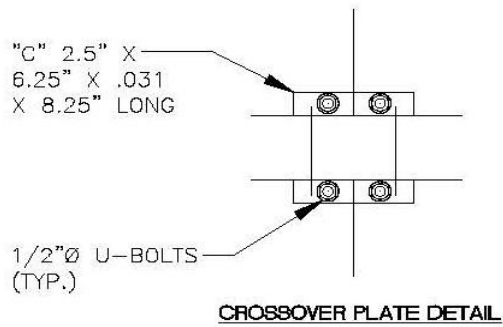
Tower Owner:	CROWN CASTLE	Mapping Date:	3/23/2021
Site Name:	GUILFORD 4 CT	Tower Type:	Monopole
Site Number or ID:	468021	Tower Height (Ft.):	180
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	144.16

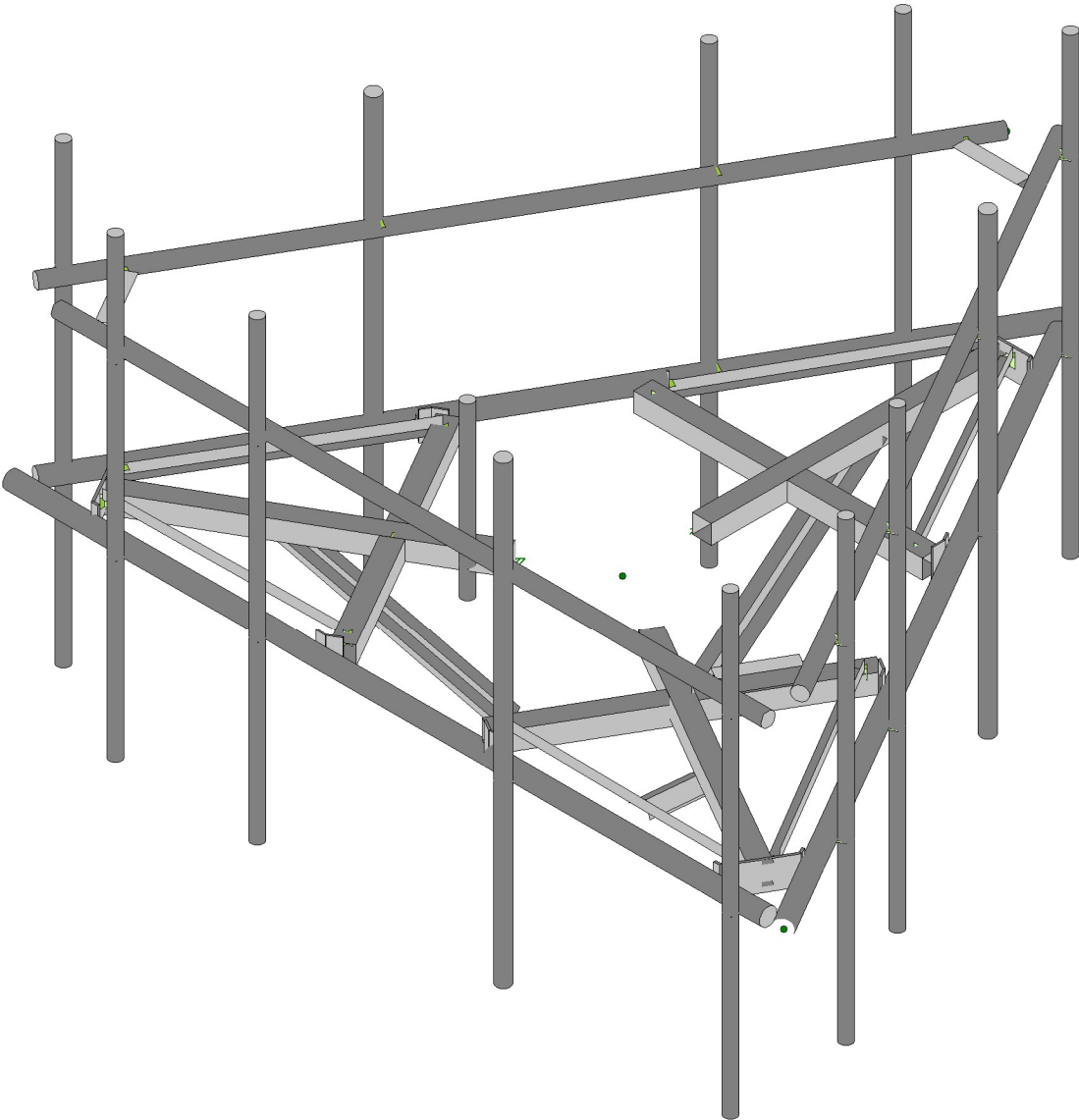
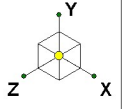
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Please Insert Sketches of the Antenna Mount

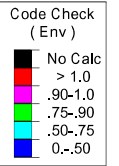
MOUNT MAPPING CHECKLIST

CARRIER:	VERIZON	SITE #:		SITE NAME:	Guilford 4 CT
DATE:	3/23/2021	MAPPED BY:	PROVERTIC JC	SITE OWNER:	CROWN CASTLE
DESCRIPTION	STATUS	Value	Legend		
A: <u>FACE PIPE CONFIG.</u>	☐				
SIZE		3-1/2"			
LENGTH		160"			
B: <u>STAND OFF SIZE</u>	☐	4x4x3/16			
C: <u>ANTENNA PIPE MAST</u>	☐	2-3/8"x 1/8"x 96"			
DIA.		2-3/8"2-7/8"3-1/2"4-1/2"			
LENGTH					
D: <u>MONOPOLE DIA.</u>	☐	24"			
E: <u>RINGMOUNT</u>	☐	9-1/2" x 5/8"			
F: <u>TOWER TO FACE</u>	☐	37"			
G: <u>TOWER TO APEX</u>	☐	67"			
H: <u>HARDWARE</u>	☐	5/8"Ø			
I: <u>U-BOLTS</u>	☐	1/2"Ø	PLAN		
J: <u>A PLATE</u>	☐	6"x 3-1/2"x 12"x 1/2"			
K: <u>B PLATE</u>	☐	6"x 3"x 5-1/2"x 3/8"			
L: <u>ANGLE</u>	☐	2"x2"x3/16"			
M: <u>MOUNTING PLATE</u>	☐	8"x 8"x 3/4"			
N: <u>ALPHA POS 1</u>	☐	BXA-171063-12CF			
ALPHA POS 2	☐	BXA-70063-6CF			
ALPHA POS 3	☐	BXA-171063-12CF			
ALPHA POS 4	☐	BXA-70063-6CF			
O: <u>BETA POS 1</u>	☐	Same			
BETA POS 2	☐				
BETA POS 3	☐		ELEVATION		
BETA POS 4	☐				
P: <u>GAMMA POS 1</u>	☐	Same			
GAMMA POS 2	☐				
GAMMA POS 3	☐				
GAMMA POS 4	☐				
Q: <u>TMA</u> QTY. 4	☐	0			
R: <u>RADIOS</u>	☐	(3) 700RRH			
S: <u>SURGE</u> QTY. 3	☐	(2) OVP			
T: <u>SECOND MOUNT</u>	☐				
COMMENTS:				FACE SKETCH	

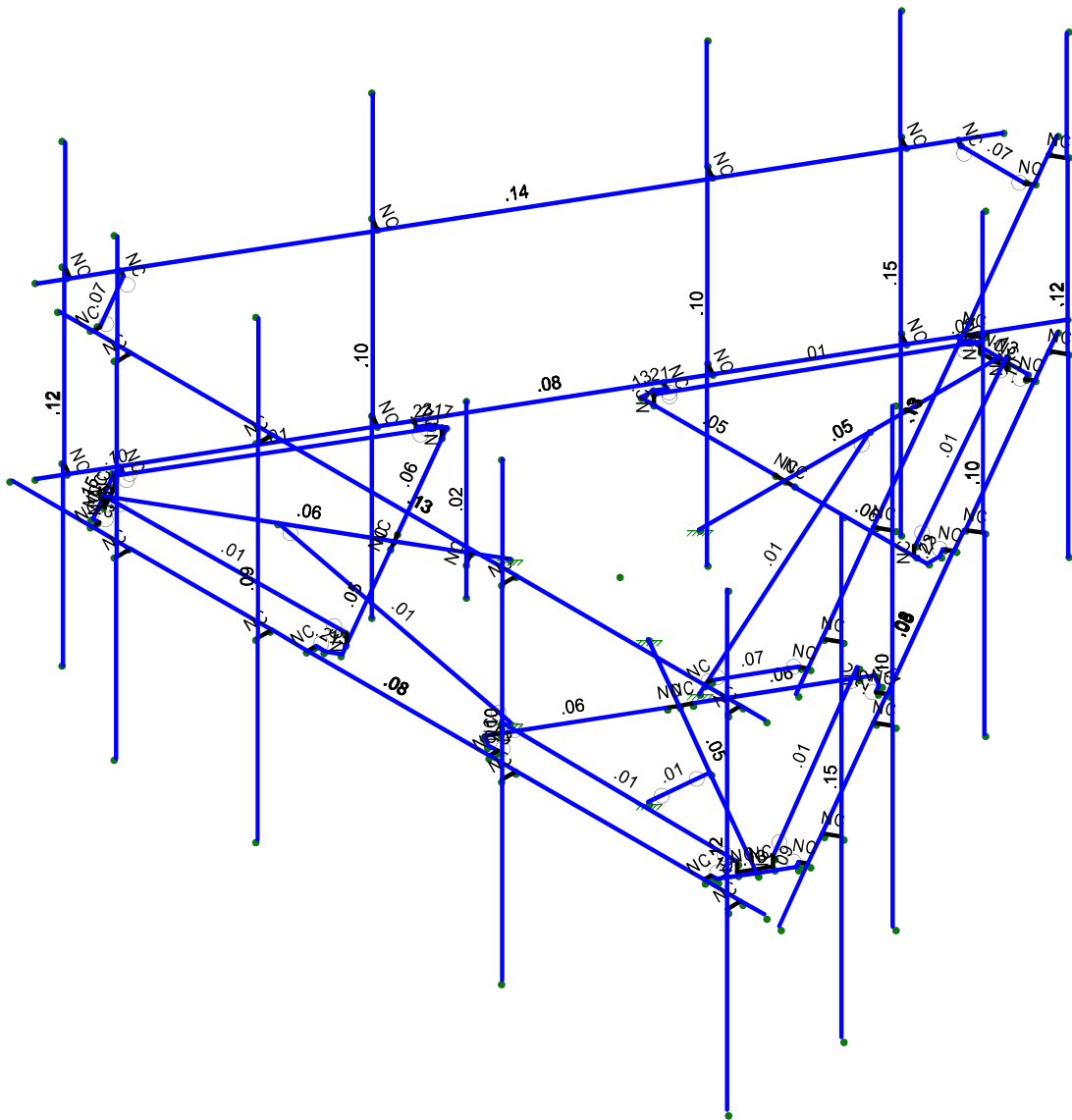
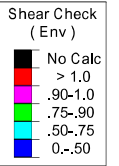
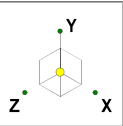




Envelope Only Solution



468021-VZW_MT_LO_H.r3d

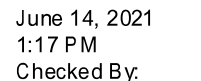


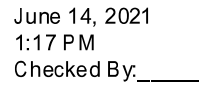
Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

SK - 3
June 14, 2021 at 1:16 PM
468021-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					102			
2	Antenna Di	None					102			
3	Antenna W o (0 Deg)	None					102			
4	Antenna W o (30 Deg)	None					102			
5	Antenna W o (60 Deg)	None					102			
6	Antenna W o (90 Deg)	None					102			
7	Antenna W o (120 Deg)	None					102			
8	Antenna W o (150 Deg)	None					102			
9	Antenna W o (180 Deg)	None					102			
10	Antenna W o (210 Deg)	None					102			
11	Antenna W o (240 Deg)	None					102			
12	Antenna W o (270 Deg)	None					102			
13	Antenna W o (300 Deg)	None					102			
14	Antenna W o (330 Deg)	None					102			
15	Antenna W i (0 Deg)	None					102			
16	Antenna W i (30 Deg)	None					102			
17	Antenna W i (60 Deg)	None					102			
18	Antenna W i (90 Deg)	None					102			
19	Antenna W i (120 Deg)	None					102			
20	Antenna W i (150 Deg)	None					102			
21	Antenna W i (180 Deg)	None					102			
22	Antenna W i (210 Deg)	None					102			
23	Antenna W i (240 Deg)	None					102			
24	Antenna W i (270 Deg)	None					102			
25	Antenna W i (300 Deg)	None					102			
26	Antenna W i (330 Deg)	None					102			
27	Antenna W m (0 Deg)	None					102			
28	Antenna W m (30 Deg)	None					102			
29	Antenna W m (60 Deg)	None					102			
30	Antenna W m (90 Deg)	None					102			
31	Antenna W m (120 De...	None					102			
32	Antenna W m (150 De...	None					102			
33	Antenna W m (180 De...	None					102			
34	Antenna W m (210 De...	None					102			
35	Antenna W m (240 De...	None					102			
36	Antenna W m (270 De...	None					102			
37	Antenna W m (300 De...	None					102			
38	Antenna W m (330 De...	None					102			
39	Structure D	None		-1					5	
40	Structure Di	None						61	3	
41	Structure Wo (0 Deg)	None						122		
42	Structure Wo (30 Deg)	None						122		
43	Structure Wo (60 Deg)	None						122		
44	Structure Wo (90 Deg)	None						122		
45	Structure Wo (120 D...	None						122		
46	Structure Wo (150 D...	None						122		
47	Structure Wo (180 D...	None						122		
48	Structure Wo (210 D...	None						122		
49	Structure Wo (240 D...	None						122		
50	Structure Wo (270 D...	None						122		
51	Structure Wo (300 D...	None						122		





	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..	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 + 1.5L																		

Joint Coordinates and Temperatures

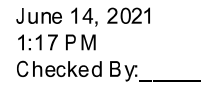
	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.5	0	3.91469	0	
2	N2	-6.833333	0	3.91469	0	
3	N3	0	0	-1.416667	0	
4	N5	-2.541667	0	-2.916667	0	
5	N6	2.315104	0.166667	-2.916667	0	
6	N7	-2.315104	0.166667	-2.916667	0	
7	N8	6.083333	0	3.91469	0	
8	N9	6.083333	0	4.16469	0	
9	N10	-4.75	0	3.91469	0	
10	N11	-4.75	0	4.16469	0	
11	N12	2.083333	0	3.91469	0	
12	N13	2.083333	0	4.16469	0	
13	N14	-2.25	0	3.91469	0	
14	N15	-2.25	0	4.16469	0	
15	N16	-2.25	-3.083333	4.16469	0	
16	N17	-2.25	4.916667	4.16469	0	
17	N18	-4.75	-3.083333	4.16469	0	
18	N19	-4.75	4.916667	4.16469	0	
19	N20	2.083333	-3.083333	4.16469	0	
20	N21	2.083333	4.916667	4.16469	0	
21	N22	6.083333	-3.083333	4.16469	0	
22	N23	6.083333	4.916667	4.16469	0	
23	N24	0	0	-2.916667	0	
24	N27	0	0	-6.6875	0	
25	CP	0	0	0	0	
26	N29	2.315104	0	-2.916667	0	
27	N30	-2.315104	0	-2.916667	0	
28	N101	2.541667	0	-2.916667	0	
29	N102	-0.166667	0	-2.916667	0	
30	N103A	0.166667	0	-2.916667	0	
31	N104A	-2.541667	0	-3.135417	0	
32	N105	2.541667	0	-3.135417	0	
33	N131	2.458333	0	-3.279754	0	
34	N135	0.571615	0	-6.590523	0	
35	N144	-2.458333	0	-3.279754	0	
36	N148	-0.571615	0	-6.590523	0	
37	N86A	2.584629	0	-3.352671	0	
38	N86B	-2.584629	0	-3.352671	0	
39	N86C	-0.515625	0	-6.6875	0	
40	N87A	0.515625	0	-6.6875	0	
41	N86D	0.679344	0	-6.652721	0	
42	N86E	-0.679344	0	-6.652721	0	
43	N88A	0	0	-6.604167	0	
44	N87C	0.234238	0.166667	-6.604167	0	
45	N86G	0.234238	0	-6.604167	0	
46	N87B	-0.234238	0.166667	-6.604167	0	
47	N88C	-0.234238	0	-6.604167	0	
48	N48	0.140221	0	-7.58651	0	
49	N49	6.806888	0	3.960495	0	
50	N51	-6.640221	0	3.67182	0	
51	N52	0.026446	0	-7.875185	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
52	N52A	-1.226869	0	0.708333	0	
53	N53	-1.255074	0	3.659481	0	
54	N54	-3.68346	0.166667	-0.546606	0	
55	N55	-1.368355	0.166667	3.463272	0	
56	N56	-2.525907	0	1.458333	0	
57	N57	-5.791545	0	3.34375	0	
58	N59	-3.68346	0	-0.546606	0	
59	N60	-1.368355	0	3.463272	0	
60	N61	-3.796741	0	-0.742815	0	
61	N62	-2.442574	0	1.602671	0	
62	N63	-2.609241	0	1.313996	0	
63	N64	-1.444517	0	3.768856	0	
64	N65	-3.986184	0	-0.63344	0	
65	N66	-4.069517	0	-0.489102	0	
66	N67	-5.993368	0	2.800229	0	
67	N68	-1.611184	0	3.768856	0	
68	N69	-5.421753	0	3.790294	0	
69	N70	-4.195813	0	-0.562019	0	
70	N71	-1.611184	0	3.91469	0	
71	N72	-5.533732	0	3.790294	0	
72	N73	-6.049357	0	2.897206	0	
73	N74	-6.101098	0	2.738031	0	
74	N75	-5.421753	0	3.91469	0	
75	N76	-5.719376	0	3.302083	0	
76	N77	-5.836495	0.166667	3.099228	0	
77	N78	-5.836495	0	3.099228	0	
78	N79	-5.602257	0.166667	3.504939	0	
79	N80	-5.602257	0	3.504939	0	
80	N81	1.226869	0	0.708333	0	
81	N82	3.796741	0	-0.742815	0	
82	N83	1.368355	0.166667	3.463272	0	
83	N84	3.68346	0.166667	-0.546606	0	
84	N85	2.525907	0	1.458333	0	
85	N86	5.791545	0	3.34375	0	
86	N88	1.368355	0	3.463272	0	
87	N89	3.68346	0	-0.546606	0	
88	N90	1.255074	0	3.659481	0	
89	N91	2.609241	0	1.313996	0	
90	N92	2.442574	0	1.602671	0	
91	N93	3.986184	0	-0.63344	0	
92	N94	1.444517	0	3.768856	0	
93	N95	1.611184	0	3.768856	0	
94	N96	5.421753	0	3.790294	0	
95	N97	4.069517	0	-0.489102	0	
96	N98	5.993368	0	2.800229	0	
97	N99	1.611184	0	3.91469	0	
98	N100	4.195813	0	-0.562019	0	
99	N101A	6.049357	0	2.897206	0	
100	N102A	5.533732	0	3.790294	0	
101	N103	5.421753	0	3.91469	0	
102	N104	6.101098	0	2.738031	0	
103	N105A	5.719376	0	3.302083	0	

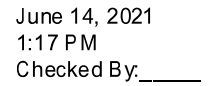
Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
104	N106	5.602257	0.166667	3.504939	0	
105	N107	5.602257	0	3.504939	0	
106	N108	5.836495	0.166667	3.099228	0	
107	N109	5.836495	0	3.099228	0	
108	N108A	0.348554	0	-7.225666	0	
109	N109A	0.565061	0	-7.350666	0	
110	N110	5.765221	0	2.156276	0	
111	N111	5.981727	0	2.031276	0	
112	N112	2.348554	0	-3.761565	0	
113	N113	2.565061	0	-3.886565	0	
114	N114	4.515221	0	-0.008788	0	
115	N115	4.731727	0	-0.133788	0	
116	N116	4.731727	-3.083333	-0.133788	0	
117	N117	4.731727	4.916667	-0.133788	0	
118	N118	5.981727	-3.083333	2.031276	0	
119	N119	5.981727	4.916667	2.031276	0	
120	N120	2.565061	-3.083333	-3.886565	0	
121	N121	2.565061	4.916667	-3.886565	0	
122	N122	0.565061	-3.083333	-7.350666	0	
123	N123	0.565061	4.916667	-7.350666	0	
124	N125	-6.431888	0	3.310976	0	
125	N126	-6.648394	0	3.185976	0	
126	N127	-1.015221	0	-6.070966	0	
127	N128	-1.231727	0	-6.195966	0	
128	N129	-4.431888	0	-0.153125	0	
129	N130	-4.648394	0	-0.278125	0	
130	N131A	-2.265221	0	-3.905902	0	
131	N132	-2.481727	0	-4.030902	0	
132	N133	-2.481727	-3.083333	-4.030902	0	
133	N134	-2.481727	4.916667	-4.030902	0	
134	N135A	-1.231727	-3.083333	-6.195966	0	
135	N136	-1.231727	4.916667	-6.195966	0	
136	N137	-4.648394	-3.083333	-0.278125	0	
137	N138	-4.648394	4.916667	-0.278125	0	
138	N139	-6.648394	-3.083333	3.185976	0	
139	N140	-6.648394	4.916667	3.185976	0	
140	N140A	-1.659882	0	0.958333	0	
141	N141	-1.534882	0	1.17484	0	
142	N142	-1.534882	-.5	1.17484	0	
143	N143	-1.534882	2.5	1.17484	0	
144	N144A	6.5	3	3.91469	0	
145	N145	-6.000333	3	3.91469	0	
146	N146	6.083333	3	3.91469	0	
147	N147	6.083333	3	4.16469	0	
148	N148A	-4.75	3	3.91469	0	
149	N149	-4.75	3	4.16469	0	
150	N150	2.083333	3	3.91469	0	
151	N151	2.083333	3	4.16469	0	
152	N152	-2.25	3	3.91469	0	
153	N153	-2.25	3	4.16469	0	
154	N155	0.140221	3	-7.58651	0	
155	N156	6.390388	3	3.239096	0	



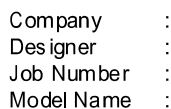
	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
156	N157	0.348554	3	-7.225666	0	
157	N158	0.565061	3	-7.350666	0	
158	N159	5.765221	3	2.156276	0	
159	N160	5.981727	3	2.031276	0	
160	N161	2.348554	3	-3.761565	0	
161	N162	2.565061	3	-3.886565	0	
162	N163	4.515221	3	-0.008788	0	
163	N164	4.731727	3	-0.133788	0	
164	N166	-6.640221	3	3.67182	0	
165	N167	-0.390054	3	-7.153786	0	
166	N168	-6.431888	3	3.310976	0	
167	N169	-6.648394	3	3.185976	0	
168	N170	-1.015221	3	-6.070966	0	
169	N171	-1.231727	3	-6.195966	0	
170	N172	-4.431888	3	-0.153125	0	
171	N173	-4.648394	3	-0.278125	0	
172	N174	-2.265221	3	-3.905902	0	
173	N175	-2.481727	3	-4.030902	0	
174	N174A	0.571615	3	-6.590523	0	
175	N175A	-0.571615	3	-6.590523	0	
176	N176	0.679344	3	-6.652721	0	
177	N177	-0.679344	3	-6.652721	0	
178	N179	-5.993368	3	2.800229	0	
179	N180	-5.421753	3	3.790294	0	
180	N181	-6.101098	3	2.738031	0	
181	N182	-5.421753	3	3.91469	0	
182	N184	5.421753	3	3.790294	0	
183	N185	5.993368	3	2.800229	0	
184	N186	5.421753	3	3.91469	0	
185	N187	6.101098	3	2.738031	0	
186	N186A	0	0	-4.416667	0	
187	N187A	0	-2.5	-1.416667	0	
188	N189	-3.824946	0	2.208333	0	
189	N190	-1.226869	-2.5	0.708333	0	
190	N192	3.824946	0	2.208333	0	
191	N193	1.226869	-2.5	0.708333	0	

	Label	Shape	Type	Design List	Material	Design Rul...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X3	Beam	SquareTube	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
3	Corner Plate	PL1/2X6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
4	Platform Cros smem...	HSS4X4X3	Beam	SquareTube	A500 Gr.B ...	Typical	2.58	6.21	6.21	10
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	P2.5 Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
9	Support Rail	PIPE 2.5	Beam	Wide Flange	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Conner Angle	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	Kicker	LL3x3x3x6	Beam	Double Angle (...)	A36 Gr.36	Typical	2.18	4.97	1.9	.027



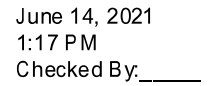
	Label	E [ksi]	G [ksi]	Nu	Therm (/1E...	Density[k/ft...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154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

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIG ID	None	None	RIG ID	Typical
5	M20	N10	N11			RIG ID	None	None	RIG ID	Typical
6	M21	N12	N13			RIG ID	None	None	RIG ID	Typical
7	M22	N14	N15			RIG ID	None	None	RIG ID	Typical
8	MP3A	N17	N16			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	MP2A	N21	N20			P2.5 Mount Pipe	Column	Pipe	A53 Gr.B	Typical
11	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
12	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
13	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M35A	N7	N30			RIG ID	None	None	RIG ID	Typical
15	M36A	N6	N29			RIG ID	None	None	RIG ID	Typical
16	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M52	N87B	N88C			RIG ID	None	None	RIG ID	Typical
19	M58	N102	N24			RIG ID	None	None	RIG ID	Typical
20	M59	N24	N103A			RIG ID	None	None	RIG ID	Typical
21	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
22	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M79	N131	N86A			RIG ID	None	None	RIG ID	Typical
24	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
25	M83	N135	N86D			RIG ID	None	None	RIG ID	Typical
26	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
27	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M88	N144	N86B			RIG ID	None	None	RIG ID	Typical
29	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
30	M92	N148	N86E			RIG ID	None	None	RIG ID	Typical
31	M50	N88C	N88A			RIG ID	None	None	RIG ID	Typical
32	M51	N88A	N86G			RIG ID	None	None	RIG ID	Typical
33	M51A	N87C	N86G			RIG ID	None	None	RIG ID	Typical
34	M34	N48	N49			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
35	M35	N51	N52			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
36	M36	N52A	N57			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
37	M37	N61	N63			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
38	M38	N62	N53			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical



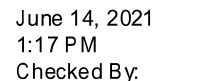
June 14, 2021
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Checked By:

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
39	M39	N72	N73			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40	N55	N60			RIGID	None	None	RIGID	Typical
41	M41	N54	N59			RIGID	None	None	RIGID	Typical
42	M42	N77	N54			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
43	M43A	N55	N79			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
44	M44	N79	N80			RIGID	None	None	RIGID	Typical
45	M45	N62	N56			RIGID	None	None	RIGID	Typical
46	M46A	N56	N63			RIGID	None	None	RIGID	Typical
47	M47	N61	N65			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
48	M48	N65	N66			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
49	M49	N66	N70			RIGID	None	None	RIGID	Typical
50	M50A	N73	N67			Corner Plate	Beam	BAR	A36 Gr.36	Typical
51	M51C	N67	N74			RIGID	None	None	RIGID	Typical
52	M52A	N53	N64			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
53	M53	N64	N68			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
54	M54	N68	N71			RIGID	None	None	RIGID	Typical
55	M55	N72	N69			Corner Plate	Beam	BAR	A36 Gr.36	Typical
56	M56	N69	N75			RIGID	None	None	RIGID	Typical
57	M57	N80	N76			RIGID	None	None	RIGID	Typical
58	M58A	N76	N78			RIGID	None	None	RIGID	Typical
59	M59A	N77	N78			RIGID	None	None	RIGID	Typical
60	M60	N81	N86			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
61	M61	N90	N92			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
62	M62	N91	N82			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
63	M63	N101A	N102A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M64	N84	N89			RIGID	None	None	RIGID	Typical
65	M65	N83	N88			RIGID	None	None	RIGID	Typical
66	M66	N106	N83			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
67	M67	N84	N108			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
68	M68	N108	N109			RIGID	None	None	RIGID	Typical
69	M69	N91	N85			RIGID	None	None	RIGID	Typical
70	M70	N85	N92			RIGID	None	None	RIGID	Typical
71	M71	N90	N94			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M72	N94	N95			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M73	N95	N99			RIGID	None	None	RIGID	Typical
74	M74	N102A	N96			Corner Plate	Beam	BAR	A36 Gr.36	Typical
75	M75	N96	N103			RIGID	None	None	RIGID	Typical
76	M76A	N82	N93			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
77	M77A	N93	N97			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
78	M78	N97	N100			RIGID	None	None	RIGID	Typical
79	M79A	N101A	N98			Corner Plate	Beam	BAR	A36 Gr.36	Typical
80	M80A	N98	N104			RIGID	None	None	RIGID	Typical
81	M81	N109	N105A			RIGID	None	None	RIGID	Typical
82	M82	N105A	N107			RIGID	None	None	RIGID	Typical
83	M83A	N106	N107			RIGID	None	None	RIGID	Typical
84	M84A	N108A	N109A			RIGID	None	None	RIGID	Typical
85	M85A	N110	N111			RIGID	None	None	RIGID	Typical
86	M86	N112	N113			RIGID	None	None	RIGID	Typical
87	M87	N114	N115			RIGID	None	None	RIGID	Typical
88	MP3C	N117	N116			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
89	MP4C	N119	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP2C	N121	N120			P2.5 Mount Pipe	Column	Pipe	A53 Gr.B	Typical

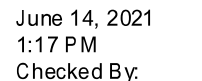


	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
91	MP 1C	N 123	N 122			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M92A	N 125	N 126			R I G I D	None	None	R I G I D	Typical
93	M93	N 127	N 128			R I G I D	None	None	R I G I D	Typical
94	M94	N 129	N 130			R I G I D	None	None	R I G I D	Typical
95	M95	N 131A	N 132			R I G I D	None	None	R I G I D	Typical
96	MP 3B	N 134	N 133			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP 4B	N 136	N 135A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP 2B	N 138	N 137			P 2.5 Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP 1B	N 140	N 139			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M 100	N 140A	N 141			R I G I D	None	None	R I G I D	Typical
101	M 101	N 143	N 142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M 102	N 144A	N 145			Support Rail	Beam	Wide Flange	A53 Gr.B	Typical
103	M 103	N 146	N 147			R I G I D	None	None	R I G I D	Typical
104	M 104	N 148A	N 149			R I G I D	None	None	R I G I D	Typical
105	M 105	N 150	N 151			R I G I D	None	None	R I G I D	Typical
106	M 106	N 152	N 153			R I G I D	None	None	R I G I D	Typical
107	M 107	N 155	N 156			Support Rail	Beam	Wide Flange	A53 Gr.B	Typical
108	M 108	N 157	N 158			R I G I D	None	None	R I G I D	Typical
109	M 109	N 159	N 160			R I G I D	None	None	R I G I D	Typical
110	M 110	N 161	N 162			R I G I D	None	None	R I G I D	Typical
111	M 111	N 163	N 164			R I G I D	None	None	R I G I D	Typical
112	M 112	N 166	N 167			Support Rail	Beam	Wide Flange	A53 Gr.B	Typical
113	M 113	N 168	N 169			R I G I D	None	None	R I G I D	Typical
114	M 114	N 170	N 171			R I G I D	None	None	R I G I D	Typical
115	M 115	N 172	N 173			R I G I D	None	None	R I G I D	Typical
116	M 116	N 174	N 175			R I G I D	None	None	R I G I D	Typical
117	M 117	N 174A	N 176			R I G I D	None	None	R I G I D	Typical
118	M 118	N 175A	N 177			R I G I D	None	None	R I G I D	Typical
119	M 119	N 175A	N 174A		90	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical
120	M 120	N 179	N 181			R I G I D	None	None	R I G I D	Typical
121	M 121	N 180	N 182			R I G I D	None	None	R I G I D	Typical
122	M 122	N 180	N 179		90	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical
123	M 123	N 184	N 186			R I G I D	None	None	R I G I D	Typical
124	M 124	N 185	N 187			R I G I D	None	None	R I G I D	Typical
125	M 125	N 185	N 184		90	Conner Angle	Beam	Single Angle	A36 Gr.36	Typical
126	M 126	N 187A	N 186A			Kicker	Beam	Double Angle (...)	A36 Gr.36	Typical
127	M 127	N 190	N 189			Kicker	Beam	Double Angle (...)	A36 Gr.36	Typical
128	M 128	N 193	N 192			Kicker	Beam	Double Angle (...)	A36 Gr.36	Typical

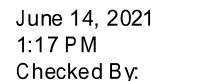
	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M21						Yes	** NA **			None
7	M22						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None



	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic ...
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M43						Yes	Default			None
13	M46						Yes	Default			None
14	M35A						Yes	** NA **			None
15	M36A						Yes	** NA **			None
16	M51B	OOOOOX	OOOOOX				Yes	Default			None
17	M52B	OOOOOX	OOOOOX				Yes	Default			None
18	M52						Yes	** NA **			None
19	M58						Yes	** NA **			None
20	M59						Yes	** NA **			None
21	M76						Yes	** NA **			None
22	M77						Yes	** NA **			None
23	M79		BenPIN				Yes	** NA **			None
24	M80						Yes				None
25	M83		BenPIN				Yes	** NA **			None
26	M84						Yes	** NA **			None
27	M85						Yes	** NA **			None
28	M88		BenPIN				Yes	** NA **			None
29	M91						Yes				None
30	M92		BenPIN				Yes	** NA **			None
31	M50						Yes	** NA **			None
32	M51						Yes	** NA **			None
33	M51A						Yes	** NA **			None
34	M34						Yes	Default			None
35	M35						Yes	Default			None
36	M36						Yes				None
37	M37						Yes	Default			None
38	M38						Yes	Default			None
39	M39						Yes	Default			None
40	M40						Yes	** NA **			None
41	M41						Yes	** NA **			None
42	M42	OOOOOX	OOOOOX				Yes	Default			None
43	M43A	OOOOOX	OOOOOX				Yes	Default			None
44	M44						Yes	** NA **			None
45	M45						Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47						Yes	** NA **			None
48	M48						Yes	** NA **			None
49	M49		BenPIN				Yes	** NA **			None
50	M50A						Yes				None
51	M51C		BenPIN				Yes	** NA **			None
52	M52A						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54		BenPIN				Yes	** NA **			None
55	M55						Yes				None
56	M56		BenPIN				Yes	** NA **			None
57	M57						Yes	** NA **			None
58	M58A						Yes	** NA **			None
59	M59A						Yes	** NA **			None
60	M60						Yes				None
61	M61						Yes	Default			None

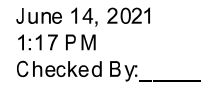


	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic ...
62	M62						Yes	Default			None
63	M63						Yes	Default			None
64	M64						Yes	** NA **			None
65	M65						Yes	** NA **			None
66	M66	00000X	00000X				Yes	Default			None
67	M67	00000X	00000X				Yes	Default			None
68	M68						Yes	** NA **			None
69	M69						Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73		BenPIN				Yes	** NA **			None
74	M74						Yes				None
75	M75		BenPIN				Yes	** NA **			None
76	M76A						Yes	** NA **			None
77	M77A						Yes	** NA **			None
78	M78		BenPIN				Yes	** NA **			None
79	M79A						Yes				None
80	M80A		BenPIN				Yes	** NA **			None
81	M81						Yes	** NA **			None
82	M82						Yes	** NA **			None
83	M83A						Yes	** NA **			None
84	M84A						Yes	** NA **			None
85	M85A						Yes	** NA **			None
86	M86						Yes	** NA **			None
87	M87						Yes	** NA **			None
88	MP3C						Yes	** NA **			None
89	MP4C						Yes	** NA **			None
90	MP2C						Yes	** NA **			None
91	MP1C						Yes	** NA **			None
92	M92A						Yes	** NA **			None
93	M93						Yes	** NA **			None
94	M94						Yes	** NA **			None
95	M95						Yes	** NA **			None
96	MP3B						Yes	** NA **			None
97	MP4B						Yes	** NA **			None
98	MP2B						Yes	** NA **			None
99	MP1B						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	M102						Yes	Default			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	Default			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	Default			None
113	M113						Yes	** NA **			None



	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic ...
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117		000000				Yes	** NA **			None
118	M118		000000				Yes	** NA **			None
119	M119						Yes	Default			None
120	M120		000000				Yes	** NA **			None
121	M121		000000				Yes	** NA **			None
122	M122						Yes	Default			None
123	M123		000000				Yes	** NA **			None
124	M124		000000				Yes	** NA **			None
125	M125						Yes	Default			None
126	M126	00000X	00000X				Yes	Default			None
127	M127	00000X	00000X				Yes	Default			None
128	M128	00000X	00000X				Yes	Default			None

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-31.65	.5
2	MP2A	My	-.016	.5
3	MP2A	Mz	.018	.5
4	MP2A	Y	-31.65	5.5
5	MP2A	My	-.016	5.5
6	MP2A	Mz	.018	5.5
7	MP2B	Y	-31.65	.5
8	MP2B	My	-.008	.5
9	MP2B	Mz	-.023	.5
10	MP2B	Y	-31.65	5.5
11	MP2B	My	-.008	5.5
12	MP2B	Mz	-.023	5.5
13	MP2C	Y	-31.65	.5
14	MP2C	My	.023	.5
15	MP2C	Mz	.009	.5
16	MP2C	Y	-31.65	5.5
17	MP2C	My	.023	5.5
18	MP2C	Mz	.009	5.5
19	MP2A	Y	-31.65	.5
20	MP2A	My	-.016	.5
21	MP2A	Mz	-.018	.5
22	MP2A	Y	-31.65	5.5
23	MP2A	My	-.016	5.5
24	MP2A	Mz	-.018	5.5
25	MP2B	Y	-31.65	.5
26	MP2B	My	.024	.5
27	MP2B	Mz	-.004	.5
28	MP2B	Y	-31.65	5.5
29	MP2B	My	.024	5.5
30	MP2B	Mz	-.004	5.5
31	MP2C	Y	-31.65	.5
32	MP2C	My	-.012	.5



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
33	MP2C	Mz	.021	.5
34	MP2C	Y	-31.65	5.5
35	MP2C	My	-.012	5.5
36	MP2C	Mz	.021	5.5
37	MP4A	Y	-43.55	2
38	MP4A	My	-.022	2
39	MP4A	Mz	0	2
40	MP4A	Y	-43.55	4
41	MP4A	My	-.022	4
42	MP4A	Mz	0	4
43	MP4B	Y	-43.55	2
44	MP4B	My	.011	2
45	MP4B	Mz	-.019	2
46	MP4B	Y	-43.55	4
47	MP4B	My	.011	4
48	MP4B	Mz	-.019	4
49	MP4C	Y	-43.55	2
50	MP4C	My	.007	2
51	MP4C	Mz	.02	2
52	MP4C	Y	-43.55	4
53	MP4C	My	.007	4
54	MP4C	Mz	.02	4
55	MP2A	Y	-10.4	4
56	MP2A	My	.005	4
57	MP2A	Mz	0	4
58	MP2B	Y	-10.4	4
59	MP2B	My	-.003	4
60	MP2B	Mz	.005	4
61	MP2C	Y	-10.4	4
62	MP2C	My	-.002	4
63	MP2C	Mz	-.005	4
64	MP2A	Y	-84.4	1.5
65	MP2A	My	.042	1.5
66	MP2A	Mz	0	1.5
67	MP2B	Y	-84.4	1.5
68	MP2B	My	-.021	1.5
69	MP2B	Mz	.037	1.5
70	MP2C	Y	-84.4	1.5
71	MP2C	My	-.014	1.5
72	MP2C	Mz	-.04	1.5
73	MP3A	Y	-70.3	3
74	MP3A	My	.035	3
75	MP3A	Mz	0	3
76	MP3B	Y	-70.3	3
77	MP3B	My	-.018	3
78	MP3B	Mz	.03	3
79	MP3C	Y	-70.3	3
80	MP3C	My	-.012	3
81	MP3C	Mz	-.033	3
82	M101	Y	-32	1
83	M101	My	0	1
84	M101	Mz	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP1A	Y	-8.5	1.5
86	MP1A	My	-.004	1.5
87	MP1A	Mz	0	1.5
88	MP1A	Y	-8.5	4.5
89	MP1A	My	-.004	4.5
90	MP1A	Mz	0	4.5
91	MP1B	Y	-8.5	1.5
92	MP1B	My	.002	1.5
93	MP1B	Mz	-.004	1.5
94	MP1B	Y	-8.5	4.5
95	MP1B	My	.002	4.5
96	MP1B	Mz	-.004	4.5
97	MP1C	Y	-8.5	1.5
98	MP1C	My	.001	1.5
99	MP1C	Mz	.004	1.5
100	MP1C	Y	-8.5	4.5
101	MP1C	My	.001	4.5
102	MP1C	Mz	.004	4.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-70.219	.5
2	MP2A	My	-.035	.5
3	MP2A	Mz	.041	.5
4	MP2A	Y	-70.219	5.5
5	MP2A	My	-.035	5.5
6	MP2A	Mz	.041	5.5
7	MP2B	Y	-70.219	.5
8	MP2B	My	-.018	.5
9	MP2B	Mz	-.051	.5
10	MP2B	Y	-70.219	5.5
11	MP2B	My	-.018	5.5
12	MP2B	Mz	-.051	5.5
13	MP2C	Y	-70.219	.5
14	MP2C	My	.05	.5
15	MP2C	Mz	.019	.5
16	MP2C	Y	-70.219	5.5
17	MP2C	My	.05	5.5
18	MP2C	Mz	.019	5.5
19	MP2A	Y	-70.219	.5
20	MP2A	My	-.035	.5
21	MP2A	Mz	-.041	.5
22	MP2A	Y	-70.219	5.5
23	MP2A	My	-.035	5.5
24	MP2A	Mz	-.041	5.5
25	MP2B	Y	-70.219	.5
26	MP2B	My	.053	.5
27	MP2B	Mz	-.01	.5
28	MP2B	Y	-70.219	5.5
29	MP2B	My	.053	5.5
30	MP2B	Mz	-.01	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
31	MP2C	Y	-70.219	.5
32	MP2C	My	-.026	.5
33	MP2C	Mz	.047	.5
34	MP2C	Y	-70.219	5.5
35	MP2C	My	-.026	5.5
36	MP2C	Mz	.047	5.5
37	MP4A	Y	-35.754	2
38	MP4A	My	-.018	2
39	MP4A	Mz	0	2
40	MP4A	Y	-35.754	4
41	MP4A	My	-.018	4
42	MP4A	Mz	0	4
43	MP4B	Y	-35.754	2
44	MP4B	My	.009	2
45	MP4B	Mz	-.015	2
46	MP4B	Y	-35.754	4
47	MP4B	My	.009	4
48	MP4B	Mz	-.015	4
49	MP4C	Y	-35.754	2
50	MP4C	My	.006	2
51	MP4C	Mz	.017	2
52	MP4C	Y	-35.754	4
53	MP4C	My	.006	4
54	MP4C	Mz	.017	4
55	MP2A	Y	-10.789	4
56	MP2A	My	.005	4
57	MP2A	Mz	0	4
58	MP2B	Y	-10.789	4
59	MP2B	My	-.003	4
60	MP2B	Mz	.005	4
61	MP2C	Y	-10.789	4
62	MP2C	My	-.002	4
63	MP2C	Mz	-.005	4
64	MP2A	Y	-45.08	1.5
65	MP2A	My	.023	1.5
66	MP2A	Mz	0	1.5
67	MP2B	Y	-45.08	1.5
68	MP2B	My	-.011	1.5
69	MP2B	Mz	.02	1.5
70	MP2C	Y	-45.08	1.5
71	MP2C	My	-.008	1.5
72	MP2C	Mz	-.021	1.5
73	MP3A	Y	-40.542	3
74	MP3A	My	.02	3
75	MP3A	Mz	0	3
76	MP3B	Y	-40.542	3
77	MP3B	My	-.01	3
78	MP3B	Mz	.018	3
79	MP3C	Y	-40.542	3
80	MP3C	My	-.007	3
81	MP3C	Mz	-.019	3
82	M101	Y	-76.247	1

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft, %]
83	M101	My	0	1
84	M101	Mz	0	1
85	MP 1A	Y	-51.959	1.5
86	MP 1A	My	-.026	1.5
87	MP 1A	Mz	0	1.5
88	MP 1A	Y	-51.959	4.5
89	MP 1A	My	-.026	4.5
90	MP 1A	Mz	0	4.5
91	MP 1B	Y	-51.959	1.5
92	MP 1B	My	.013	1.5
93	MP 1B	Mz	-.022	1.5
94	MP 1B	Y	-51.959	4.5
95	MP 1B	My	.013	4.5
96	MP 1B	Mz	-.022	4.5
97	MP 1C	Y	-51.959	1.5
98	MP 1C	My	.009	1.5
99	MP 1C	Mz	.024	1.5
100	MP 1C	Y	-51.959	4.5
101	MP 1C	My	.009	4.5
102	MP 1C	Mz	.024	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	0	.5
2	MP2A	Z	-158.793	.5
3	MP2A	Mx	-.093	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-158.793	5.5
6	MP2A	Mx	-.093	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-117.918	.5
9	MP2B	Mx	.085	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-117.918	5.5
12	MP2B	Mx	.085	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-110.668	.5
15	MP2C	Mx	-.03	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-110.668	5.5
18	MP2C	Mx	-.03	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-158.793	.5
21	MP2A	Mx	.093	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-158.793	5.5
24	MP2A	Mx	.093	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-117.918	.5
27	MP2B	Mx	.017	.5
28	MP2B	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
29	MP2B	Z	-117.918	5.5
30	MP2B	Mx	.017	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-110.668	.5
33	MP2C	Mx	-.074	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-110.668	5.5
36	MP2C	Mx	-.074	5.5
37	MP4A	X	0	2
38	MP4A	Z	-81.924	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-81.924	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-44.536	2
45	MP4B	Mx	.019	2
46	MP4B	X	0	4
47	MP4B	Z	-44.536	4
48	MP4B	Mx	.019	4
49	MP4C	X	0	2
50	MP4C	Z	-37.904	2
51	MP4C	Mx	-.018	2
52	MP4C	X	0	4
53	MP4C	Z	-37.904	4
54	MP4C	Mx	-.018	4
55	MP2A	X	0	4
56	MP2A	Z	-12.899	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	-9.918	4
60	MP2B	Mx	-.004	4
61	MP2C	X	0	4
62	MP2C	Z	-9.389	4
63	MP2C	Mx	.004	4
64	MP2A	X	0	1.5
65	MP2A	Z	-65.19	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-48.98	1.5
69	MP2B	Mx	-.021	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-46.105	1.5
72	MP2C	Mx	.022	1.5
73	MP3A	X	0	3
74	MP3A	Z	-65.19	3
75	MP3A	Mx	0	3
76	MP3B	X	0	3
77	MP3B	Z	-42.77	3
78	MP3B	Mx	-.019	3
79	MP3C	X	0	3
80	MP3C	Z	-38.794	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
81	MP3C	Mx	.018	3
82	M101	X	0	1
83	M101	Z	-126.899	1
84	M101	Mx	0	1
85	MP1A	X	0	1.5
86	MP1A	Z	-131.95	1.5
87	MP1A	Mx	0	1.5
88	MP1A	X	0	4.5
89	MP1A	Z	-131.95	4.5
90	MP1A	Mx	0	4.5
91	MP1B	X	0	1.5
92	MP1B	Z	-87.346	1.5
93	MP1B	Mx	.038	1.5
94	MP1B	X	0	4.5
95	MP1B	Z	-87.346	4.5
96	MP1B	Mx	.038	4.5
97	MP1C	X	0	1.5
98	MP1C	Z	-79.435	1.5
99	MP1C	Mx	-.037	1.5
100	MP1C	X	0	4.5
101	MP1C	Z	-79.435	4.5
102	MP1C	Mx	-.037	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	72.584	.5
2	MP2A	Z	-125.719	.5
3	MP2A	Mx	-.11	.5
4	MP2A	X	72.584	5.5
5	MP2A	Z	-125.719	5.5
6	MP2A	Mx	-.11	5.5
7	MP2B	X	52.146	.5
8	MP2B	Z	-90.32	.5
9	MP2B	Mx	.052	.5
10	MP2B	X	52.146	5.5
11	MP2B	Z	-90.32	5.5
12	MP2B	Mx	.052	5.5
13	MP2C	X	68.137	.5
14	MP2C	Z	-118.017	.5
15	MP2C	Mx	.017	.5
16	MP2C	X	68.137	5.5
17	MP2C	Z	-118.017	5.5
18	MP2C	Mx	.017	5.5
19	MP2A	X	72.584	.5
20	MP2A	Z	-125.719	.5
21	MP2A	Mx	.037	.5
22	MP2A	X	72.584	5.5
23	MP2A	Z	-125.719	5.5
24	MP2A	Mx	.037	5.5
25	MP2B	X	52.146	.5
26	MP2B	Z	-90.32	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP2B	Mx	.052	.5
28	MP2B	X	52.146	5.5
29	MP2B	Z	-90.32	5.5
30	MP2B	Mx	.052	5.5
31	MP2C	X	68.137	.5
32	MP2C	Z	-118.017	.5
33	MP2C	Mx	-.105	.5
34	MP2C	X	68.137	5.5
35	MP2C	Z	-118.017	5.5
36	MP2C	Mx	-.105	5.5
37	MP4A	X	34.731	2
38	MP4A	Z	-60.155	2
39	MP4A	Mx	-.017	2
40	MP4A	X	34.731	4
41	MP4A	Z	-60.155	4
42	MP4A	Mx	-.017	4
43	MP4B	X	16.037	2
44	MP4B	Z	-27.776	2
45	MP4B	Mx	.016	2
46	MP4B	X	16.037	4
47	MP4B	Z	-27.776	4
48	MP4B	Mx	.016	4
49	MP4C	X	30.663	2
50	MP4C	Z	-53.11	2
51	MP4C	Mx	-.02	2
52	MP4C	X	30.663	4
53	MP4C	Z	-53.11	4
54	MP4C	Mx	-.02	4
55	MP2A	X	5.953	4
56	MP2A	Z	-10.31	4
57	MP2A	Mx	.003	4
58	MP2B	X	4.462	4
59	MP2B	Z	-7.729	4
60	MP2B	Mx	-.004	4
61	MP2C	X	5.628	4
62	MP2C	Z	-9.749	4
63	MP2C	Mx	.004	4
64	MP2A	X	29.893	1.5
65	MP2A	Z	-51.777	1.5
66	MP2A	Mx	.015	1.5
67	MP2B	X	21.788	1.5
68	MP2B	Z	-37.738	1.5
69	MP2B	Mx	-.022	1.5
70	MP2C	X	28.13	1.5
71	MP2C	Z	-48.723	1.5
72	MP2C	Mx	.018	1.5
73	MP3A	X	28.859	3
74	MP3A	Z	-49.984	3
75	MP3A	Mx	.014	3
76	MP3B	X	17.648	3
77	MP3B	Z	-30.568	3
78	MP3B	Mx	-.018	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
79	MP3C	X	26.42	3
80	MP3C	Z	-45.76	3
81	MP3C	Mx	.017	3
82	M101	X	52.956	1
83	M101	Z	-91.722	1
84	M101	Mx	0	1
85	MP1A	X	58.541	1.5
86	MP1A	Z	-101.396	1.5
87	MP1A	Mx	-.029	1.5
88	MP1A	X	58.541	4.5
89	MP1A	Z	-101.396	4.5
90	MP1A	Mx	-.029	4.5
91	MP1B	X	36.239	1.5
92	MP1B	Z	-62.768	1.5
93	MP1B	Mx	.036	1.5
94	MP1B	X	36.239	4.5
95	MP1B	Z	-62.768	4.5
96	MP1B	Mx	.036	4.5
97	MP1C	X	53.689	1.5
98	MP1C	Z	-92.992	1.5
99	MP1C	Mx	-.035	1.5
100	MP1C	X	53.689	4.5
101	MP1C	Z	-92.992	4.5
102	MP1C	Mx	-.035	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	102.12	.5
2	MP2A	Z	-58.959	.5
3	MP2A	Mx	-.085	.5
4	MP2A	X	102.12	5.5
5	MP2A	Z	-58.959	5.5
6	MP2A	Mx	-.085	5.5
7	MP2B	X	102.12	.5
8	MP2B	Z	-58.959	.5
9	MP2B	Mx	.017	.5
10	MP2B	X	102.12	5.5
11	MP2B	Z	-58.959	5.5
12	MP2B	Mx	.017	5.5
13	MP2C	X	136.095	.5
14	MP2C	Z	-78.575	.5
15	MP2C	Mx	.077	.5
16	MP2C	X	136.095	5.5
17	MP2C	Z	-78.575	5.5
18	MP2C	Mx	.077	5.5
19	MP2A	X	102.12	.5
20	MP2A	Z	-58.959	.5
21	MP2A	Mx	-.017	.5
22	MP2A	X	102.12	5.5
23	MP2A	Z	-58.959	5.5
24	MP2A	Mx	-.017	5.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
25	MP2B	X	102.12	.5
26	MP2B	Z	-58.959	.5
27	MP2B	Mx	.085	.5
28	MP2B	X	102.12	5.5
29	MP2B	Z	-58.959	5.5
30	MP2B	Mx	.085	5.5
31	MP2C	X	136.095	.5
32	MP2C	Z	-78.575	.5
33	MP2C	Mx	-.104	.5
34	MP2C	X	136.095	5.5
35	MP2C	Z	-78.575	5.5
36	MP2C	Mx	-.104	5.5
37	MP4A	X	38.569	2
38	MP4A	Z	-22.268	2
39	MP4A	Mx	-.019	2
40	MP4A	X	38.569	4
41	MP4A	Z	-22.268	4
42	MP4A	Mx	-.019	4
43	MP4B	X	38.569	2
44	MP4B	Z	-22.268	2
45	MP4B	Mx	.019	2
46	MP4B	X	38.569	4
47	MP4B	Z	-22.268	4
48	MP4B	Mx	.019	4
49	MP4C	X	69.646	2
50	MP4C	Z	-40.21	2
51	MP4C	Mx	-.007	2
52	MP4C	X	69.646	4
53	MP4C	Z	-40.21	4
54	MP4C	Mx	-.007	4
55	MP2A	X	8.589	4
56	MP2A	Z	-4.959	4
57	MP2A	Mx	.004	4
58	MP2B	X	8.589	4
59	MP2B	Z	-4.959	4
60	MP2B	Mx	-.004	4
61	MP2C	X	11.067	4
62	MP2C	Z	-6.389	4
63	MP2C	Mx	.001	4
64	MP2A	X	42.418	1.5
65	MP2A	Z	-24.49	1.5
66	MP2A	Mx	.021	1.5
67	MP2B	X	42.418	1.5
68	MP2B	Z	-24.49	1.5
69	MP2B	Mx	-.021	1.5
70	MP2C	X	55.892	1.5
71	MP2C	Z	-32.269	1.5
72	MP2C	Mx	.006	1.5
73	MP3A	X	37.04	3
74	MP3A	Z	-21.385	3
75	MP3A	Mx	.019	3
76	MP3B	X	37.04	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP3B	Z	-21.385	3
78	MP3B	Mx	-.019	3
79	MP3C	X	55.676	3
80	MP3C	Z	-32.144	3
81	MP3C	Mx	.006	3
82	M101	X	76.905	1
83	M101	Z	-44.401	1
84	M101	Mx	0	1
85	MP1A	X	75.644	1.5
86	MP1A	Z	-43.673	1.5
87	MP1A	Mx	-.038	1.5
88	MP1A	X	75.644	4.5
89	MP1A	Z	-43.673	4.5
90	MP1A	Mx	-.038	4.5
91	MP1B	X	75.644	1.5
92	MP1B	Z	-43.673	1.5
93	MP1B	Mx	.038	1.5
94	MP1B	X	75.644	4.5
95	MP1B	Z	-43.673	4.5
96	MP1B	Mx	.038	4.5
97	MP1C	X	112.719	1.5
98	MP1C	Z	-65.078	1.5
99	MP1C	Mx	-.011	1.5
100	MP1C	X	112.719	4.5
101	MP1C	Z	-65.078	4.5
102	MP1C	Mx	-.011	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	104.293	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.052	.5
4	MP2A	X	104.293	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.052	5.5
7	MP2B	X	145.168	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.037	.5
10	MP2B	X	145.168	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.037	5.5
13	MP2C	X	152.417	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.11	.5
16	MP2C	X	152.417	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.11	5.5
19	MP2A	X	104.293	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.052	.5
22	MP2A	X	104.293	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.052	5.5
25	MP2B	X	145.168	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.11	.5
28	MP2B	X	145.168	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.11	5.5
31	MP2C	X	152.417	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.057	.5
34	MP2C	X	152.417	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.057	5.5
37	MP4A	X	32.073	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.016	2
40	MP4A	X	32.073	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.016	4
43	MP4B	X	69.461	2
44	MP4B	Z	0	2
45	MP4B	Mx	.017	2
46	MP4B	X	69.461	4
47	MP4B	Z	0	4
48	MP4B	Mx	.017	4
49	MP4C	X	76.092	2
50	MP4C	Z	0	2
51	MP4C	Mx	.013	2
52	MP4C	X	76.092	4
53	MP4C	Z	0	4
54	MP4C	Mx	.013	4
55	MP2A	X	8.924	4
56	MP2A	Z	0	4
57	MP2A	Mx	.004	4
58	MP2B	X	11.905	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.003	4
61	MP2C	X	12.434	4
62	MP2C	Z	0	4
63	MP2C	Mx	-.002	4
64	MP2A	X	43.576	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.022	1.5
67	MP2B	X	59.787	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.015	1.5
70	MP2C	X	62.662	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.011	1.5
73	MP3A	X	35.297	3
74	MP3A	Z	0	3

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP3A	Mx	.018	3
76	MP3B	X	57.717	3
77	MP3B	Z	0	3
78	MP3B	Mx	-.014	3
79	MP3C	X	61.694	3
80	MP3C	Z	0	3
81	MP3C	Mx	-.011	3
82	M101	X	92.681	1
83	M101	Z	0	1
84	M101	Mx	0	1
85	MP1A	X	72.478	1.5
86	MP1A	Z	0	1.5
87	MP1A	Mx	-.036	1.5
88	MP1A	X	72.478	4.5
89	MP1A	Z	0	4.5
90	MP1A	Mx	-.036	4.5
91	MP1B	X	117.082	1.5
92	MP1B	Z	0	1.5
93	MP1B	Mx	.029	1.5
94	MP1B	X	117.082	4.5
95	MP1B	Z	0	4.5
96	MP1B	Mx	.029	4.5
97	MP1C	X	124.993	1.5
98	MP1C	Z	0	1.5
99	MP1C	Mx	.021	1.5
100	MP1C	X	124.993	4.5
101	MP1C	Z	0	4.5
102	MP1C	Mx	.021	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	102.12	.5
2	MP2A	Z	58.959	.5
3	MP2A	Mx	-.017	.5
4	MP2A	X	102.12	5.5
5	MP2A	Z	58.959	5.5
6	MP2A	Mx	-.017	5.5
7	MP2B	X	137.518	.5
8	MP2B	Z	79.396	.5
9	MP2B	Mx	-.093	.5
10	MP2B	X	137.518	5.5
11	MP2B	Z	79.396	5.5
12	MP2B	Mx	-.093	5.5
13	MP2C	X	109.821	.5
14	MP2C	Z	63.405	.5
15	MP2C	Mx	.096	.5
16	MP2C	X	109.821	5.5
17	MP2C	Z	63.405	5.5
18	MP2C	Mx	.096	5.5
19	MP2A	X	102.12	.5
20	MP2A	Z	58.959	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
21	MP2A	Mx	-.085	.5
22	MP2A	X	102.12	5.5
23	MP2A	Z	58.959	5.5
24	MP2A	Mx	-.085	5.5
25	MP2B	X	137.518	.5
26	MP2B	Z	79.396	.5
27	MP2B	Mx	.093	.5
28	MP2B	X	137.518	5.5
29	MP2B	Z	79.396	5.5
30	MP2B	Mx	.093	5.5
31	MP2C	X	109.821	.5
32	MP2C	Z	63.405	.5
33	MP2C	Mx	.001	.5
34	MP2C	X	109.821	5.5
35	MP2C	Z	63.405	5.5
36	MP2C	Mx	.001	5.5
37	MP4A	X	38.569	2
38	MP4A	Z	22.268	2
39	MP4A	Mx	-.019	2
40	MP4A	X	38.569	4
41	MP4A	Z	22.268	4
42	MP4A	Mx	-.019	4
43	MP4B	X	70.948	2
44	MP4B	Z	40.962	2
45	MP4B	Mx	0	2
46	MP4B	X	70.948	4
47	MP4B	Z	40.962	4
48	MP4B	Mx	0	4
49	MP4C	X	45.614	2
50	MP4C	Z	26.335	2
51	MP4C	Mx	.02	2
52	MP4C	X	45.614	4
53	MP4C	Z	26.335	4
54	MP4C	Mx	.02	4
55	MP2A	X	8.589	4
56	MP2A	Z	4.959	4
57	MP2A	Mx	.004	4
58	MP2B	X	11.171	4
59	MP2B	Z	6.449	4
60	MP2B	Mx	0	4
61	MP2C	X	9.151	4
62	MP2C	Z	5.283	4
63	MP2C	Mx	-.004	4
64	MP2A	X	42.418	1.5
65	MP2A	Z	24.49	1.5
66	MP2A	Mx	.021	1.5
67	MP2B	X	56.457	1.5
68	MP2B	Z	32.595	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	45.472	1.5
71	MP2C	Z	26.253	1.5
72	MP2C	Mx	-.02	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP3A	X	37.04	3
74	MP3A	Z	21.385	3
75	MP3A	Mx	.019	3
76	MP3B	X	56.457	3
77	MP3B	Z	32.595	3
78	MP3B	Mx	0	3
79	MP3C	X	41.265	3
80	MP3C	Z	23.824	3
81	MP3C	Mx	-.018	3
82	M101	X	98.439	1
83	M101	Z	56.834	1
84	M101	Mx	0	1
85	MP1A	X	75.644	1.5
86	MP1A	Z	43.673	1.5
87	MP1A	Mx	-.038	1.5
88	MP1A	X	75.644	4.5
89	MP1A	Z	43.673	4.5
90	MP1A	Mx	-.038	4.5
91	MP1B	X	114.272	1.5
92	MP1B	Z	65.975	1.5
93	MP1B	Mx	0	1.5
94	MP1B	X	114.272	4.5
95	MP1B	Z	65.975	4.5
96	MP1B	Mx	0	4.5
97	MP1C	X	84.048	1.5
98	MP1C	Z	48.525	1.5
99	MP1C	Mx	.037	1.5
100	MP1C	X	84.048	4.5
101	MP1C	Z	48.525	4.5
102	MP1C	Mx	.037	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	72.584	.5
2	MP2A	Z	125.719	.5
3	MP2A	Mx	.037	.5
4	MP2A	X	72.584	5.5
5	MP2A	Z	125.719	5.5
6	MP2A	Mx	.037	5.5
7	MP2B	X	72.584	.5
8	MP2B	Z	125.719	.5
9	MP2B	Mx	-.11	.5
10	MP2B	X	72.584	5.5
11	MP2B	Z	125.719	5.5
12	MP2B	Mx	-.11	5.5
13	MP2C	X	52.968	.5
14	MP2C	Z	91.744	.5
15	MP2C	Mx	.063	.5
16	MP2C	X	52.968	5.5
17	MP2C	Z	91.744	5.5
18	MP2C	Mx	.063	5.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
19	MP2A	X	72.584	.5
20	MP2A	Z	125.719	.5
21	MP2A	Mx	-.11	.5
22	MP2A	X	72.584	5.5
23	MP2A	Z	125.719	5.5
24	MP2A	Mx	-.11	5.5
25	MP2B	X	72.584	.5
26	MP2B	Z	125.719	.5
27	MP2B	Mx	.037	.5
28	MP2B	X	72.584	5.5
29	MP2B	Z	125.719	5.5
30	MP2B	Mx	.037	5.5
31	MP2C	X	52.968	.5
32	MP2C	Z	91.744	.5
33	MP2C	Mx	.041	.5
34	MP2C	X	52.968	5.5
35	MP2C	Z	91.744	5.5
36	MP2C	Mx	.041	5.5
37	MP4A	X	34.731	2
38	MP4A	Z	60.155	2
39	MP4A	Mx	-.017	2
40	MP4A	X	34.731	4
41	MP4A	Z	60.155	4
42	MP4A	Mx	-.017	4
43	MP4B	X	34.731	2
44	MP4B	Z	60.155	2
45	MP4B	Mx	-.017	2
46	MP4B	X	34.731	4
47	MP4B	Z	60.155	4
48	MP4B	Mx	-.017	4
49	MP4C	X	16.788	2
50	MP4C	Z	29.078	2
51	MP4C	Mx	.017	2
52	MP4C	X	16.788	4
53	MP4C	Z	29.078	4
54	MP4C	Mx	.017	4
55	MP2A	X	5.953	4
56	MP2A	Z	10.31	4
57	MP2A	Mx	.003	4
58	MP2B	X	5.953	4
59	MP2B	Z	10.31	4
60	MP2B	Mx	.003	4
61	MP2C	X	4.522	4
62	MP2C	Z	7.833	4
63	MP2C	Mx	-.004	4
64	MP2A	X	29.893	1.5
65	MP2A	Z	51.777	1.5
66	MP2A	Mx	.015	1.5
67	MP2B	X	29.893	1.5
68	MP2B	Z	51.777	1.5
69	MP2B	Mx	.015	1.5
70	MP2C	X	22.114	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
71	MP2C	Z	38.303	1.5
72	MP2C	Mx	-.022	1.5
73	MP3A	X	28.859	3
74	MP3A	Z	49.984	3
75	MP3A	Mx	.014	3
76	MP3B	X	28.859	3
77	MP3B	Z	49.984	3
78	MP3B	Mx	.014	3
79	MP3C	X	18.099	3
80	MP3C	Z	31.349	3
81	MP3C	Mx	-.018	3
82	M101	X	65.388	1
83	M101	Z	113.256	1
84	M101	Mx	0	1
85	MP1A	X	58.541	1.5
86	MP1A	Z	101.396	1.5
87	MP1A	Mx	-.029	1.5
88	MP1A	X	58.541	4.5
89	MP1A	Z	101.396	4.5
90	MP1A	Mx	-.029	4.5
91	MP1B	X	58.541	1.5
92	MP1B	Z	101.396	1.5
93	MP1B	Mx	-.029	1.5
94	MP1B	X	58.541	4.5
95	MP1B	Z	101.396	4.5
96	MP1B	Mx	-.029	4.5
97	MP1C	X	37.136	1.5
98	MP1C	Z	64.321	1.5
99	MP1C	Mx	.037	1.5
100	MP1C	X	37.136	4.5
101	MP1C	Z	64.321	4.5
102	MP1C	Mx	.037	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	158.793	.5
3	MP2A	Mx	.093	.5
4	MP2A	X	0	5.5
5	MP2A	Z	158.793	5.5
6	MP2A	Mx	.093	5.5
7	MP2B	X	0	.5
8	MP2B	Z	117.918	.5
9	MP2B	Mx	-.085	.5
10	MP2B	X	0	5.5
11	MP2B	Z	117.918	5.5
12	MP2B	Mx	-.085	5.5
13	MP2C	X	0	.5
14	MP2C	Z	110.668	.5
15	MP2C	Mx	.03	.5
16	MP2C	X	0	5.5

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

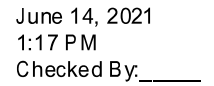
	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
17	MP2C	Z	110.668	5.5
18	MP2C	Mx	.03	5.5
19	MP2A	X	0	.5
20	MP2A	Z	158.793	.5
21	MP2A	Mx	-.093	.5
22	MP2A	X	0	5.5
23	MP2A	Z	158.793	5.5
24	MP2A	Mx	-.093	5.5
25	MP2B	X	0	.5
26	MP2B	Z	117.918	.5
27	MP2B	Mx	-.017	.5
28	MP2B	X	0	5.5
29	MP2B	Z	117.918	5.5
30	MP2B	Mx	-.017	5.5
31	MP2C	X	0	.5
32	MP2C	Z	110.668	.5
33	MP2C	Mx	.074	.5
34	MP2C	X	0	5.5
35	MP2C	Z	110.668	5.5
36	MP2C	Mx	.074	5.5
37	MP4A	X	0	2
38	MP4A	Z	81.924	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	81.924	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	44.536	2
45	MP4B	Mx	-.019	2
46	MP4B	X	0	4
47	MP4B	Z	44.536	4
48	MP4B	Mx	-.019	4
49	MP4C	X	0	2
50	MP4C	Z	37.904	2
51	MP4C	Mx	.018	2
52	MP4C	X	0	4
53	MP4C	Z	37.904	4
54	MP4C	Mx	.018	4
55	MP2A	X	0	4
56	MP2A	Z	12.899	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	9.918	4
60	MP2B	Mx	.004	4
61	MP2C	X	0	4
62	MP2C	Z	9.389	4
63	MP2C	Mx	-.004	4
64	MP2A	X	0	1.5
65	MP2A	Z	65.19	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	48.98	1.5

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

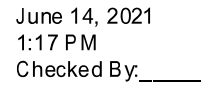
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
69	MP2B	Mx	.021	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	46.105	1.5
72	MP2C	Mx	-.022	1.5
73	MP3A	X	0	3
74	MP3A	Z	65.19	3
75	MP3A	Mx	0	3
76	MP3B	X	0	3
77	MP3B	Z	42.77	3
78	MP3B	Mx	.019	3
79	MP3C	X	0	3
80	MP3C	Z	38.794	3
81	MP3C	Mx	-.018	3
82	M101	X	0	1
83	M101	Z	126.899	1
84	M101	Mx	0	1
85	MP1A	X	0	1.5
86	MP1A	Z	131.95	1.5
87	MP1A	Mx	0	1.5
88	MP1A	X	0	4.5
89	MP1A	Z	131.95	4.5
90	MP1A	Mx	0	4.5
91	MP1B	X	0	1.5
92	MP1B	Z	87.346	1.5
93	MP1B	Mx	-.038	1.5
94	MP1B	X	0	4.5
95	MP1B	Z	87.346	4.5
96	MP1B	Mx	-.038	4.5
97	MP1C	X	0	1.5
98	MP1C	Z	79.435	1.5
99	MP1C	Mx	.037	1.5
100	MP1C	X	0	4.5
101	MP1C	Z	79.435	4.5
102	MP1C	Mx	.037	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-72.584	.5
2	MP2A	Z	125.719	.5
3	MP2A	Mx	.11	.5
4	MP2A	X	-72.584	5.5
5	MP2A	Z	125.719	5.5
6	MP2A	Mx	.11	5.5
7	MP2B	X	-52.146	.5
8	MP2B	Z	90.32	.5
9	MP2B	Mx	-.052	.5
10	MP2B	X	-52.146	5.5
11	MP2B	Z	90.32	5.5
12	MP2B	Mx	-.052	5.5
13	MP2C	X	-68.137	.5
14	MP2C	Z	118.017	.5



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
15	MP2C	Mx	-.017	.5
16	MP2C	X	-68.137	5.5
17	MP2C	Z	118.017	5.5
18	MP2C	Mx	-.017	5.5
19	MP2A	X	-72.584	.5
20	MP2A	Z	125.719	.5
21	MP2A	Mx	-.037	.5
22	MP2A	X	-72.584	5.5
23	MP2A	Z	125.719	5.5
24	MP2A	Mx	-.037	5.5
25	MP2B	X	-52.146	.5
26	MP2B	Z	90.32	.5
27	MP2B	Mx	-.052	.5
28	MP2B	X	-52.146	5.5
29	MP2B	Z	90.32	5.5
30	MP2B	Mx	-.052	5.5
31	MP2C	X	-68.137	.5
32	MP2C	Z	118.017	.5
33	MP2C	Mx	.105	.5
34	MP2C	X	-68.137	5.5
35	MP2C	Z	118.017	5.5
36	MP2C	Mx	.105	5.5
37	MP4A	X	-34.731	2
38	MP4A	Z	60.155	2
39	MP4A	Mx	.017	2
40	MP4A	X	-34.731	4
41	MP4A	Z	60.155	4
42	MP4A	Mx	.017	4
43	MP4B	X	-16.037	2
44	MP4B	Z	27.776	2
45	MP4B	Mx	-.016	2
46	MP4B	X	-16.037	4
47	MP4B	Z	27.776	4
48	MP4B	Mx	-.016	4
49	MP4C	X	-30.663	2
50	MP4C	Z	53.11	2
51	MP4C	Mx	.02	2
52	MP4C	X	-30.663	4
53	MP4C	Z	53.11	4
54	MP4C	Mx	.02	4
55	MP2A	X	-5.953	4
56	MP2A	Z	10.31	4
57	MP2A	Mx	-.003	4
58	MP2B	X	-4.462	4
59	MP2B	Z	7.729	4
60	MP2B	Mx	.004	4
61	MP2C	X	-5.628	4
62	MP2C	Z	9.749	4
63	MP2C	Mx	-.004	4
64	MP2A	X	-29.893	1.5
65	MP2A	Z	51.777	1.5
66	MP2A	Mx	-.015	1.5



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

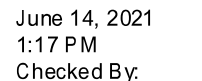
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
13	MP2C	X	-136.095	.5
14	MP2C	Z	78.575	.5
15	MP2C	Mx	-.077	.5
16	MP2C	X	-136.095	5.5
17	MP2C	Z	78.575	5.5
18	MP2C	Mx	-.077	5.5
19	MP2A	X	-102.12	.5
20	MP2A	Z	58.959	.5
21	MP2A	Mx	.017	.5
22	MP2A	X	-102.12	5.5
23	MP2A	Z	58.959	5.5
24	MP2A	Mx	.017	5.5
25	MP2B	X	-102.12	.5
26	MP2B	Z	58.959	.5
27	MP2B	Mx	-.085	.5
28	MP2B	X	-102.12	5.5
29	MP2B	Z	58.959	5.5
30	MP2B	Mx	-.085	5.5
31	MP2C	X	-136.095	.5
32	MP2C	Z	78.575	.5
33	MP2C	Mx	.104	.5
34	MP2C	X	-136.095	5.5
35	MP2C	Z	78.575	5.5
36	MP2C	Mx	.104	5.5
37	MP4A	X	-38.569	2
38	MP4A	Z	22.268	2
39	MP4A	Mx	.019	2
40	MP4A	X	-38.569	4
41	MP4A	Z	22.268	4
42	MP4A	Mx	.019	4
43	MP4B	X	-38.569	2
44	MP4B	Z	22.268	2
45	MP4B	Mx	-.019	2
46	MP4B	X	-38.569	4
47	MP4B	Z	22.268	4
48	MP4B	Mx	-.019	4
49	MP4C	X	-69.646	2
50	MP4C	Z	40.21	2
51	MP4C	Mx	.007	2
52	MP4C	X	-69.646	4
53	MP4C	Z	40.21	4
54	MP4C	Mx	.007	4
55	MP2A	X	-8.589	4
56	MP2A	Z	4.959	4
57	MP2A	Mx	-.004	4
58	MP2B	X	-8.589	4
59	MP2B	Z	4.959	4
60	MP2B	Mx	.004	4
61	MP2C	X	-11.067	4
62	MP2C	Z	6.389	4
63	MP2C	Mx	-.001	4
64	MP2A	X	-42.418	1.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	MP2A	Z	24.49	1.5
66	MP2A	Mx	-.021	1.5
67	MP2B	X	-42.418	1.5
68	MP2B	Z	24.49	1.5
69	MP2B	Mx	.021	1.5
70	MP2C	X	-55.892	1.5
71	MP2C	Z	32.269	1.5
72	MP2C	Mx	-.006	1.5
73	MP3A	X	-37.04	3
74	MP3A	Z	21.385	3
75	MP3A	Mx	-.019	3
76	MP3B	X	-37.04	3
77	MP3B	Z	21.385	3
78	MP3B	Mx	.019	3
79	MP3C	X	-55.676	3
80	MP3C	Z	32.144	3
81	MP3C	Mx	-.006	3
82	M101	X	-76.905	1
83	M101	Z	44.401	1
84	M101	Mx	0	1
85	MP1A	X	-75.644	1.5
86	MP1A	Z	43.673	1.5
87	MP1A	Mx	.038	1.5
88	MP1A	X	-75.644	4.5
89	MP1A	Z	43.673	4.5
90	MP1A	Mx	.038	4.5
91	MP1B	X	-75.644	1.5
92	MP1B	Z	43.673	1.5
93	MP1B	Mx	-.038	1.5
94	MP1B	X	-75.644	4.5
95	MP1B	Z	43.673	4.5
96	MP1B	Mx	-.038	4.5
97	MP1C	X	-112.719	1.5
98	MP1C	Z	65.078	1.5
99	MP1C	Mx	.011	1.5
100	MP1C	X	-112.719	4.5
101	MP1C	Z	65.078	4.5
102	MP1C	Mx	.011	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-104.293	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.052	.5
4	MP2A	X	-104.293	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.052	5.5
7	MP2B	X	-145.168	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.037	.5
10	MP2B	X	-145.168	5.5



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	0	5.5
12	MP2B	Mx	.037	5.5
13	MP2C	X	-152.417	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.11	.5
16	MP2C	X	-152.417	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.11	5.5
19	MP2A	X	-104.293	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.052	.5
22	MP2A	X	-104.293	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.052	5.5
25	MP2B	X	-145.168	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.11	.5
28	MP2B	X	-145.168	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.11	5.5
31	MP2C	X	-152.417	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.057	.5
34	MP2C	X	-152.417	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.057	5.5
37	MP4A	X	-32.073	2
38	MP4A	Z	0	2
39	MP4A	Mx	.016	2
40	MP4A	X	-32.073	4
41	MP4A	Z	0	4
42	MP4A	Mx	.016	4
43	MP4B	X	-69.461	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.017	2
46	MP4B	X	-69.461	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.017	4
49	MP4C	X	-76.092	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.013	2
52	MP4C	X	-76.092	4
53	MP4C	Z	0	4
54	MP4C	Mx	-.013	4
55	MP2A	X	-8.924	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.004	4
58	MP2B	X	-11.905	4
59	MP2B	Z	0	4
60	MP2B	Mx	.003	4
61	MP2C	X	-12.434	4
62	MP2C	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
63	MP2C	Mx	.002	4
64	MP2A	X	-43.576	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.022	1.5
67	MP2B	X	-59.787	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.015	1.5
70	MP2C	X	-62.662	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	.011	1.5
73	MP3A	X	-35.297	3
74	MP3A	Z	0	3
75	MP3A	Mx	-.018	3
76	MP3B	X	-57.717	3
77	MP3B	Z	0	3
78	MP3B	Mx	.014	3
79	MP3C	X	-61.694	3
80	MP3C	Z	0	3
81	MP3C	Mx	.011	3
82	M101	X	-92.681	1
83	M101	Z	0	1
84	M101	Mx	0	1
85	MP1A	X	-72.478	1.5
86	MP1A	Z	0	1.5
87	MP1A	Mx	.036	1.5
88	MP1A	X	-72.478	4.5
89	MP1A	Z	0	4.5
90	MP1A	Mx	.036	4.5
91	MP1B	X	-117.082	1.5
92	MP1B	Z	0	1.5
93	MP1B	Mx	-.029	1.5
94	MP1B	X	-117.082	4.5
95	MP1B	Z	0	4.5
96	MP1B	Mx	-.029	4.5
97	MP1C	X	-124.993	1.5
98	MP1C	Z	0	1.5
99	MP1C	Mx	-.021	1.5
100	MP1C	X	-124.993	4.5
101	MP1C	Z	0	4.5
102	MP1C	Mx	-.021	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-102.12	.5
2	MP2A	Z	-58.959	.5
3	MP2A	Mx	.017	.5
4	MP2A	X	-102.12	5.5
5	MP2A	Z	-58.959	5.5
6	MP2A	Mx	.017	5.5
7	MP2B	X	-137.518	.5
8	MP2B	Z	-79.396	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.093	.5
10	MP2B	X	-137.518	5.5
11	MP2B	Z	-79.396	5.5
12	MP2B	Mx	.093	5.5
13	MP2C	X	-109.821	.5
14	MP2C	Z	-63.405	.5
15	MP2C	Mx	-.096	.5
16	MP2C	X	-109.821	5.5
17	MP2C	Z	-63.405	5.5
18	MP2C	Mx	-.096	5.5
19	MP2A	X	-102.12	.5
20	MP2A	Z	-58.959	.5
21	MP2A	Mx	.085	.5
22	MP2A	X	-102.12	5.5
23	MP2A	Z	-58.959	5.5
24	MP2A	Mx	.085	5.5
25	MP2B	X	-137.518	.5
26	MP2B	Z	-79.396	.5
27	MP2B	Mx	-.093	.5
28	MP2B	X	-137.518	5.5
29	MP2B	Z	-79.396	5.5
30	MP2B	Mx	-.093	5.5
31	MP2C	X	-109.821	.5
32	MP2C	Z	-63.405	.5
33	MP2C	Mx	-.001	.5
34	MP2C	X	-109.821	5.5
35	MP2C	Z	-63.405	5.5
36	MP2C	Mx	-.001	5.5
37	MP4A	X	-38.569	2
38	MP4A	Z	-22.268	2
39	MP4A	Mx	.019	2
40	MP4A	X	-38.569	4
41	MP4A	Z	-22.268	4
42	MP4A	Mx	.019	4
43	MP4B	X	-70.948	2
44	MP4B	Z	-40.962	2
45	MP4B	Mx	0	2
46	MP4B	X	-70.948	4
47	MP4B	Z	-40.962	4
48	MP4B	Mx	0	4
49	MP4C	X	-45.614	2
50	MP4C	Z	-26.335	2
51	MP4C	Mx	-.02	2
52	MP4C	X	-45.614	4
53	MP4C	Z	-26.335	4
54	MP4C	Mx	-.02	4
55	MP2A	X	-8.589	4
56	MP2A	Z	-4.959	4
57	MP2A	Mx	-.004	4
58	MP2B	X	-11.171	4
59	MP2B	Z	-6.449	4
60	MP2B	Mx	0	4

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft, %]
61	MP2C	X	-9.151	4
62	MP2C	Z	-5.283	4
63	MP2C	Mx	.004	4
64	MP2A	X	-42.418	1.5
65	MP2A	Z	-24.49	1.5
66	MP2A	Mx	-.021	1.5
67	MP2B	X	-56.457	1.5
68	MP2B	Z	-32.595	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-45.472	1.5
71	MP2C	Z	-26.253	1.5
72	MP2C	Mx	.02	1.5
73	MP3A	X	-37.04	3
74	MP3A	Z	-21.385	3
75	MP3A	Mx	-.019	3
76	MP3B	X	-56.457	3
77	MP3B	Z	-32.595	3
78	MP3B	Mx	0	3
79	MP3C	X	-41.265	3
80	MP3C	Z	-23.824	3
81	MP3C	Mx	.018	3
82	M101	X	-98.439	1
83	M101	Z	-56.834	1
84	M101	Mx	0	1
85	MP1A	X	-75.644	1.5
86	MP1A	Z	-43.673	1.5
87	MP1A	Mx	.038	1.5
88	MP1A	X	-75.644	4.5
89	MP1A	Z	-43.673	4.5
90	MP1A	Mx	.038	4.5
91	MP1B	X	-114.272	1.5
92	MP1B	Z	-65.975	1.5
93	MP1B	Mx	0	1.5
94	MP1B	X	-114.272	4.5
95	MP1B	Z	-65.975	4.5
96	MP1B	Mx	0	4.5
97	MP1C	X	-84.048	1.5
98	MP1C	Z	-48.525	1.5
99	MP1C	Mx	-.037	1.5
100	MP1C	X	-84.048	4.5
101	MP1C	Z	-48.525	4.5
102	MP1C	Mx	-.037	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
1	MP2A	X	-72.584	.5
2	MP2A	Z	-125.719	.5
3	MP2A	Mx	-.037	.5
4	MP2A	X	-72.584	5.5
5	MP2A	Z	-125.719	5.5
6	MP2A	Mx	-.037	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
7	MP2B	X	-72.584	.5
8	MP2B	Z	-125.719	.5
9	MP2B	Mx	.11	.5
10	MP2B	X	-72.584	5.5
11	MP2B	Z	-125.719	5.5
12	MP2B	Mx	.11	5.5
13	MP2C	X	-52.968	.5
14	MP2C	Z	-91.744	.5
15	MP2C	Mx	-.063	.5
16	MP2C	X	-52.968	5.5
17	MP2C	Z	-91.744	5.5
18	MP2C	Mx	-.063	5.5
19	MP2A	X	-72.584	.5
20	MP2A	Z	-125.719	.5
21	MP2A	Mx	.11	.5
22	MP2A	X	-72.584	5.5
23	MP2A	Z	-125.719	5.5
24	MP2A	Mx	.11	5.5
25	MP2B	X	-72.584	.5
26	MP2B	Z	-125.719	.5
27	MP2B	Mx	-.037	.5
28	MP2B	X	-72.584	5.5
29	MP2B	Z	-125.719	5.5
30	MP2B	Mx	-.037	5.5
31	MP2C	X	-52.968	.5
32	MP2C	Z	-91.744	.5
33	MP2C	Mx	-.041	.5
34	MP2C	X	-52.968	5.5
35	MP2C	Z	-91.744	5.5
36	MP2C	Mx	-.041	5.5
37	MP4A	X	-34.731	2
38	MP4A	Z	-60.155	2
39	MP4A	Mx	.017	2
40	MP4A	X	-34.731	4
41	MP4A	Z	-60.155	4
42	MP4A	Mx	.017	4
43	MP4B	X	-34.731	2
44	MP4B	Z	-60.155	2
45	MP4B	Mx	.017	2
46	MP4B	X	-34.731	4
47	MP4B	Z	-60.155	4
48	MP4B	Mx	.017	4
49	MP4C	X	-16.788	2
50	MP4C	Z	-29.078	2
51	MP4C	Mx	-.017	2
52	MP4C	X	-16.788	4
53	MP4C	Z	-29.078	4
54	MP4C	Mx	-.017	4
55	MP2A	X	-5.953	4
56	MP2A	Z	-10.31	4
57	MP2A	Mx	-.003	4
58	MP2B	X	-5.953	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
59	MP2B	Z	-10.31	4
60	MP2B	Mx	-.003	4
61	MP2C	X	-4.522	4
62	MP2C	Z	-7.833	4
63	MP2C	Mx	.004	4
64	MP2A	X	-29.893	1.5
65	MP2A	Z	-51.777	1.5
66	MP2A	Mx	-.015	1.5
67	MP2B	X	-29.893	1.5
68	MP2B	Z	-51.777	1.5
69	MP2B	Mx	-.015	1.5
70	MP2C	X	-22.114	1.5
71	MP2C	Z	-38.303	1.5
72	MP2C	Mx	.022	1.5
73	MP3A	X	-28.859	3
74	MP3A	Z	-49.984	3
75	MP3A	Mx	-.014	3
76	MP3B	X	-28.859	3
77	MP3B	Z	-49.984	3
78	MP3B	Mx	-.014	3
79	MP3C	X	-18.099	3
80	MP3C	Z	-31.349	3
81	MP3C	Mx	.018	3
82	M101	X	-65.388	1
83	M101	Z	-113.256	1
84	M101	Mx	0	1
85	MP1A	X	-58.541	1.5
86	MP1A	Z	-101.396	1.5
87	MP1A	Mx	.029	1.5
88	MP1A	X	-58.541	4.5
89	MP1A	Z	-101.396	4.5
90	MP1A	Mx	.029	4.5
91	MP1B	X	-58.541	1.5
92	MP1B	Z	-101.396	1.5
93	MP1B	Mx	.029	1.5
94	MP1B	X	-58.541	4.5
95	MP1B	Z	-101.396	4.5
96	MP1B	Mx	.029	4.5
97	MP1C	X	-37.136	1.5
98	MP1C	Z	-64.321	1.5
99	MP1C	Mx	-.037	1.5
100	MP1C	X	-37.136	4.5
101	MP1C	Z	-64.321	4.5
102	MP1C	Mx	-.037	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	0	.5
2	MP2A	Z	-29.722	.5
3	MP2A	Mx	-.017	.5
4	MP2A	X	0	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
5	MP2A	Z	-29.722	5.5
6	MP2A	Mx	-.017	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-22.639	.5
9	MP2B	Mx	.016	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-22.639	5.5
12	MP2B	Mx	.016	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-21.382	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-21.382	5.5
18	MP2C	Mx	-.006	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-29.722	.5
21	MP2A	Mx	.017	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-29.722	5.5
24	MP2A	Mx	.017	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-22.639	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-22.639	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-21.382	.5
33	MP2C	Mx	-.014	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-21.382	5.5
36	MP2C	Mx	-.014	5.5
37	MP4A	X	0	2
38	MP4A	Z	-15.81	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-15.81	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-9.005	2
45	MP4B	Mx	.004	2
46	MP4B	X	0	4
47	MP4B	Z	-9.005	4
48	MP4B	Mx	.004	4
49	MP4C	X	0	2
50	MP4C	Z	-7.798	2
51	MP4C	Mx	-.004	2
52	MP4C	X	0	4
53	MP4C	Z	-7.798	4
54	MP4C	Mx	-.004	4
55	MP2A	X	0	4
56	MP2A	Z	-3.237	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	-2.632	4
60	MP2B	Mx	-.001	4
61	MP2C	X	0	4
62	MP2C	Z	-2.524	4
63	MP2C	Mx	.001	4
64	MP2A	X	0	1.5
65	MP2A	Z	-13.327	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-10.286	1.5
69	MP2B	Mx	-.004	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-9.746	1.5
72	MP2C	Mx	.005	1.5
73	MP3A	X	0	3
74	MP3A	Z	-13.327	3
75	MP3A	Mx	0	3
76	MP3B	X	0	3
77	MP3B	Z	-9.13	3
78	MP3B	Mx	-.004	3
79	MP3C	X	0	3
80	MP3C	Z	-8.385	3
81	MP3C	Mx	.004	3
82	M101	X	0	1
83	M101	Z	-24.704	1
84	M101	Mx	0	1
85	MP1A	X	0	1.5
86	MP1A	Z	-24.955	1.5
87	MP1A	Mx	0	1.5
88	MP1A	X	0	4.5
89	MP1A	Z	-24.955	4.5
90	MP1A	Mx	0	4.5
91	MP1B	X	0	1.5
92	MP1B	Z	-17.204	1.5
93	MP1B	Mx	.007	1.5
94	MP1B	X	0	4.5
95	MP1B	Z	-17.204	4.5
96	MP1B	Mx	.007	4.5
97	MP1C	X	0	1.5
98	MP1C	Z	-15.83	1.5
99	MP1C	Mx	-.007	1.5
100	MP1C	X	0	4.5
101	MP1C	Z	-15.83	4.5
102	MP1C	Mx	-.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	13.68	.5
2	MP2A	Z	-23.695	.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	-.021	.5
4	MP2A	X	13.68	5.5
5	MP2A	Z	-23.695	5.5
6	MP2A	Mx	-.021	5.5
7	MP2B	X	10.139	.5
8	MP2B	Z	-17.561	.5
9	MP2B	Mx	.01	.5
10	MP2B	X	10.139	5.5
11	MP2B	Z	-17.561	5.5
12	MP2B	Mx	.01	5.5
13	MP2C	X	12.91	.5
14	MP2C	Z	-22.36	.5
15	MP2C	Mx	.003	.5
16	MP2C	X	12.91	5.5
17	MP2C	Z	-22.36	5.5
18	MP2C	Mx	.003	5.5
19	MP2A	X	13.68	.5
20	MP2A	Z	-23.695	.5
21	MP2A	Mx	.007	.5
22	MP2A	X	13.68	5.5
23	MP2A	Z	-23.695	5.5
24	MP2A	Mx	.007	5.5
25	MP2B	X	10.139	.5
26	MP2B	Z	-17.561	.5
27	MP2B	Mx	.01	.5
28	MP2B	X	10.139	5.5
29	MP2B	Z	-17.561	5.5
30	MP2B	Mx	.01	5.5
31	MP2C	X	12.91	.5
32	MP2C	Z	-22.36	.5
33	MP2C	Mx	-.02	.5
34	MP2C	X	12.91	5.5
35	MP2C	Z	-22.36	5.5
36	MP2C	Mx	-.02	5.5
37	MP4A	X	6.771	2
38	MP4A	Z	-11.727	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.771	4
41	MP4A	Z	-11.727	4
42	MP4A	Mx	-.003	4
43	MP4B	X	3.368	2
44	MP4B	Z	-5.834	2
45	MP4B	Mx	.003	2
46	MP4B	X	3.368	4
47	MP4B	Z	-5.834	4
48	MP4B	Mx	.003	4
49	MP4C	X	6.03	2
50	MP4C	Z	-10.445	2
51	MP4C	Mx	-.004	2
52	MP4C	X	6.03	4
53	MP4C	Z	-10.445	4
54	MP4C	Mx	-.004	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
55	MP2A	X	1.518	4
56	MP2A	Z	-2.629	4
57	MP2A	Mx	.000759	4
58	MP2B	X	1.215	4
59	MP2B	Z	-2.104	4
60	MP2B	Mx	-.001	4
61	MP2C	X	1.452	4
62	MP2C	Z	-2.515	4
63	MP2C	Mx	.000933	4
64	MP2A	X	6.157	1.5
65	MP2A	Z	-10.664	1.5
66	MP2A	Mx	.003	1.5
67	MP2B	X	4.636	1.5
68	MP2B	Z	-8.029	1.5
69	MP2B	Mx	-.005	1.5
70	MP2C	X	5.826	1.5
71	MP2C	Z	-10.09	1.5
72	MP2C	Mx	.004	1.5
73	MP3A	X	5.964	3
74	MP3A	Z	-10.33	3
75	MP3A	Mx	.003	3
76	MP3B	X	3.865	3
77	MP3B	Z	-6.695	3
78	MP3B	Mx	-.004	3
79	MP3C	X	5.507	3
80	MP3C	Z	-9.539	3
81	MP3C	Mx	.004	3
82	M101	X	10.448	1
83	M101	Z	-18.097	1
84	M101	Mx	0	1
85	MP1A	X	11.186	1.5
86	MP1A	Z	-19.374	1.5
87	MP1A	Mx	-.006	1.5
88	MP1A	X	11.186	4.5
89	MP1A	Z	-19.374	4.5
90	MP1A	Mx	-.006	4.5
91	MP1B	X	7.311	1.5
92	MP1B	Z	-12.662	1.5
93	MP1B	Mx	.007	1.5
94	MP1B	X	7.311	4.5
95	MP1B	Z	-12.662	4.5
96	MP1B	Mx	.007	4.5
97	MP1C	X	10.343	1.5
98	MP1C	Z	-17.914	1.5
99	MP1C	Mx	-.007	1.5
100	MP1C	X	10.343	4.5
101	MP1C	Z	-17.914	4.5
102	MP1C	Mx	-.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
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Member Point Loads (BLC 17: Antenna Wi (60 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	19.606	.5
2	MP2A	Z	-11.319	.5
3	MP2A	Mx	-.016	.5
4	MP2A	X	19.606	5.5
5	MP2A	Z	-11.319	5.5
6	MP2A	Mx	-.016	5.5
7	MP2B	X	19.606	.5
8	MP2B	Z	-11.319	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	19.606	5.5
11	MP2B	Z	-11.319	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	25.493	.5
14	MP2C	Z	-14.719	.5
15	MP2C	Mx	.014	.5
16	MP2C	X	25.493	5.5
17	MP2C	Z	-14.719	5.5
18	MP2C	Mx	.014	5.5
19	MP2A	X	19.606	.5
20	MP2A	Z	-11.319	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	19.606	5.5
23	MP2A	Z	-11.319	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	19.606	.5
26	MP2B	Z	-11.319	.5
27	MP2B	Mx	.016	.5
28	MP2B	X	19.606	5.5
29	MP2B	Z	-11.319	5.5
30	MP2B	Mx	.016	5.5
31	MP2C	X	25.493	.5
32	MP2C	Z	-14.719	.5
33	MP2C	Mx	-.019	.5
34	MP2C	X	25.493	5.5
35	MP2C	Z	-14.719	5.5
36	MP2C	Mx	-.019	5.5
37	MP4A	X	7.798	2
38	MP4A	Z	-4.502	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.798	4
41	MP4A	Z	-4.502	4
42	MP4A	Mx	-.004	4
43	MP4B	X	7.798	2
44	MP4B	Z	-4.502	2
45	MP4B	Mx	.004	2
46	MP4B	X	7.798	4
47	MP4B	Z	-4.502	4
48	MP4B	Mx	.004	4
49	MP4C	X	13.455	2
50	MP4C	Z	-7.768	2
51	MP4C	Mx	-.001	2
52	MP4C	X	13.455	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-7.768	4
54	MP4C	Mx	-.001	4
55	MP2A	X	2.279	4
56	MP2A	Z	-1.316	4
57	MP2A	Mx	.001	4
58	MP2B	X	2.279	4
59	MP2B	Z	-1.316	4
60	MP2B	Mx	-.001	4
61	MP2C	X	2.782	4
62	MP2C	Z	-1.606	4
63	MP2C	Mx	.000279	4
64	MP2A	X	8.908	1.5
65	MP2A	Z	-5.143	1.5
66	MP2A	Mx	.004	1.5
67	MP2B	X	8.908	1.5
68	MP2B	Z	-5.143	1.5
69	MP2B	Mx	-.004	1.5
70	MP2C	X	11.436	1.5
71	MP2C	Z	-6.602	1.5
72	MP2C	Mx	.001	1.5
73	MP3A	X	7.907	3
74	MP3A	Z	-4.565	3
75	MP3A	Mx	.004	3
76	MP3B	X	7.907	3
77	MP3B	Z	-4.565	3
78	MP3B	Mx	-.004	3
79	MP3C	X	11.395	3
80	MP3C	Z	-6.579	3
81	MP3C	Mx	.001	3
82	M101	X	15.409	1
83	M101	Z	-8.896	1
84	M101	Mx	0	1
85	MP1A	X	14.9	1.5
86	MP1A	Z	-8.602	1.5
87	MP1A	Mx	-.007	1.5
88	MP1A	X	14.9	4.5
89	MP1A	Z	-8.602	4.5
90	MP1A	Mx	-.007	4.5
91	MP1B	X	14.9	1.5
92	MP1B	Z	-8.602	1.5
93	MP1B	Mx	.007	1.5
94	MP1B	X	14.9	4.5
95	MP1B	Z	-8.602	4.5
96	MP1B	Mx	.007	4.5
97	MP1C	X	21.341	1.5
98	MP1C	Z	-12.321	1.5
99	MP1C	Mx	-.002	1.5
100	MP1C	X	21.341	4.5
101	MP1C	Z	-12.321	4.5
102	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
1	MP2A	X	20.277	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.01	.5
4	MP2A	X	20.277	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.01	5.5
7	MP2B	X	27.361	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.007	.5
10	MP2B	X	27.361	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.007	5.5
13	MP2C	X	28.617	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.021	.5
16	MP2C	X	28.617	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.021	5.5
19	MP2A	X	20.277	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.01	.5
22	MP2A	X	20.277	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.01	5.5
25	MP2B	X	27.361	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.021	.5
28	MP2B	X	27.361	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.021	5.5
31	MP2C	X	28.617	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.011	.5
34	MP2C	X	28.617	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.011	5.5
37	MP4A	X	6.736	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.736	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.003	4
43	MP4B	X	13.541	2
44	MP4B	Z	0	2
45	MP4B	Mx	.003	2
46	MP4B	X	13.541	4
47	MP4B	Z	0	4
48	MP4B	Mx	.003	4
49	MP4C	X	14.748	2
50	MP4C	Z	0	2
51	MP4C	Mx	.003	2
52	MP4C	X	14.748	4

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft, %]
53	MP4C	Z	0	4
54	MP4C	Mx	.003	4
55	MP2A	X	2.43	4
56	MP2A	Z	0	4
57	MP2A	Mx	.001	4
58	MP2B	X	3.035	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.000759	4
61	MP2C	X	3.143	4
62	MP2C	Z	0	4
63	MP2C	Mx	-.000537	4
64	MP2A	X	9.272	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.005	1.5
67	MP2B	X	12.313	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.003	1.5
70	MP2C	X	12.853	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.002	1.5
73	MP3A	X	7.731	3
74	MP3A	Z	0	3
75	MP3A	Mx	.004	3
76	MP3B	X	11.928	3
77	MP3B	Z	0	3
78	MP3B	Mx	-.003	3
79	MP3C	X	12.672	3
80	MP3C	Z	0	3
81	MP3C	Mx	-.002	3
82	M101	X	18.496	1
83	M101	Z	0	1
84	M101	Mx	0	1
85	MP1A	X	14.621	1.5
86	MP1A	Z	0	1.5
87	MP1A	Mx	-.007	1.5
88	MP1A	X	14.621	4.5
89	MP1A	Z	0	4.5
90	MP1A	Mx	-.007	4.5
91	MP1B	X	22.371	1.5
92	MP1B	Z	0	1.5
93	MP1B	Mx	.006	1.5
94	MP1B	X	22.371	4.5
95	MP1B	Z	0	4.5
96	MP1B	Mx	.006	4.5
97	MP1C	X	23.746	1.5
98	MP1C	Z	0	1.5
99	MP1C	Mx	.004	1.5
100	MP1C	X	23.746	4.5
101	MP1C	Z	0	4.5
102	MP1C	Mx	.004	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
1	MP2A	X	19.606	.5
2	MP2A	Z	11.319	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	19.606	5.5
5	MP2A	Z	11.319	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	25.74	.5
8	MP2B	Z	14.861	.5
9	MP2B	Mx	-.017	.5
10	MP2B	X	25.74	5.5
11	MP2B	Z	14.861	5.5
12	MP2B	Mx	-.017	5.5
13	MP2C	X	20.94	.5
14	MP2C	Z	12.09	.5
15	MP2C	Mx	.018	.5
16	MP2C	X	20.94	5.5
17	MP2C	Z	12.09	5.5
18	MP2C	Mx	.018	5.5
19	MP2A	X	19.606	.5
20	MP2A	Z	11.319	.5
21	MP2A	Mx	-.016	.5
22	MP2A	X	19.606	5.5
23	MP2A	Z	11.319	5.5
24	MP2A	Mx	-.016	5.5
25	MP2B	X	25.74	.5
26	MP2B	Z	14.861	.5
27	MP2B	Mx	.017	.5
28	MP2B	X	25.74	5.5
29	MP2B	Z	14.861	5.5
30	MP2B	Mx	.017	5.5
31	MP2C	X	20.94	.5
32	MP2C	Z	12.09	.5
33	MP2C	Mx	.000195	.5
34	MP2C	X	20.94	5.5
35	MP2C	Z	12.09	5.5
36	MP2C	Mx	.000195	5.5
37	MP4A	X	7.798	2
38	MP4A	Z	4.502	2
39	MP4A	Mx	-.004	2
40	MP4A	X	7.798	4
41	MP4A	Z	4.502	4
42	MP4A	Mx	-.004	4
43	MP4B	X	13.692	2
44	MP4B	Z	7.905	2
45	MP4B	Mx	0	2
46	MP4B	X	13.692	4
47	MP4B	Z	7.905	4
48	MP4B	Mx	0	4
49	MP4C	X	9.08	2
50	MP4C	Z	5.243	2
51	MP4C	Mx	.004	2
52	MP4C	X	9.08	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	5.243	4
54	MP4C	Mx	.004	4
55	MP2A	X	2.279	4
56	MP2A	Z	1.316	4
57	MP2A	Mx	.001	4
58	MP2B	X	2.804	4
59	MP2B	Z	1.619	4
60	MP2B	Mx	0	4
61	MP2C	X	2.393	4
62	MP2C	Z	1.382	4
63	MP2C	Mx	-.001	4
64	MP2A	X	8.908	1.5
65	MP2A	Z	5.143	1.5
66	MP2A	Mx	.004	1.5
67	MP2B	X	11.542	1.5
68	MP2B	Z	6.664	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	9.481	1.5
71	MP2C	Z	5.474	1.5
72	MP2C	Mx	-.004	1.5
73	MP3A	X	7.907	3
74	MP3A	Z	4.565	3
75	MP3A	Mx	.004	3
76	MP3B	X	11.542	3
77	MP3B	Z	6.664	3
78	MP3B	Mx	0	3
79	MP3C	X	8.697	3
80	MP3C	Z	5.021	3
81	MP3C	Mx	-.004	3
82	M101	X	19.316	1
83	M101	Z	11.152	1
84	M101	Mx	0	1
85	MP1A	X	14.9	1.5
86	MP1A	Z	8.602	1.5
87	MP1A	Mx	-.007	1.5
88	MP1A	X	14.9	4.5
89	MP1A	Z	8.602	4.5
90	MP1A	Mx	-.007	4.5
91	MP1B	X	21.611	1.5
92	MP1B	Z	12.477	1.5
93	MP1B	Mx	0	1.5
94	MP1B	X	21.611	4.5
95	MP1B	Z	12.477	4.5
96	MP1B	Mx	0	4.5
97	MP1C	X	16.36	1.5
98	MP1C	Z	9.445	1.5
99	MP1C	Mx	.007	1.5
100	MP1C	X	16.36	4.5
101	MP1C	Z	9.445	4.5
102	MP1C	Mx	.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	13.68	.5
2	MP2A	Z	23.695	.5
3	MP2A	Mx	.007	.5
4	MP2A	X	13.68	5.5
5	MP2A	Z	23.695	5.5
6	MP2A	Mx	.007	5.5
7	MP2B	X	13.68	.5
8	MP2B	Z	23.695	.5
9	MP2B	Mx	-.021	.5
10	MP2B	X	13.68	5.5
11	MP2B	Z	23.695	5.5
12	MP2B	Mx	-.021	5.5
13	MP2C	X	10.281	.5
14	MP2C	Z	17.807	.5
15	MP2C	Mx	.012	.5
16	MP2C	X	10.281	5.5
17	MP2C	Z	17.807	5.5
18	MP2C	Mx	.012	5.5
19	MP2A	X	13.68	.5
20	MP2A	Z	23.695	.5
21	MP2A	Mx	-.021	.5
22	MP2A	X	13.68	5.5
23	MP2A	Z	23.695	5.5
24	MP2A	Mx	-.021	5.5
25	MP2B	X	13.68	.5
26	MP2B	Z	23.695	.5
27	MP2B	Mx	.007	.5
28	MP2B	X	13.68	5.5
29	MP2B	Z	23.695	5.5
30	MP2B	Mx	.007	5.5
31	MP2C	X	10.281	.5
32	MP2C	Z	17.807	.5
33	MP2C	Mx	.008	.5
34	MP2C	X	10.281	5.5
35	MP2C	Z	17.807	5.5
36	MP2C	Mx	.008	5.5
37	MP4A	X	6.771	2
38	MP4A	Z	11.727	2
39	MP4A	Mx	-.003	2
40	MP4A	X	6.771	4
41	MP4A	Z	11.727	4
42	MP4A	Mx	-.003	4
43	MP4B	X	6.771	2
44	MP4B	Z	11.727	2
45	MP4B	Mx	-.003	2
46	MP4B	X	6.771	4
47	MP4B	Z	11.727	4
48	MP4B	Mx	-.003	4
49	MP4C	X	3.505	2
50	MP4C	Z	6.071	2
51	MP4C	Mx	.003	2
52	MP4C	X	3.505	4

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

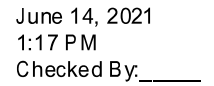
	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft,%]
53	MP4C	Z	6.071	4
54	MP4C	Mx	.003	4
55	MP2A	X	1.518	4
56	MP2A	Z	2.629	4
57	MP2A	Mx	.000759	4
58	MP2B	X	1.518	4
59	MP2B	Z	2.629	4
60	MP2B	Mx	.000759	4
61	MP2C	X	1.227	4
62	MP2C	Z	2.125	4
63	MP2C	Mx	-.001	4
64	MP2A	X	6.157	1.5
65	MP2A	Z	10.664	1.5
66	MP2A	Mx	.003	1.5
67	MP2B	X	6.157	1.5
68	MP2B	Z	10.664	1.5
69	MP2B	Mx	.003	1.5
70	MP2C	X	4.697	1.5
71	MP2C	Z	8.135	1.5
72	MP2C	Mx	-.005	1.5
73	MP3A	X	5.964	3
74	MP3A	Z	10.33	3
75	MP3A	Mx	.003	3
76	MP3B	X	5.964	3
77	MP3B	Z	10.33	3
78	MP3B	Mx	.003	3
79	MP3C	X	3.95	3
80	MP3C	Z	6.841	3
81	MP3C	Mx	-.004	3
82	M101	X	12.704	1
83	M101	Z	22.004	1
84	M101	Mx	0	1
85	MP1A	X	11.186	1.5
86	MP1A	Z	19.374	1.5
87	MP1A	Mx	-.006	1.5
88	MP1A	X	11.186	4.5
89	MP1A	Z	19.374	4.5
90	MP1A	Mx	-.006	4.5
91	MP1B	X	11.186	1.5
92	MP1B	Z	19.374	1.5
93	MP1B	Mx	-.006	1.5
94	MP1B	X	11.186	4.5
95	MP1B	Z	19.374	4.5
96	MP1B	Mx	-.006	4.5
97	MP1C	X	7.466	1.5
98	MP1C	Z	12.932	1.5
99	MP1C	Mx	.007	1.5
100	MP1C	X	7.466	4.5
101	MP1C	Z	12.932	4.5
102	MP1C	Mx	.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	.5
2	MP2A	Z	29.722	.5
3	MP2A	Mx	.017	.5
4	MP2A	X	0	5.5
5	MP2A	Z	29.722	5.5
6	MP2A	Mx	.017	5.5
7	MP2B	X	0	.5
8	MP2B	Z	22.639	.5
9	MP2B	Mx	-.016	.5
10	MP2B	X	0	5.5
11	MP2B	Z	22.639	5.5
12	MP2B	Mx	-.016	5.5
13	MP2C	X	0	.5
14	MP2C	Z	21.382	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	0	5.5
17	MP2C	Z	21.382	5.5
18	MP2C	Mx	.006	5.5
19	MP2A	X	0	.5
20	MP2A	Z	29.722	.5
21	MP2A	Mx	-.017	.5
22	MP2A	X	0	5.5
23	MP2A	Z	29.722	5.5
24	MP2A	Mx	-.017	5.5
25	MP2B	X	0	.5
26	MP2B	Z	22.639	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	0	5.5
29	MP2B	Z	22.639	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	0	.5
32	MP2C	Z	21.382	.5
33	MP2C	Mx	.014	.5
34	MP2C	X	0	5.5
35	MP2C	Z	21.382	5.5
36	MP2C	Mx	.014	5.5
37	MP4A	X	0	2
38	MP4A	Z	15.81	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	15.81	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	9.005	2
45	MP4B	Mx	-.004	2
46	MP4B	X	0	4
47	MP4B	Z	9.005	4
48	MP4B	Mx	-.004	4
49	MP4C	X	0	2
50	MP4C	Z	7.798	2
51	MP4C	Mx	.004	2
52	MP4C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	7.798	4
54	MP4C	Mx	.004	4
55	MP2A	X	0	4
56	MP2A	Z	3.237	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	2.632	4
60	MP2B	Mx	.001	4
61	MP2C	X	0	4
62	MP2C	Z	2.524	4
63	MP2C	Mx	-.001	4
64	MP2A	X	0	1.5
65	MP2A	Z	13.327	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	10.286	1.5
69	MP2B	Mx	.004	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	9.746	1.5
72	MP2C	Mx	-.005	1.5
73	MP3A	X	0	3
74	MP3A	Z	13.327	3
75	MP3A	Mx	0	3
76	MP3B	X	0	3
77	MP3B	Z	9.13	3
78	MP3B	Mx	.004	3
79	MP3C	X	0	3
80	MP3C	Z	8.385	3
81	MP3C	Mx	-.004	3
82	M101	X	0	1
83	M101	Z	24.704	1
84	M101	Mx	0	1
85	MP1A	X	0	1.5
86	MP1A	Z	24.955	1.5
87	MP1A	Mx	0	1.5
88	MP1A	X	0	4.5
89	MP1A	Z	24.955	4.5
90	MP1A	Mx	0	4.5
91	MP1B	X	0	1.5
92	MP1B	Z	17.204	1.5
93	MP1B	Mx	-.007	1.5
94	MP1B	X	0	4.5
95	MP1B	Z	17.204	4.5
96	MP1B	Mx	-.007	4.5
97	MP1C	X	0	1.5
98	MP1C	Z	15.83	1.5
99	MP1C	Mx	.007	1.5
100	MP1C	X	0	4.5
101	MP1C	Z	15.83	4.5
102	MP1C	Mx	.007	4.5



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-13.68	.5
2	MP2A	Z	23.695	.5
3	MP2A	Mx	.021	.5
4	MP2A	X	-13.68	5.5
5	MP2A	Z	23.695	5.5
6	MP2A	Mx	.021	5.5
7	MP2B	X	-10.139	.5
8	MP2B	Z	17.561	.5
9	MP2B	Mx	-.01	.5
10	MP2B	X	-10.139	5.5
11	MP2B	Z	17.561	5.5
12	MP2B	Mx	-.01	5.5
13	MP2C	X	-12.91	.5
14	MP2C	Z	22.36	.5
15	MP2C	Mx	-.003	.5
16	MP2C	X	-12.91	5.5
17	MP2C	Z	22.36	5.5
18	MP2C	Mx	-.003	5.5
19	MP2A	X	-13.68	.5
20	MP2A	Z	23.695	.5
21	MP2A	Mx	-.007	.5
22	MP2A	X	-13.68	5.5
23	MP2A	Z	23.695	5.5
24	MP2A	Mx	-.007	5.5
25	MP2B	X	-10.139	.5
26	MP2B	Z	17.561	.5
27	MP2B	Mx	-.01	.5
28	MP2B	X	-10.139	5.5
29	MP2B	Z	17.561	5.5
30	MP2B	Mx	-.01	5.5
31	MP2C	X	-12.91	.5
32	MP2C	Z	22.36	.5
33	MP2C	Mx	.02	.5
34	MP2C	X	-12.91	5.5
35	MP2C	Z	22.36	5.5
36	MP2C	Mx	.02	5.5
37	MP4A	X	-6.771	2
38	MP4A	Z	11.727	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.771	4
41	MP4A	Z	11.727	4
42	MP4A	Mx	.003	4
43	MP4B	X	-3.368	2
44	MP4B	Z	5.834	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-3.368	4
47	MP4B	Z	5.834	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-6.03	2
50	MP4C	Z	10.445	2
51	MP4C	Mx	.004	2
52	MP4C	X	-6.03	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	10.445	4
54	MP4C	Mx	.004	4
55	MP2A	X	-1.518	4
56	MP2A	Z	2.629	4
57	MP2A	Mx	-.000759	4
58	MP2B	X	-1.215	4
59	MP2B	Z	2.104	4
60	MP2B	Mx	.001	4
61	MP2C	X	-1.452	4
62	MP2C	Z	2.515	4
63	MP2C	Mx	-.000933	4
64	MP2A	X	-6.157	1.5
65	MP2A	Z	10.664	1.5
66	MP2A	Mx	-.003	1.5
67	MP2B	X	-4.636	1.5
68	MP2B	Z	8.029	1.5
69	MP2B	Mx	.005	1.5
70	MP2C	X	-5.826	1.5
71	MP2C	Z	10.09	1.5
72	MP2C	Mx	-.004	1.5
73	MP3A	X	-5.964	3
74	MP3A	Z	10.33	3
75	MP3A	Mx	-.003	3
76	MP3B	X	-3.865	3
77	MP3B	Z	6.695	3
78	MP3B	Mx	.004	3
79	MP3C	X	-5.507	3
80	MP3C	Z	9.539	3
81	MP3C	Mx	-.004	3
82	M101	X	-10.448	1
83	M101	Z	18.097	1
84	M101	Mx	0	1
85	MP1A	X	-11.186	1.5
86	MP1A	Z	19.374	1.5
87	MP1A	Mx	.006	1.5
88	MP1A	X	-11.186	4.5
89	MP1A	Z	19.374	4.5
90	MP1A	Mx	.006	4.5
91	MP1B	X	-7.311	1.5
92	MP1B	Z	12.662	1.5
93	MP1B	Mx	-.007	1.5
94	MP1B	X	-7.311	4.5
95	MP1B	Z	12.662	4.5
96	MP1B	Mx	-.007	4.5
97	MP1C	X	-10.343	1.5
98	MP1C	Z	17.914	1.5
99	MP1C	Mx	.007	1.5
100	MP1C	X	-10.343	4.5
101	MP1C	Z	17.914	4.5
102	MP1C	Mx	.007	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP2A	X	-19.606	.5
2	MP2A	Z	11.319	.5
3	MP2A	Mx	.016	.5
4	MP2A	X	-19.606	5.5
5	MP2A	Z	11.319	5.5
6	MP2A	Mx	.016	5.5
7	MP2B	X	-19.606	.5
8	MP2B	Z	11.319	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-19.606	5.5
11	MP2B	Z	11.319	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	-25.493	.5
14	MP2C	Z	14.719	.5
15	MP2C	Mx	-.014	.5
16	MP2C	X	-25.493	5.5
17	MP2C	Z	14.719	5.5
18	MP2C	Mx	-.014	5.5
19	MP2A	X	-19.606	.5
20	MP2A	Z	11.319	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-19.606	5.5
23	MP2A	Z	11.319	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	-19.606	.5
26	MP2B	Z	11.319	.5
27	MP2B	Mx	-.016	.5
28	MP2B	X	-19.606	5.5
29	MP2B	Z	11.319	5.5
30	MP2B	Mx	-.016	5.5
31	MP2C	X	-25.493	.5
32	MP2C	Z	14.719	.5
33	MP2C	Mx	.019	.5
34	MP2C	X	-25.493	5.5
35	MP2C	Z	14.719	5.5
36	MP2C	Mx	.019	5.5
37	MP4A	X	-7.798	2
38	MP4A	Z	4.502	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.798	4
41	MP4A	Z	4.502	4
42	MP4A	Mx	.004	4
43	MP4B	X	-7.798	2
44	MP4B	Z	4.502	2
45	MP4B	Mx	-.004	2
46	MP4B	X	-7.798	4
47	MP4B	Z	4.502	4
48	MP4B	Mx	-.004	4
49	MP4C	X	-13.455	2
50	MP4C	Z	7.768	2
51	MP4C	Mx	.001	2
52	MP4C	X	-13.455	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	7.768	4
54	MP4C	Mx	.001	4
55	MP2A	X	-2.279	4
56	MP2A	Z	1.316	4
57	MP2A	Mx	-.001	4
58	MP2B	X	-2.279	4
59	MP2B	Z	1.316	4
60	MP2B	Mx	.001	4
61	MP2C	X	-2.782	4
62	MP2C	Z	1.606	4
63	MP2C	Mx	-.000279	4
64	MP2A	X	-8.908	1.5
65	MP2A	Z	5.143	1.5
66	MP2A	Mx	-.004	1.5
67	MP2B	X	-8.908	1.5
68	MP2B	Z	5.143	1.5
69	MP2B	Mx	.004	1.5
70	MP2C	X	-11.436	1.5
71	MP2C	Z	6.602	1.5
72	MP2C	Mx	-.001	1.5
73	MP3A	X	-7.907	3
74	MP3A	Z	4.565	3
75	MP3A	Mx	-.004	3
76	MP3B	X	-7.907	3
77	MP3B	Z	4.565	3
78	MP3B	Mx	.004	3
79	MP3C	X	-11.395	3
80	MP3C	Z	6.579	3
81	MP3C	Mx	-.001	3
82	M101	X	-15.409	1
83	M101	Z	8.896	1
84	M101	Mx	0	1
85	MP1A	X	-14.9	1.5
86	MP1A	Z	8.602	1.5
87	MP1A	Mx	.007	1.5
88	MP1A	X	-14.9	4.5
89	MP1A	Z	8.602	4.5
90	MP1A	Mx	.007	4.5
91	MP1B	X	-14.9	1.5
92	MP1B	Z	8.602	1.5
93	MP1B	Mx	-.007	1.5
94	MP1B	X	-14.9	4.5
95	MP1B	Z	8.602	4.5
96	MP1B	Mx	-.007	4.5
97	MP1C	X	-21.341	1.5
98	MP1C	Z	12.321	1.5
99	MP1C	Mx	.002	1.5
100	MP1C	X	-21.341	4.5
101	MP1C	Z	12.321	4.5
102	MP1C	Mx	.002	4.5

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

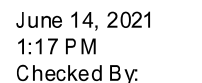
	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
1	MP2A	X	-20.277	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.01	.5
4	MP2A	X	-20.277	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.01	5.5
7	MP2B	X	-27.361	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.007	.5
10	MP2B	X	-27.361	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.007	5.5
13	MP2C	X	-28.617	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.021	.5
16	MP2C	X	-28.617	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.021	5.5
19	MP2A	X	-20.277	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.01	.5
22	MP2A	X	-20.277	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.01	5.5
25	MP2B	X	-27.361	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.021	.5
28	MP2B	X	-27.361	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.021	5.5
31	MP2C	X	-28.617	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.011	.5
34	MP2C	X	-28.617	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.011	5.5
37	MP4A	X	-6.736	2
38	MP4A	Z	0	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.736	4
41	MP4A	Z	0	4
42	MP4A	Mx	.003	4
43	MP4B	X	-13.541	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.003	2
46	MP4B	X	-13.541	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.003	4
49	MP4C	X	-14.748	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.003	2
52	MP4C	X	-14.748	4

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft, %]
53	MP4C	Z	0	4
54	MP4C	Mx	-.003	4
55	MP2A	X	-2.43	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.001	4
58	MP2B	X	-3.035	4
59	MP2B	Z	0	4
60	MP2B	Mx	.000759	4
61	MP2C	X	-3.143	4
62	MP2C	Z	0	4
63	MP2C	Mx	.000537	4
64	MP2A	X	-9.272	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.005	1.5
67	MP2B	X	-12.313	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.003	1.5
70	MP2C	X	-12.853	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	.002	1.5
73	MP3A	X	-7.731	3
74	MP3A	Z	0	3
75	MP3A	Mx	-.004	3
76	MP3B	X	-11.928	3
77	MP3B	Z	0	3
78	MP3B	Mx	.003	3
79	MP3C	X	-12.672	3
80	MP3C	Z	0	3
81	MP3C	Mx	.002	3
82	M101	X	-18.496	1
83	M101	Z	0	1
84	M101	Mx	0	1
85	MP1A	X	-14.621	1.5
86	MP1A	Z	0	1.5
87	MP1A	Mx	.007	1.5
88	MP1A	X	-14.621	4.5
89	MP1A	Z	0	4.5
90	MP1A	Mx	.007	4.5
91	MP1B	X	-22.371	1.5
92	MP1B	Z	0	1.5
93	MP1B	Mx	-.006	1.5
94	MP1B	X	-22.371	4.5
95	MP1B	Z	0	4.5
96	MP1B	Mx	-.006	4.5
97	MP1C	X	-23.746	1.5
98	MP1C	Z	0	1.5
99	MP1C	Mx	-.004	1.5
100	MP1C	X	-23.746	4.5
101	MP1C	Z	0	4.5
102	MP1C	Mx	-.004	4.5

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

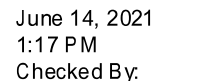
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-19.606	.5
2	MP2A	Z	-11.319	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-19.606	5.5
5	MP2A	Z	-11.319	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	-25.74	.5
8	MP2B	Z	-14.861	.5
9	MP2B	Mx	.017	.5
10	MP2B	X	-25.74	5.5
11	MP2B	Z	-14.861	5.5
12	MP2B	Mx	.017	5.5
13	MP2C	X	-20.94	.5
14	MP2C	Z	-12.09	.5
15	MP2C	Mx	-.018	.5
16	MP2C	X	-20.94	5.5
17	MP2C	Z	-12.09	5.5
18	MP2C	Mx	-.018	5.5
19	MP2A	X	-19.606	.5
20	MP2A	Z	-11.319	.5
21	MP2A	Mx	.016	.5
22	MP2A	X	-19.606	5.5
23	MP2A	Z	-11.319	5.5
24	MP2A	Mx	.016	5.5
25	MP2B	X	-25.74	.5
26	MP2B	Z	-14.861	.5
27	MP2B	Mx	-.017	.5
28	MP2B	X	-25.74	5.5
29	MP2B	Z	-14.861	5.5
30	MP2B	Mx	-.017	5.5
31	MP2C	X	-20.94	.5
32	MP2C	Z	-12.09	.5
33	MP2C	Mx	-.000195	.5
34	MP2C	X	-20.94	5.5
35	MP2C	Z	-12.09	5.5
36	MP2C	Mx	-.000195	5.5
37	MP4A	X	-7.798	2
38	MP4A	Z	-4.502	2
39	MP4A	Mx	.004	2
40	MP4A	X	-7.798	4
41	MP4A	Z	-4.502	4
42	MP4A	Mx	.004	4
43	MP4B	X	-13.692	2
44	MP4B	Z	-7.905	2
45	MP4B	Mx	0	2
46	MP4B	X	-13.692	4
47	MP4B	Z	-7.905	4
48	MP4B	Mx	0	4
49	MP4C	X	-9.08	2
50	MP4C	Z	-5.243	2
51	MP4C	Mx	-.004	2
52	MP4C	X	-9.08	4



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-5.243	4
54	MP4C	Mx	-.004	4
55	MP2A	X	-2.279	4
56	MP2A	Z	-1.316	4
57	MP2A	Mx	-.001	4
58	MP2B	X	-2.804	4
59	MP2B	Z	-1.619	4
60	MP2B	Mx	0	4
61	MP2C	X	-2.393	4
62	MP2C	Z	-1.382	4
63	MP2C	Mx	.001	4
64	MP2A	X	-8.908	1.5
65	MP2A	Z	-5.143	1.5
66	MP2A	Mx	-.004	1.5
67	MP2B	X	-11.542	1.5
68	MP2B	Z	-6.664	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-9.481	1.5
71	MP2C	Z	-5.474	1.5
72	MP2C	Mx	.004	1.5
73	MP3A	X	-7.907	3
74	MP3A	Z	-4.565	3
75	MP3A	Mx	-.004	3
76	MP3B	X	-11.542	3
77	MP3B	Z	-6.664	3
78	MP3B	Mx	0	3
79	MP3C	X	-8.697	3
80	MP3C	Z	-5.021	3
81	MP3C	Mx	.004	3
82	M101	X	-19.316	1
83	M101	Z	-11.152	1
84	M101	Mx	0	1
85	MP1A	X	-14.9	1.5
86	MP1A	Z	-8.602	1.5
87	MP1A	Mx	.007	1.5
88	MP1A	X	-14.9	4.5
89	MP1A	Z	-8.602	4.5
90	MP1A	Mx	.007	4.5
91	MP1B	X	-21.611	1.5
92	MP1B	Z	-12.477	1.5
93	MP1B	Mx	0	1.5
94	MP1B	X	-21.611	4.5
95	MP1B	Z	-12.477	4.5
96	MP1B	Mx	0	4.5
97	MP1C	X	-16.36	1.5
98	MP1C	Z	-9.445	1.5
99	MP1C	Mx	-.007	1.5
100	MP1C	X	-16.36	4.5
101	MP1C	Z	-9.445	4.5
102	MP1C	Mx	-.007	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-13.68	.5
2	MP2A	Z	-23.695	.5
3	MP2A	Mx	-.007	.5
4	MP2A	X	-13.68	5.5
5	MP2A	Z	-23.695	5.5
6	MP2A	Mx	-.007	5.5
7	MP2B	X	-13.68	.5
8	MP2B	Z	-23.695	.5
9	MP2B	Mx	.021	.5
10	MP2B	X	-13.68	5.5
11	MP2B	Z	-23.695	5.5
12	MP2B	Mx	.021	5.5
13	MP2C	X	-10.281	.5
14	MP2C	Z	-17.807	.5
15	MP2C	Mx	-.012	.5
16	MP2C	X	-10.281	5.5
17	MP2C	Z	-17.807	5.5
18	MP2C	Mx	-.012	5.5
19	MP2A	X	-13.68	.5
20	MP2A	Z	-23.695	.5
21	MP2A	Mx	.021	.5
22	MP2A	X	-13.68	5.5
23	MP2A	Z	-23.695	5.5
24	MP2A	Mx	.021	5.5
25	MP2B	X	-13.68	.5
26	MP2B	Z	-23.695	.5
27	MP2B	Mx	-.007	.5
28	MP2B	X	-13.68	5.5
29	MP2B	Z	-23.695	5.5
30	MP2B	Mx	-.007	5.5
31	MP2C	X	-10.281	.5
32	MP2C	Z	-17.807	.5
33	MP2C	Mx	-.008	.5
34	MP2C	X	-10.281	5.5
35	MP2C	Z	-17.807	5.5
36	MP2C	Mx	-.008	5.5
37	MP4A	X	-6.771	2
38	MP4A	Z	-11.727	2
39	MP4A	Mx	.003	2
40	MP4A	X	-6.771	4
41	MP4A	Z	-11.727	4
42	MP4A	Mx	.003	4
43	MP4B	X	-6.771	2
44	MP4B	Z	-11.727	2
45	MP4B	Mx	.003	2
46	MP4B	X	-6.771	4
47	MP4B	Z	-11.727	4
48	MP4B	Mx	.003	4
49	MP4C	X	-3.505	2
50	MP4C	Z	-6.071	2
51	MP4C	Mx	-.003	2
52	MP4C	X	-3.505	4



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
53	MP4C	Z	-6.071	4
54	MP4C	Mx	-.003	4
55	MP2A	X	-1.518	4
56	MP2A	Z	-2.629	4
57	MP2A	Mx	-.000759	4
58	MP2B	X	-1.518	4
59	MP2B	Z	-2.629	4
60	MP2B	Mx	-.000759	4
61	MP2C	X	-1.227	4
62	MP2C	Z	-2.125	4
63	MP2C	Mx	.001	4
64	MP2A	X	-6.157	1.5
65	MP2A	Z	-10.664	1.5
66	MP2A	Mx	-.003	1.5
67	MP2B	X	-6.157	1.5
68	MP2B	Z	-10.664	1.5
69	MP2B	Mx	-.003	1.5
70	MP2C	X	-4.697	1.5
71	MP2C	Z	-8.135	1.5
72	MP2C	Mx	.005	1.5
73	MP3A	X	-5.964	3
74	MP3A	Z	-10.33	3
75	MP3A	Mx	-.003	3
76	MP3B	X	-5.964	3
77	MP3B	Z	-10.33	3
78	MP3B	Mx	-.003	3
79	MP3C	X	-3.95	3
80	MP3C	Z	-6.841	3
81	MP3C	Mx	.004	3
82	M101	X	-12.704	1
83	M101	Z	-22.004	1
84	M101	Mx	0	1
85	MP1A	X	-11.186	1.5
86	MP1A	Z	-19.374	1.5
87	MP1A	Mx	.006	1.5
88	MP1A	X	-11.186	4.5
89	MP1A	Z	-19.374	4.5
90	MP1A	Mx	.006	4.5
91	MP1B	X	-11.186	1.5
92	MP1B	Z	-19.374	1.5
93	MP1B	Mx	.006	1.5
94	MP1B	X	-11.186	4.5
95	MP1B	Z	-19.374	4.5
96	MP1B	Mx	.006	4.5
97	MP1C	X	-7.466	1.5
98	MP1C	Z	-12.932	1.5
99	MP1C	Mx	-.007	1.5
100	MP1C	X	-7.466	4.5
101	MP1C	Z	-12.932	4.5
102	MP1C	Mx	-.007	4.5

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft, %]
1	MP2A	X	0	.5
2	MP2A	Z	-9.761	.5
3	MP2A	Mx	-.006	.5
4	MP2A	X	0	5.5
5	MP2A	Z	-9.761	5.5
6	MP2A	Mx	-.006	5.5
7	MP2B	X	0	.5
8	MP2B	Z	-7.249	.5
9	MP2B	Mx	.005	.5
10	MP2B	X	0	5.5
11	MP2B	Z	-7.249	5.5
12	MP2B	Mx	.005	5.5
13	MP2C	X	0	.5
14	MP2C	Z	-6.803	.5
15	MP2C	Mx	-.002	.5
16	MP2C	X	0	5.5
17	MP2C	Z	-6.803	5.5
18	MP2C	Mx	-.002	5.5
19	MP2A	X	0	.5
20	MP2A	Z	-9.761	.5
21	MP2A	Mx	.006	.5
22	MP2A	X	0	5.5
23	MP2A	Z	-9.761	5.5
24	MP2A	Mx	.006	5.5
25	MP2B	X	0	.5
26	MP2B	Z	-7.249	.5
27	MP2B	Mx	.001	.5
28	MP2B	X	0	5.5
29	MP2B	Z	-7.249	5.5
30	MP2B	Mx	.001	5.5
31	MP2C	X	0	.5
32	MP2C	Z	-6.803	.5
33	MP2C	Mx	-.005	.5
34	MP2C	X	0	5.5
35	MP2C	Z	-6.803	5.5
36	MP2C	Mx	-.005	5.5
37	MP4A	X	0	2
38	MP4A	Z	-5.036	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	-5.036	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	-2.738	2
45	MP4B	Mx	.001	2
46	MP4B	X	0	4
47	MP4B	Z	-2.738	4
48	MP4B	Mx	.001	4
49	MP4C	X	0	2
50	MP4C	Z	-2.33	2
51	MP4C	Mx	-.001	2
52	MP4C	X	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-2.33	4
54	MP4C	Mx	-.001	4
55	MP2A	X	0	4
56	MP2A	Z	-.793	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	-.61	4
60	MP2B	Mx	-.000264	4
61	MP2C	X	0	4
62	MP2C	Z	-.577	4
63	MP2C	Mx	.000271	4
64	MP2A	X	0	1.5
65	MP2A	Z	-4.007	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	-3.011	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	-2.834	1.5
72	MP2C	Mx	.001	1.5
73	MP3A	X	0	3
74	MP3A	Z	-4.007	3
75	MP3A	Mx	0	3
76	MP3B	X	0	3
77	MP3B	Z	-2.629	3
78	MP3B	Mx	-.001	3
79	MP3C	X	0	3
80	MP3C	Z	-2.385	3
81	MP3C	Mx	.001	3
82	M101	X	0	1
83	M101	Z	-7.801	1
84	M101	Mx	0	1
85	MP1A	X	0	1.5
86	MP1A	Z	-8.111	1.5
87	MP1A	Mx	0	1.5
88	MP1A	X	0	4.5
89	MP1A	Z	-8.111	4.5
90	MP1A	Mx	0	4.5
91	MP1B	X	0	1.5
92	MP1B	Z	-5.369	1.5
93	MP1B	Mx	.002	1.5
94	MP1B	X	0	4.5
95	MP1B	Z	-5.369	4.5
96	MP1B	Mx	.002	4.5
97	MP1C	X	0	1.5
98	MP1C	Z	-4.883	1.5
99	MP1C	Mx	-.002	1.5
100	MP1C	X	0	4.5
101	MP1C	Z	-4.883	4.5
102	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
1	MP2A	X	4.462	.5
2	MP2A	Z	-7.728	.5
3	MP2A	Mx	-.007	.5
4	MP2A	X	4.462	5.5
5	MP2A	Z	-7.728	5.5
6	MP2A	Mx	-.007	5.5
7	MP2B	X	3.206	.5
8	MP2B	Z	-5.552	.5
9	MP2B	Mx	.003	.5
10	MP2B	X	3.206	5.5
11	MP2B	Z	-5.552	5.5
12	MP2B	Mx	.003	5.5
13	MP2C	X	4.188	.5
14	MP2C	Z	-7.255	.5
15	MP2C	Mx	.001	.5
16	MP2C	X	4.188	5.5
17	MP2C	Z	-7.255	5.5
18	MP2C	Mx	.001	5.5
19	MP2A	X	4.462	.5
20	MP2A	Z	-7.728	.5
21	MP2A	Mx	.002	.5
22	MP2A	X	4.462	5.5
23	MP2A	Z	-7.728	5.5
24	MP2A	Mx	.002	5.5
25	MP2B	X	3.206	.5
26	MP2B	Z	-5.552	.5
27	MP2B	Mx	.003	.5
28	MP2B	X	3.206	5.5
29	MP2B	Z	-5.552	5.5
30	MP2B	Mx	.003	5.5
31	MP2C	X	4.188	.5
32	MP2C	Z	-7.255	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	4.188	5.5
35	MP2C	Z	-7.255	5.5
36	MP2C	Mx	-.006	5.5
37	MP4A	X	2.135	2
38	MP4A	Z	-3.698	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.135	4
41	MP4A	Z	-3.698	4
42	MP4A	Mx	-.001	4
43	MP4B	X	.986	2
44	MP4B	Z	-1.707	2
45	MP4B	Mx	.000986	2
46	MP4B	X	.986	4
47	MP4B	Z	-1.707	4
48	MP4B	Mx	.000986	4
49	MP4C	X	1.885	2
50	MP4C	Z	-3.265	2
51	MP4C	Mx	-.001	2
52	MP4C	X	1.885	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-3.265	4
54	MP4C	Mx	-.001	4
55	MP2A	X	.366	4
56	MP2A	Z	-.634	4
57	MP2A	Mx	.000183	4
58	MP2B	X	.274	4
59	MP2B	Z	-.475	4
60	MP2B	Mx	-.000274	4
61	MP2C	X	.346	4
62	MP2C	Z	-.599	4
63	MP2C	Mx	.000222	4
64	MP2A	X	1.838	1.5
65	MP2A	Z	-3.183	1.5
66	MP2A	Mx	.000919	1.5
67	MP2B	X	1.339	1.5
68	MP2B	Z	-2.32	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	1.729	1.5
71	MP2C	Z	-2.995	1.5
72	MP2C	Mx	.001	1.5
73	MP3A	X	1.774	3
74	MP3A	Z	-3.073	3
75	MP3A	Mx	.000887	3
76	MP3B	X	1.085	3
77	MP3B	Z	-1.879	3
78	MP3B	Mx	-.001	3
79	MP3C	X	1.624	3
80	MP3C	Z	-2.813	3
81	MP3C	Mx	.001	3
82	M101	X	3.255	1
83	M101	Z	-5.638	1
84	M101	Mx	0	1
85	MP1A	X	3.599	1.5
86	MP1A	Z	-6.233	1.5
87	MP1A	Mx	-.002	1.5
88	MP1A	X	3.599	4.5
89	MP1A	Z	-6.233	4.5
90	MP1A	Mx	-.002	4.5
91	MP1B	X	2.228	1.5
92	MP1B	Z	-3.858	1.5
93	MP1B	Mx	.002	1.5
94	MP1B	X	2.228	4.5
95	MP1B	Z	-3.858	4.5
96	MP1B	Mx	.002	4.5
97	MP1C	X	3.3	1.5
98	MP1C	Z	-5.716	1.5
99	MP1C	Mx	-.002	1.5
100	MP1C	X	3.3	4.5
101	MP1C	Z	-5.716	4.5
102	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	6.277	.5
2	MP2A	Z	-3.624	.5
3	MP2A	Mx	-.005	.5
4	MP2A	X	6.277	5.5
5	MP2A	Z	-3.624	5.5
6	MP2A	Mx	-.005	5.5
7	MP2B	X	6.277	.5
8	MP2B	Z	-3.624	.5
9	MP2B	Mx	.001	.5
10	MP2B	X	6.277	5.5
11	MP2B	Z	-3.624	5.5
12	MP2B	Mx	.001	5.5
13	MP2C	X	8.366	.5
14	MP2C	Z	-4.83	.5
15	MP2C	Mx	.005	.5
16	MP2C	X	8.366	5.5
17	MP2C	Z	-4.83	5.5
18	MP2C	Mx	.005	5.5
19	MP2A	X	6.277	.5
20	MP2A	Z	-3.624	.5
21	MP2A	Mx	-.001	.5
22	MP2A	X	6.277	5.5
23	MP2A	Z	-3.624	5.5
24	MP2A	Mx	-.001	5.5
25	MP2B	X	6.277	.5
26	MP2B	Z	-3.624	.5
27	MP2B	Mx	.005	.5
28	MP2B	X	6.277	5.5
29	MP2B	Z	-3.624	5.5
30	MP2B	Mx	.005	5.5
31	MP2C	X	8.366	.5
32	MP2C	Z	-4.83	.5
33	MP2C	Mx	-.006	.5
34	MP2C	X	8.366	5.5
35	MP2C	Z	-4.83	5.5
36	MP2C	Mx	-.006	5.5
37	MP4A	X	2.371	2
38	MP4A	Z	-1.369	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.371	4
41	MP4A	Z	-1.369	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.371	2
44	MP4B	Z	-1.369	2
45	MP4B	Mx	.001	2
46	MP4B	X	2.371	4
47	MP4B	Z	-1.369	4
48	MP4B	Mx	.001	4
49	MP4C	X	4.281	2
50	MP4C	Z	-2.472	2
51	MP4C	Mx	-.000429	2
52	MP4C	X	4.281	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-2.472	4
54	MP4C	Mx	-.000429	4
55	MP2A	X	.528	4
56	MP2A	Z	-.305	4
57	MP2A	Mx	.000264	4
58	MP2B	X	.528	4
59	MP2B	Z	-.305	4
60	MP2B	Mx	-.000264	4
61	MP2C	X	.68	4
62	MP2C	Z	-.393	4
63	MP2C	Mx	6.8e-5	4
64	MP2A	X	2.607	1.5
65	MP2A	Z	-1.505	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	2.607	1.5
68	MP2B	Z	-1.505	1.5
69	MP2B	Mx	-.001	1.5
70	MP2C	X	3.436	1.5
71	MP2C	Z	-1.984	1.5
72	MP2C	Mx	.000345	1.5
73	MP3A	X	2.277	3
74	MP3A	Z	-1.315	3
75	MP3A	Mx	.001	3
76	MP3B	X	2.277	3
77	MP3B	Z	-1.315	3
78	MP3B	Mx	-.001	3
79	MP3C	X	3.422	3
80	MP3C	Z	-1.976	3
81	MP3C	Mx	.000343	3
82	M101	X	4.727	1
83	M101	Z	-2.729	1
84	M101	Mx	0	1
85	MP1A	X	4.65	1.5
86	MP1A	Z	-2.685	1.5
87	MP1A	Mx	-.002	1.5
88	MP1A	X	4.65	4.5
89	MP1A	Z	-2.685	4.5
90	MP1A	Mx	-.002	4.5
91	MP1B	X	4.65	1.5
92	MP1B	Z	-2.685	1.5
93	MP1B	Mx	.002	1.5
94	MP1B	X	4.65	4.5
95	MP1B	Z	-2.685	4.5
96	MP1B	Mx	.002	4.5
97	MP1C	X	6.929	1.5
98	MP1C	Z	-4	1.5
99	MP1C	Mx	-.000694	1.5
100	MP1C	X	6.929	4.5
101	MP1C	Z	-4	4.5
102	MP1C	Mx	-.000694	4.5

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft, %]
1	MP2A	X	6.411	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	-.003	.5
4	MP2A	X	6.411	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	-.003	5.5
7	MP2B	X	8.924	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	-.002	.5
10	MP2B	X	8.924	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	-.002	5.5
13	MP2C	X	9.369	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	.007	.5
16	MP2C	X	9.369	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	.007	5.5
19	MP2A	X	6.411	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	-.003	.5
22	MP2A	X	6.411	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	-.003	5.5
25	MP2B	X	8.924	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	.007	.5
28	MP2B	X	8.924	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	.007	5.5
31	MP2C	X	9.369	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	-.004	.5
34	MP2C	X	9.369	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	-.004	5.5
37	MP4A	X	1.972	2
38	MP4A	Z	0	2
39	MP4A	Mx	-.000986	2
40	MP4A	X	1.972	4
41	MP4A	Z	0	4
42	MP4A	Mx	-.000986	4
43	MP4B	X	4.27	2
44	MP4B	Z	0	2
45	MP4B	Mx	.001	2
46	MP4B	X	4.27	4
47	MP4B	Z	0	4
48	MP4B	Mx	.001	4
49	MP4C	X	4.677	2
50	MP4C	Z	0	2
51	MP4C	Mx	.0008	2
52	MP4C	X	4.677	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	0	4
54	MP4C	Mx	.0008	4
55	MP2A	X	.549	4
56	MP2A	Z	0	4
57	MP2A	Mx	.000275	4
58	MP2B	X	.732	4
59	MP2B	Z	0	4
60	MP2B	Mx	-.000183	4
61	MP2C	X	.764	4
62	MP2C	Z	0	4
63	MP2C	Mx	-.000131	4
64	MP2A	X	2.679	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	3.675	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	-.000919	1.5
70	MP2C	X	3.852	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	-.000659	1.5
73	MP3A	X	2.17	3
74	MP3A	Z	0	3
75	MP3A	Mx	.001	3
76	MP3B	X	3.548	3
77	MP3B	Z	0	3
78	MP3B	Mx	-.000887	3
79	MP3C	X	3.792	3
80	MP3C	Z	0	3
81	MP3C	Mx	-.000648	3
82	M101	X	5.697	1
83	M101	Z	0	1
84	M101	Mx	0	1
85	MP1A	X	4.455	1.5
86	MP1A	Z	0	1.5
87	MP1A	Mx	-.002	1.5
88	MP1A	X	4.455	4.5
89	MP1A	Z	0	4.5
90	MP1A	Mx	-.002	4.5
91	MP1B	X	7.197	1.5
92	MP1B	Z	0	1.5
93	MP1B	Mx	.002	1.5
94	MP1B	X	7.197	4.5
95	MP1B	Z	0	4.5
96	MP1B	Mx	.002	4.5
97	MP1C	X	7.683	1.5
98	MP1C	Z	0	1.5
99	MP1C	Mx	.001	1.5
100	MP1C	X	7.683	4.5
101	MP1C	Z	0	4.5
102	MP1C	Mx	.001	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	6.277	.5
2	MP2A	Z	3.624	.5
3	MP2A	Mx	-.001	.5
4	MP2A	X	6.277	5.5
5	MP2A	Z	3.624	5.5
6	MP2A	Mx	-.001	5.5
7	MP2B	X	8.453	.5
8	MP2B	Z	4.881	.5
9	MP2B	Mx	-.006	.5
10	MP2B	X	8.453	5.5
11	MP2B	Z	4.881	5.5
12	MP2B	Mx	-.006	5.5
13	MP2C	X	6.751	.5
14	MP2C	Z	3.898	.5
15	MP2C	Mx	.006	.5
16	MP2C	X	6.751	5.5
17	MP2C	Z	3.898	5.5
18	MP2C	Mx	.006	5.5
19	MP2A	X	6.277	.5
20	MP2A	Z	3.624	.5
21	MP2A	Mx	-.005	.5
22	MP2A	X	6.277	5.5
23	MP2A	Z	3.624	5.5
24	MP2A	Mx	-.005	5.5
25	MP2B	X	8.453	.5
26	MP2B	Z	4.881	.5
27	MP2B	Mx	.006	.5
28	MP2B	X	8.453	5.5
29	MP2B	Z	4.881	5.5
30	MP2B	Mx	.006	5.5
31	MP2C	X	6.751	.5
32	MP2C	Z	3.898	.5
33	MP2C	Mx	6.3e-5	.5
34	MP2C	X	6.751	5.5
35	MP2C	Z	3.898	5.5
36	MP2C	Mx	6.3e-5	5.5
37	MP4A	X	2.371	2
38	MP4A	Z	1.369	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.371	4
41	MP4A	Z	1.369	4
42	MP4A	Mx	-.001	4
43	MP4B	X	4.361	2
44	MP4B	Z	2.518	2
45	MP4B	Mx	0	2
46	MP4B	X	4.361	4
47	MP4B	Z	2.518	4
48	MP4B	Mx	0	4
49	MP4C	X	2.804	2
50	MP4C	Z	1.619	2
51	MP4C	Mx	.001	2
52	MP4C	X	2.804	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	1.619	4
54	MP4C	Mx	.001	4
55	MP2A	X	.528	4
56	MP2A	Z	.305	4
57	MP2A	Mx	.000264	4
58	MP2B	X	.687	4
59	MP2B	Z	.396	4
60	MP2B	Mx	0	4
61	MP2C	X	.563	4
62	MP2C	Z	.325	4
63	MP2C	Mx	-.000249	4
64	MP2A	X	2.607	1.5
65	MP2A	Z	1.505	1.5
66	MP2A	Mx	.001	1.5
67	MP2B	X	3.47	1.5
68	MP2B	Z	2.004	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	2.795	1.5
71	MP2C	Z	1.614	1.5
72	MP2C	Mx	-.001	1.5
73	MP3A	X	2.277	3
74	MP3A	Z	1.315	3
75	MP3A	Mx	.001	3
76	MP3B	X	3.47	3
77	MP3B	Z	2.004	3
78	MP3B	Mx	0	3
79	MP3C	X	2.537	3
80	MP3C	Z	1.464	3
81	MP3C	Mx	-.001	3
82	M101	X	6.051	1
83	M101	Z	3.494	1
84	M101	Mx	0	1
85	MP1A	X	4.65	1.5
86	MP1A	Z	2.685	1.5
87	MP1A	Mx	-.002	1.5
88	MP1A	X	4.65	4.5
89	MP1A	Z	2.685	4.5
90	MP1A	Mx	-.002	4.5
91	MP1B	X	7.024	1.5
92	MP1B	Z	4.056	1.5
93	MP1B	Mx	0	1.5
94	MP1B	X	7.024	4.5
95	MP1B	Z	4.056	4.5
96	MP1B	Mx	0	4.5
97	MP1C	X	5.167	1.5
98	MP1C	Z	2.983	1.5
99	MP1C	Mx	.002	1.5
100	MP1C	X	5.167	4.5
101	MP1C	Z	2.983	4.5
102	MP1C	Mx	.002	4.5

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

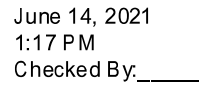
	Member Label	Direction	Magnitude [lb, k-ft]	Location [ft, %]
1	MP2A	X	4.462	.5
2	MP2A	Z	7.728	.5
3	MP2A	Mx	.002	.5
4	MP2A	X	4.462	5.5
5	MP2A	Z	7.728	5.5
6	MP2A	Mx	.002	5.5
7	MP2B	X	4.462	.5
8	MP2B	Z	7.728	.5
9	MP2B	Mx	-.007	.5
10	MP2B	X	4.462	5.5
11	MP2B	Z	7.728	5.5
12	MP2B	Mx	-.007	5.5
13	MP2C	X	3.256	.5
14	MP2C	Z	5.64	.5
15	MP2C	Mx	.004	.5
16	MP2C	X	3.256	5.5
17	MP2C	Z	5.64	5.5
18	MP2C	Mx	.004	5.5
19	MP2A	X	4.462	.5
20	MP2A	Z	7.728	.5
21	MP2A	Mx	-.007	.5
22	MP2A	X	4.462	5.5
23	MP2A	Z	7.728	5.5
24	MP2A	Mx	-.007	5.5
25	MP2B	X	4.462	.5
26	MP2B	Z	7.728	.5
27	MP2B	Mx	.002	.5
28	MP2B	X	4.462	5.5
29	MP2B	Z	7.728	5.5
30	MP2B	Mx	.002	5.5
31	MP2C	X	3.256	.5
32	MP2C	Z	5.64	.5
33	MP2C	Mx	.003	.5
34	MP2C	X	3.256	5.5
35	MP2C	Z	5.64	5.5
36	MP2C	Mx	.003	5.5
37	MP4A	X	2.135	2
38	MP4A	Z	3.698	2
39	MP4A	Mx	-.001	2
40	MP4A	X	2.135	4
41	MP4A	Z	3.698	4
42	MP4A	Mx	-.001	4
43	MP4B	X	2.135	2
44	MP4B	Z	3.698	2
45	MP4B	Mx	-.001	2
46	MP4B	X	2.135	4
47	MP4B	Z	3.698	4
48	MP4B	Mx	-.001	4
49	MP4C	X	1.032	2
50	MP4C	Z	1.787	2
51	MP4C	Mx	.001	2
52	MP4C	X	1.032	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	1.787	4
54	MP4C	Mx	.001	4
55	MP2A	X	.366	4
56	MP2A	Z	.634	4
57	MP2A	Mx	.000183	4
58	MP2B	X	.366	4
59	MP2B	Z	.634	4
60	MP2B	Mx	.000183	4
61	MP2C	X	.278	4
62	MP2C	Z	.481	4
63	MP2C	Mx	-.000274	4
64	MP2A	X	1.838	1.5
65	MP2A	Z	3.183	1.5
66	MP2A	Mx	.000919	1.5
67	MP2B	X	1.838	1.5
68	MP2B	Z	3.183	1.5
69	MP2B	Mx	.000919	1.5
70	MP2C	X	1.359	1.5
71	MP2C	Z	2.355	1.5
72	MP2C	Mx	-.001	1.5
73	MP3A	X	1.774	3
74	MP3A	Z	3.073	3
75	MP3A	Mx	.000887	3
76	MP3B	X	1.774	3
77	MP3B	Z	3.073	3
78	MP3B	Mx	.000887	3
79	MP3C	X	1.113	3
80	MP3C	Z	1.927	3
81	MP3C	Mx	-.001	3
82	M101	X	4.02	1
83	M101	Z	6.962	1
84	M101	Mx	0	1
85	MP1A	X	3.599	1.5
86	MP1A	Z	6.233	1.5
87	MP1A	Mx	-.002	1.5
88	MP1A	X	3.599	4.5
89	MP1A	Z	6.233	4.5
90	MP1A	Mx	-.002	4.5
91	MP1B	X	3.599	1.5
92	MP1B	Z	6.233	1.5
93	MP1B	Mx	-.002	1.5
94	MP1B	X	3.599	4.5
95	MP1B	Z	6.233	4.5
96	MP1B	Mx	-.002	4.5
97	MP1C	X	2.283	1.5
98	MP1C	Z	3.954	1.5
99	MP1C	Mx	.002	1.5
100	MP1C	X	2.283	4.5
101	MP1C	Z	3.954	4.5
102	MP1C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft, %]
1	MP2A	X	0	.5
2	MP2A	Z	9.761	.5
3	MP2A	Mx	.006	.5
4	MP2A	X	0	5.5
5	MP2A	Z	9.761	5.5
6	MP2A	Mx	.006	5.5
7	MP2B	X	0	.5
8	MP2B	Z	7.249	.5
9	MP2B	Mx	-.005	.5
10	MP2B	X	0	5.5
11	MP2B	Z	7.249	5.5
12	MP2B	Mx	-.005	5.5
13	MP2C	X	0	.5
14	MP2C	Z	6.803	.5
15	MP2C	Mx	.002	.5
16	MP2C	X	0	5.5
17	MP2C	Z	6.803	5.5
18	MP2C	Mx	.002	5.5
19	MP2A	X	0	.5
20	MP2A	Z	9.761	.5
21	MP2A	Mx	-.006	.5
22	MP2A	X	0	5.5
23	MP2A	Z	9.761	5.5
24	MP2A	Mx	-.006	5.5
25	MP2B	X	0	.5
26	MP2B	Z	7.249	.5
27	MP2B	Mx	-.001	.5
28	MP2B	X	0	5.5
29	MP2B	Z	7.249	5.5
30	MP2B	Mx	-.001	5.5
31	MP2C	X	0	.5
32	MP2C	Z	6.803	.5
33	MP2C	Mx	.005	.5
34	MP2C	X	0	5.5
35	MP2C	Z	6.803	5.5
36	MP2C	Mx	.005	5.5
37	MP4A	X	0	2
38	MP4A	Z	5.036	2
39	MP4A	Mx	0	2
40	MP4A	X	0	4
41	MP4A	Z	5.036	4
42	MP4A	Mx	0	4
43	MP4B	X	0	2
44	MP4B	Z	2.738	2
45	MP4B	Mx	-.001	2
46	MP4B	X	0	4
47	MP4B	Z	2.738	4
48	MP4B	Mx	-.001	4
49	MP4C	X	0	2
50	MP4C	Z	2.33	2
51	MP4C	Mx	.001	2
52	MP4C	X	0	4



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
53	MP4C	Z	2.33	4
54	MP4C	Mx	.001	4
55	MP2A	X	0	4
56	MP2A	Z	.793	4
57	MP2A	Mx	0	4
58	MP2B	X	0	4
59	MP2B	Z	.61	4
60	MP2B	Mx	.000264	4
61	MP2C	X	0	4
62	MP2C	Z	.577	4
63	MP2C	Mx	-.000271	4
64	MP2A	X	0	1.5
65	MP2A	Z	4.007	1.5
66	MP2A	Mx	0	1.5
67	MP2B	X	0	1.5
68	MP2B	Z	3.011	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	0	1.5
71	MP2C	Z	2.834	1.5
72	MP2C	Mx	-.001	1.5
73	MP3A	X	0	3
74	MP3A	Z	4.007	3
75	MP3A	Mx	0	3
76	MP3B	X	0	3
77	MP3B	Z	2.629	3
78	MP3B	Mx	.001	3
79	MP3C	X	0	3
80	MP3C	Z	2.385	3
81	MP3C	Mx	-.001	3
82	M101	X	0	1
83	M101	Z	7.801	1
84	M101	Mx	0	1
85	MP1A	X	0	1.5
86	MP1A	Z	8.111	1.5
87	MP1A	Mx	0	1.5
88	MP1A	X	0	4.5
89	MP1A	Z	8.111	4.5
90	MP1A	Mx	0	4.5
91	MP1B	X	0	1.5
92	MP1B	Z	5.369	1.5
93	MP1B	Mx	-.002	1.5
94	MP1B	X	0	4.5
95	MP1B	Z	5.369	4.5
96	MP1B	Mx	-.002	4.5
97	MP1C	X	0	1.5
98	MP1C	Z	4.883	1.5
99	MP1C	Mx	.002	1.5
100	MP1C	X	0	4.5
101	MP1C	Z	4.883	4.5
102	MP1C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.462	.5
2	MP2A	Z	7.728	.5
3	MP2A	Mx	.007	.5
4	MP2A	X	-4.462	5.5
5	MP2A	Z	7.728	5.5
6	MP2A	Mx	.007	5.5
7	MP2B	X	-3.206	.5
8	MP2B	Z	5.552	.5
9	MP2B	Mx	-.003	.5
10	MP2B	X	-3.206	5.5
11	MP2B	Z	5.552	5.5
12	MP2B	Mx	-.003	5.5
13	MP2C	X	-4.188	.5
14	MP2C	Z	7.255	.5
15	MP2C	Mx	-.001	.5
16	MP2C	X	-4.188	5.5
17	MP2C	Z	7.255	5.5
18	MP2C	Mx	-.001	5.5
19	MP2A	X	-4.462	.5
20	MP2A	Z	7.728	.5
21	MP2A	Mx	-.002	.5
22	MP2A	X	-4.462	5.5
23	MP2A	Z	7.728	5.5
24	MP2A	Mx	-.002	5.5
25	MP2B	X	-3.206	.5
26	MP2B	Z	5.552	.5
27	MP2B	Mx	-.003	.5
28	MP2B	X	-3.206	5.5
29	MP2B	Z	5.552	5.5
30	MP2B	Mx	-.003	5.5
31	MP2C	X	-4.188	.5
32	MP2C	Z	7.255	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	-4.188	5.5
35	MP2C	Z	7.255	5.5
36	MP2C	Mx	.006	5.5
37	MP4A	X	-2.135	2
38	MP4A	Z	3.698	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.135	4
41	MP4A	Z	3.698	4
42	MP4A	Mx	.001	4
43	MP4B	X	-.986	2
44	MP4B	Z	1.707	2
45	MP4B	Mx	-.000986	2
46	MP4B	X	-.986	4
47	MP4B	Z	1.707	4
48	MP4B	Mx	-.000986	4
49	MP4C	X	-1.885	2
50	MP4C	Z	3.265	2
51	MP4C	Mx	.001	2
52	MP4C	X	-1.885	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	3.265	4
54	MP4C	Mx	.001	4
55	MP2A	X	-.366	4
56	MP2A	Z	.634	4
57	MP2A	Mx	-.000183	4
58	MP2B	X	-.274	4
59	MP2B	Z	.475	4
60	MP2B	Mx	.000274	4
61	MP2C	X	-.346	4
62	MP2C	Z	.599	4
63	MP2C	Mx	-.000222	4
64	MP2A	X	-1.838	1.5
65	MP2A	Z	3.183	1.5
66	MP2A	Mx	-.000919	1.5
67	MP2B	X	-1.339	1.5
68	MP2B	Z	2.32	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	-1.729	1.5
71	MP2C	Z	2.995	1.5
72	MP2C	Mx	-.001	1.5
73	MP3A	X	-1.774	3
74	MP3A	Z	3.073	3
75	MP3A	Mx	-.000887	3
76	MP3B	X	-1.085	3
77	MP3B	Z	1.879	3
78	MP3B	Mx	.001	3
79	MP3C	X	-1.624	3
80	MP3C	Z	2.813	3
81	MP3C	Mx	-.001	3
82	M101	X	-3.255	1
83	M101	Z	5.638	1
84	M101	Mx	0	1
85	MP1A	X	-3.599	1.5
86	MP1A	Z	6.233	1.5
87	MP1A	Mx	.002	1.5
88	MP1A	X	-3.599	4.5
89	MP1A	Z	6.233	4.5
90	MP1A	Mx	.002	4.5
91	MP1B	X	-2.228	1.5
92	MP1B	Z	3.858	1.5
93	MP1B	Mx	-.002	1.5
94	MP1B	X	-2.228	4.5
95	MP1B	Z	3.858	4.5
96	MP1B	Mx	-.002	4.5
97	MP1C	X	-3.3	1.5
98	MP1C	Z	5.716	1.5
99	MP1C	Mx	.002	1.5
100	MP1C	X	-3.3	4.5
101	MP1C	Z	5.716	4.5
102	MP1C	Mx	.002	4.5

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

	Member Label	Direction	Magnitude [lb,k-ft]	Location [ft, %]
1	MP2A	X	-6.277	.5
2	MP2A	Z	3.624	.5
3	MP2A	Mx	.005	.5
4	MP2A	X	-6.277	5.5
5	MP2A	Z	3.624	5.5
6	MP2A	Mx	.005	5.5
7	MP2B	X	-6.277	.5
8	MP2B	Z	3.624	.5
9	MP2B	Mx	-.001	.5
10	MP2B	X	-6.277	5.5
11	MP2B	Z	3.624	5.5
12	MP2B	Mx	-.001	5.5
13	MP2C	X	-8.366	.5
14	MP2C	Z	4.83	.5
15	MP2C	Mx	-.005	.5
16	MP2C	X	-8.366	5.5
17	MP2C	Z	4.83	5.5
18	MP2C	Mx	-.005	5.5
19	MP2A	X	-6.277	.5
20	MP2A	Z	3.624	.5
21	MP2A	Mx	.001	.5
22	MP2A	X	-6.277	5.5
23	MP2A	Z	3.624	5.5
24	MP2A	Mx	.001	5.5
25	MP2B	X	-6.277	.5
26	MP2B	Z	3.624	.5
27	MP2B	Mx	-.005	.5
28	MP2B	X	-6.277	5.5
29	MP2B	Z	3.624	5.5
30	MP2B	Mx	-.005	5.5
31	MP2C	X	-8.366	.5
32	MP2C	Z	4.83	.5
33	MP2C	Mx	.006	.5
34	MP2C	X	-8.366	5.5
35	MP2C	Z	4.83	5.5
36	MP2C	Mx	.006	5.5
37	MP4A	X	-2.371	2
38	MP4A	Z	1.369	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.371	4
41	MP4A	Z	1.369	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.371	2
44	MP4B	Z	1.369	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-2.371	4
47	MP4B	Z	1.369	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-4.281	2
50	MP4C	Z	2.472	2
51	MP4C	Mx	.000429	2
52	MP4C	X	-4.281	4

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

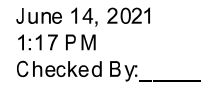
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	2.472	4
54	MP4C	Mx	.000429	4
55	MP2A	X	-.528	4
56	MP2A	Z	.305	4
57	MP2A	Mx	-.000264	4
58	MP2B	X	-.528	4
59	MP2B	Z	.305	4
60	MP2B	Mx	.000264	4
61	MP2C	X	-.68	4
62	MP2C	Z	.393	4
63	MP2C	Mx	-6.8e-5	4
64	MP2A	X	-2.607	1.5
65	MP2A	Z	1.505	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	-2.607	1.5
68	MP2B	Z	1.505	1.5
69	MP2B	Mx	.001	1.5
70	MP2C	X	-3.436	1.5
71	MP2C	Z	1.984	1.5
72	MP2C	Mx	-.000345	1.5
73	MP3A	X	-2.277	3
74	MP3A	Z	1.315	3
75	MP3A	Mx	-.001	3
76	MP3B	X	-2.277	3
77	MP3B	Z	1.315	3
78	MP3B	Mx	.001	3
79	MP3C	X	-3.422	3
80	MP3C	Z	1.976	3
81	MP3C	Mx	-.000343	3
82	M101	X	-4.727	1
83	M101	Z	2.729	1
84	M101	Mx	0	1
85	MP1A	X	-4.65	1.5
86	MP1A	Z	2.685	1.5
87	MP1A	Mx	.002	1.5
88	MP1A	X	-4.65	4.5
89	MP1A	Z	2.685	4.5
90	MP1A	Mx	.002	4.5
91	MP1B	X	-4.65	1.5
92	MP1B	Z	2.685	1.5
93	MP1B	Mx	-.002	1.5
94	MP1B	X	-4.65	4.5
95	MP1B	Z	2.685	4.5
96	MP1B	Mx	-.002	4.5
97	MP1C	X	-6.929	1.5
98	MP1C	Z	4	1.5
99	MP1C	Mx	.000694	1.5
100	MP1C	X	-6.929	4.5
101	MP1C	Z	4	4.5
102	MP1C	Mx	.000694	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-6.411	.5
2	MP2A	Z	0	.5
3	MP2A	Mx	.003	.5
4	MP2A	X	-6.411	5.5
5	MP2A	Z	0	5.5
6	MP2A	Mx	.003	5.5
7	MP2B	X	-8.924	.5
8	MP2B	Z	0	.5
9	MP2B	Mx	.002	.5
10	MP2B	X	-8.924	5.5
11	MP2B	Z	0	5.5
12	MP2B	Mx	.002	5.5
13	MP2C	X	-9.369	.5
14	MP2C	Z	0	.5
15	MP2C	Mx	-.007	.5
16	MP2C	X	-9.369	5.5
17	MP2C	Z	0	5.5
18	MP2C	Mx	-.007	5.5
19	MP2A	X	-6.411	.5
20	MP2A	Z	0	.5
21	MP2A	Mx	.003	.5
22	MP2A	X	-6.411	5.5
23	MP2A	Z	0	5.5
24	MP2A	Mx	.003	5.5
25	MP2B	X	-8.924	.5
26	MP2B	Z	0	.5
27	MP2B	Mx	-.007	.5
28	MP2B	X	-8.924	5.5
29	MP2B	Z	0	5.5
30	MP2B	Mx	-.007	5.5
31	MP2C	X	-9.369	.5
32	MP2C	Z	0	.5
33	MP2C	Mx	.004	.5
34	MP2C	X	-9.369	5.5
35	MP2C	Z	0	5.5
36	MP2C	Mx	.004	5.5
37	MP4A	X	-1.972	2
38	MP4A	Z	0	2
39	MP4A	Mx	.000986	2
40	MP4A	X	-1.972	4
41	MP4A	Z	0	4
42	MP4A	Mx	.000986	4
43	MP4B	X	-4.27	2
44	MP4B	Z	0	2
45	MP4B	Mx	-.001	2
46	MP4B	X	-4.27	4
47	MP4B	Z	0	4
48	MP4B	Mx	-.001	4
49	MP4C	X	-4.677	2
50	MP4C	Z	0	2
51	MP4C	Mx	-.0008	2
52	MP4C	X	-4.677	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	0	4
54	MP4C	Mx	-.0008	4
55	MP2A	X	-.549	4
56	MP2A	Z	0	4
57	MP2A	Mx	-.000275	4
58	MP2B	X	-.732	4
59	MP2B	Z	0	4
60	MP2B	Mx	.000183	4
61	MP2C	X	-.764	4
62	MP2C	Z	0	4
63	MP2C	Mx	.000131	4
64	MP2A	X	-2.679	1.5
65	MP2A	Z	0	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	-3.675	1.5
68	MP2B	Z	0	1.5
69	MP2B	Mx	.000919	1.5
70	MP2C	X	-3.852	1.5
71	MP2C	Z	0	1.5
72	MP2C	Mx	.000659	1.5
73	MP3A	X	-2.17	3
74	MP3A	Z	0	3
75	MP3A	Mx	-.001	3
76	MP3B	X	-3.548	3
77	MP3B	Z	0	3
78	MP3B	Mx	.000887	3
79	MP3C	X	-3.792	3
80	MP3C	Z	0	3
81	MP3C	Mx	.000648	3
82	M101	X	-5.697	1
83	M101	Z	0	1
84	M101	Mx	0	1
85	MP1A	X	-4.455	1.5
86	MP1A	Z	0	1.5
87	MP1A	Mx	.002	1.5
88	MP1A	X	-4.455	4.5
89	MP1A	Z	0	4.5
90	MP1A	Mx	.002	4.5
91	MP1B	X	-7.197	1.5
92	MP1B	Z	0	1.5
93	MP1B	Mx	-.002	1.5
94	MP1B	X	-7.197	4.5
95	MP1B	Z	0	4.5
96	MP1B	Mx	-.002	4.5
97	MP1C	X	-7.683	1.5
98	MP1C	Z	0	1.5
99	MP1C	Mx	-.001	1.5
100	MP1C	X	-7.683	4.5
101	MP1C	Z	0	4.5
102	MP1C	Mx	-.001	4.5



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft, %]
1	MP2A	X	-6.277	.5
2	MP2A	Z	-3.624	.5
3	MP2A	Mx	.001	.5
4	MP2A	X	-6.277	5.5
5	MP2A	Z	-3.624	5.5
6	MP2A	Mx	.001	5.5
7	MP2B	X	-8.453	.5
8	MP2B	Z	-4.881	.5
9	MP2B	Mx	.006	.5
10	MP2B	X	-8.453	5.5
11	MP2B	Z	-4.881	5.5
12	MP2B	Mx	.006	5.5
13	MP2C	X	-6.751	.5
14	MP2C	Z	-3.898	.5
15	MP2C	Mx	-.006	.5
16	MP2C	X	-6.751	5.5
17	MP2C	Z	-3.898	5.5
18	MP2C	Mx	-.006	5.5
19	MP2A	X	-6.277	.5
20	MP2A	Z	-3.624	.5
21	MP2A	Mx	.005	.5
22	MP2A	X	-6.277	5.5
23	MP2A	Z	-3.624	5.5
24	MP2A	Mx	.005	5.5
25	MP2B	X	-8.453	.5
26	MP2B	Z	-4.881	.5
27	MP2B	Mx	-.006	.5
28	MP2B	X	-8.453	5.5
29	MP2B	Z	-4.881	5.5
30	MP2B	Mx	-.006	5.5
31	MP2C	X	-6.751	.5
32	MP2C	Z	-3.898	.5
33	MP2C	Mx	-6.3e-5	.5
34	MP2C	X	-6.751	5.5
35	MP2C	Z	-3.898	5.5
36	MP2C	Mx	-6.3e-5	5.5
37	MP4A	X	-2.371	2
38	MP4A	Z	-1.369	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.371	4
41	MP4A	Z	-1.369	4
42	MP4A	Mx	.001	4
43	MP4B	X	-4.361	2
44	MP4B	Z	-2.518	2
45	MP4B	Mx	0	2
46	MP4B	X	-4.361	4
47	MP4B	Z	-2.518	4
48	MP4B	Mx	0	4
49	MP4C	X	-2.804	2
50	MP4C	Z	-1.619	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-2.804	4

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

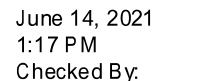
	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-1.619	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-.528	4
56	MP2A	Z	-.305	4
57	MP2A	Mx	-.000264	4
58	MP2B	X	-.687	4
59	MP2B	Z	-.396	4
60	MP2B	Mx	0	4
61	MP2C	X	-.563	4
62	MP2C	Z	-.325	4
63	MP2C	Mx	.000249	4
64	MP2A	X	-2.607	1.5
65	MP2A	Z	-1.505	1.5
66	MP2A	Mx	-.001	1.5
67	MP2B	X	-3.47	1.5
68	MP2B	Z	-2.004	1.5
69	MP2B	Mx	0	1.5
70	MP2C	X	-2.795	1.5
71	MP2C	Z	-1.614	1.5
72	MP2C	Mx	.001	1.5
73	MP3A	X	-2.277	3
74	MP3A	Z	-1.315	3
75	MP3A	Mx	-.001	3
76	MP3B	X	-3.47	3
77	MP3B	Z	-2.004	3
78	MP3B	Mx	0	3
79	MP3C	X	-2.537	3
80	MP3C	Z	-1.464	3
81	MP3C	Mx	.001	3
82	M101	X	-6.051	1
83	M101	Z	-3.494	1
84	M101	Mx	0	1
85	MP1A	X	-4.65	1.5
86	MP1A	Z	-2.685	1.5
87	MP1A	Mx	.002	1.5
88	MP1A	X	-4.65	4.5
89	MP1A	Z	-2.685	4.5
90	MP1A	Mx	.002	4.5
91	MP1B	X	-7.024	1.5
92	MP1B	Z	-4.056	1.5
93	MP1B	Mx	0	1.5
94	MP1B	X	-7.024	4.5
95	MP1B	Z	-4.056	4.5
96	MP1B	Mx	0	4.5
97	MP1C	X	-5.167	1.5
98	MP1C	Z	-2.983	1.5
99	MP1C	Mx	-.002	1.5
100	MP1C	X	-5.167	4.5
101	MP1C	Z	-2.983	4.5
102	MP1C	Mx	-.002	4.5

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft, %]
1	MP2A	X	-4.462	.5
2	MP2A	Z	-7.728	.5
3	MP2A	Mx	-.002	.5
4	MP2A	X	-4.462	5.5
5	MP2A	Z	-7.728	5.5
6	MP2A	Mx	-.002	5.5
7	MP2B	X	-4.462	.5
8	MP2B	Z	-7.728	.5
9	MP2B	Mx	.007	.5
10	MP2B	X	-4.462	5.5
11	MP2B	Z	-7.728	5.5
12	MP2B	Mx	.007	5.5
13	MP2C	X	-3.256	.5
14	MP2C	Z	-5.64	.5
15	MP2C	Mx	-.004	.5
16	MP2C	X	-3.256	5.5
17	MP2C	Z	-5.64	5.5
18	MP2C	Mx	-.004	5.5
19	MP2A	X	-4.462	.5
20	MP2A	Z	-7.728	.5
21	MP2A	Mx	.007	.5
22	MP2A	X	-4.462	5.5
23	MP2A	Z	-7.728	5.5
24	MP2A	Mx	.007	5.5
25	MP2B	X	-4.462	.5
26	MP2B	Z	-7.728	.5
27	MP2B	Mx	-.002	.5
28	MP2B	X	-4.462	5.5
29	MP2B	Z	-7.728	5.5
30	MP2B	Mx	-.002	5.5
31	MP2C	X	-3.256	.5
32	MP2C	Z	-5.64	.5
33	MP2C	Mx	-.003	.5
34	MP2C	X	-3.256	5.5
35	MP2C	Z	-5.64	5.5
36	MP2C	Mx	-.003	5.5
37	MP4A	X	-2.135	2
38	MP4A	Z	-3.698	2
39	MP4A	Mx	.001	2
40	MP4A	X	-2.135	4
41	MP4A	Z	-3.698	4
42	MP4A	Mx	.001	4
43	MP4B	X	-2.135	2
44	MP4B	Z	-3.698	2
45	MP4B	Mx	.001	2
46	MP4B	X	-2.135	4
47	MP4B	Z	-3.698	4
48	MP4B	Mx	.001	4
49	MP4C	X	-1.032	2
50	MP4C	Z	-1.787	2
51	MP4C	Mx	-.001	2
52	MP4C	X	-1.032	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP4C	Z	-1.787	4
54	MP4C	Mx	-.001	4
55	MP2A	X	-.366	4
56	MP2A	Z	-.634	4
57	MP2A	Mx	-.000183	4
58	MP2B	X	-.366	4
59	MP2B	Z	-.634	4
60	MP2B	Mx	-.000183	4
61	MP2C	X	-.278	4
62	MP2C	Z	-.481	4
63	MP2C	Mx	.000274	4
64	MP2A	X	-1.838	1.5
65	MP2A	Z	-3.183	1.5
66	MP2A	Mx	-.000919	1.5
67	MP2B	X	-1.838	1.5
68	MP2B	Z	-3.183	1.5
69	MP2B	Mx	-.000919	1.5
70	MP2C	X	-1.359	1.5
71	MP2C	Z	-2.355	1.5
72	MP2C	Mx	.001	1.5
73	MP3A	X	-1.774	3
74	MP3A	Z	-3.073	3
75	MP3A	Mx	-.000887	3
76	MP3B	X	-1.774	3
77	MP3B	Z	-3.073	3
78	MP3B	Mx	-.000887	3
79	MP3C	X	-1.113	3
80	MP3C	Z	-1.927	3
81	MP3C	Mx	.001	3
82	M101	X	-4.02	1
83	M101	Z	-6.962	1
84	M101	Mx	0	1
85	MP1A	X	-3.599	1.5
86	MP1A	Z	-6.233	1.5
87	MP1A	Mx	.002	1.5
88	MP1A	X	-3.599	4.5
89	MP1A	Z	-6.233	4.5
90	MP1A	Mx	.002	4.5
91	MP1B	X	-3.599	1.5
92	MP1B	Z	-6.233	1.5
93	MP1B	Mx	.002	1.5
94	MP1B	X	-3.599	4.5
95	MP1B	Z	-6.233	4.5
96	MP1B	Mx	.002	4.5
97	MP1C	X	-2.283	1.5
98	MP1C	Z	-3.954	1.5
99	MP1C	Mx	-.002	1.5
100	MP1C	X	-2.283	4.5
101	MP1C	Z	-3.954	4.5
102	MP1C	Mx	-.002	4.5



	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M21	Y	-500	0

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M20	Y	-500	0

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

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	Y	-6.591	-6.591	0	%100
2	M4	Y	-9.642	-9.642	0	%100
3	M10	Y	-9.642	-9.642	0	%100
4	MP3A	Y	-4.999	-4.999	0	%100
5	MP4A	Y	-4.999	-4.999	0	%100
6	MP2A	Y	-5.706	-5.706	0	%100
7	MP1A	Y	-4.999	-4.999	0	%100
8	M43	Y	-9.642	-9.642	0	%100
9	M46	Y	-10.157	-10.157	0	%100
10	M51B	Y	-5.64	-5.64	0	%100
11	M52B	Y	-5.64	-5.64	0	%100
12	M76	Y	-10.144	-10.144	0	%100
13	M77	Y	-10.144	-10.144	0	%100
14	M80	Y	-10.157	-10.157	0	%100
15	M84	Y	-10.144	-10.144	0	%100
16	M85	Y	-10.144	-10.144	0	%100
17	M91	Y	-10.157	-10.157	0	%100
18	M34	Y	-6.591	-6.591	0	%100
19	M35	Y	-6.591	-6.591	0	%100
20	M36	Y	-9.642	-9.642	0	%100
21	M37	Y	-9.642	-9.642	0	%100
22	M38	Y	-9.642	-9.642	0	%100
23	M39	Y	-10.157	-10.157	0	%100
24	M42	Y	-5.64	-5.64	0	%100
25	M43A	Y	-5.64	-5.64	0	%100
26	M47	Y	-10.144	-10.144	0	%100
27	M48	Y	-10.144	-10.144	0	%100
28	M50A	Y	-10.157	-10.157	0	%100
29	M52A	Y	-10.144	-10.144	0	%100
30	M53	Y	-10.144	-10.144	0	%100
31	M55	Y	-10.157	-10.157	0	%100
32	M60	Y	-9.642	-9.642	0	%100
33	M61	Y	-9.642	-9.642	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,%]
34	M62	Y	-9.642	-9.642	0	%100
35	M63	Y	-10.157	-10.157	0	%100
36	M66	Y	-5.64	-5.64	0	%100
37	M67	Y	-5.64	-5.64	0	%100
38	M71	Y	-10.144	-10.144	0	%100
39	M72	Y	-10.144	-10.144	0	%100
40	M74	Y	-10.157	-10.157	0	%100
41	M76A	Y	-10.144	-10.144	0	%100
42	M77A	Y	-10.144	-10.144	0	%100
43	M79A	Y	-10.157	-10.157	0	%100
44	MP3C	Y	-4.999	-4.999	0	%100
45	MP4C	Y	-4.999	-4.999	0	%100
46	MP2C	Y	-5.706	-5.706	0	%100
47	MP1C	Y	-4.999	-4.999	0	%100
48	MP3B	Y	-4.999	-4.999	0	%100
49	MP4B	Y	-4.999	-4.999	0	%100
50	MP2B	Y	-5.706	-5.706	0	%100
51	MP1B	Y	-4.999	-4.999	0	%100
52	M101	Y	-4.999	-4.999	0	%100
53	M102	Y	-6.591	-6.591	0	%100
54	M107	Y	-6.591	-6.591	0	%100
55	M112	Y	-6.591	-6.591	0	%100
56	M119	Y	-7.641	-7.641	0	%100
57	M122	Y	-7.641	-7.641	0	%100
58	M125	Y	-7.641	-7.641	0	%100
59	M126	Y	-10.658	-10.658	0	%100
60	M127	Y	-10.658	-10.658	0	%100
61	M128	Y	-10.658	-10.658	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	-12.201	-12.201	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-11.398	-11.398	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-8.28	-8.28	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-8.28	-8.28	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-10.023	-10.023	0	%100
13	MP 1A	X	0	0	0	%100
14	MP 1A	Z	-8.28	-8.28	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-11.398	-11.398	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-20.917	-20.917	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	-2.807	-2.807	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,%]
21	M52B	X	0	0	0	%100
22	M52B	Z	-2.807	-2.807	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-5.326	-5.326	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-5.61	-5.61	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-5.326	-5.326	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-5.61	-5.61	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-3.05	-3.05	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-3.05	-3.05	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-10.185	-10.185	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-2.849	-2.849	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	-2.849	-2.849	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	-5.229	-5.229	0	%100
47	M42	X	0	0	0	%100
48	M42	Z	-3.005	-3.005	0	%100
49	M43A	X	0	0	0	%100
50	M43A	Z	-11.619	-11.619	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-15.688	-15.688	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-5.326	-5.326	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	-5.61	-5.61	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	-15.688	-15.688	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-21.304	-21.304	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	-22.439	-22.439	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	-10.185	-10.185	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-2.849	-2.849	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-2.849	-2.849	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	-5.229	-5.229	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	-11.619	-11.619	0	%100

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

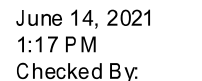
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M67	X	0	0	0	%100
74	M67	Z	-3.005	-3.005	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-15.688	-15.688	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	-21.304	-21.304	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	-22.439	-22.439	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	-15.688	-15.688	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	-5.326	-5.326	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	-5.61	-5.61	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-8.28	-8.28	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-8.28	-8.28	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-10.023	-10.023	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-8.28	-8.28	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-8.28	-8.28	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-8.28	-8.28	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-10.023	-10.023	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-8.28	-8.28	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-6.77	-6.77	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-12.201	-12.201	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-3.05	-3.05	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-3.05	-3.05	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	-11.261	-11.261	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	-2.815	-2.815	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-2.815	-2.815	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-10.715	-10.715	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-13.708	-13.708	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-13.708	-13.708	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.576	4.576	0	%100
2	M1	Z	-7.925	-7.925	0	%100
3	M4	X	1.697	1.697	0	%100
4	M4	Z	-2.94	-2.94	0	%100
5	M10	X	4.274	4.274	0	%100
6	M10	Z	-7.403	-7.403	0	%100
7	MP3A	X	4.14	4.14	0	%100
8	MP3A	Z	-7.17	-7.17	0	%100
9	MP4A	X	4.14	4.14	0	%100
10	MP4A	Z	-7.17	-7.17	0	%100
11	MP2A	X	5.011	5.011	0	%100
12	MP2A	Z	-8.68	-8.68	0	%100
13	MP1A	X	4.14	4.14	0	%100
14	MP1A	Z	-7.17	-7.17	0	%100
15	M43	X	4.274	4.274	0	%100
16	M43	Z	-7.403	-7.403	0	%100
17	M46	X	7.844	7.844	0	%100
18	M46	Z	-13.586	-13.586	0	%100
19	M51B	X	4.308	4.308	0	%100
20	M51B	Z	-7.461	-7.461	0	%100
21	M52B	X	.000563	.000563	0	%100
22	M52B	Z	-.000975	-.000975	0	%100
23	M76	X	2.615	2.615	0	%100
24	M76	Z	-4.529	-4.529	0	%100
25	M77	X	7.989	7.989	0	%100
26	M77	Z	-13.837	-13.837	0	%100
27	M80	X	8.415	8.415	0	%100
28	M80	Z	-14.575	-14.575	0	%100
29	M84	X	2.615	2.615	0	%100
30	M84	Z	-4.529	-4.529	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	4.576	4.576	0	%100
36	M34	Z	-7.925	-7.925	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	1.697	1.697	0	%100
40	M36	Z	-2.94	-2.94	0	%100
41	M37	X	4.274	4.274	0	%100
42	M37	Z	-7.403	-7.403	0	%100
43	M38	X	4.274	4.274	0	%100
44	M38	Z	-7.403	-7.403	0	%100
45	M39	X	7.844	7.844	0	%100
46	M39	Z	-13.586	-13.586	0	%100
47	M42	X	.000563	.000563	0	%100
48	M42	Z	-.000975	-.000975	0	%100
49	M43A	X	4.308	4.308	0	%100
50	M43A	Z	-7.461	-7.461	0	%100
51	M47	X	2.615	2.615	0	%100
52	M47	Z	-4.529	-4.529	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	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	2.615	2.615	0	%100
58	M52A	Z	-4.529	-4.529	0	%100
59	M53	X	7.989	7.989	0	%100
60	M53	Z	-13.837	-13.837	0	%100
61	M55	X	8.415	8.415	0	%100
62	M55	Z	-14.575	-14.575	0	%100
63	M60	X	6.79	6.79	0	%100
64	M60	Z	-11.76	-11.76	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	4.407	4.407	0	%100
72	M66	Z	-7.633	-7.633	0	%100
73	M67	X	4.407	4.407	0	%100
74	M67	Z	-7.633	-7.633	0	%100
75	M71	X	10.458	10.458	0	%100
76	M71	Z	-18.114	-18.114	0	%100
77	M72	X	7.989	7.989	0	%100
78	M72	Z	-13.837	-13.837	0	%100
79	M74	X	8.415	8.415	0	%100
80	M74	Z	-14.575	-14.575	0	%100
81	M76A	X	10.458	10.458	0	%100
82	M76A	Z	-18.114	-18.114	0	%100
83	M77A	X	7.989	7.989	0	%100
84	M77A	Z	-13.837	-13.837	0	%100
85	M79A	X	8.415	8.415	0	%100
86	M79A	Z	-14.575	-14.575	0	%100
87	MP3C	X	4.14	4.14	0	%100
88	MP3C	Z	-7.17	-7.17	0	%100
89	MP4C	X	4.14	4.14	0	%100
90	MP4C	Z	-7.17	-7.17	0	%100
91	MP2C	X	5.011	5.011	0	%100
92	MP2C	Z	-8.68	-8.68	0	%100
93	MP1C	X	4.14	4.14	0	%100
94	MP1C	Z	-7.17	-7.17	0	%100
95	MP3B	X	4.14	4.14	0	%100
96	MP3B	Z	-7.17	-7.17	0	%100
97	MP4B	X	4.14	4.14	0	%100
98	MP4B	Z	-7.17	-7.17	0	%100
99	MP2B	X	5.011	5.011	0	%100
100	MP2B	Z	-8.68	-8.68	0	%100
101	MP1B	X	4.14	4.14	0	%100
102	MP1B	Z	-7.17	-7.17	0	%100
103	M101	X	3.385	3.385	0	%100
104	M101	Z	-5.863	-5.863	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
105	M102	X	4.576	4.576	0	%100
106	M102	Z	-7.925	-7.925	0	%100
107	M107	X	4.576	4.576	0	%100
108	M107	Z	-7.925	-7.925	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	4.223	4.223	0	%100
112	M119	Z	-7.314	-7.314	0	%100
113	M122	X	4.223	4.223	0	%100
114	M122	Z	-7.314	-7.314	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	5.856	5.856	0	%100
118	M126	Z	-10.143	-10.143	0	%100
119	M127	X	5.856	5.856	0	%100
120	M127	Z	-10.143	-10.143	0	%100
121	M128	X	7.353	7.353	0	%100
122	M128	Z	-12.736	-12.736	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.642	2.642	0	%100
2	M1	Z	-1.525	-1.525	0	%100
3	M4	X	8.82	8.82	0	%100
4	M4	Z	-5.092	-5.092	0	%100
5	M10	X	2.468	2.468	0	%100
6	M10	Z	-1.425	-1.425	0	%100
7	MP3A	X	7.17	7.17	0	%100
8	MP3A	Z	-4.14	-4.14	0	%100
9	MP4A	X	7.17	7.17	0	%100
10	MP4A	Z	-4.14	-4.14	0	%100
11	MP2A	X	8.68	8.68	0	%100
12	MP2A	Z	-5.011	-5.011	0	%100
13	MP1A	X	7.17	7.17	0	%100
14	MP1A	Z	-4.14	-4.14	0	%100
15	M43	X	2.468	2.468	0	%100
16	M43	Z	-1.425	-1.425	0	%100
17	M46	X	4.529	4.529	0	%100
18	M46	Z	-2.615	-2.615	0	%100
19	M51B	X	10.063	10.063	0	%100
20	M51B	Z	-5.81	-5.81	0	%100
21	M52B	X	2.602	2.602	0	%100
22	M52B	Z	-1.502	-1.502	0	%100
23	M76	X	13.586	13.586	0	%100
24	M76	Z	-7.844	-7.844	0	%100
25	M77	X	18.45	18.45	0	%100
26	M77	Z	-10.652	-10.652	0	%100
27	M80	X	19.433	19.433	0	%100
28	M80	Z	-11.22	-11.22	0	%100
29	M84	X	13.586	13.586	0	%100
30	M84	Z	-7.844	-7.844	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,%]
31	M85	X	4.612	4.612	0	%100
32	M85	Z	-2.663	-2.663	0	%100
33	M91	X	4.858	4.858	0	%100
34	M91	Z	-2.805	-2.805	0	%100
35	M34	X	10.567	10.567	0	%100
36	M34	Z	-6.101	-6.101	0	%100
37	M35	X	2.642	2.642	0	%100
38	M35	Z	-1.525	-1.525	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	9.871	9.871	0	%100
42	M37	Z	-5.699	-5.699	0	%100
43	M38	X	9.871	9.871	0	%100
44	M38	Z	-5.699	-5.699	0	%100
45	M39	X	18.114	18.114	0	%100
46	M39	Z	-10.458	-10.458	0	%100
47	M42	X	2.431	2.431	0	%100
48	M42	Z	-1.403	-1.403	0	%100
49	M43A	X	2.431	2.431	0	%100
50	M43A	Z	-1.403	-1.403	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	4.612	4.612	0	%100
54	M48	Z	-2.663	-2.663	0	%100
55	M50A	X	4.858	4.858	0	%100
56	M50A	Z	-2.805	-2.805	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	4.612	4.612	0	%100
60	M53	Z	-2.663	-2.663	0	%100
61	M55	X	4.858	4.858	0	%100
62	M55	Z	-2.805	-2.805	0	%100
63	M60	X	8.82	8.82	0	%100
64	M60	Z	-5.092	-5.092	0	%100
65	M61	X	2.468	2.468	0	%100
66	M61	Z	-1.425	-1.425	0	%100
67	M62	X	2.468	2.468	0	%100
68	M62	Z	-1.425	-1.425	0	%100
69	M63	X	4.529	4.529	0	%100
70	M63	Z	-2.615	-2.615	0	%100
71	M66	X	2.602	2.602	0	%100
72	M66	Z	-1.502	-1.502	0	%100
73	M67	X	10.063	10.063	0	%100
74	M67	Z	-5.81	-5.81	0	%100
75	M71	X	13.586	13.586	0	%100
76	M71	Z	-7.844	-7.844	0	%100
77	M72	X	4.612	4.612	0	%100
78	M72	Z	-2.663	-2.663	0	%100
79	M74	X	4.858	4.858	0	%100
80	M74	Z	-2.805	-2.805	0	%100
81	M76A	X	13.586	13.586	0	%100
82	M76A	Z	-7.844	-7.844	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,%]
83	M77A	X	18.45	18.45	0	%100
84	M77A	Z	-10.652	-10.652	0	%100
85	M79A	X	19.433	19.433	0	%100
86	M79A	Z	-11.22	-11.22	0	%100
87	MP3C	X	7.17	7.17	0	%100
88	MP3C	Z	-4.14	-4.14	0	%100
89	MP4C	X	7.17	7.17	0	%100
90	MP4C	Z	-4.14	-4.14	0	%100
91	MP2C	X	8.68	8.68	0	%100
92	MP2C	Z	-5.011	-5.011	0	%100
93	MP1C	X	7.17	7.17	0	%100
94	MP1C	Z	-4.14	-4.14	0	%100
95	MP3B	X	7.17	7.17	0	%100
96	MP3B	Z	-4.14	-4.14	0	%100
97	MP4B	X	7.17	7.17	0	%100
98	MP4B	Z	-4.14	-4.14	0	%100
99	MP2B	X	8.68	8.68	0	%100
100	MP2B	Z	-5.011	-5.011	0	%100
101	MP1B	X	7.17	7.17	0	%100
102	MP1B	Z	-4.14	-4.14	0	%100
103	M101	X	5.863	5.863	0	%100
104	M101	Z	-3.385	-3.385	0	%100
105	M102	X	2.642	2.642	0	%100
106	M102	Z	-1.525	-1.525	0	%100
107	M107	X	10.567	10.567	0	%100
108	M107	Z	-6.101	-6.101	0	%100
109	M112	X	2.642	2.642	0	%100
110	M112	Z	-1.525	-1.525	0	%100
111	M119	X	2.438	2.438	0	%100
112	M119	Z	-1.408	-1.408	0	%100
113	M122	X	9.753	9.753	0	%100
114	M122	Z	-5.631	-5.631	0	%100
115	M125	X	2.438	2.438	0	%100
116	M125	Z	-1.408	-1.408	0	%100
117	M126	X	11.872	11.872	0	%100
118	M126	Z	-6.854	-6.854	0	%100
119	M127	X	9.279	9.279	0	%100
120	M127	Z	-5.357	-5.357	0	%100
121	M128	X	11.872	11.872	0	%100
122	M128	Z	-6.854	-6.854	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	13.58	13.58	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	8.28	8.28	0	%100
8	MP3A	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,%]
9	MP4A	X	8.28	8.28	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	10.023	10.023	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	8.28	8.28	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	8.814	8.814	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	8.814	8.814	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	20.917	20.917	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	15.978	15.978	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	16.829	16.829	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	20.917	20.917	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	15.978	15.978	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	16.829	16.829	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	9.151	9.151	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	9.151	9.151	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	3.395	3.395	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	8.548	8.548	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	8.548	8.548	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	15.688	15.688	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	8.616	8.616	0	%100
48	M42	Z	0	0	0	%100
49	M43A	X	.001	.001	0	%100
50	M43A	Z	0	0	0	%100
51	M47	X	5.229	5.229	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	15.978	15.978	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	16.829	16.829	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	5.229	5.229	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	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,%]
61	M55	X	0	0	0	%100
62	M55	Z	0	0	0	%100
63	M60	X	3.395	3.395	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	8.548	8.548	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	8.548	8.548	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	15.688	15.688	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	.001	.001	0	%100
72	M66	Z	0	0	0	%100
73	M67	X	8.616	8.616	0	%100
74	M67	Z	0	0	0	%100
75	M71	X	5.229	5.229	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	0	0	0	%100
81	M76A	X	5.229	5.229	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	15.978	15.978	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	16.829	16.829	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	8.28	8.28	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	8.28	8.28	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	10.023	10.023	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	8.28	8.28	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	8.28	8.28	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	8.28	8.28	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	10.023	10.023	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	8.28	8.28	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	6.77	6.77	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	9.151	9.151	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	9.151	9.151	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	0	0	0	%100
112	M119	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,%]
113	M122	X	8.446	8.446	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	8.446	8.446	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	14.706	14.706	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	11.713	11.713	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	11.713	11.713	0	%100
122	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	2.642	2.642	0	%100
2	M1	Z	1.525	1.525	0	%100
3	M4	X	8.82	8.82	0	%100
4	M4	Z	5.092	5.092	0	%100
5	M10	X	2.468	2.468	0	%100
6	M10	Z	1.425	1.425	0	%100
7	MP3A	X	7.17	7.17	0	%100
8	MP3A	Z	4.14	4.14	0	%100
9	MP4A	X	7.17	7.17	0	%100
10	MP4A	Z	4.14	4.14	0	%100
11	MP2A	X	8.68	8.68	0	%100
12	MP2A	Z	5.011	5.011	0	%100
13	MP1A	X	7.17	7.17	0	%100
14	MP1A	Z	4.14	4.14	0	%100
15	M43	X	2.468	2.468	0	%100
16	M43	Z	1.425	1.425	0	%100
17	M46	X	4.529	4.529	0	%100
18	M46	Z	2.615	2.615	0	%100
19	M51B	X	2.602	2.602	0	%100
20	M51B	Z	1.502	1.502	0	%100
21	M52B	X	10.063	10.063	0	%100
22	M52B	Z	5.81	5.81	0	%100
23	M76	X	13.586	13.586	0	%100
24	M76	Z	7.844	7.844	0	%100
25	M77	X	4.612	4.612	0	%100
26	M77	Z	2.663	2.663	0	%100
27	M80	X	4.858	4.858	0	%100
28	M80	Z	2.805	2.805	0	%100
29	M84	X	13.586	13.586	0	%100
30	M84	Z	7.844	7.844	0	%100
31	M85	X	18.45	18.45	0	%100
32	M85	Z	10.652	10.652	0	%100
33	M91	X	19.433	19.433	0	%100
34	M91	Z	11.22	11.22	0	%100
35	M34	X	2.642	2.642	0	%100
36	M34	Z	1.525	1.525	0	%100
37	M35	X	10.567	10.567	0	%100
38	M35	Z	6.101	6.101	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,%]
39	M36	X	8.82	8.82	0	%100
40	M36	Z	5.092	5.092	0	%100
41	M37	X	2.468	2.468	0	%100
42	M37	Z	1.425	1.425	0	%100
43	M38	X	2.468	2.468	0	%100
44	M38	Z	1.425	1.425	0	%100
45	M39	X	4.529	4.529	0	%100
46	M39	Z	2.615	2.615	0	%100
47	M42	X	10.063	10.063	0	%100
48	M42	Z	5.81	5.81	0	%100
49	M43A	X	2.602	2.602	0	%100
50	M43A	Z	1.502	1.502	0	%100
51	M47	X	13.586	13.586	0	%100
52	M47	Z	7.844	7.844	0	%100
53	M48	X	18.45	18.45	0	%100
54	M48	Z	10.652	10.652	0	%100
55	M50A	X	19.433	19.433	0	%100
56	M50A	Z	11.22	11.22	0	%100
57	M52A	X	13.586	13.586	0	%100
58	M52A	Z	7.844	7.844	0	%100
59	M53	X	4.612	4.612	0	%100
60	M53	Z	2.663	2.663	0	%100
61	M55	X	4.858	4.858	0	%100
62	M55	Z	2.805	2.805	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	9.871	9.871	0	%100
66	M61	Z	5.699	5.699	0	%100
67	M62	X	9.871	9.871	0	%100
68	M62	Z	5.699	5.699	0	%100
69	M63	X	18.114	18.114	0	%100
70	M63	Z	10.458	10.458	0	%100
71	M66	X	2.431	2.431	0	%100
72	M66	Z	1.403	1.403	0	%100
73	M67	X	2.431	2.431	0	%100
74	M67	Z	1.403	1.403	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	4.612	4.612	0	%100
78	M72	Z	2.663	2.663	0	%100
79	M74	X	4.858	4.858	0	%100
80	M74	Z	2.805	2.805	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	4.612	4.612	0	%100
84	M77A	Z	2.663	2.663	0	%100
85	M79A	X	4.858	4.858	0	%100
86	M79A	Z	2.805	2.805	0	%100
87	MP3C	X	7.17	7.17	0	%100
88	MP3C	Z	4.14	4.14	0	%100
89	MP4C	X	7.17	7.17	0	%100
90	MP4C	Z	4.14	4.14	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,%]
91	MP2C	X	8.68	8.68	0	%100
92	MP2C	Z	5.011	5.011	0	%100
93	MP1C	X	7.17	7.17	0	%100
94	MP1C	Z	4.14	4.14	0	%100
95	MP3B	X	7.17	7.17	0	%100
96	MP3B	Z	4.14	4.14	0	%100
97	MP4B	X	7.17	7.17	0	%100
98	MP4B	Z	4.14	4.14	0	%100
99	MP2B	X	8.68	8.68	0	%100
100	MP2B	Z	5.011	5.011	0	%100
101	MP1B	X	7.17	7.17	0	%100
102	MP1B	Z	4.14	4.14	0	%100
103	M101	X	5.863	5.863	0	%100
104	M101	Z	3.385	3.385	0	%100
105	M102	X	2.642	2.642	0	%100
106	M102	Z	1.525	1.525	0	%100
107	M107	X	2.642	2.642	0	%100
108	M107	Z	1.525	1.525	0	%100
109	M112	X	10.567	10.567	0	%100
110	M112	Z	6.101	6.101	0	%100
111	M119	X	2.438	2.438	0	%100
112	M119	Z	1.408	1.408	0	%100
113	M122	X	2.438	2.438	0	%100
114	M122	Z	1.408	1.408	0	%100
115	M125	X	9.753	9.753	0	%100
116	M125	Z	5.631	5.631	0	%100
117	M126	X	11.872	11.872	0	%100
118	M126	Z	6.854	6.854	0	%100
119	M127	X	11.872	11.872	0	%100
120	M127	Z	6.854	6.854	0	%100
121	M128	X	9.279	9.279	0	%100
122	M128	Z	5.357	5.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	4.576	4.576	0	%100
2	M1	Z	7.925	7.925	0	%100
3	M4	X	1.697	1.697	0	%100
4	M4	Z	2.94	2.94	0	%100
5	M10	X	4.274	4.274	0	%100
6	M10	Z	7.403	7.403	0	%100
7	MP3A	X	4.14	4.14	0	%100
8	MP3A	Z	7.17	7.17	0	%100
9	MP4A	X	4.14	4.14	0	%100
10	MP4A	Z	7.17	7.17	0	%100
11	MP2A	X	5.011	5.011	0	%100
12	MP2A	Z	8.68	8.68	0	%100
13	MP1A	X	4.14	4.14	0	%100
14	MP1A	Z	7.17	7.17	0	%100
15	M43	X	4.274	4.274	0	%100
16	M43	Z	7.403	7.403	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,%]
17	M46	X	7.844	7.844	0	%100
18	M46	Z	13.586	13.586	0	%100
19	M51B	X	.000563	.000563	0	%100
20	M51B	Z	.000975	.000975	0	%100
21	M52B	X	4.308	4.308	0	%100
22	M52B	Z	7.461	7.461	0	%100
23	M76	X	2.615	2.615	0	%100
24	M76	Z	4.529	4.529	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	2.615	2.615	0	%100
30	M84	Z	4.529	4.529	0	%100
31	M85	X	7.989	7.989	0	%100
32	M85	Z	13.837	13.837	0	%100
33	M91	X	8.415	8.415	0	%100
34	M91	Z	14.575	14.575	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	4.576	4.576	0	%100
38	M35	Z	7.925	7.925	0	%100
39	M36	X	6.79	6.79	0	%100
40	M36	Z	11.76	11.76	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	4.407	4.407	0	%100
48	M42	Z	7.633	7.633	0	%100
49	M43A	X	4.407	4.407	0	%100
50	M43A	Z	7.633	7.633	0	%100
51	M47	X	10.458	10.458	0	%100
52	M47	Z	18.114	18.114	0	%100
53	M48	X	7.989	7.989	0	%100
54	M48	Z	13.837	13.837	0	%100
55	M50A	X	8.415	8.415	0	%100
56	M50A	Z	14.575	14.575	0	%100
57	M52A	X	10.458	10.458	0	%100
58	M52A	Z	18.114	18.114	0	%100
59	M53	X	7.989	7.989	0	%100
60	M53	Z	13.837	13.837	0	%100
61	M55	X	8.415	8.415	0	%100
62	M55	Z	14.575	14.575	0	%100
63	M60	X	1.697	1.697	0	%100
64	M60	Z	2.94	2.94	0	%100
65	M61	X	4.274	4.274	0	%100
66	M61	Z	7.403	7.403	0	%100
67	M62	X	4.274	4.274	0	%100
68	M62	Z	7.403	7.403	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, %]
69	M63	X	7.844	7.844	0	%100
70	M63	Z	13.586	13.586	0	%100
71	M66	X	4.308	4.308	0	%100
72	M66	Z	7.461	7.461	0	%100
73	M67	X	.000563	.000563	0	%100
74	M67	Z	.000975	.000975	0	%100
75	M71	X	2.615	2.615	0	%100
76	M71	Z	4.529	4.529	0	%100
77	M72	X	7.989	7.989	0	%100
78	M72	Z	13.837	13.837	0	%100
79	M74	X	8.415	8.415	0	%100
80	M74	Z	14.575	14.575	0	%100
81	M76A	X	2.615	2.615	0	%100
82	M76A	Z	4.529	4.529	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	4.14	4.14	0	%100
88	MP3C	Z	7.17	7.17	0	%100
89	MP4C	X	4.14	4.14	0	%100
90	MP4C	Z	7.17	7.17	0	%100
91	MP2C	X	5.011	5.011	0	%100
92	MP2C	Z	8.68	8.68	0	%100
93	MP1C	X	4.14	4.14	0	%100
94	MP1C	Z	7.17	7.17	0	%100
95	MP3B	X	4.14	4.14	0	%100
96	MP3B	Z	7.17	7.17	0	%100
97	MP4B	X	4.14	4.14	0	%100
98	MP4B	Z	7.17	7.17	0	%100
99	MP2B	X	5.011	5.011	0	%100
100	MP2B	Z	8.68	8.68	0	%100
101	MP1B	X	4.14	4.14	0	%100
102	MP1B	Z	7.17	7.17	0	%100
103	M101	X	3.385	3.385	0	%100
104	M101	Z	5.863	5.863	0	%100
105	M102	X	4.576	4.576	0	%100
106	M102	Z	7.925	7.925	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	4.576	4.576	0	%100
110	M112	Z	7.925	7.925	0	%100
111	M119	X	4.223	4.223	0	%100
112	M119	Z	7.314	7.314	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	4.223	4.223	0	%100
116	M125	Z	7.314	7.314	0	%100
117	M126	X	5.856	5.856	0	%100
118	M126	Z	10.143	10.143	0	%100
119	M127	X	7.353	7.353	0	%100
120	M127	Z	12.736	12.736	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,%]
121	M128	X	5.856	5.856	0	% 100
122	M128	Z	10.143	10.143	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	12.201	12.201	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	11.398	11.398	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	8.28	8.28	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	8.28	8.28	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	10.023	10.023	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	8.28	8.28	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	11.398	11.398	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	20.917	20.917	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	2.807	2.807	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	2.807	2.807	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	5.326	5.326	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	5.61	5.61	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	5.326	5.326	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	5.61	5.61	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	3.05	3.05	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	3.05	3.05	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	10.185	10.185	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	2.849	2.849	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	2.849	2.849	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	5.229	5.229	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,%]
47	M42	X	0	0	0	%100
48	M42	Z	3.005	3.005	0	%100
49	M43A	X	0	0	0	%100
50	M43A	Z	11.619	11.619	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	15.688	15.688	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	5.326	5.326	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	5.61	5.61	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	15.688	15.688	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	21.304	21.304	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	22.439	22.439	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	10.185	10.185	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	2.849	2.849	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	2.849	2.849	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	5.229	5.229	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	11.619	11.619	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	3.005	3.005	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	15.688	15.688	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	21.304	21.304	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	22.439	22.439	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	15.688	15.688	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	5.326	5.326	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	5.61	5.61	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	8.28	8.28	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	8.28	8.28	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	10.023	10.023	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	8.28	8.28	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	8.28	8.28	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	8.28	8.28	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, %]
99	MP2B	X	0	0	0	%100
100	MP2B	Z	10.023	10.023	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	8.28	8.28	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	6.77	6.77	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	12.201	12.201	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	3.05	3.05	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	3.05	3.05	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	11.261	11.261	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	2.815	2.815	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	2.815	2.815	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	10.715	10.715	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	13.708	13.708	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	13.708	13.708	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-4.576	-4.576	0	%100
2	M1	Z	7.925	7.925	0	%100
3	M4	X	-1.697	-1.697	0	%100
4	M4	Z	2.94	2.94	0	%100
5	M10	X	-4.274	-4.274	0	%100
6	M10	Z	7.403	7.403	0	%100
7	MP3A	X	-4.14	-4.14	0	%100
8	MP3A	Z	7.17	7.17	0	%100
9	MP4A	X	-4.14	-4.14	0	%100
10	MP4A	Z	7.17	7.17	0	%100
11	MP2A	X	-5.011	-5.011	0	%100
12	MP2A	Z	8.68	8.68	0	%100
13	MP1A	X	-4.14	-4.14	0	%100
14	MP1A	Z	7.17	7.17	0	%100
15	M43	X	-4.274	-4.274	0	%100
16	M43	Z	7.403	7.403	0	%100
17	M46	X	-7.844	-7.844	0	%100
18	M46	Z	13.586	13.586	0	%100
19	M51B	X	-4.308	-4.308	0	%100
20	M51B	Z	7.461	7.461	0	%100
21	M52B	X	-.000563	-.000563	0	%100
22	M52B	Z	.000975	.000975	0	%100
23	M76	X	-2.615	-2.615	0	%100
24	M76	Z	4.529	4.529	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, %]
25	M77	X	-7.989	-7.989	0	%100
26	M77	Z	13.837	13.837	0	%100
27	M80	X	-8.415	-8.415	0	%100
28	M80	Z	14.575	14.575	0	%100
29	M84	X	-2.615	-2.615	0	%100
30	M84	Z	4.529	4.529	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-4.576	-4.576	0	%100
36	M34	Z	7.925	7.925	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-1.697	-1.697	0	%100
40	M36	Z	2.94	2.94	0	%100
41	M37	X	-4.274	-4.274	0	%100
42	M37	Z	7.403	7.403	0	%100
43	M38	X	-4.274	-4.274	0	%100
44	M38	Z	7.403	7.403	0	%100
45	M39	X	-7.844	-7.844	0	%100
46	M39	Z	13.586	13.586	0	%100
47	M42	X	-.000563	-.000563	0	%100
48	M42	Z	.000975	.000975	0	%100
49	M43A	X	-4.308	-4.308	0	%100
50	M43A	Z	7.461	7.461	0	%100
51	M47	X	-2.615	-2.615	0	%100
52	M47	Z	4.529	4.529	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	-2.615	-2.615	0	%100
58	M52A	Z	4.529	4.529	0	%100
59	M53	X	-7.989	-7.989	0	%100
60	M53	Z	13.837	13.837	0	%100
61	M55	X	-8.415	-8.415	0	%100
62	M55	Z	14.575	14.575	0	%100
63	M60	X	-6.79	-6.79	0	%100
64	M60	Z	11.76	11.76	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	-4.407	-4.407	0	%100
72	M66	Z	7.633	7.633	0	%100
73	M67	X	-4.407	-4.407	0	%100
74	M67	Z	7.633	7.633	0	%100
75	M71	X	-10.458	-10.458	0	%100
76	M71	Z	18.114	18.114	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,%]
77	M72	X	-7.989	-7.989	0	%100
78	M72	Z	13.837	13.837	0	%100
79	M74	X	-8.415	-8.415	0	%100
80	M74	Z	14.575	14.575	0	%100
81	M76A	X	-10.458	-10.458	0	%100
82	M76A	Z	18.114	18.114	0	%100
83	M77A	X	-7.989	-7.989	0	%100
84	M77A	Z	13.837	13.837	0	%100
85	M79A	X	-8.415	-8.415	0	%100
86	M79A	Z	14.575	14.575	0	%100
87	MP3C	X	-4.14	-4.14	0	%100
88	MP3C	Z	7.17	7.17	0	%100
89	MP4C	X	-4.14	-4.14	0	%100
90	MP4C	Z	7.17	7.17	0	%100
91	MP2C	X	-5.011	-5.011	0	%100
92	MP2C	Z	8.68	8.68	0	%100
93	MP1C	X	-4.14	-4.14	0	%100
94	MP1C	Z	7.17	7.17	0	%100
95	MP3B	X	-4.14	-4.14	0	%100
96	MP3B	Z	7.17	7.17	0	%100
97	MP4B	X	-4.14	-4.14	0	%100
98	MP4B	Z	7.17	7.17	0	%100
99	MP2B	X	-5.011	-5.011	0	%100
100	MP2B	Z	8.68	8.68	0	%100
101	MP1B	X	-4.14	-4.14	0	%100
102	MP1B	Z	7.17	7.17	0	%100
103	M101	X	-3.385	-3.385	0	%100
104	M101	Z	5.863	5.863	0	%100
105	M102	X	-4.576	-4.576	0	%100
106	M102	Z	7.925	7.925	0	%100
107	M107	X	-4.576	-4.576	0	%100
108	M107	Z	7.925	7.925	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	-4.223	-4.223	0	%100
112	M119	Z	7.314	7.314	0	%100
113	M122	X	-4.223	-4.223	0	%100
114	M122	Z	7.314	7.314	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	-5.856	-5.856	0	%100
118	M126	Z	10.143	10.143	0	%100
119	M127	X	-5.856	-5.856	0	%100
120	M127	Z	10.143	10.143	0	%100
121	M128	X	-7.353	-7.353	0	%100
122	M128	Z	12.736	12.736	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	-2.642	-2.642	0	%100
2	M1	Z	1.525	1.525	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,%]
3	M4	X	-8.82	-8.82	0	%100
4	M4	Z	5.092	5.092	0	%100
5	M10	X	-2.468	-2.468	0	%100
6	M10	Z	1.425	1.425	0	%100
7	MP3A	X	-7.17	-7.17	0	%100
8	MP3A	Z	4.14	4.14	0	%100
9	MP4A	X	-7.17	-7.17	0	%100
10	MP4A	Z	4.14	4.14	0	%100
11	MP2A	X	-8.68	-8.68	0	%100
12	MP2A	Z	5.011	5.011	0	%100
13	MP1A	X	-7.17	-7.17	0	%100
14	MP1A	Z	4.14	4.14	0	%100
15	M43	X	-2.468	-2.468	0	%100
16	M43	Z	1.425	1.425	0	%100
17	M46	X	-4.529	-4.529	0	%100
18	M46	Z	2.615	2.615	0	%100
19	M51B	X	-10.063	-10.063	0	%100
20	M51B	Z	5.81	5.81	0	%100
21	M52B	X	-2.602	-2.602	0	%100
22	M52B	Z	1.502	1.502	0	%100
23	M76	X	-13.586	-13.586	0	%100
24	M76	Z	7.844	7.844	0	%100
25	M77	X	-18.45	-18.45	0	%100
26	M77	Z	10.652	10.652	0	%100
27	M80	X	-19.433	-19.433	0	%100
28	M80	Z	11.22	11.22	0	%100
29	M84	X	-13.586	-13.586	0	%100
30	M84	Z	7.844	7.844	0	%100
31	M85	X	-4.612	-4.612	0	%100
32	M85	Z	2.663	2.663	0	%100
33	M91	X	-4.858	-4.858	0	%100
34	M91	Z	2.805	2.805	0	%100
35	M34	X	-10.567	-10.567	0	%100
36	M34	Z	6.101	6.101	0	%100
37	M35	X	-2.642	-2.642	0	%100
38	M35	Z	1.525	1.525	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-9.871	-9.871	0	%100
42	M37	Z	5.699	5.699	0	%100
43	M38	X	-9.871	-9.871	0	%100
44	M38	Z	5.699	5.699	0	%100
45	M39	X	-18.114	-18.114	0	%100
46	M39	Z	10.458	10.458	0	%100
47	M42	X	-2.431	-2.431	0	%100
48	M42	Z	1.403	1.403	0	%100
49	M43A	X	-2.431	-2.431	0	%100
50	M43A	Z	1.403	1.403	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-4.612	-4.612	0	%100
54	M48	Z	2.663	2.663	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,%]
55	M50A	X	-4.858	-4.858	0	%100
56	M50A	Z	2.805	2.805	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	-4.612	-4.612	0	%100
60	M53	Z	2.663	2.663	0	%100
61	M55	X	-4.858	-4.858	0	%100
62	M55	Z	2.805	2.805	0	%100
63	M60	X	-8.82	-8.82	0	%100
64	M60	Z	5.092	5.092	0	%100
65	M61	X	-2.468	-2.468	0	%100
66	M61	Z	1.425	1.425	0	%100
67	M62	X	-2.468	-2.468	0	%100
68	M62	Z	1.425	1.425	0	%100
69	M63	X	-4.529	-4.529	0	%100
70	M63	Z	2.615	2.615	0	%100
71	M66	X	-2.602	-2.602	0	%100
72	M66	Z	1.502	1.502	0	%100
73	M67	X	-10.063	-10.063	0	%100
74	M67	Z	5.81	5.81	0	%100
75	M71	X	-13.586	-13.586	0	%100
76	M71	Z	7.844	7.844	0	%100
77	M72	X	-4.612	-4.612	0	%100
78	M72	Z	2.663	2.663	0	%100
79	M74	X	-4.858	-4.858	0	%100
80	M74	Z	2.805	2.805	0	%100
81	M76A	X	-13.586	-13.586	0	%100
82	M76A	Z	7.844	7.844	0	%100
83	M77A	X	-18.45	-18.45	0	%100
84	M77A	Z	10.652	10.652	0	%100
85	M79A	X	-19.433	-19.433	0	%100
86	M79A	Z	11.22	11.22	0	%100
87	MP3C	X	-7.17	-7.17	0	%100
88	MP3C	Z	4.14	4.14	0	%100
89	MP4C	X	-7.17	-7.17	0	%100
90	MP4C	Z	4.14	4.14	0	%100
91	MP2C	X	-8.68	-8.68	0	%100
92	MP2C	Z	5.011	5.011	0	%100
93	MP1C	X	-7.17	-7.17	0	%100
94	MP1C	Z	4.14	4.14	0	%100
95	MP3B	X	-7.17	-7.17	0	%100
96	MP3B	Z	4.14	4.14	0	%100
97	MP4B	X	-7.17	-7.17	0	%100
98	MP4B	Z	4.14	4.14	0	%100
99	MP2B	X	-8.68	-8.68	0	%100
100	MP2B	Z	5.011	5.011	0	%100
101	MP1B	X	-7.17	-7.17	0	%100
102	MP1B	Z	4.14	4.14	0	%100
103	M101	X	-5.863	-5.863	0	%100
104	M101	Z	3.385	3.385	0	%100
105	M102	X	-2.642	-2.642	0	%100
106	M102	Z	1.525	1.525	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,%]
107	M107	X	-10.567	-10.567	0	%100
108	M107	Z	6.101	6.101	0	%100
109	M112	X	-2.642	-2.642	0	%100
110	M112	Z	1.525	1.525	0	%100
111	M119	X	-2.438	-2.438	0	%100
112	M119	Z	1.408	1.408	0	%100
113	M122	X	-9.753	-9.753	0	%100
114	M122	Z	5.631	5.631	0	%100
115	M125	X	-2.438	-2.438	0	%100
116	M125	Z	1.408	1.408	0	%100
117	M126	X	-11.872	-11.872	0	%100
118	M126	Z	6.854	6.854	0	%100
119	M127	X	-9.279	-9.279	0	%100
120	M127	Z	5.357	5.357	0	%100
121	M128	X	-11.872	-11.872	0	%100
122	M128	Z	6.854	6.854	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-13.58	-13.58	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-8.28	-8.28	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-8.28	-8.28	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-10.023	-10.023	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-8.28	-8.28	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-8.814	-8.814	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-8.814	-8.814	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-20.917	-20.917	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-15.978	-15.978	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-16.829	-16.829	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-20.917	-20.917	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-15.978	-15.978	0	%100
32	M85	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,%]
33	M91	X	-16.829	-16.829	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-9.151	-9.151	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-9.151	-9.151	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-3.395	-3.395	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-8.548	-8.548	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	-8.548	-8.548	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	-15.688	-15.688	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	-8.616	-8.616	0	%100
48	M42	Z	0	0	0	%100
49	M43A	X	-.001	-.001	0	%100
50	M43A	Z	0	0	0	%100
51	M47	X	-5.229	-5.229	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-15.978	-15.978	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	-16.829	-16.829	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	-5.229	-5.229	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	0	0	0	%100
63	M60	X	-3.395	-3.395	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-8.548	-8.548	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	-8.548	-8.548	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	-15.688	-15.688	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	-.001	-.001	0	%100
72	M66	Z	0	0	0	%100
73	M67	X	-8.616	-8.616	0	%100
74	M67	Z	0	0	0	%100
75	M71	X	-5.229	-5.229	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	0	0	0	%100
81	M76A	X	-5.229	-5.229	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	-15.978	-15.978	0	%100
84	M77A	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,%]
85	M79A	X	-16.829	-16.829	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	-8.28	-8.28	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-8.28	-8.28	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-10.023	-10.023	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-8.28	-8.28	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-8.28	-8.28	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-8.28	-8.28	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-10.023	-10.023	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-8.28	-8.28	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	-6.77	-6.77	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-9.151	-9.151	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-9.151	-9.151	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	-8.446	-8.446	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	-8.446	-8.446	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	-14.706	-14.706	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-11.713	-11.713	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-11.713	-11.713	0	%100
122	M128	Z	0	0	0	%100

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

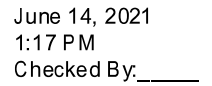
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-2.642	-2.642	0	%100
2	M1	Z	-1.525	-1.525	0	%100
3	M4	X	-8.82	-8.82	0	%100
4	M4	Z	-5.092	-5.092	0	%100
5	M10	X	-2.468	-2.468	0	%100
6	M10	Z	-1.425	-1.425	0	%100
7	MP3A	X	-7.17	-7.17	0	%100
8	MP3A	Z	-4.14	-4.14	0	%100
9	MP4A	X	-7.17	-7.17	0	%100
10	MP4A	Z	-4.14	-4.14	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,%]
11	MP2A	X	-8.68	-8.68	0	%100
12	MP2A	Z	-5.011	-5.011	0	%100
13	MP1A	X	-7.17	-7.17	0	%100
14	MP1A	Z	-4.14	-4.14	0	%100
15	M43	X	-2.468	-2.468	0	%100
16	M43	Z	-1.425	-1.425	0	%100
17	M46	X	-4.529	-4.529	0	%100
18	M46	Z	-2.615	-2.615	0	%100
19	M51B	X	-2.602	-2.602	0	%100
20	M51B	Z	-1.502	-1.502	0	%100
21	M52B	X	-10.063	-10.063	0	%100
22	M52B	Z	-5.81	-5.81	0	%100
23	M76	X	-13.586	-13.586	0	%100
24	M76	Z	-7.844	-7.844	0	%100
25	M77	X	-4.612	-4.612	0	%100
26	M77	Z	-2.663	-2.663	0	%100
27	M80	X	-4.858	-4.858	0	%100
28	M80	Z	-2.805	-2.805	0	%100
29	M84	X	-13.586	-13.586	0	%100
30	M84	Z	-7.844	-7.844	0	%100
31	M85	X	-18.45	-18.45	0	%100
32	M85	Z	-10.652	-10.652	0	%100
33	M91	X	-19.433	-19.433	0	%100
34	M91	Z	-11.22	-11.22	0	%100
35	M34	X	-2.642	-2.642	0	%100
36	M34	Z	-1.525	-1.525	0	%100
37	M35	X	-10.567	-10.567	0	%100
38	M35	Z	-6.101	-6.101	0	%100
39	M36	X	-8.82	-8.82	0	%100
40	M36	Z	-5.092	-5.092	0	%100
41	M37	X	-2.468	-2.468	0	%100
42	M37	Z	-1.425	-1.425	0	%100
43	M38	X	-2.468	-2.468	0	%100
44	M38	Z	-1.425	-1.425	0	%100
45	M39	X	-4.529	-4.529	0	%100
46	M39	Z	-2.615	-2.615	0	%100
47	M42	X	-10.063	-10.063	0	%100
48	M42	Z	-5.81	-5.81	0	%100
49	M43A	X	-2.602	-2.602	0	%100
50	M43A	Z	-1.502	-1.502	0	%100
51	M47	X	-13.586	-13.586	0	%100
52	M47	Z	-7.844	-7.844	0	%100
53	M48	X	-18.45	-18.45	0	%100
54	M48	Z	-10.652	-10.652	0	%100
55	M50A	X	-19.433	-19.433	0	%100
56	M50A	Z	-11.22	-11.22	0	%100
57	M52A	X	-13.586	-13.586	0	%100
58	M52A	Z	-7.844	-7.844	0	%100
59	M53	X	-4.612	-4.612	0	%100
60	M53	Z	-2.663	-2.663	0	%100
61	M55	X	-4.858	-4.858	0	%100
62	M55	Z	-2.805	-2.805	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,%]
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-9.871	-9.871	0	%100
66	M61	Z	-5.699	-5.699	0	%100
67	M62	X	-9.871	-9.871	0	%100
68	M62	Z	-5.699	-5.699	0	%100
69	M63	X	-18.114	-18.114	0	%100
70	M63	Z	-10.458	-10.458	0	%100
71	M66	X	-2.431	-2.431	0	%100
72	M66	Z	-1.403	-1.403	0	%100
73	M67	X	-2.431	-2.431	0	%100
74	M67	Z	-1.403	-1.403	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	-4.612	-4.612	0	%100
78	M72	Z	-2.663	-2.663	0	%100
79	M74	X	-4.858	-4.858	0	%100
80	M74	Z	-2.805	-2.805	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	-4.612	-4.612	0	%100
84	M77A	Z	-2.663	-2.663	0	%100
85	M79A	X	-4.858	-4.858	0	%100
86	M79A	Z	-2.805	-2.805	0	%100
87	MP3C	X	-7.17	-7.17	0	%100
88	MP3C	Z	-4.14	-4.14	0	%100
89	MP4C	X	-7.17	-7.17	0	%100
90	MP4C	Z	-4.14	-4.14	0	%100
91	MP2C	X	-8.68	-8.68	0	%100
92	MP2C	Z	-5.011	-5.011	0	%100
93	MP1C	X	-7.17	-7.17	0	%100
94	MP1C	Z	-4.14	-4.14	0	%100
95	MP3B	X	-7.17	-7.17	0	%100
96	MP3B	Z	-4.14	-4.14	0	%100
97	MP4B	X	-7.17	-7.17	0	%100
98	MP4B	Z	-4.14	-4.14	0	%100
99	MP2B	X	-8.68	-8.68	0	%100
100	MP2B	Z	-5.011	-5.011	0	%100
101	MP1B	X	-7.17	-7.17	0	%100
102	MP1B	Z	-4.14	-4.14	0	%100
103	M101	X	-5.863	-5.863	0	%100
104	M101	Z	-3.385	-3.385	0	%100
105	M102	X	-2.642	-2.642	0	%100
106	M102	Z	-1.525	-1.525	0	%100
107	M107	X	-2.642	-2.642	0	%100
108	M107	Z	-1.525	-1.525	0	%100
109	M112	X	-10.567	-10.567	0	%100
110	M112	Z	-6.101	-6.101	0	%100
111	M119	X	-2.438	-2.438	0	%100
112	M119	Z	-1.408	-1.408	0	%100
113	M122	X	-2.438	-2.438	0	%100
114	M122	Z	-1.408	-1.408	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
115	M125	X	-9.753	-9.753	0	%100
116	M125	Z	-5.631	-5.631	0	%100
117	M126	X	-11.872	-11.872	0	%100
118	M126	Z	-6.854	-6.854	0	%100
119	M127	X	-11.872	-11.872	0	%100
120	M127	Z	-6.854	-6.854	0	%100
121	M128	X	-9.279	-9.279	0	%100
122	M128	Z	-5.357	-5.357	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	-4.576	-4.576	0	%100
2	M1	Z	-7.925	-7.925	0	%100
3	M4	X	-1.697	-1.697	0	%100
4	M4	Z	-2.94	-2.94	0	%100
5	M10	X	-4.274	-4.274	0	%100
6	M10	Z	-7.403	-7.403	0	%100
7	MP3A	X	-4.14	-4.14	0	%100
8	MP3A	Z	-7.17	-7.17	0	%100
9	MP4A	X	-4.14	-4.14	0	%100
10	MP4A	Z	-7.17	-7.17	0	%100
11	MP2A	X	-5.011	-5.011	0	%100
12	MP2A	Z	-8.68	-8.68	0	%100
13	MP1A	X	-4.14	-4.14	0	%100
14	MP1A	Z	-7.17	-7.17	0	%100
15	M43	X	-4.274	-4.274	0	%100
16	M43	Z	-7.403	-7.403	0	%100
17	M46	X	-7.844	-7.844	0	%100
18	M46	Z	-13.586	-13.586	0	%100
19	M51B	X	-.000563	-.000563	0	%100
20	M51B	Z	-.000975	-.000975	0	%100
21	M52B	X	-4.308	-4.308	0	%100
22	M52B	Z	-7.461	-7.461	0	%100
23	M76	X	-2.615	-2.615	0	%100
24	M76	Z	-4.529	-4.529	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-2.615	-2.615	0	%100
30	M84	Z	-4.529	-4.529	0	%100
31	M85	X	-7.989	-7.989	0	%100
32	M85	Z	-13.837	-13.837	0	%100
33	M91	X	-8.415	-8.415	0	%100
34	M91	Z	-14.575	-14.575	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-4.576	-4.576	0	%100
38	M35	Z	-7.925	-7.925	0	%100
39	M36	X	-6.79	-6.79	0	%100
40	M36	Z	-11.76	-11.76	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,%]
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	-4.407	-4.407	0	%100
48	M42	Z	-7.633	-7.633	0	%100
49	M43A	X	-4.407	-4.407	0	%100
50	M43A	Z	-7.633	-7.633	0	%100
51	M47	X	-10.458	-10.458	0	%100
52	M47	Z	-18.114	-18.114	0	%100
53	M48	X	-7.989	-7.989	0	%100
54	M48	Z	-13.837	-13.837	0	%100
55	M50A	X	-8.415	-8.415	0	%100
56	M50A	Z	-14.575	-14.575	0	%100
57	M52A	X	-10.458	-10.458	0	%100
58	M52A	Z	-18.114	-18.114	0	%100
59	M53	X	-7.989	-7.989	0	%100
60	M53	Z	-13.837	-13.837	0	%100
61	M55	X	-8.415	-8.415	0	%100
62	M55	Z	-14.575	-14.575	0	%100
63	M60	X	-1.697	-1.697	0	%100
64	M60	Z	-2.94	-2.94	0	%100
65	M61	X	-4.274	-4.274	0	%100
66	M61	Z	-7.403	-7.403	0	%100
67	M62	X	-4.274	-4.274	0	%100
68	M62	Z	-7.403	-7.403	0	%100
69	M63	X	-7.844	-7.844	0	%100
70	M63	Z	-13.586	-13.586	0	%100
71	M66	X	-4.308	-4.308	0	%100
72	M66	Z	-7.461	-7.461	0	%100
73	M67	X	-.000563	-.000563	0	%100
74	M67	Z	-.000975	-.000975	0	%100
75	M71	X	-2.615	-2.615	0	%100
76	M71	Z	-4.529	-4.529	0	%100
77	M72	X	-7.989	-7.989	0	%100
78	M72	Z	-13.837	-13.837	0	%100
79	M74	X	-8.415	-8.415	0	%100
80	M74	Z	-14.575	-14.575	0	%100
81	M76A	X	-2.615	-2.615	0	%100
82	M76A	Z	-4.529	-4.529	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	-4.14	-4.14	0	%100
88	MP3C	Z	-7.17	-7.17	0	%100
89	MP4C	X	-4.14	-4.14	0	%100
90	MP4C	Z	-7.17	-7.17	0	%100
91	MP2C	X	-5.011	-5.011	0	%100
92	MP2C	Z	-8.68	-8.68	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,%]
93	MP1C	X	-4.14	-4.14	0	%100
94	MP1C	Z	-7.17	-7.17	0	%100
95	MP3B	X	-4.14	-4.14	0	%100
96	MP3B	Z	-7.17	-7.17	0	%100
97	MP4B	X	-4.14	-4.14	0	%100
98	MP4B	Z	-7.17	-7.17	0	%100
99	MP2B	X	-5.011	-5.011	0	%100
100	MP2B	Z	-8.68	-8.68	0	%100
101	MP1B	X	-4.14	-4.14	0	%100
102	MP1B	Z	-7.17	-7.17	0	%100
103	M101	X	-3.385	-3.385	0	%100
104	M101	Z	-5.863	-5.863	0	%100
105	M102	X	-4.576	-4.576	0	%100
106	M102	Z	-7.925	-7.925	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-4.576	-4.576	0	%100
110	M112	Z	-7.925	-7.925	0	%100
111	M119	X	-4.223	-4.223	0	%100
112	M119	Z	-7.314	-7.314	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	-4.223	-4.223	0	%100
116	M125	Z	-7.314	-7.314	0	%100
117	M126	X	-5.856	-5.856	0	%100
118	M126	Z	-10.143	-10.143	0	%100
119	M127	X	-7.353	-7.353	0	%100
120	M127	Z	-12.736	-12.736	0	%100
121	M128	X	-5.856	-5.856	0	%100
122	M128	Z	-10.143	-10.143	0	%100

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

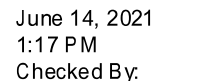
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	-3.462	-3.462	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.001	-3.001	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-2.793	-2.793	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-2.793	-2.793	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-3.09	-3.09	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-2.793	-2.793	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-3.001	-3.001	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-4.448	-4.448	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,%]
19	M51B	X	0	0	0	%100
20	M51B	Z	-.793	-.793	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.793	-.793	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-1.111	-1.111	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-1.159	-1.159	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-1.111	-1.111	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-1.159	-1.159	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-.866	-.866	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-.866	-.866	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-2.773	-2.773	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-.75	-.75	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	-.75	-.75	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	-1.112	-1.112	0	%100
47	M42	X	0	0	0	%100
48	M42	Z	-.849	-.849	0	%100
49	M43A	X	0	0	0	%100
50	M43A	Z	-3.284	-3.284	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-3.282	-3.282	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-1.111	-1.111	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	-1.159	-1.159	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	-3.282	-3.282	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-4.442	-4.442	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	-4.636	-4.636	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	-2.773	-2.773	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-.75	-.75	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-.75	-.75	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	-1.112	-1.112	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,%]
71	M66	X	0	0	0	%100
72	M66	Z	-3.284	-3.284	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	-.849	-.849	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-3.282	-3.282	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	-4.442	-4.442	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	-4.636	-4.636	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	-3.282	-3.282	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	-1.111	-1.111	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	-1.159	-1.159	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-2.793	-2.793	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-2.793	-2.793	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-3.09	-3.09	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-2.793	-2.793	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-2.793	-2.793	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-2.793	-2.793	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-3.09	-3.09	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-2.793	-2.793	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-2.293	-2.293	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-3.462	-3.462	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-.866	-.866	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-.866	-.866	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	-2.815	-2.815	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	-.704	-.704	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.704	-.704	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-2.345	-2.345	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-3.412	-3.412	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-3.412	-3.412	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	1.298	1.298	0	%100
2	M1	Z	-2.249	-2.249	0	%100
3	M4	X	.462	.462	0	%100
4	M4	Z	-.801	-.801	0	%100
5	M10	X	1.125	1.125	0	%100
6	M10	Z	-1.949	-1.949	0	%100
7	MP3A	X	1.396	1.396	0	%100
8	MP3A	Z	-2.418	-2.418	0	%100
9	MP4A	X	1.396	1.396	0	%100
10	MP4A	Z	-2.418	-2.418	0	%100
11	MP2A	X	1.545	1.545	0	%100
12	MP2A	Z	-2.676	-2.676	0	%100
13	MP1A	X	1.396	1.396	0	%100
14	MP1A	Z	-2.418	-2.418	0	%100
15	M43	X	1.125	1.125	0	%100
16	M43	Z	-1.949	-1.949	0	%100
17	M46	X	1.668	1.668	0	%100
18	M46	Z	-2.889	-2.889	0	%100
19	M51B	X	1.218	1.218	0	%100
20	M51B	Z	-2.109	-2.109	0	%100
21	M52B	X	.000159	.000159	0	%100
22	M52B	Z	-.000275	-.000275	0	%100
23	M76	X	.547	.547	0	%100
24	M76	Z	-.947	-.947	0	%100
25	M77	X	1.666	1.666	0	%100
26	M77	Z	-2.885	-2.885	0	%100
27	M80	X	1.738	1.738	0	%100
28	M80	Z	-3.011	-3.011	0	%100
29	M84	X	.547	.547	0	%100
30	M84	Z	-.947	-.947	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	1.298	1.298	0	%100
36	M34	Z	-2.249	-2.249	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	.462	.462	0	%100
40	M36	Z	-.801	-.801	0	%100
41	M37	X	1.125	1.125	0	%100
42	M37	Z	-1.949	-1.949	0	%100
43	M38	X	1.125	1.125	0	%100
44	M38	Z	-1.949	-1.949	0	%100
45	M39	X	1.668	1.668	0	%100
46	M39	Z	-2.889	-2.889	0	%100
47	M42	X	.000159	.000159	0	%100
48	M42	Z	-.000275	-.000275	0	%100
49	M43A	X	1.218	1.218	0	%100
50	M43A	Z	-2.109	-2.109	0	%100
51	M47	X	.547	.547	0	%100
52	M47	Z	-.947	-.947	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	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	.547	.547	0	%100
58	M52A	Z	-.947	-.947	0	%100
59	M53	X	1.666	1.666	0	%100
60	M53	Z	-2.885	-2.885	0	%100
61	M55	X	1.738	1.738	0	%100
62	M55	Z	-3.011	-3.011	0	%100
63	M60	X	1.849	1.849	0	%100
64	M60	Z	-3.202	-3.202	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	1.246	1.246	0	%100
72	M66	Z	-2.158	-2.158	0	%100
73	M67	X	1.246	1.246	0	%100
74	M67	Z	-2.158	-2.158	0	%100
75	M71	X	2.188	2.188	0	%100
76	M71	Z	-3.79	-3.79	0	%100
77	M72	X	1.666	1.666	0	%100
78	M72	Z	-2.885	-2.885	0	%100
79	M74	X	1.738	1.738	0	%100
80	M74	Z	-3.011	-3.011	0	%100
81	M76A	X	2.188	2.188	0	%100
82	M76A	Z	-3.79	-3.79	0	%100
83	M77A	X	1.666	1.666	0	%100
84	M77A	Z	-2.885	-2.885	0	%100
85	M79A	X	1.738	1.738	0	%100
86	M79A	Z	-3.011	-3.011	0	%100
87	MP3C	X	1.396	1.396	0	%100
88	MP3C	Z	-2.418	-2.418	0	%100
89	MP4C	X	1.396	1.396	0	%100
90	MP4C	Z	-2.418	-2.418	0	%100
91	MP2C	X	1.545	1.545	0	%100
92	MP2C	Z	-2.676	-2.676	0	%100
93	MP1C	X	1.396	1.396	0	%100
94	MP1C	Z	-2.418	-2.418	0	%100
95	MP3B	X	1.396	1.396	0	%100
96	MP3B	Z	-2.418	-2.418	0	%100
97	MP4B	X	1.396	1.396	0	%100
98	MP4B	Z	-2.418	-2.418	0	%100
99	MP2B	X	1.545	1.545	0	%100
100	MP2B	Z	-2.676	-2.676	0	%100
101	MP1B	X	1.396	1.396	0	%100
102	MP1B	Z	-2.418	-2.418	0	%100
103	M101	X	1.147	1.147	0	%100
104	M101	Z	-1.986	-1.986	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	M102	X	1.298	1.298	0	%100
106	M102	Z	-2.249	-2.249	0	%100
107	M107	X	1.298	1.298	0	%100
108	M107	Z	-2.249	-2.249	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	1.055	1.055	0	%100
112	M119	Z	-1.828	-1.828	0	%100
113	M122	X	1.055	1.055	0	%100
114	M122	Z	-1.828	-1.828	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	1.35	1.35	0	%100
118	M126	Z	-2.339	-2.339	0	%100
119	M127	X	1.35	1.35	0	%100
120	M127	Z	-2.339	-2.339	0	%100
121	M128	X	1.884	1.884	0	%100
122	M128	Z	-3.263	-3.263	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	.75	.75	0	%100
2	M1	Z	-.433	-.433	0	%100
3	M4	X	2.402	2.402	0	%100
4	M4	Z	-1.387	-1.387	0	%100
5	M10	X	.65	.65	0	%100
6	M10	Z	-.375	-.375	0	%100
7	MP3A	X	2.418	2.418	0	%100
8	MP3A	Z	-1.396	-1.396	0	%100
9	MP4A	X	2.418	2.418	0	%100
10	MP4A	Z	-1.396	-1.396	0	%100
11	MP2A	X	2.676	2.676	0	%100
12	MP2A	Z	-1.545	-1.545	0	%100
13	MP1A	X	2.418	2.418	0	%100
14	MP1A	Z	-1.396	-1.396	0	%100
15	M43	X	.65	.65	0	%100
16	M43	Z	-.375	-.375	0	%100
17	M46	X	.963	.963	0	%100
18	M46	Z	-.556	-.556	0	%100
19	M51B	X	2.844	2.844	0	%100
20	M51B	Z	-1.642	-1.642	0	%100
21	M52B	X	.736	.736	0	%100
22	M52B	Z	-.425	-.425	0	%100
23	M76	X	2.842	2.842	0	%100
24	M76	Z	-1.641	-1.641	0	%100
25	M77	X	3.847	3.847	0	%100
26	M77	Z	-2.221	-2.221	0	%100
27	M80	X	4.015	4.015	0	%100
28	M80	Z	-2.318	-2.318	0	%100
29	M84	X	2.842	2.842	0	%100
30	M84	Z	-1.641	-1.641	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,%]
31	M85	X	.962	.962	0	%100
32	M85	Z	-.555	-.555	0	%100
33	M91	X	1.004	1.004	0	%100
34	M91	Z	-.579	-.579	0	%100
35	M34	X	2.998	2.998	0	%100
36	M34	Z	-1.731	-1.731	0	%100
37	M35	X	.75	.75	0	%100
38	M35	Z	-.433	-.433	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	2.599	2.599	0	%100
42	M37	Z	-1.5	-1.5	0	%100
43	M38	X	2.599	2.599	0	%100
44	M38	Z	-1.5	-1.5	0	%100
45	M39	X	3.852	3.852	0	%100
46	M39	Z	-2.224	-2.224	0	%100
47	M42	X	.687	.687	0	%100
48	M42	Z	-.397	-.397	0	%100
49	M43A	X	.687	.687	0	%100
50	M43A	Z	-.397	-.397	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	.962	.962	0	%100
54	M48	Z	-.555	-.555	0	%100
55	M50A	X	1.004	1.004	0	%100
56	M50A	Z	-.579	-.579	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	.962	.962	0	%100
60	M53	Z	-.555	-.555	0	%100
61	M55	X	1.004	1.004	0	%100
62	M55	Z	-.579	-.579	0	%100
63	M60	X	2.402	2.402	0	%100
64	M60	Z	-1.387	-1.387	0	%100
65	M61	X	.65	.65	0	%100
66	M61	Z	-.375	-.375	0	%100
67	M62	X	.65	.65	0	%100
68	M62	Z	-.375	-.375	0	%100
69	M63	X	.963	.963	0	%100
70	M63	Z	-.556	-.556	0	%100
71	M66	X	.736	.736	0	%100
72	M66	Z	-.425	-.425	0	%100
73	M67	X	2.844	2.844	0	%100
74	M67	Z	-1.642	-1.642	0	%100
75	M71	X	2.842	2.842	0	%100
76	M71	Z	-1.641	-1.641	0	%100
77	M72	X	.962	.962	0	%100
78	M72	Z	-.555	-.555	0	%100
79	M74	X	1.004	1.004	0	%100
80	M74	Z	-.579	-.579	0	%100
81	M76A	X	2.842	2.842	0	%100
82	M76A	Z	-1.641	-1.641	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,%]
83	M77A	X	3.847	3.847	0	%100
84	M77A	Z	-2.221	-2.221	0	%100
85	M79A	X	4.015	4.015	0	%100
86	M79A	Z	-2.318	-2.318	0	%100
87	MP3C	X	2.418	2.418	0	%100
88	MP3C	Z	-1.396	-1.396	0	%100
89	MP4C	X	2.418	2.418	0	%100
90	MP4C	Z	-1.396	-1.396	0	%100
91	MP2C	X	2.676	2.676	0	%100
92	MP2C	Z	-1.545	-1.545	0	%100
93	MP1C	X	2.418	2.418	0	%100
94	MP1C	Z	-1.396	-1.396	0	%100
95	MP3B	X	2.418	2.418	0	%100
96	MP3B	Z	-1.396	-1.396	0	%100
97	MP4B	X	2.418	2.418	0	%100
98	MP4B	Z	-1.396	-1.396	0	%100
99	MP2B	X	2.676	2.676	0	%100
100	MP2B	Z	-1.545	-1.545	0	%100
101	MP1B	X	2.418	2.418	0	%100
102	MP1B	Z	-1.396	-1.396	0	%100
103	M101	X	1.986	1.986	0	%100
104	M101	Z	-1.147	-1.147	0	%100
105	M102	X	.75	.75	0	%100
106	M102	Z	-.433	-.433	0	%100
107	M107	X	2.998	2.998	0	%100
108	M107	Z	-1.731	-1.731	0	%100
109	M112	X	.75	.75	0	%100
110	M112	Z	-.433	-.433	0	%100
111	M119	X	.609	.609	0	%100
112	M119	Z	-.352	-.352	0	%100
113	M122	X	2.437	2.437	0	%100
114	M122	Z	-1.407	-1.407	0	%100
115	M125	X	.609	.609	0	%100
116	M125	Z	-.352	-.352	0	%100
117	M126	X	2.955	2.955	0	%100
118	M126	Z	-1.706	-1.706	0	%100
119	M127	X	2.031	2.031	0	%100
120	M127	Z	-1.172	-1.172	0	%100
121	M128	X	2.955	2.955	0	%100
122	M128	Z	-1.706	-1.706	0	%100

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

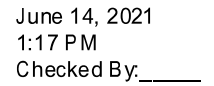
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	3.698	3.698	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	2.793	2.793	0	%100
8	MP3A	Z	0	0	0	%100

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,%]
9	MP4A	X	2.793	2.793	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	3.09	3.09	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	2.793	2.793	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	2.491	2.491	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	2.491	2.491	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	4.376	4.376	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	3.332	3.332	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	3.477	3.477	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	4.376	4.376	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	3.332	3.332	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	3.477	3.477	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	2.597	2.597	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	2.597	2.597	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	.924	.924	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	2.251	2.251	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	2.251	2.251	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	3.336	3.336	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	2.435	2.435	0	%100
48	M42	Z	0	0	0	%100
49	M43A	X	.000318	.000318	0	%100
50	M43A	Z	0	0	0	%100
51	M47	X	1.094	1.094	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	3.332	3.332	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	3.477	3.477	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	1.094	1.094	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100

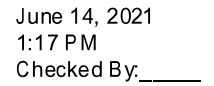
Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M55	X	0	0	0	%100
62	M55	Z	0	0	0	%100
63	M60	X	.924	.924	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	2.251	2.251	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	2.251	2.251	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	3.336	3.336	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	.000318	.000318	0	%100
72	M66	Z	0	0	0	%100
73	M67	X	2.435	2.435	0	%100
74	M67	Z	0	0	0	%100
75	M71	X	1.094	1.094	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	0	0	0	%100
81	M76A	X	1.094	1.094	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	3.332	3.332	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	3.477	3.477	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	2.793	2.793	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	2.793	2.793	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	3.09	3.09	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	2.793	2.793	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	2.793	2.793	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	2.793	2.793	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	3.09	3.09	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	2.793	2.793	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	2.293	2.293	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	2.597	2.597	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	2.597	2.597	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	0	0	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
113	M122	X	2.111	2.111	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	2.111	2.111	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	3.768	3.768	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	2.701	2.701	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	2.701	2.701	0	%100
122	M128	Z	0	0	0	%100

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.75	.75	0	%100
2	M1	Z	.433	.433	0	%100
3	M4	X	2.402	2.402	0	%100
4	M4	Z	1.387	1.387	0	%100
5	M10	X	.65	.65	0	%100
6	M10	Z	.375	.375	0	%100
7	MP3A	X	2.418	2.418	0	%100
8	MP3A	Z	1.396	1.396	0	%100
9	MP4A	X	2.418	2.418	0	%100
10	MP4A	Z	1.396	1.396	0	%100
11	MP2A	X	2.676	2.676	0	%100
12	MP2A	Z	1.545	1.545	0	%100
13	MP1A	X	2.418	2.418	0	%100
14	MP1A	Z	1.396	1.396	0	%100
15	M43	X	.65	.65	0	%100
16	M43	Z	.375	.375	0	%100
17	M46	X	.963	.963	0	%100
18	M46	Z	.556	.556	0	%100
19	M51B	X	.736	.736	0	%100
20	M51B	Z	.425	.425	0	%100
21	M52B	X	2.844	2.844	0	%100
22	M52B	Z	1.642	1.642	0	%100
23	M76	X	2.842	2.842	0	%100
24	M76	Z	1.641	1.641	0	%100
25	M77	X	.962	.962	0	%100
26	M77	Z	.555	.555	0	%100
27	M80	X	1.004	1.004	0	%100
28	M80	Z	.579	.579	0	%100
29	M84	X	2.842	2.842	0	%100
30	M84	Z	1.641	1.641	0	%100
31	M85	X	3.847	3.847	0	%100
32	M85	Z	2.221	2.221	0	%100
33	M91	X	4.015	4.015	0	%100
34	M91	Z	2.318	2.318	0	%100
35	M34	X	.75	.75	0	%100
36	M34	Z	.433	.433	0	%100
37	M35	X	2.998	2.998	0	%100
38	M35	Z	1.731	1.731	0	%100



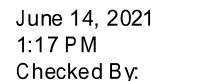
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
39	M36	X	2.402	2.402	0	%100
40	M36	Z	1.387	1.387	0	%100
41	M37	X	.65	.65	0	%100
42	M37	Z	.375	.375	0	%100
43	M38	X	.65	.65	0	%100
44	M38	Z	.375	.375	0	%100
45	M39	X	.963	.963	0	%100
46	M39	Z	.556	.556	0	%100
47	M42	X	2.844	2.844	0	%100
48	M42	Z	1.642	1.642	0	%100
49	M43A	X	.736	.736	0	%100
50	M43A	Z	.425	.425	0	%100
51	M47	X	2.842	2.842	0	%100
52	M47	Z	1.641	1.641	0	%100
53	M48	X	3.847	3.847	0	%100
54	M48	Z	2.221	2.221	0	%100
55	M50A	X	4.015	4.015	0	%100
56	M50A	Z	2.318	2.318	0	%100
57	M52A	X	2.842	2.842	0	%100
58	M52A	Z	1.641	1.641	0	%100
59	M53	X	.962	.962	0	%100
60	M53	Z	.555	.555	0	%100
61	M55	X	1.004	1.004	0	%100
62	M55	Z	.579	.579	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	2.599	2.599	0	%100
66	M61	Z	1.5	1.5	0	%100
67	M62	X	2.599	2.599	0	%100
68	M62	Z	1.5	1.5	0	%100
69	M63	X	3.852	3.852	0	%100
70	M63	Z	2.224	2.224	0	%100
71	M66	X	.687	.687	0	%100
72	M66	Z	.397	.397	0	%100
73	M67	X	.687	.687	0	%100
74	M67	Z	.397	.397	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	.962	.962	0	%100
78	M72	Z	.555	.555	0	%100
79	M74	X	1.004	1.004	0	%100
80	M74	Z	.579	.579	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	.962	.962	0	%100
84	M77A	Z	.555	.555	0	%100
85	M79A	X	1.004	1.004	0	%100
86	M79A	Z	.579	.579	0	%100
87	MP3C	X	2.418	2.418	0	%100
88	MP3C	Z	1.396	1.396	0	%100
89	MP4C	X	2.418	2.418	0	%100
90	MP4C	Z	1.396	1.396	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,%]
91	MP2C	X	2.676	2.676	0	%100
92	MP2C	Z	1.545	1.545	0	%100
93	MP1C	X	2.418	2.418	0	%100
94	MP1C	Z	1.396	1.396	0	%100
95	MP3B	X	2.418	2.418	0	%100
96	MP3B	Z	1.396	1.396	0	%100
97	MP4B	X	2.418	2.418	0	%100
98	MP4B	Z	1.396	1.396	0	%100
99	MP2B	X	2.676	2.676	0	%100
100	MP2B	Z	1.545	1.545	0	%100
101	MP1B	X	2.418	2.418	0	%100
102	MP1B	Z	1.396	1.396	0	%100
103	M101	X	1.986	1.986	0	%100
104	M101	Z	1.147	1.147	0	%100
105	M102	X	.75	.75	0	%100
106	M102	Z	.433	.433	0	%100
107	M107	X	.75	.75	0	%100
108	M107	Z	.433	.433	0	%100
109	M112	X	2.998	2.998	0	%100
110	M112	Z	1.731	1.731	0	%100
111	M119	X	.609	.609	0	%100
112	M119	Z	.352	.352	0	%100
113	M122	X	.609	.609	0	%100
114	M122	Z	.352	.352	0	%100
115	M125	X	2.437	2.437	0	%100
116	M125	Z	1.407	1.407	0	%100
117	M126	X	2.955	2.955	0	%100
118	M126	Z	1.706	1.706	0	%100
119	M127	X	2.955	2.955	0	%100
120	M127	Z	1.706	1.706	0	%100
121	M128	X	2.031	2.031	0	%100
122	M128	Z	1.172	1.172	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	1.298	1.298	0	%100
2	M1	Z	2.249	2.249	0	%100
3	M4	X	.462	.462	0	%100
4	M4	Z	.801	.801	0	%100
5	M10	X	1.125	1.125	0	%100
6	M10	Z	1.949	1.949	0	%100
7	MP3A	X	1.396	1.396	0	%100
8	MP3A	Z	2.418	2.418	0	%100
9	MP4A	X	1.396	1.396	0	%100
10	MP4A	Z	2.418	2.418	0	%100
11	MP2A	X	1.545	1.545	0	%100
12	MP2A	Z	2.676	2.676	0	%100
13	MP1A	X	1.396	1.396	0	%100
14	MP1A	Z	2.418	2.418	0	%100
15	M43	X	1.125	1.125	0	%100
16	M43	Z	1.949	1.949	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M46	X	1.668	1.668	0	%100
18	M46	Z	2.889	2.889	0	%100
19	M51B	X	.000159	.000159	0	%100
20	M51B	Z	.000275	.000275	0	%100
21	M52B	X	1.218	1.218	0	%100
22	M52B	Z	2.109	2.109	0	%100
23	M76	X	.547	.547	0	%100
24	M76	Z	.947	.947	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.547	.547	0	%100
30	M84	Z	.947	.947	0	%100
31	M85	X	1.666	1.666	0	%100
32	M85	Z	2.885	2.885	0	%100
33	M91	X	1.738	1.738	0	%100
34	M91	Z	3.011	3.011	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	1.298	1.298	0	%100
38	M35	Z	2.249	2.249	0	%100
39	M36	X	1.849	1.849	0	%100
40	M36	Z	3.202	3.202	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	1.246	1.246	0	%100
48	M42	Z	2.158	2.158	0	%100
49	M43A	X	1.246	1.246	0	%100
50	M43A	Z	2.158	2.158	0	%100
51	M47	X	2.188	2.188	0	%100
52	M47	Z	3.79	3.79	0	%100
53	M48	X	1.666	1.666	0	%100
54	M48	Z	2.885	2.885	0	%100
55	M50A	X	1.738	1.738	0	%100
56	M50A	Z	3.011	3.011	0	%100
57	M52A	X	2.188	2.188	0	%100
58	M52A	Z	3.79	3.79	0	%100
59	M53	X	1.666	1.666	0	%100
60	M53	Z	2.885	2.885	0	%100
61	M55	X	1.738	1.738	0	%100
62	M55	Z	3.011	3.011	0	%100
63	M60	X	.462	.462	0	%100
64	M60	Z	.801	.801	0	%100
65	M61	X	1.125	1.125	0	%100
66	M61	Z	1.949	1.949	0	%100
67	M62	X	1.125	1.125	0	%100
68	M62	Z	1.949	1.949	0	%100

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

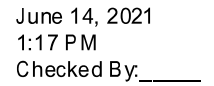
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
69	M63	X	1.668	1.668	0	%100
70	M63	Z	2.889	2.889	0	%100
71	M66	X	1.218	1.218	0	%100
72	M66	Z	2.109	2.109	0	%100
73	M67	X	.000159	.000159	0	%100
74	M67	Z	.000275	.000275	0	%100
75	M71	X	.547	.547	0	%100
76	M71	Z	.947	.947	0	%100
77	M72	X	1.666	1.666	0	%100
78	M72	Z	2.885	2.885	0	%100
79	M74	X	1.738	1.738	0	%100
80	M74	Z	3.011	3.011	0	%100
81	M76A	X	.547	.547	0	%100
82	M76A	Z	.947	.947	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	1.396	1.396	0	%100
88	MP3C	Z	2.418	2.418	0	%100
89	MP4C	X	1.396	1.396	0	%100
90	MP4C	Z	2.418	2.418	0	%100
91	MP2C	X	1.545	1.545	0	%100
92	MP2C	Z	2.676	2.676	0	%100
93	MP1C	X	1.396	1.396	0	%100
94	MP1C	Z	2.418	2.418	0	%100
95	MP3B	X	1.396	1.396	0	%100
96	MP3B	Z	2.418	2.418	0	%100
97	MP4B	X	1.396	1.396	0	%100
98	MP4B	Z	2.418	2.418	0	%100
99	MP2B	X	1.545	1.545	0	%100
100	MP2B	Z	2.676	2.676	0	%100
101	MP1B	X	1.396	1.396	0	%100
102	MP1B	Z	2.418	2.418	0	%100
103	M101	X	1.147	1.147	0	%100
104	M101	Z	1.986	1.986	0	%100
105	M102	X	1.298	1.298	0	%100
106	M102	Z	2.249	2.249	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	1.298	1.298	0	%100
110	M112	Z	2.249	2.249	0	%100
111	M119	X	1.055	1.055	0	%100
112	M119	Z	1.828	1.828	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	1.055	1.055	0	%100
116	M125	Z	1.828	1.828	0	%100
117	M126	X	1.35	1.35	0	%100
118	M126	Z	2.339	2.339	0	%100
119	M127	X	1.884	1.884	0	%100
120	M127	Z	3.263	3.263	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,%]
121	M128	X	1.35	1.35	0	% 100
122	M128	Z	2.339	2.339	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	3.462	3.462	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.001	3.001	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	2.793	2.793	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	2.793	2.793	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	3.09	3.09	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	2.793	2.793	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	3.001	3.001	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	4.448	4.448	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.793	.793	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.793	.793	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	1.111	1.111	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	1.159	1.159	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	1.111	1.111	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	1.159	1.159	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	.866	.866	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	.866	.866	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	2.773	2.773	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	.75	.75	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	.75	.75	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	1.112	1.112	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
47	M42	X	0	0	0	%100
48	M42	Z	.849	.849	0	%100
49	M43A	X	0	0	0	%100
50	M43A	Z	3.284	3.284	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	3.282	3.282	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	1.111	1.111	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	1.159	1.159	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	3.282	3.282	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	4.442	4.442	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	4.636	4.636	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	2.773	2.773	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	.75	.75	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	.75	.75	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	1.112	1.112	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	3.284	3.284	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	.849	.849	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	3.282	3.282	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	4.442	4.442	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	4.636	4.636	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	3.282	3.282	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	1.111	1.111	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	1.159	1.159	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	2.793	2.793	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	2.793	2.793	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	3.09	3.09	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	2.793	2.793	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	2.793	2.793	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	2.793	2.793	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, %]
99	MP2B	X	0	0	0	%100
100	MP2B	Z	3.09	3.09	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	2.793	2.793	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	2.293	2.293	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	3.462	3.462	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	.866	.866	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	.866	.866	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	2.815	2.815	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	.704	.704	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.704	.704	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	2.345	2.345	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	3.412	3.412	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	3.412	3.412	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	-1.298	-1.298	0	%100
2	M1	Z	2.249	2.249	0	%100
3	M4	X	-.462	-.462	0	%100
4	M4	Z	.801	.801	0	%100
5	M10	X	-1.125	-1.125	0	%100
6	M10	Z	1.949	1.949	0	%100
7	MP3A	X	-1.396	-1.396	0	%100
8	MP3A	Z	2.418	2.418	0	%100
9	MP4A	X	-1.396	-1.396	0	%100
10	MP4A	Z	2.418	2.418	0	%100
11	MP2A	X	-1.545	-1.545	0	%100
12	MP2A	Z	2.676	2.676	0	%100
13	MP1A	X	-1.396	-1.396	0	%100
14	MP1A	Z	2.418	2.418	0	%100
15	M43	X	-1.125	-1.125	0	%100
16	M43	Z	1.949	1.949	0	%100
17	M46	X	-1.668	-1.668	0	%100
18	M46	Z	2.889	2.889	0	%100
19	M51B	X	-1.218	-1.218	0	%100
20	M51B	Z	2.109	2.109	0	%100
21	M52B	X	-.000159	-.000159	0	%100
22	M52B	Z	.000275	.000275	0	%100
23	M76	X	-.547	-.547	0	%100
24	M76	Z	.947	.947	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,%]
25	M77	X	-1.666	-1.666	0	%100
26	M77	Z	2.885	2.885	0	%100
27	M80	X	-1.738	-1.738	0	%100
28	M80	Z	3.011	3.011	0	%100
29	M84	X	-.547	-.547	0	%100
30	M84	Z	.947	.947	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-1.298	-1.298	0	%100
36	M34	Z	2.249	2.249	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-.462	-.462	0	%100
40	M36	Z	.801	.801	0	%100
41	M37	X	-1.125	-1.125	0	%100
42	M37	Z	1.949	1.949	0	%100
43	M38	X	-1.125	-1.125	0	%100
44	M38	Z	1.949	1.949	0	%100
45	M39	X	-1.668	-1.668	0	%100
46	M39	Z	2.889	2.889	0	%100
47	M42	X	-.000159	-.000159	0	%100
48	M42	Z	.000275	.000275	0	%100
49	M43A	X	-1.218	-1.218	0	%100
50	M43A	Z	2.109	2.109	0	%100
51	M47	X	-.547	-.547	0	%100
52	M47	Z	.947	.947	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	-.547	-.547	0	%100
58	M52A	Z	.947	.947	0	%100
59	M53	X	-1.666	-1.666	0	%100
60	M53	Z	2.885	2.885	0	%100
61	M55	X	-1.738	-1.738	0	%100
62	M55	Z	3.011	3.011	0	%100
63	M60	X	-1.849	-1.849	0	%100
64	M60	Z	3.202	3.202	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	-1.246	-1.246	0	%100
72	M66	Z	2.158	2.158	0	%100
73	M67	X	-1.246	-1.246	0	%100
74	M67	Z	2.158	2.158	0	%100
75	M71	X	-2.188	-2.188	0	%100
76	M71	Z	3.79	3.79	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, %]
77	M72	X	-1.666	-1.666	0	%100
78	M72	Z	2.885	2.885	0	%100
79	M74	X	-1.738	-1.738	0	%100
80	M74	Z	3.011	3.011	0	%100
81	M76A	X	-2.188	-2.188	0	%100
82	M76A	Z	3.79	3.79	0	%100
83	M77A	X	-1.666	-1.666	0	%100
84	M77A	Z	2.885	2.885	0	%100
85	M79A	X	-1.738	-1.738	0	%100
86	M79A	Z	3.011	3.011	0	%100
87	MP3C	X	-1.396	-1.396	0	%100
88	MP3C	Z	2.418	2.418	0	%100
89	MP4C	X	-1.396	-1.396	0	%100
90	MP4C	Z	2.418	2.418	0	%100
91	MP2C	X	-1.545	-1.545	0	%100
92	MP2C	Z	2.676	2.676	0	%100
93	MP1C	X	-1.396	-1.396	0	%100
94	MP1C	Z	2.418	2.418	0	%100
95	MP3B	X	-1.396	-1.396	0	%100
96	MP3B	Z	2.418	2.418	0	%100
97	MP4B	X	-1.396	-1.396	0	%100
98	MP4B	Z	2.418	2.418	0	%100
99	MP2B	X	-1.545	-1.545	0	%100
100	MP2B	Z	2.676	2.676	0	%100
101	MP1B	X	-1.396	-1.396	0	%100
102	MP1B	Z	2.418	2.418	0	%100
103	M101	X	-1.147	-1.147	0	%100
104	M101	Z	1.986	1.986	0	%100
105	M102	X	-1.298	-1.298	0	%100
106	M102	Z	2.249	2.249	0	%100
107	M107	X	-1.298	-1.298	0	%100
108	M107	Z	2.249	2.249	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	-1.055	-1.055	0	%100
112	M119	Z	1.828	1.828	0	%100
113	M122	X	-1.055	-1.055	0	%100
114	M122	Z	1.828	1.828	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	-1.35	-1.35	0	%100
118	M126	Z	2.339	2.339	0	%100
119	M127	X	-1.35	-1.35	0	%100
120	M127	Z	2.339	2.339	0	%100
121	M128	X	-1.884	-1.884	0	%100
122	M128	Z	3.263	3.263	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	-.75	-.75	0	%100
2	M1	Z	.433	.433	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,%]
3	M4	X	-2.402	-2.402	0	%100
4	M4	Z	1.387	1.387	0	%100
5	M10	X	-.65	-.65	0	%100
6	M10	Z	.375	.375	0	%100
7	MP3A	X	-2.418	-2.418	0	%100
8	MP3A	Z	1.396	1.396	0	%100
9	MP4A	X	-2.418	-2.418	0	%100
10	MP4A	Z	1.396	1.396	0	%100
11	MP2A	X	-2.676	-2.676	0	%100
12	MP2A	Z	1.545	1.545	0	%100
13	MP1A	X	-2.418	-2.418	0	%100
14	MP1A	Z	1.396	1.396	0	%100
15	M43	X	-.65	-.65	0	%100
16	M43	Z	.375	.375	0	%100
17	M46	X	-.963	-.963	0	%100
18	M46	Z	.556	.556	0	%100
19	M51B	X	-2.844	-2.844	0	%100
20	M51B	Z	1.642	1.642	0	%100
21	M52B	X	-.736	-.736	0	%100
22	M52B	Z	.425	.425	0	%100
23	M76	X	-2.842	-2.842	0	%100
24	M76	Z	1.641	1.641	0	%100
25	M77	X	-3.847	-3.847	0	%100
26	M77	Z	2.221	2.221	0	%100
27	M80	X	-4.015	-4.015	0	%100
28	M80	Z	2.318	2.318	0	%100
29	M84	X	-2.842	-2.842	0	%100
30	M84	Z	1.641	1.641	0	%100
31	M85	X	-.962	-.962	0	%100
32	M85	Z	.555	.555	0	%100
33	M91	X	-1.004	-1.004	0	%100
34	M91	Z	.579	.579	0	%100
35	M34	X	-2.998	-2.998	0	%100
36	M34	Z	1.731	1.731	0	%100
37	M35	X	-.75	-.75	0	%100
38	M35	Z	.433	.433	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-2.599	-2.599	0	%100
42	M37	Z	1.5	1.5	0	%100
43	M38	X	-2.599	-2.599	0	%100
44	M38	Z	1.5	1.5	0	%100
45	M39	X	-3.852	-3.852	0	%100
46	M39	Z	2.224	2.224	0	%100
47	M42	X	-.687	-.687	0	%100
48	M42	Z	.397	.397	0	%100
49	M43A	X	-.687	-.687	0	%100
50	M43A	Z	.397	.397	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-.962	-.962	0	%100
54	M48	Z	.555	.555	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,%]
55	M50A	X	-1.004	-1.004	0	%100
56	M50A	Z	.579	.579	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	-.962	-.962	0	%100
60	M53	Z	.555	.555	0	%100
61	M55	X	-1.004	-1.004	0	%100
62	M55	Z	.579	.579	0	%100
63	M60	X	-2.402	-2.402	0	%100
64	M60	Z	1.387	1.387	0	%100
65	M61	X	-.65	-.65	0	%100
66	M61	Z	.375	.375	0	%100
67	M62	X	-.65	-.65	0	%100
68	M62	Z	.375	.375	0	%100
69	M63	X	-.963	-.963	0	%100
70	M63	Z	.556	.556	0	%100
71	M66	X	-.736	-.736	0	%100
72	M66	Z	.425	.425	0	%100
73	M67	X	-2.844	-2.844	0	%100
74	M67	Z	1.642	1.642	0	%100
75	M71	X	-2.842	-2.842	0	%100
76	M71	Z	1.641	1.641	0	%100
77	M72	X	-.962	-.962	0	%100
78	M72	Z	.555	.555	0	%100
79	M74	X	-1.004	-1.004	0	%100
80	M74	Z	.579	.579	0	%100
81	M76A	X	-2.842	-2.842	0	%100
82	M76A	Z	1.641	1.641	0	%100
83	M77A	X	-3.847	-3.847	0	%100
84	M77A	Z	2.221	2.221	0	%100
85	M79A	X	-4.015	-4.015	0	%100
86	M79A	Z	2.318	2.318	0	%100
87	MP3C	X	-2.418	-2.418	0	%100
88	MP3C	Z	1.396	1.396	0	%100
89	MP4C	X	-2.418	-2.418	0	%100
90	MP4C	Z	1.396	1.396	0	%100
91	MP2C	X	-2.676	-2.676	0	%100
92	MP2C	Z	1.545	1.545	0	%100
93	MP1C	X	-2.418	-2.418	0	%100
94	MP1C	Z	1.396	1.396	0	%100
95	MP3B	X	-2.418	-2.418	0	%100
96	MP3B	Z	1.396	1.396	0	%100
97	MP4B	X	-2.418	-2.418	0	%100
98	MP4B	Z	1.396	1.396	0	%100
99	MP2B	X	-2.676	-2.676	0	%100
100	MP2B	Z	1.545	1.545	0	%100
101	MP1B	X	-2.418	-2.418	0	%100
102	MP1B	Z	1.396	1.396	0	%100
103	M101	X	-1.986	-1.986	0	%100
104	M101	Z	1.147	1.147	0	%100
105	M102	X	-.75	-.75	0	%100
106	M102	Z	.433	.433	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,%]
107	M107	X	-2.998	-2.998	0	%100
108	M107	Z	1.731	1.731	0	%100
109	M112	X	-.75	-.75	0	%100
110	M112	Z	.433	.433	0	%100
111	M119	X	-.609	-.609	0	%100
112	M119	Z	.352	.352	0	%100
113	M122	X	-2.437	-2.437	0	%100
114	M122	Z	1.407	1.407	0	%100
115	M125	X	-.609	-.609	0	%100
116	M125	Z	.352	.352	0	%100
117	M126	X	-2.955	-2.955	0	%100
118	M126	Z	1.706	1.706	0	%100
119	M127	X	-2.031	-2.031	0	%100
120	M127	Z	1.172	1.172	0	%100
121	M128	X	-2.955	-2.955	0	%100
122	M128	Z	1.706	1.706	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-3.698	-3.698	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-2.793	-2.793	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-2.793	-2.793	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-3.09	-3.09	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-2.793	-2.793	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-2.491	-2.491	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-2.491	-2.491	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-4.376	-4.376	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-3.332	-3.332	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-3.477	-3.477	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-4.376	-4.376	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-3.332	-3.332	0	%100
32	M85	Z	0	0	0	%100

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

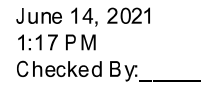
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
33	M91	X	-3.477	-3.477	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-2.597	-2.597	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-2.597	-2.597	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-.924	-.924	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-2.251	-2.251	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	-2.251	-2.251	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	-3.336	-3.336	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	-2.435	-2.435	0	%100
48	M42	Z	0	0	0	%100
49	M43A	X	-.000318	-.000318	0	%100
50	M43A	Z	0	0	0	%100
51	M47	X	-1.094	-1.094	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-3.332	-3.332	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	-3.477	-3.477	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	-1.094	-1.094	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	0	0	0	%100
63	M60	X	-.924	-.924	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-2.251	-2.251	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	-2.251	-2.251	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	-3.336	-3.336	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	-.000318	-.000318	0	%100
72	M66	Z	0	0	0	%100
73	M67	X	-2.435	-2.435	0	%100
74	M67	Z	0	0	0	%100
75	M71	X	-1.094	-1.094	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	0	0	0	%100
81	M76A	X	-1.094	-1.094	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	-3.332	-3.332	0	%100
84	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M79A	X	-3.477	-3.477	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	-2.793	-2.793	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	-2.793	-2.793	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-3.09	-3.09	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	-2.793	-2.793	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	-2.793	-2.793	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	-2.793	-2.793	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	-3.09	-3.09	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	-2.793	-2.793	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	-2.293	-2.293	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	-2.597	-2.597	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-2.597	-2.597	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	0	0	0	%100
113	M122	X	-2.111	-2.111	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	-2.111	-2.111	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	-3.768	-3.768	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-2.701	-2.701	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-2.701	-2.701	0	%100
122	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	- .75	- .75	0	%100
2	M1	Z	- .433	- .433	0	%100
3	M4	X	-2.402	-2.402	0	%100
4	M4	Z	-1.387	-1.387	0	%100
5	M10	X	- .65	- .65	0	%100
6	M10	Z	- .375	- .375	0	%100
7	MP3A	X	-2.418	-2.418	0	%100
8	MP3A	Z	-1.396	-1.396	0	%100
9	MP4A	X	-2.418	-2.418	0	%100
10	MP4A	Z	-1.396	-1.396	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	MP2A	X	-2.676	-2.676	0	%100
12	MP2A	Z	-1.545	-1.545	0	%100
13	MP1A	X	-2.418	-2.418	0	%100
14	MP1A	Z	-1.396	-1.396	0	%100
15	M43	X	-.65	-.65	0	%100
16	M43	Z	-.375	-.375	0	%100
17	M46	X	-.963	-.963	0	%100
18	M46	Z	-.556	-.556	0	%100
19	M51B	X	-.736	-.736	0	%100
20	M51B	Z	-.425	-.425	0	%100
21	M52B	X	-2.844	-2.844	0	%100
22	M52B	Z	-1.642	-1.642	0	%100
23	M76	X	-2.842	-2.842	0	%100
24	M76	Z	-1.641	-1.641	0	%100
25	M77	X	-.962	-.962	0	%100
26	M77	Z	-.555	-.555	0	%100
27	M80	X	-1.004	-1.004	0	%100
28	M80	Z	-.579	-.579	0	%100
29	M84	X	-2.842	-2.842	0	%100
30	M84	Z	-1.641	-1.641	0	%100
31	M85	X	-3.847	-3.847	0	%100
32	M85	Z	-2.221	-2.221	0	%100
33	M91	X	-4.015	-4.015	0	%100
34	M91	Z	-2.318	-2.318	0	%100
35	M34	X	-.75	-.75	0	%100
36	M34	Z	-.433	-.433	0	%100
37	M35	X	-2.998	-2.998	0	%100
38	M35	Z	-1.731	-1.731	0	%100
39	M36	X	-2.402	-2.402	0	%100
40	M36	Z	-1.387	-1.387	0	%100
41	M37	X	-.65	-.65	0	%100
42	M37	Z	-.375	-.375	0	%100
43	M38	X	-.65	-.65	0	%100
44	M38	Z	-.375	-.375	0	%100
45	M39	X	-.963	-.963	0	%100
46	M39	Z	-.556	-.556	0	%100
47	M42	X	-2.844	-2.844	0	%100
48	M42	Z	-1.642	-1.642	0	%100
49	M43A	X	-.736	-.736	0	%100
50	M43A	Z	-.425	-.425	0	%100
51	M47	X	-2.842	-2.842	0	%100
52	M47	Z	-1.641	-1.641	0	%100
53	M48	X	-3.847	-3.847	0	%100
54	M48	Z	-2.221	-2.221	0	%100
55	M50A	X	-4.015	-4.015	0	%100
56	M50A	Z	-2.318	-2.318	0	%100
57	M52A	X	-2.842	-2.842	0	%100
58	M52A	Z	-1.641	-1.641	0	%100
59	M53	X	-.962	-.962	0	%100
60	M53	Z	-.555	-.555	0	%100
61	M55	X	-1.004	-1.004	0	%100
62	M55	Z	-.579	-.579	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,%]
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-2.599	-2.599	0	%100
66	M61	Z	-1.5	-1.5	0	%100
67	M62	X	-2.599	-2.599	0	%100
68	M62	Z	-1.5	-1.5	0	%100
69	M63	X	-3.852	-3.852	0	%100
70	M63	Z	-2.224	-2.224	0	%100
71	M66	X	-.687	-.687	0	%100
72	M66	Z	-.397	-.397	0	%100
73	M67	X	-.687	-.687	0	%100
74	M67	Z	-.397	-.397	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	-.962	-.962	0	%100
78	M72	Z	-.555	-.555	0	%100
79	M74	X	-1.004	-1.004	0	%100
80	M74	Z	-.579	-.579	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	-.962	-.962	0	%100
84	M77A	Z	-.555	-.555	0	%100
85	M79A	X	-1.004	-1.004	0	%100
86	M79A	Z	-.579	-.579	0	%100
87	MP3C	X	-2.418	-2.418	0	%100
88	MP3C	Z	-1.396	-1.396	0	%100
89	MP4C	X	-2.418	-2.418	0	%100
90	MP4C	Z	-1.396	-1.396	0	%100
91	MP2C	X	-2.676	-2.676	0	%100
92	MP2C	Z	-1.545	-1.545	0	%100
93	MP1C	X	-2.418	-2.418	0	%100
94	MP1C	Z	-1.396	-1.396	0	%100
95	MP3B	X	-2.418	-2.418	0	%100
96	MP3B	Z	-1.396	-1.396	0	%100
97	MP4B	X	-2.418	-2.418	0	%100
98	MP4B	Z	-1.396	-1.396	0	%100
99	MP2B	X	-2.676	-2.676	0	%100
100	MP2B	Z	-1.545	-1.545	0	%100
101	MP1B	X	-2.418	-2.418	0	%100
102	MP1B	Z	-1.396	-1.396	0	%100
103	M101	X	-1.986	-1.986	0	%100
104	M101	Z	-1.147	-1.147	0	%100
105	M102	X	-.75	-.75	0	%100
106	M102	Z	-.433	-.433	0	%100
107	M107	X	-.75	-.75	0	%100
108	M107	Z	-.433	-.433	0	%100
109	M112	X	-2.998	-2.998	0	%100
110	M112	Z	-1.731	-1.731	0	%100
111	M119	X	-.609	-.609	0	%100
112	M119	Z	-.352	-.352	0	%100
113	M122	X	-.609	-.609	0	%100
114	M122	Z	-.352	-.352	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, %]
115	M125	X	-2.437	-2.437	0	%100
116	M125	Z	-1.407	-1.407	0	%100
117	M126	X	-2.955	-2.955	0	%100
118	M126	Z	-1.706	-1.706	0	%100
119	M127	X	-2.955	-2.955	0	%100
120	M127	Z	-1.706	-1.706	0	%100
121	M128	X	-2.031	-2.031	0	%100
122	M128	Z	-1.172	-1.172	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	-1.298	-1.298	0	%100
2	M1	Z	-2.249	-2.249	0	%100
3	M4	X	-.462	-.462	0	%100
4	M4	Z	-.801	-.801	0	%100
5	M10	X	-1.125	-1.125	0	%100
6	M10	Z	-1.949	-1.949	0	%100
7	MP3A	X	-1.396	-1.396	0	%100
8	MP3A	Z	-2.418	-2.418	0	%100
9	MP4A	X	-1.396	-1.396	0	%100
10	MP4A	Z	-2.418	-2.418	0	%100
11	MP2A	X	-1.545	-1.545	0	%100
12	MP2A	Z	-2.676	-2.676	0	%100
13	MP1A	X	-1.396	-1.396	0	%100
14	MP1A	Z	-2.418	-2.418	0	%100
15	M43	X	-1.125	-1.125	0	%100
16	M43	Z	-1.949	-1.949	0	%100
17	M46	X	-1.668	-1.668	0	%100
18	M46	Z	-2.889	-2.889	0	%100
19	M51B	X	-.000159	-.000159	0	%100
20	M51B	Z	-.000275	-.000275	0	%100
21	M52B	X	-1.218	-1.218	0	%100
22	M52B	Z	-2.109	-2.109	0	%100
23	M76	X	-.547	-.547	0	%100
24	M76	Z	-.947	-.947	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.547	-.547	0	%100
30	M84	Z	-.947	-.947	0	%100
31	M85	X	-1.666	-1.666	0	%100
32	M85	Z	-2.885	-2.885	0	%100
33	M91	X	-1.738	-1.738	0	%100
34	M91	Z	-3.011	-3.011	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-1.298	-1.298	0	%100
38	M35	Z	-2.249	-2.249	0	%100
39	M36	X	-1.849	-1.849	0	%100
40	M36	Z	-3.202	-3.202	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,%]
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	-1.246	-1.246	0	%100
48	M42	Z	-2.158	-2.158	0	%100
49	M43A	X	-1.246	-1.246	0	%100
50	M43A	Z	-2.158	-2.158	0	%100
51	M47	X	-2.188	-2.188	0	%100
52	M47	Z	-3.79	-3.79	0	%100
53	M48	X	-1.666	-1.666	0	%100
54	M48	Z	-2.885	-2.885	0	%100
55	M50A	X	-1.738	-1.738	0	%100
56	M50A	Z	-3.011	-3.011	0	%100
57	M52A	X	-2.188	-2.188	0	%100
58	M52A	Z	-3.79	-3.79	0	%100
59	M53	X	-1.666	-1.666	0	%100
60	M53	Z	-2.885	-2.885	0	%100
61	M55	X	-1.738	-1.738	0	%100
62	M55	Z	-3.011	-3.011	0	%100
63	M60	X	-.462	-.462	0	%100
64	M60	Z	-.801	-.801	0	%100
65	M61	X	-1.125	-1.125	0	%100
66	M61	Z	-1.949	-1.949	0	%100
67	M62	X	-1.125	-1.125	0	%100
68	M62	Z	-1.949	-1.949	0	%100
69	M63	X	-1.668	-1.668	0	%100
70	M63	Z	-2.889	-2.889	0	%100
71	M66	X	-1.218	-1.218	0	%100
72	M66	Z	-2.109	-2.109	0	%100
73	M67	X	-.000159	-.000159	0	%100
74	M67	Z	-.000275	-.000275	0	%100
75	M71	X	-.547	-.547	0	%100
76	M71	Z	-.947	-.947	0	%100
77	M72	X	-1.666	-1.666	0	%100
78	M72	Z	-2.885	-2.885	0	%100
79	M74	X	-1.738	-1.738	0	%100
80	M74	Z	-3.011	-3.011	0	%100
81	M76A	X	-.547	-.547	0	%100
82	M76A	Z	-.947	-.947	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	-1.396	-1.396	0	%100
88	MP3C	Z	-2.418	-2.418	0	%100
89	MP4C	X	-1.396	-1.396	0	%100
90	MP4C	Z	-2.418	-2.418	0	%100
91	MP2C	X	-1.545	-1.545	0	%100
92	MP2C	Z	-2.676	-2.676	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, %]
93	MP 1C	X	-1.396	-1.396	0	%100
94	MP 1C	Z	-2.418	-2.418	0	%100
95	MP3B	X	-1.396	-1.396	0	%100
96	MP3B	Z	-2.418	-2.418	0	%100
97	MP4B	X	-1.396	-1.396	0	%100
98	MP4B	Z	-2.418	-2.418	0	%100
99	MP2B	X	-1.545	-1.545	0	%100
100	MP2B	Z	-2.676	-2.676	0	%100
101	MP 1B	X	-1.396	-1.396	0	%100
102	MP 1B	Z	-2.418	-2.418	0	%100
103	M101	X	-1.147	-1.147	0	%100
104	M101	Z	-1.986	-1.986	0	%100
105	M102	X	-1.298	-1.298	0	%100
106	M102	Z	-2.249	-2.249	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-1.298	-1.298	0	%100
110	M112	Z	-2.249	-2.249	0	%100
111	M119	X	-1.055	-1.055	0	%100
112	M119	Z	-1.828	-1.828	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	-1.055	-1.055	0	%100
116	M125	Z	-1.828	-1.828	0	%100
117	M126	X	-1.35	-1.35	0	%100
118	M126	Z	-2.339	-2.339	0	%100
119	M127	X	-1.884	-1.884	0	%100
120	M127	Z	-3.263	-3.263	0	%100
121	M128	X	-1.35	-1.35	0	%100
122	M128	Z	-2.339	-2.339	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	-.75	-.75	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.701	-.701	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	-.509	-.509	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	-.509	-.509	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	-.616	-.616	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	-.509	-.509	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	-.701	-.701	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	-1.286	-1.286	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,%]
19	M51B	X	0	0	0	%100
20	M51B	Z	-.173	-.173	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	-.173	-.173	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	-.327	-.327	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	-.345	-.345	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	-.327	-.327	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	-.345	-.345	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	-.188	-.188	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	-.188	-.188	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	-.626	-.626	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	-.175	-.175	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	-.175	-.175	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	-.321	-.321	0	%100
47	M42	X	0	0	0	%100
48	M42	Z	-.185	-.185	0	%100
49	M43A	X	0	0	0	%100
50	M43A	Z	-.714	-.714	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	-.964	-.964	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	-.327	-.327	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	-.345	-.345	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	-.964	-.964	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	-1.31	-1.31	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	-1.379	-1.379	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	-.626	-.626	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	-.175	-.175	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	-.175	-.175	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	-.321	-.321	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,%]
71	M66	X	0	0	0	%100
72	M66	Z	-.714	-.714	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	-.185	-.185	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	-.964	-.964	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	-1.31	-1.31	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	-1.379	-1.379	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	-.964	-.964	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	-.327	-.327	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	-.345	-.345	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	-.509	-.509	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.509	-.509	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.616	-.616	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.509	-.509	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	-.509	-.509	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	-.509	-.509	0	%100
99	MP2B	X	0	0	0	%100
100	MP2B	Z	-.616	-.616	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.509	-.509	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	-.416	-.416	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	-.75	-.75	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	-.188	-.188	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	-.188	-.188	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	-.692	-.692	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	-.173	-.173	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	-.173	-.173	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-.659	-.659	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-.843	-.843	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-.843	-.843	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	.281	.281	0	%100
2	M1	Z	-.487	-.487	0	%100
3	M4	X	.104	.104	0	%100
4	M4	Z	-.181	-.181	0	%100
5	M10	X	.263	.263	0	%100
6	M10	Z	-.455	-.455	0	%100
7	MP3A	X	.254	.254	0	%100
8	MP3A	Z	-.441	-.441	0	%100
9	MP4A	X	.254	.254	0	%100
10	MP4A	Z	-.441	-.441	0	%100
11	MP2A	X	.308	.308	0	%100
12	MP2A	Z	-.534	-.534	0	%100
13	MP1A	X	.254	.254	0	%100
14	MP1A	Z	-.441	-.441	0	%100
15	M43	X	.263	.263	0	%100
16	M43	Z	-.455	-.455	0	%100
17	M46	X	.482	.482	0	%100
18	M46	Z	-.835	-.835	0	%100
19	M51B	X	.265	.265	0	%100
20	M51B	Z	-.459	-.459	0	%100
21	M52B	X	3.5e-5	3.5e-5	0	%100
22	M52B	Z	-6e-5	-6e-5	0	%100
23	M76	X	.161	.161	0	%100
24	M76	Z	-.278	-.278	0	%100
25	M77	X	.491	.491	0	%100
26	M77	Z	-.851	-.851	0	%100
27	M80	X	.517	.517	0	%100
28	M80	Z	-.896	-.896	0	%100
29	M84	X	.161	.161	0	%100
30	M84	Z	-.278	-.278	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	.281	.281	0	%100
36	M34	Z	-.487	-.487	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	.104	.104	0	%100
40	M36	Z	-.181	-.181	0	%100
41	M37	X	.263	.263	0	%100
42	M37	Z	-.455	-.455	0	%100
43	M38	X	.263	.263	0	%100
44	M38	Z	-.455	-.455	0	%100
45	M39	X	.482	.482	0	%100
46	M39	Z	-.835	-.835	0	%100
47	M42	X	3.5e-5	3.5e-5	0	%100
48	M42	Z	-6e-5	-6e-5	0	%100
49	M43A	X	.265	.265	0	%100
50	M43A	Z	-.459	-.459	0	%100
51	M47	X	.161	.161	0	%100
52	M47	Z	-.278	-.278	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	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	.161	.161	0	%100
58	M52A	Z	-.278	-.278	0	%100
59	M53	X	.491	.491	0	%100
60	M53	Z	-.851	-.851	0	%100
61	M55	X	.517	.517	0	%100
62	M55	Z	-.896	-.896	0	%100
63	M60	X	.417	.417	0	%100
64	M60	Z	-.723	-.723	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	.271	.271	0	%100
72	M66	Z	-.469	-.469	0	%100
73	M67	X	.271	.271	0	%100
74	M67	Z	-.469	-.469	0	%100
75	M71	X	.643	.643	0	%100
76	M71	Z	-1.114	-1.114	0	%100
77	M72	X	.491	.491	0	%100
78	M72	Z	-.851	-.851	0	%100
79	M74	X	.517	.517	0	%100
80	M74	Z	-.896	-.896	0	%100
81	M76A	X	.643	.643	0	%100
82	M76A	Z	-1.114	-1.114	0	%100
83	M77A	X	.491	.491	0	%100
84	M77A	Z	-.851	-.851	0	%100
85	M79A	X	.517	.517	0	%100
86	M79A	Z	-.896	-.896	0	%100
87	MP3C	X	.254	.254	0	%100
88	MP3C	Z	-.441	-.441	0	%100
89	MP4C	X	.254	.254	0	%100
90	MP4C	Z	-.441	-.441	0	%100
91	MP2C	X	.308	.308	0	%100
92	MP2C	Z	-.534	-.534	0	%100
93	MP1C	X	.254	.254	0	%100
94	MP1C	Z	-.441	-.441	0	%100
95	MP3B	X	.254	.254	0	%100
96	MP3B	Z	-.441	-.441	0	%100
97	MP4B	X	.254	.254	0	%100
98	MP4B	Z	-.441	-.441	0	%100
99	MP2B	X	.308	.308	0	%100
100	MP2B	Z	-.534	-.534	0	%100
101	MP1B	X	.254	.254	0	%100
102	MP1B	Z	-.441	-.441	0	%100
103	M101	X	.208	.208	0	%100
104	M101	Z	-.36	-.36	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	M102	X	.281	.281	0	%100
106	M102	Z	-.487	-.487	0	%100
107	M107	X	.281	.281	0	%100
108	M107	Z	-.487	-.487	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	.26	.26	0	%100
112	M119	Z	-.45	-.45	0	%100
113	M122	X	.26	.26	0	%100
114	M122	Z	-.45	-.45	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	.36	.36	0	%100
118	M126	Z	-.624	-.624	0	%100
119	M127	X	.36	.36	0	%100
120	M127	Z	-.624	-.624	0	%100
121	M128	X	.452	.452	0	%100
122	M128	Z	-.783	-.783	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	.162	.162	0	%100
2	M1	Z	-.094	-.094	0	%100
3	M4	X	.542	.542	0	%100
4	M4	Z	-.313	-.313	0	%100
5	M10	X	.152	.152	0	%100
6	M10	Z	-.088	-.088	0	%100
7	MP3A	X	.441	.441	0	%100
8	MP3A	Z	-.254	-.254	0	%100
9	MP4A	X	.441	.441	0	%100
10	MP4A	Z	-.254	-.254	0	%100
11	MP2A	X	.534	.534	0	%100
12	MP2A	Z	-.308	-.308	0	%100
13	MP1A	X	.441	.441	0	%100
14	MP1A	Z	-.254	-.254	0	%100
15	M43	X	.152	.152	0	%100
16	M43	Z	-.088	-.088	0	%100
17	M46	X	.278	.278	0	%100
18	M46	Z	-.161	-.161	0	%100
19	M51B	X	.619	.619	0	%100
20	M51B	Z	-.357	-.357	0	%100
21	M52B	X	.16	.16	0	%100
22	M52B	Z	-.092	-.092	0	%100
23	M76	X	.835	.835	0	%100
24	M76	Z	-.482	-.482	0	%100
25	M77	X	1.134	1.134	0	%100
26	M77	Z	-.655	-.655	0	%100
27	M80	X	1.195	1.195	0	%100
28	M80	Z	-.69	-.69	0	%100
29	M84	X	.835	.835	0	%100
30	M84	Z	-.482	-.482	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, %]
31	M85	X	.284	.284	0	%100
32	M85	Z	-.164	-.164	0	%100
33	M91	X	.299	.299	0	%100
34	M91	Z	-.172	-.172	0	%100
35	M34	X	.65	.65	0	%100
36	M34	Z	-.375	-.375	0	%100
37	M35	X	.162	.162	0	%100
38	M35	Z	-.094	-.094	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	.607	.607	0	%100
42	M37	Z	-.35	-.35	0	%100
43	M38	X	.607	.607	0	%100
44	M38	Z	-.35	-.35	0	%100
45	M39	X	1.114	1.114	0	%100
46	M39	Z	-.643	-.643	0	%100
47	M42	X	.149	.149	0	%100
48	M42	Z	-.086	-.086	0	%100
49	M43A	X	.149	.149	0	%100
50	M43A	Z	-.086	-.086	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	.284	.284	0	%100
54	M48	Z	-.164	-.164	0	%100
55	M50A	X	.299	.299	0	%100
56	M50A	Z	-.172	-.172	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	.284	.284	0	%100
60	M53	Z	-.164	-.164	0	%100
61	M55	X	.299	.299	0	%100
62	M55	Z	-.172	-.172	0	%100
63	M60	X	.542	.542	0	%100
64	M60	Z	-.313	-.313	0	%100
65	M61	X	.152	.152	0	%100
66	M61	Z	-.088	-.088	0	%100
67	M62	X	.152	.152	0	%100
68	M62	Z	-.088	-.088	0	%100
69	M63	X	.278	.278	0	%100
70	M63	Z	-.161	-.161	0	%100
71	M66	X	.16	.16	0	%100
72	M66	Z	-.092	-.092	0	%100
73	M67	X	.619	.619	0	%100
74	M67	Z	-.357	-.357	0	%100
75	M71	X	.835	.835	0	%100
76	M71	Z	-.482	-.482	0	%100
77	M72	X	.284	.284	0	%100
78	M72	Z	-.164	-.164	0	%100
79	M74	X	.299	.299	0	%100
80	M74	Z	-.172	-.172	0	%100
81	M76A	X	.835	.835	0	%100
82	M76A	Z	-.482	-.482	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,%]
83	M77A	X	1.134	1.134	0	%100
84	M77A	Z	-.655	-.655	0	%100
85	M79A	X	1.195	1.195	0	%100
86	M79A	Z	-.69	-.69	0	%100
87	MP3C	X	.441	.441	0	%100
88	MP3C	Z	-.254	-.254	0	%100
89	MP4C	X	.441	.441	0	%100
90	MP4C	Z	-.254	-.254	0	%100
91	MP2C	X	.534	.534	0	%100
92	MP2C	Z	-.308	-.308	0	%100
93	MP1C	X	.441	.441	0	%100
94	MP1C	Z	-.254	-.254	0	%100
95	MP3B	X	.441	.441	0	%100
96	MP3B	Z	-.254	-.254	0	%100
97	MP4B	X	.441	.441	0	%100
98	MP4B	Z	-.254	-.254	0	%100
99	MP2B	X	.534	.534	0	%100
100	MP2B	Z	-.308	-.308	0	%100
101	MP1B	X	.441	.441	0	%100
102	MP1B	Z	-.254	-.254	0	%100
103	M101	X	.36	.36	0	%100
104	M101	Z	-.208	-.208	0	%100
105	M102	X	.162	.162	0	%100
106	M102	Z	-.094	-.094	0	%100
107	M107	X	.65	.65	0	%100
108	M107	Z	-.375	-.375	0	%100
109	M112	X	.162	.162	0	%100
110	M112	Z	-.094	-.094	0	%100
111	M119	X	.15	.15	0	%100
112	M119	Z	-.087	-.087	0	%100
113	M122	X	.6	.6	0	%100
114	M122	Z	-.346	-.346	0	%100
115	M125	X	.15	.15	0	%100
116	M125	Z	-.087	-.087	0	%100
117	M126	X	.73	.73	0	%100
118	M126	Z	-.421	-.421	0	%100
119	M127	X	.57	.57	0	%100
120	M127	Z	-.329	-.329	0	%100
121	M128	X	.73	.73	0	%100
122	M128	Z	-.421	-.421	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.835	.835	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	.509	.509	0	%100
8	MP3A	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,%]
9	MP4A	X	.509	.509	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	.616	.616	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	.509	.509	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	.542	.542	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	.542	.542	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	1.286	1.286	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	.982	.982	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	1.035	1.035	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	1.286	1.286	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	.982	.982	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	1.035	1.035	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	.563	.563	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	.563	.563	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	.209	.209	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	.525	.525	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	.525	.525	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	.964	.964	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	.53	.53	0	%100
48	M42	Z	0	0	0	%100
49	M43A	X	6.9e-5	6.9e-5	0	%100
50	M43A	Z	0	0	0	%100
51	M47	X	.321	.321	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	.982	.982	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	1.035	1.035	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	.321	.321	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	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,%]
61	M55	X	0	0	0	%100
62	M55	Z	0	0	0	%100
63	M60	X	.209	.209	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	.525	.525	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	.525	.525	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	.964	.964	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	6.9e-5	6.9e-5	0	%100
72	M66	Z	0	0	0	%100
73	M67	X	.53	.53	0	%100
74	M67	Z	0	0	0	%100
75	M71	X	.321	.321	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	0	0	0	%100
81	M76A	X	.321	.321	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	.982	.982	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	1.035	1.035	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	.509	.509	0	%100
88	MP3C	Z	0	0	0	%100
89	MP4C	X	.509	.509	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	.616	.616	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1C	X	.509	.509	0	%100
94	MP1C	Z	0	0	0	%100
95	MP3B	X	.509	.509	0	%100
96	MP3B	Z	0	0	0	%100
97	MP4B	X	.509	.509	0	%100
98	MP4B	Z	0	0	0	%100
99	MP2B	X	.616	.616	0	%100
100	MP2B	Z	0	0	0	%100
101	MP1B	X	.509	.509	0	%100
102	MP1B	Z	0	0	0	%100
103	M101	X	.416	.416	0	%100
104	M101	Z	0	0	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	0	0	0	%100
107	M107	X	.563	.563	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	.563	.563	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	0	0	0	%100
112	M119	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,%]
113	M122	X	.519	.519	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	.519	.519	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	.904	.904	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	.72	.72	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	.72	.72	0	%100
122	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	.162	.162	0	%100
2	M1	Z	.094	.094	0	%100
3	M4	X	.542	.542	0	%100
4	M4	Z	.313	.313	0	%100
5	M10	X	.152	.152	0	%100
6	M10	Z	.088	.088	0	%100
7	MP3A	X	.441	.441	0	%100
8	MP3A	Z	.254	.254	0	%100
9	MP4A	X	.441	.441	0	%100
10	MP4A	Z	.254	.254	0	%100
11	MP2A	X	.534	.534	0	%100
12	MP2A	Z	.308	.308	0	%100
13	MP1A	X	.441	.441	0	%100
14	MP1A	Z	.254	.254	0	%100
15	M43	X	.152	.152	0	%100
16	M43	Z	.088	.088	0	%100
17	M46	X	.278	.278	0	%100
18	M46	Z	.161	.161	0	%100
19	M51B	X	.16	.16	0	%100
20	M51B	Z	.092	.092	0	%100
21	M52B	X	.619	.619	0	%100
22	M52B	Z	.357	.357	0	%100
23	M76	X	.835	.835	0	%100
24	M76	Z	.482	.482	0	%100
25	M77	X	.284	.284	0	%100
26	M77	Z	.164	.164	0	%100
27	M80	X	.299	.299	0	%100
28	M80	Z	.172	.172	0	%100
29	M84	X	.835	.835	0	%100
30	M84	Z	.482	.482	0	%100
31	M85	X	1.134	1.134	0	%100
32	M85	Z	.655	.655	0	%100
33	M91	X	1.195	1.195	0	%100
34	M91	Z	.69	.69	0	%100
35	M34	X	.162	.162	0	%100
36	M34	Z	.094	.094	0	%100
37	M35	X	.65	.65	0	%100
38	M35	Z	.375	.375	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,%]
39	M36	X	.542	.542	0	%100
40	M36	Z	.313	.313	0	%100
41	M37	X	.152	.152	0	%100
42	M37	Z	.088	.088	0	%100
43	M38	X	.152	.152	0	%100
44	M38	Z	.088	.088	0	%100
45	M39	X	.278	.278	0	%100
46	M39	Z	.161	.161	0	%100
47	M42	X	.619	.619	0	%100
48	M42	Z	.357	.357	0	%100
49	M43A	X	.16	.16	0	%100
50	M43A	Z	.092	.092	0	%100
51	M47	X	.835	.835	0	%100
52	M47	Z	.482	.482	0	%100
53	M48	X	1.134	1.134	0	%100
54	M48	Z	.655	.655	0	%100
55	M50A	X	1.195	1.195	0	%100
56	M50A	Z	.69	.69	0	%100
57	M52A	X	.835	.835	0	%100
58	M52A	Z	.482	.482	0	%100
59	M53	X	.284	.284	0	%100
60	M53	Z	.164	.164	0	%100
61	M55	X	.299	.299	0	%100
62	M55	Z	.172	.172	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	.607	.607	0	%100
66	M61	Z	.35	.35	0	%100
67	M62	X	.607	.607	0	%100
68	M62	Z	.35	.35	0	%100
69	M63	X	1.114	1.114	0	%100
70	M63	Z	.643	.643	0	%100
71	M66	X	.149	.149	0	%100
72	M66	Z	.086	.086	0	%100
73	M67	X	.149	.149	0	%100
74	M67	Z	.086	.086	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	.284	.284	0	%100
78	M72	Z	.164	.164	0	%100
79	M74	X	.299	.299	0	%100
80	M74	Z	.172	.172	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	.284	.284	0	%100
84	M77A	Z	.164	.164	0	%100
85	M79A	X	.299	.299	0	%100
86	M79A	Z	.172	.172	0	%100
87	MP3C	X	.441	.441	0	%100
88	MP3C	Z	.254	.254	0	%100
89	MP4C	X	.441	.441	0	%100
90	MP4C	Z	.254	.254	0	%100

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

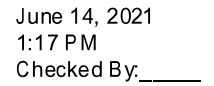
	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP2C	X	.534	.534	0	%100
92	MP2C	Z	.308	.308	0	%100
93	MP1C	X	.441	.441	0	%100
94	MP1C	Z	.254	.254	0	%100
95	MP3B	X	.441	.441	0	%100
96	MP3B	Z	.254	.254	0	%100
97	MP4B	X	.441	.441	0	%100
98	MP4B	Z	.254	.254	0	%100
99	MP2B	X	.534	.534	0	%100
100	MP2B	Z	.308	.308	0	%100
101	MP1B	X	.441	.441	0	%100
102	MP1B	Z	.254	.254	0	%100
103	M101	X	.36	.36	0	%100
104	M101	Z	.208	.208	0	%100
105	M102	X	.162	.162	0	%100
106	M102	Z	.094	.094	0	%100
107	M107	X	.162	.162	0	%100
108	M107	Z	.094	.094	0	%100
109	M112	X	.65	.65	0	%100
110	M112	Z	.375	.375	0	%100
111	M119	X	.15	.15	0	%100
112	M119	Z	.087	.087	0	%100
113	M122	X	.15	.15	0	%100
114	M122	Z	.087	.087	0	%100
115	M125	X	.6	.6	0	%100
116	M125	Z	.346	.346	0	%100
117	M126	X	.73	.73	0	%100
118	M126	Z	.421	.421	0	%100
119	M127	X	.73	.73	0	%100
120	M127	Z	.421	.421	0	%100
121	M128	X	.57	.57	0	%100
122	M128	Z	.329	.329	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	.281	.281	0	%100
2	M1	Z	.487	.487	0	%100
3	M4	X	.104	.104	0	%100
4	M4	Z	.181	.181	0	%100
5	M10	X	.263	.263	0	%100
6	M10	Z	.455	.455	0	%100
7	MP3A	X	.254	.254	0	%100
8	MP3A	Z	.441	.441	0	%100
9	MP4A	X	.254	.254	0	%100
10	MP4A	Z	.441	.441	0	%100
11	MP2A	X	.308	.308	0	%100
12	MP2A	Z	.534	.534	0	%100
13	MP1A	X	.254	.254	0	%100
14	MP1A	Z	.441	.441	0	%100
15	M43	X	.263	.263	0	%100
16	M43	Z	.455	.455	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,%]
17	M46	X	.482	.482	0	%100
18	M46	Z	.835	.835	0	%100
19	M51B	X	3.5e-5	3.5e-5	0	%100
20	M51B	Z	6e-5	6e-5	0	%100
21	M52B	X	.265	.265	0	%100
22	M52B	Z	.459	.459	0	%100
23	M76	X	.161	.161	0	%100
24	M76	Z	.278	.278	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	.161	.161	0	%100
30	M84	Z	.278	.278	0	%100
31	M85	X	.491	.491	0	%100
32	M85	Z	.851	.851	0	%100
33	M91	X	.517	.517	0	%100
34	M91	Z	.896	.896	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	.281	.281	0	%100
38	M35	Z	.487	.487	0	%100
39	M36	X	.417	.417	0	%100
40	M36	Z	.723	.723	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	.271	.271	0	%100
48	M42	Z	.469	.469	0	%100
49	M43A	X	.271	.271	0	%100
50	M43A	Z	.469	.469	0	%100
51	M47	X	.643	.643	0	%100
52	M47	Z	1.114	1.114	0	%100
53	M48	X	.491	.491	0	%100
54	M48	Z	.851	.851	0	%100
55	M50A	X	.517	.517	0	%100
56	M50A	Z	.896	.896	0	%100
57	M52A	X	.643	.643	0	%100
58	M52A	Z	1.114	1.114	0	%100
59	M53	X	.491	.491	0	%100
60	M53	Z	.851	.851	0	%100
61	M55	X	.517	.517	0	%100
62	M55	Z	.896	.896	0	%100
63	M60	X	.104	.104	0	%100
64	M60	Z	.181	.181	0	%100
65	M61	X	.263	.263	0	%100
66	M61	Z	.455	.455	0	%100
67	M62	X	.263	.263	0	%100
68	M62	Z	.455	.455	0	%100



	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
69	M63	X	.482	.482	0	%100
70	M63	Z	.835	.835	0	%100
71	M66	X	.265	.265	0	%100
72	M66	Z	.459	.459	0	%100
73	M67	X	3.5e-5	3.5e-5	0	%100
74	M67	Z	6e-5	6e-5	0	%100
75	M71	X	.161	.161	0	%100
76	M71	Z	.278	.278	0	%100
77	M72	X	.491	.491	0	%100
78	M72	Z	.851	.851	0	%100
79	M74	X	.517	.517	0	%100
80	M74	Z	.896	.896	0	%100
81	M76A	X	.161	.161	0	%100
82	M76A	Z	.278	.278	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	.254	.254	0	%100
88	MP3C	Z	.441	.441	0	%100
89	MP4C	X	.254	.254	0	%100
90	MP4C	Z	.441	.441	0	%100
91	MP2C	X	.308	.308	0	%100
92	MP2C	Z	.534	.534	0	%100
93	MP1C	X	.254	.254	0	%100
94	MP1C	Z	.441	.441	0	%100
95	MP3B	X	.254	.254	0	%100
96	MP3B	Z	.441	.441	0	%100
97	MP4B	X	.254	.254	0	%100
98	MP4B	Z	.441	.441	0	%100
99	MP2B	X	.308	.308	0	%100
100	MP2B	Z	.534	.534	0	%100
101	MP1B	X	.254	.254	0	%100
102	MP1B	Z	.441	.441	0	%100
103	M101	X	.208	.208	0	%100
104	M101	Z	.36	.36	0	%100
105	M102	X	.281	.281	0	%100
106	M102	Z	.487	.487	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	.281	.281	0	%100
110	M112	Z	.487	.487	0	%100
111	M119	X	.26	.26	0	%100
112	M119	Z	.45	.45	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	.26	.26	0	%100
116	M125	Z	.45	.45	0	%100
117	M126	X	.36	.36	0	%100
118	M126	Z	.624	.624	0	%100
119	M127	X	.452	.452	0	%100
120	M127	Z	.783	.783	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, %]
121	M128	X	.36	.36	0	%100
122	M128	Z	.624	.624	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	.75	.75	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.701	.701	0	%100
7	MP3A	X	0	0	0	%100
8	MP3A	Z	.509	.509	0	%100
9	MP4A	X	0	0	0	%100
10	MP4A	Z	.509	.509	0	%100
11	MP2A	X	0	0	0	%100
12	MP2A	Z	.616	.616	0	%100
13	MP1A	X	0	0	0	%100
14	MP1A	Z	.509	.509	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	.701	.701	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	1.286	1.286	0	%100
19	M51B	X	0	0	0	%100
20	M51B	Z	.173	.173	0	%100
21	M52B	X	0	0	0	%100
22	M52B	Z	.173	.173	0	%100
23	M76	X	0	0	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	.327	.327	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	.345	.345	0	%100
29	M84	X	0	0	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	.327	.327	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	.345	.345	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	.188	.188	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	.188	.188	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	.626	.626	0	%100
41	M37	X	0	0	0	%100
42	M37	Z	.175	.175	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	.175	.175	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	.321	.321	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,%]
47	M42	X	0	0	0	%100
48	M42	Z	.185	.185	0	%100
49	M43A	X	0	0	0	%100
50	M43A	Z	.714	.714	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	.964	.964	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	.327	.327	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	.345	.345	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	.964	.964	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	1.31	1.31	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	1.379	1.379	0	%100
63	M60	X	0	0	0	%100
64	M60	Z	.626	.626	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	.175	.175	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	.175	.175	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	.321	.321	0	%100
71	M66	X	0	0	0	%100
72	M66	Z	.714	.714	0	%100
73	M67	X	0	0	0	%100
74	M67	Z	.185	.185	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	.964	.964	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	1.31	1.31	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	1.379	1.379	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	.964	.964	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	.327	.327	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	.345	.345	0	%100
87	MP3C	X	0	0	0	%100
88	MP3C	Z	.509	.509	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.509	.509	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.616	.616	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.509	.509	0	%100
95	MP3B	X	0	0	0	%100
96	MP3B	Z	.509	.509	0	%100
97	MP4B	X	0	0	0	%100
98	MP4B	Z	.509	.509	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,%]
99	MP2B	X	0	0	0	%100
100	MP2B	Z	.616	.616	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.509	.509	0	%100
103	M101	X	0	0	0	%100
104	M101	Z	.416	.416	0	%100
105	M102	X	0	0	0	%100
106	M102	Z	.75	.75	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	.188	.188	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	.188	.188	0	%100
111	M119	X	0	0	0	%100
112	M119	Z	.692	.692	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	.173	.173	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	.173	.173	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	.659	.659	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	.843	.843	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	.843	.843	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	-.281	-.281	0	%100
2	M1	Z	.487	.487	0	%100
3	M4	X	-.104	-.104	0	%100
4	M4	Z	.181	.181	0	%100
5	M10	X	-.263	-.263	0	%100
6	M10	Z	.455	.455	0	%100
7	MP3A	X	-.254	-.254	0	%100
8	MP3A	Z	.441	.441	0	%100
9	MP4A	X	-.254	-.254	0	%100
10	MP4A	Z	.441	.441	0	%100
11	MP2A	X	-.308	-.308	0	%100
12	MP2A	Z	.534	.534	0	%100
13	MP1A	X	-.254	-.254	0	%100
14	MP1A	Z	.441	.441	0	%100
15	M43	X	-.263	-.263	0	%100
16	M43	Z	.455	.455	0	%100
17	M46	X	-.482	-.482	0	%100
18	M46	Z	.835	.835	0	%100
19	M51B	X	-.265	-.265	0	%100
20	M51B	Z	.459	.459	0	%100
21	M52B	X	-3.5e-5	-3.5e-5	0	%100
22	M52B	Z	6e-5	6e-5	0	%100
23	M76	X	-.161	-.161	0	%100
24	M76	Z	.278	.278	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, %]
25	M77	X	-.491	-.491	0	%100
26	M77	Z	.851	.851	0	%100
27	M80	X	-.517	-.517	0	%100
28	M80	Z	.896	.896	0	%100
29	M84	X	-.161	-.161	0	%100
30	M84	Z	.278	.278	0	%100
31	M85	X	0	0	0	%100
32	M85	Z	0	0	0	%100
33	M91	X	0	0	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-.281	-.281	0	%100
36	M34	Z	.487	.487	0	%100
37	M35	X	0	0	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-.104	-.104	0	%100
40	M36	Z	.181	.181	0	%100
41	M37	X	-.263	-.263	0	%100
42	M37	Z	.455	.455	0	%100
43	M38	X	-.263	-.263	0	%100
44	M38	Z	.455	.455	0	%100
45	M39	X	-.482	-.482	0	%100
46	M39	Z	.835	.835	0	%100
47	M42	X	-3.5e-5	-3.5e-5	0	%100
48	M42	Z	6e-5	6e-5	0	%100
49	M43A	X	-.265	-.265	0	%100
50	M43A	Z	.459	.459	0	%100
51	M47	X	-.161	-.161	0	%100
52	M47	Z	.278	.278	0	%100
53	M48	X	0	0	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	0	0	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	-.161	-.161	0	%100
58	M52A	Z	.278	.278	0	%100
59	M53	X	-.491	-.491	0	%100
60	M53	Z	.851	.851	0	%100
61	M55	X	-.517	-.517	0	%100
62	M55	Z	.896	.896	0	%100
63	M60	X	-.417	-.417	0	%100
64	M60	Z	.723	.723	0	%100
65	M61	X	0	0	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	0	0	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	0	0	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	-.271	-.271	0	%100
72	M66	Z	.469	.469	0	%100
73	M67	X	-.271	-.271	0	%100
74	M67	Z	.469	.469	0	%100
75	M71	X	-.643	-.643	0	%100
76	M71	Z	1.114	1.114	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, %]
77	M72	X	-.491	-.491	0	%100
78	M72	Z	.851	.851	0	%100
79	M74	X	-.517	-.517	0	%100
80	M74	Z	.896	.896	0	%100
81	M76A	X	-.643	-.643	0	%100
82	M76A	Z	1.114	1.114	0	%100
83	M77A	X	-.491	-.491	0	%100
84	M77A	Z	.851	.851	0	%100
85	M79A	X	-.517	-.517	0	%100
86	M79A	Z	.896	.896	0	%100
87	MP3C	X	-.254	-.254	0	%100
88	MP3C	Z	.441	.441	0	%100
89	MP4C	X	-.254	-.254	0	%100
90	MP4C	Z	.441	.441	0	%100
91	MP2C	X	-.308	-.308	0	%100
92	MP2C	Z	.534	.534	0	%100
93	MP1C	X	-.254	-.254	0	%100
94	MP1C	Z	.441	.441	0	%100
95	MP3B	X	-.254	-.254	0	%100
96	MP3B	Z	.441	.441	0	%100
97	MP4B	X	-.254	-.254	0	%100
98	MP4B	Z	.441	.441	0	%100
99	MP2B	X	-.308	-.308	0	%100
100	MP2B	Z	.534	.534	0	%100
101	MP1B	X	-.254	-.254	0	%100
102	MP1B	Z	.441	.441	0	%100
103	M101	X	-.208	-.208	0	%100
104	M101	Z	.36	.36	0	%100
105	M102	X	-.281	-.281	0	%100
106	M102	Z	.487	.487	0	%100
107	M107	X	-.281	-.281	0	%100
108	M107	Z	.487	.487	0	%100
109	M112	X	0	0	0	%100
110	M112	Z	0	0	0	%100
111	M119	X	-.26	-.26	0	%100
112	M119	Z	.45	.45	0	%100
113	M122	X	-.26	-.26	0	%100
114	M122	Z	.45	.45	0	%100
115	M125	X	0	0	0	%100
116	M125	Z	0	0	0	%100
117	M126	X	-.36	-.36	0	%100
118	M126	Z	.624	.624	0	%100
119	M127	X	-.36	-.36	0	%100
120	M127	Z	.624	.624	0	%100
121	M128	X	-.452	-.452	0	%100
122	M128	Z	.783	.783	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	-.162	-.162	0	%100
2	M1	Z	.094	.094	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,%]
3	M4	X	-.542	-.542	0	%100
4	M4	Z	.313	.313	0	%100
5	M10	X	-.152	-.152	0	%100
6	M10	Z	.088	.088	0	%100
7	MP3A	X	-.441	-.441	0	%100
8	MP3A	Z	.254	.254	0	%100
9	MP4A	X	-.441	-.441	0	%100
10	MP4A	Z	.254	.254	0	%100
11	MP2A	X	-.534	-.534	0	%100
12	MP2A	Z	.308	.308	0	%100
13	MP1A	X	-.441	-.441	0	%100
14	MP1A	Z	.254	.254	0	%100
15	M43	X	-.152	-.152	0	%100
16	M43	Z	.088	.088	0	%100
17	M46	X	-.278	-.278	0	%100
18	M46	Z	.161	.161	0	%100
19	M51B	X	-.619	-.619	0	%100
20	M51B	Z	.357	.357	0	%100
21	M52B	X	-.16	-.16	0	%100
22	M52B	Z	.092	.092	0	%100
23	M76	X	-.835	-.835	0	%100
24	M76	Z	.482	.482	0	%100
25	M77	X	-1.134	-1.134	0	%100
26	M77	Z	.655	.655	0	%100
27	M80	X	-1.195	-1.195	0	%100
28	M80	Z	.69	.69	0	%100
29	M84	X	-.835	-.835	0	%100
30	M84	Z	.482	.482	0	%100
31	M85	X	-.284	-.284	0	%100
32	M85	Z	.164	.164	0	%100
33	M91	X	-.299	-.299	0	%100
34	M91	Z	.172	.172	0	%100
35	M34	X	-.65	-.65	0	%100
36	M34	Z	.375	.375	0	%100
37	M35	X	-.162	-.162	0	%100
38	M35	Z	.094	.094	0	%100
39	M36	X	0	0	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-.607	-.607	0	%100
42	M37	Z	.35	.35	0	%100
43	M38	X	-.607	-.607	0	%100
44	M38	Z	.35	.35	0	%100
45	M39	X	-1.114	-1.114	0	%100
46	M39	Z	.643	.643	0	%100
47	M42	X	-.149	-.149	0	%100
48	M42	Z	.086	.086	0	%100
49	M43A	X	-.149	-.149	0	%100
50	M43A	Z	.086	.086	0	%100
51	M47	X	0	0	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-.284	-.284	0	%100
54	M48	Z	.164	.164	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,%]
55	M50A	X	-.299	-.299	0	%100
56	M50A	Z	.172	.172	0	%100
57	M52A	X	0	0	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	-.284	-.284	0	%100
60	M53	Z	.164	.164	0	%100
61	M55	X	-.299	-.299	0	%100
62	M55	Z	.172	.172	0	%100
63	M60	X	-.542	-.542	0	%100
64	M60	Z	.313	.313	0	%100
65	M61	X	-.152	-.152	0	%100
66	M61	Z	.088	.088	0	%100
67	M62	X	-.152	-.152	0	%100
68	M62	Z	.088	.088	0	%100
69	M63	X	-.278	-.278	0	%100
70	M63	Z	.161	.161	0	%100
71	M66	X	-.16	-.16	0	%100
72	M66	Z	.092	.092	0	%100
73	M67	X	-.619	-.619	0	%100
74	M67	Z	.357	.357	0	%100
75	M71	X	-.835	-.835	0	%100
76	M71	Z	.482	.482	0	%100
77	M72	X	-.284	-.284	0	%100
78	M72	Z	.164	.164	0	%100
79	M74	X	-.299	-.299	0	%100
80	M74	Z	.172	.172	0	%100
81	M76A	X	-.835	-.835	0	%100
82	M76A	Z	.482	.482	0	%100
83	M77A	X	-1.134	-1.134	0	%100
84	M77A	Z	.655	.655	0	%100
85	M79A	X	-1.195	-1.195	0	%100
86	M79A	Z	.69	.69	0	%100
87	MP3C	X	-.441	-.441	0	%100
88	MP3C	Z	.254	.254	0	%100
89	MP4C	X	-.441	-.441	0	%100
90	MP4C	Z	.254	.254	0	%100
91	MP2C	X	-.534	-.534	0	%100
92	MP2C	Z	.308	.308	0	%100
93	MP1C	X	-.441	-.441	0	%100
94	MP1C	Z	.254	.254	0	%100
95	MP3B	X	-.441	-.441	0	%100
96	MP3B	Z	.254	.254	0	%100
97	MP4B	X	-.441	-.441	0	%100
98	MP4B	Z	.254	.254	0	%100
99	MP2B	X	-.534	-.534	0	%100
100	MP2B	Z	.308	.308	0	%100
101	MP1B	X	-.441	-.441	0	%100
102	MP1B	Z	.254	.254	0	%100
103	M101	X	-.36	-.36	0	%100
104	M101	Z	.208	.208	0	%100
105	M102	X	-.162	-.162	0	%100
106	M102	Z	.094	.094	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,%]
107	M107	X	-.65	-.65	0	%100
108	M107	Z	.375	.375	0	%100
109	M112	X	-.162	-.162	0	%100
110	M112	Z	.094	.094	0	%100
111	M119	X	-.15	-.15	0	%100
112	M119	Z	.087	.087	0	%100
113	M122	X	-.6	-.6	0	%100
114	M122	Z	.346	.346	0	%100
115	M125	X	-.15	-.15	0	%100
116	M125	Z	.087	.087	0	%100
117	M126	X	-.73	-.73	0	%100
118	M126	Z	.421	.421	0	%100
119	M127	X	-.57	-.57	0	%100
120	M127	Z	.329	.329	0	%100
121	M128	X	-.73	-.73	0	%100
122	M128	Z	.421	.421	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.835	-.835	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP3A	X	-.509	-.509	0	%100
8	MP3A	Z	0	0	0	%100
9	MP4A	X	-.509	-.509	0	%100
10	MP4A	Z	0	0	0	%100
11	MP2A	X	-.616	-.616	0	%100
12	MP2A	Z	0	0	0	%100
13	MP1A	X	-.509	-.509	0	%100
14	MP1A	Z	0	0	0	%100
15	M43	X	0	0	0	%100
16	M43	Z	0	0	0	%100
17	M46	X	0	0	0	%100
18	M46	Z	0	0	0	%100
19	M51B	X	-.542	-.542	0	%100
20	M51B	Z	0	0	0	%100
21	M52B	X	-.542	-.542	0	%100
22	M52B	Z	0	0	0	%100
23	M76	X	-1.286	-1.286	0	%100
24	M76	Z	0	0	0	%100
25	M77	X	-.982	-.982	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	-1.035	-1.035	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-1.286	-1.286	0	%100
30	M84	Z	0	0	0	%100
31	M85	X	-.982	-.982	0	%100
32	M85	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, %]
33	M91	X	-1.035	-1.035	0	%100
34	M91	Z	0	0	0	%100
35	M34	X	-.563	-.563	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-.563	-.563	0	%100
38	M35	Z	0	0	0	%100
39	M36	X	-.209	-.209	0	%100
40	M36	Z	0	0	0	%100
41	M37	X	-.525	-.525	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	-.525	-.525	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	-.964	-.964	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	-.53	-.53	0	%100
48	M42	Z	0	0	0	%100
49	M43A	X	-6.9e-5	-6.9e-5	0	%100
50	M43A	Z	0	0	0	%100
51	M47	X	-.321	-.321	0	%100
52	M47	Z	0	0	0	%100
53	M48	X	-.982	-.982	0	%100
54	M48	Z	0	0	0	%100
55	M50A	X	-1.035	-1.035	0	%100
56	M50A	Z	0	0	0	%100
57	M52A	X	-.321	-.321	0	%100
58	M52A	Z	0	0	0	%100
59	M53	X	0	0	0	%100
60	M53	Z	0	0	0	%100
61	M55	X	0	0	0	%100
62	M55	Z	0	0	0	%100
63	M60	X	-.209	-.209	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-.525	-.525	0	%100
66	M61	Z	0	0	0	%100
67	M62	X	-.525	-.525	0	%100
68	M62	Z	0	0	0	%100
69	M63	X	-.964	-.964	0	%100
70	M63	Z	0	0	0	%100
71	M66	X	-6.9e-5	-6.9e-5	0	%100
72	M66	Z	0	0	0	%100
73	M67	X	-.53	-.53	0	%100
74	M67	Z	0	0	0	%100
75	M71	X	-.321	-.321	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	0	0	0	%100
78	M72	Z	0	0	0	%100
79	M74	X	0	0	0	%100
80	M74	Z	0	0	0	%100
81	M76A	X	-.321	-.321	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	-.982	-.982	0	%100
84	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
11	MP2A	X	-.534	-.534	0	%100
12	MP2A	Z	-.308	-.308	0	%100
13	MP1A	X	-.441	-.441	0	%100
14	MP1A	Z	-.254	-.254	0	%100
15	M43	X	-.152	-.152	0	%100
16	M43	Z	-.088	-.088	0	%100
17	M46	X	-.278	-.278	0	%100
18	M46	Z	-.161	-.161	0	%100
19	M51B	X	-.16	-.16	0	%100
20	M51B	Z	-.092	-.092	0	%100
21	M52B	X	-.619	-.619	0	%100
22	M52B	Z	-.357	-.357	0	%100
23	M76	X	-.835	-.835	0	%100
24	M76	Z	-.482	-.482	0	%100
25	M77	X	-.284	-.284	0	%100
26	M77	Z	-.164	-.164	0	%100
27	M80	X	-.299	-.299	0	%100
28	M80	Z	-.172	-.172	0	%100
29	M84	X	-.835	-.835	0	%100
30	M84	Z	-.482	-.482	0	%100
31	M85	X	-1.134	-1.134	0	%100
32	M85	Z	-.655	-.655	0	%100
33	M91	X	-1.195	-1.195	0	%100
34	M91	Z	-.69	-.69	0	%100
35	M34	X	-.162	-.162	0	%100
36	M34	Z	-.094	-.094	0	%100
37	M35	X	-.65	-.65	0	%100
38	M35	Z	-.375	-.375	0	%100
39	M36	X	-.542	-.542	0	%100
40	M36	Z	-.313	-.313	0	%100
41	M37	X	-.152	-.152	0	%100
42	M37	Z	-.088	-.088	0	%100
43	M38	X	-.152	-.152	0	%100
44	M38	Z	-.088	-.088	0	%100
45	M39	X	-.278	-.278	0	%100
46	M39	Z	-.161	-.161	0	%100
47	M42	X	-.619	-.619	0	%100
48	M42	Z	-.357	-.357	0	%100
49	M43A	X	-.16	-.16	0	%100
50	M43A	Z	-.092	-.092	0	%100
51	M47	X	-.835	-.835	0	%100
52	M47	Z	-.482	-.482	0	%100
53	M48	X	-1.134	-1.134	0	%100
54	M48	Z	-.655	-.655	0	%100
55	M50A	X	-1.195	-1.195	0	%100
56	M50A	Z	-.69	-.69	0	%100
57	M52A	X	-.835	-.835	0	%100
58	M52A	Z	-.482	-.482	0	%100
59	M53	X	-.284	-.284	0	%100
60	M53	Z	-.164	-.164	0	%100
61	M55	X	-.299	-.299	0	%100
62	M55	Z	-.172	-.172	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, %]
63	M60	X	0	0	0	%100
64	M60	Z	0	0	0	%100
65	M61	X	-.607	-.607	0	%100
66	M61	Z	-.35	-.35	0	%100
67	M62	X	-.607	-.607	0	%100
68	M62	Z	-.35	-.35	0	%100
69	M63	X	-1.114	-1.114	0	%100
70	M63	Z	-.643	-.643	0	%100
71	M66	X	-.149	-.149	0	%100
72	M66	Z	-.086	-.086	0	%100
73	M67	X	-.149	-.149	0	%100
74	M67	Z	-.086	-.086	0	%100
75	M71	X	0	0	0	%100
76	M71	Z	0	0	0	%100
77	M72	X	-.284	-.284	0	%100
78	M72	Z	-.164	-.164	0	%100
79	M74	X	-.299	-.299	0	%100
80	M74	Z	-.172	-.172	0	%100
81	M76A	X	0	0	0	%100
82	M76A	Z	0	0	0	%100
83	M77A	X	-.284	-.284	0	%100
84	M77A	Z	-.164	-.164	0	%100
85	M79A	X	-.299	-.299	0	%100
86	M79A	Z	-.172	-.172	0	%100
87	MP3C	X	-.441	-.441	0	%100
88	MP3C	Z	-.254	-.254	0	%100
89	MP4C	X	-.441	-.441	0	%100
90	MP4C	Z	-.254	-.254	0	%100
91	MP2C	X	-.534	-.534	0	%100
92	MP2C	Z	-.308	-.308	0	%100
93	MP1C	X	-.441	-.441	0	%100
94	MP1C	Z	-.254	-.254	0	%100
95	MP3B	X	-.441	-.441	0	%100
96	MP3B	Z	-.254	-.254	0	%100
97	MP4B	X	-.441	-.441	0	%100
98	MP4B	Z	-.254	-.254	0	%100
99	MP2B	X	-.534	-.534	0	%100
100	MP2B	Z	-.308	-.308	0	%100
101	MP1B	X	-.441	-.441	0	%100
102	MP1B	Z	-.254	-.254	0	%100
103	M101	X	-.36	-.36	0	%100
104	M101	Z	-.208	-.208	0	%100
105	M102	X	-.162	-.162	0	%100
106	M102	Z	-.094	-.094	0	%100
107	M107	X	-.162	-.162	0	%100
108	M107	Z	-.094	-.094	0	%100
109	M112	X	-.65	-.65	0	%100
110	M112	Z	-.375	-.375	0	%100
111	M119	X	-.15	-.15	0	%100
112	M119	Z	-.087	-.087	0	%100
113	M122	X	-.15	-.15	0	%100
114	M122	Z	-.087	-.087	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M125	X	-.6	-.6	0	%100
116	M125	Z	-.346	-.346	0	%100
117	M126	X	-.73	-.73	0	%100
118	M126	Z	-.421	-.421	0	%100
119	M127	X	-.73	-.73	0	%100
120	M127	Z	-.421	-.421	0	%100
121	M128	X	-.57	-.57	0	%100
122	M128	Z	-.329	-.329	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	-.281	-.281	0	%100
2	M1	Z	-.487	-.487	0	%100
3	M4	X	-.104	-.104	0	%100
4	M4	Z	-.181	-.181	0	%100
5	M10	X	-.263	-.263	0	%100
6	M10	Z	-.455	-.455	0	%100
7	MP3A	X	-.254	-.254	0	%100
8	MP3A	Z	-.441	-.441	0	%100
9	MP4A	X	-.254	-.254	0	%100
10	MP4A	Z	-.441	-.441	0	%100
11	MP2A	X	-.308	-.308	0	%100
12	MP2A	Z	-.534	-.534	0	%100
13	MP1A	X	-.254	-.254	0	%100
14	MP1A	Z	-.441	-.441	0	%100
15	M43	X	-.263	-.263	0	%100
16	M43	Z	-.455	-.455	0	%100
17	M46	X	-.482	-.482	0	%100
18	M46	Z	-.835	-.835	0	%100
19	M51B	X	-3.5e-5	-3.5e-5	0	%100
20	M51B	Z	-6e-5	-6e-5	0	%100
21	M52B	X	-.265	-.265	0	%100
22	M52B	Z	-.459	-.459	0	%100
23	M76	X	-.161	-.161	0	%100
24	M76	Z	-.278	-.278	0	%100
25	M77	X	0	0	0	%100
26	M77	Z	0	0	0	%100
27	M80	X	0	0	0	%100
28	M80	Z	0	0	0	%100
29	M84	X	-.161	-.161	0	%100
30	M84	Z	-.278	-.278	0	%100
31	M85	X	-.491	-.491	0	%100
32	M85	Z	-.851	-.851	0	%100
33	M91	X	-.517	-.517	0	%100
34	M91	Z	-.896	-.896	0	%100
35	M34	X	0	0	0	%100
36	M34	Z	0	0	0	%100
37	M35	X	-.281	-.281	0	%100
38	M35	Z	-.487	-.487	0	%100
39	M36	X	-.417	-.417	0	%100
40	M36	Z	-.723	-.723	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,%]
41	M37	X	0	0	0	%100
42	M37	Z	0	0	0	%100
43	M38	X	0	0	0	%100
44	M38	Z	0	0	0	%100
45	M39	X	0	0	0	%100
46	M39	Z	0	0	0	%100
47	M42	X	-.271	-.271	0	%100
48	M42	Z	-.469	-.469	0	%100
49	M43A	X	-.271	-.271	0	%100
50	M43A	Z	-.469	-.469	0	%100
51	M47	X	-.643	-.643	0	%100
52	M47	Z	-1.114	-1.114	0	%100
53	M48	X	-.491	-.491	0	%100
54	M48	Z	-.851	-.851	0	%100
55	M50A	X	-.517	-.517	0	%100
56	M50A	Z	-.896	-.896	0	%100
57	M52A	X	-.643	-.643	0	%100
58	M52A	Z	-1.114	-1.114	0	%100
59	M53	X	-.491	-.491	0	%100
60	M53	Z	-.851	-.851	0	%100
61	M55	X	-.517	-.517	0	%100
62	M55	Z	-.896	-.896	0	%100
63	M60	X	-.104	-.104	0	%100
64	M60	Z	-.181	-.181	0	%100
65	M61	X	-.263	-.263	0	%100
66	M61	Z	-.455	-.455	0	%100
67	M62	X	-.263	-.263	0	%100
68	M62	Z	-.455	-.455	0	%100
69	M63	X	-.482	-.482	0	%100
70	M63	Z	-.835	-.835	0	%100
71	M66	X	-.265	-.265	0	%100
72	M66	Z	-.459	-.459	0	%100
73	M67	X	-3.5e-5	-3.5e-5	0	%100
74	M67	Z	-6e-5	-6e-5	0	%100
75	M71	X	-.161	-.161	0	%100
76	M71	Z	-.278	-.278	0	%100
77	M72	X	-.491	-.491	0	%100
78	M72	Z	-.851	-.851	0	%100
79	M74	X	-.517	-.517	0	%100
80	M74	Z	-.896	-.896	0	%100
81	M76A	X	-.161	-.161	0	%100
82	M76A	Z	-.278	-.278	0	%100
83	M77A	X	0	0	0	%100
84	M77A	Z	0	0	0	%100
85	M79A	X	0	0	0	%100
86	M79A	Z	0	0	0	%100
87	MP3C	X	-.254	-.254	0	%100
88	MP3C	Z	-.441	-.441	0	%100
89	MP4C	X	-.254	-.254	0	%100
90	MP4C	Z	-.441	-.441	0	%100
91	MP2C	X	-.308	-.308	0	%100
92	MP2C	Z	-.534	-.534	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,%]
93	MP 1C	X	-.254	-.254	0	%100
94	MP 1C	Z	-.441	-.441	0	%100
95	MP 3B	X	-.254	-.254	0	%100
96	MP 3B	Z	-.441	-.441	0	%100
97	MP 4B	X	-.254	-.254	0	%100
98	MP 4B	Z	-.441	-.441	0	%100
99	MP 2B	X	-.308	-.308	0	%100
100	MP 2B	Z	-.534	-.534	0	%100
101	MP 1B	X	-.254	-.254	0	%100
102	MP 1B	Z	-.441	-.441	0	%100
103	M101	X	-.208	-.208	0	%100
104	M101	Z	-.36	-.36	0	%100
105	M102	X	-.281	-.281	0	%100
106	M102	Z	-.487	-.487	0	%100
107	M107	X	0	0	0	%100
108	M107	Z	0	0	0	%100
109	M112	X	-.281	-.281	0	%100
110	M112	Z	-.487	-.487	0	%100
111	M119	X	-.26	-.26	0	%100
112	M119	Z	-.45	-.45	0	%100
113	M122	X	0	0	0	%100
114	M122	Z	0	0	0	%100
115	M125	X	-.26	-.26	0	%100
116	M125	Z	-.45	-.45	0	%100
117	M126	X	-.36	-.36	0	%100
118	M126	Z	-.624	-.624	0	%100
119	M127	X	-.452	-.452	0	%100
120	M127	Z	-.783	-.783	0	%100
121	M128	X	-.36	-.36	0	%100
122	M128	Z	-.624	-.624	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	M51B	Y	-.639	-4.442	0	.847
2	M51B	Y	-4.442	-7.45	.847	1.694
3	M51B	Y	-7.45	-8.414	1.694	2.54
4	M51B	Y	-8.414	-6.706	2.54	3.387
5	M51B	Y	-6.706	-3.574	3.387	4.234
6	M52B	Y	-3.516	-6.577	0	.847
7	M52B	Y	-6.577	-8.159	.847	1.694
8	M52B	Y	-8.159	-6.933	1.694	2.54
9	M52B	Y	-6.933	-4.335	2.54	3.387
10	M52B	Y	-4.335	-1.693	3.387	4.234
11	M42	Y	-.639	-4.442	0	.847
12	M42	Y	-4.442	-7.45	.847	1.694
13	M42	Y	-7.45	-8.414	1.694	2.54
14	M42	Y	-8.414	-6.706	2.54	3.387
15	M42	Y	-6.706	-3.574	3.387	4.234
16	M43A	Y	-3.516	-6.577	0	.847
17	M43A	Y	-6.577	-8.159	.847	1.694
18	M43A	Y	-8.159	-6.933	1.694	2.54

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft, %]	End Location[ft, %]
19	M43A	Y	-6.933	-4.335	2.54	3.387
20	M43A	Y	-4.335	-1.693	3.387	4.234
21	M66	Y	-.639	-4.442	0	.847
22	M66	Y	-4.442	-7.45	.847	1.694
23	M66	Y	-7.45	-8.414	1.694	2.54
24	M66	Y	-8.414	-6.706	2.54	3.387
25	M66	Y	-6.706	-3.574	3.387	4.234
26	M67	Y	-3.516	-6.577	0	.847
27	M67	Y	-6.577	-8.159	.847	1.694
28	M67	Y	-8.159	-6.933	1.694	2.54
29	M67	Y	-6.933	-4.335	2.54	3.387
30	M67	Y	-4.335	-1.693	3.387	4.234

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	M51B	Y	-1.237	-8.602	0	.847
2	M51B	Y	-8.602	-14.428	.847	1.694
3	M51B	Y	-14.428	-16.296	1.694	2.54
4	M51B	Y	-16.296	-12.988	2.54	3.387
5	M51B	Y	-12.988	-6.922	3.387	4.234
6	M52B	Y	-6.81	-12.737	0	.847
7	M52B	Y	-12.737	-15.801	.847	1.694
8	M52B	Y	-15.801	-13.427	1.694	2.54
9	M52B	Y	-13.427	-8.395	2.54	3.387
10	M52B	Y	-8.395	-3.28	3.387	4.234
11	M42	Y	-1.237	-8.602	0	.847
12	M42	Y	-8.602	-14.428	.847	1.694
13	M42	Y	-14.428	-16.296	1.694	2.54
14	M42	Y	-16.296	-12.988	2.54	3.387
15	M42	Y	-12.988	-6.922	3.387	4.234
16	M43A	Y	-6.81	-12.737	0	.847
17	M43A	Y	-12.737	-15.801	.847	1.694
18	M43A	Y	-15.801	-13.427	1.694	2.54
19	M43A	Y	-13.427	-8.395	2.54	3.387
20	M43A	Y	-8.395	-3.28	3.387	4.234
21	M66	Y	-1.237	-8.602	0	.847
22	M66	Y	-8.602	-14.428	.847	1.694
23	M66	Y	-14.428	-16.296	1.694	2.54
24	M66	Y	-16.296	-12.988	2.54	3.387
25	M66	Y	-12.988	-6.922	3.387	4.234
26	M67	Y	-6.81	-12.737	0	.847
27	M67	Y	-12.737	-15.801	.847	1.694
28	M67	Y	-15.801	-13.427	1.694	2.54
29	M67	Y	-13.427	-8.395	2.54	3.387
30	M67	Y	-8.395	-3.28	3.387	4.234

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N6	N87C	N87B	N7	Y	Two Way	-.005
2	N54	N77	N79	N55	Y	Two Way	-.005

Member Area Loads (BLC 39 : Structure D) (Continued)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
3	N83	N106	N108	N84	Y	Two Way	-.005
4	CP	N155	N155		Y	Two Way	-.005
5	CP	N166	N166		Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N6	N87C	N87B	N7	Y	Two Way	-.01
2	N54	N77	N79	N55	Y	Two Way	-.01
3	N83	N106	N108	N84	Y	Two Way	-.01

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N3	max	705.252	10	585.173	7	5061.265	1	.509	7	1.09	4	.12	21
2		min	-710.791	4	-469.02	1	-2913.475	7	-.271	1	-1.071	10	-.039	3
3	N52A	max	4601.498	9	669.85	3	1477.355	3	.073	10	1.119	12	.168	9
4		min	-2731.296	3	-458.445	9	-2552.577	9	-.278	28	-1.101	6	-.426	3
5	N81	max	2618.904	11	605.498	11	1619.579	11	.157	5	1.047	8	.416	11
6		min	-4481.634	5	-490.234	5	-2700.834	5	-.535	35	-1.028	2	-.241	5
7	N187A	max	227.023	10	2496.412	13	434.111	7	0	51	.378	4	.315	4
8		min	-216.515	4	-361.867	7	-2946.196	13	0	1	-.384	10	-.32	10
9	N190	max	415.198	3	2520.935	21	1460.554	21	.263	12	.366	12	.154	6
10		min	-2592.725	21	-401.049	3	-243.092	3	-.267	6	-.371	6	-.152	12
11	N193	max	2560.019	17	2519.707	17	1514.254	17	.266	2	.363	8	.154	2
12		min	-434.067	11	-414.304	11	-242.215	11	-.262	8	-.369	2	-.151	8
13	Totals:	max	4936.928	10	6988.41	13	4840.14	1						
14		min	-4936.925	4	3301.4	7	-4840.139	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	.149	4.444	10	.079	.972		6	25150.391	65205	5.749	5.749	4....	H1-1b
2	M4	HSS4X4X3	.189	2.965	1	.054	2.965	y	24	95513.383	106812	12.662	12.662	1....	H1-1b
3	M10	HSS4X4X3	.155	2.375	14	.061	2.375	y	13	104414.6...	106812	12.662	12.662	1....	H1-1b
4	MP3A	PIPE 2.0	.358	4.917	4	.095	2.917		8	14916.096	32130	1.872	1.872	1....	H1-1b
5	MP4A	PIPE 2.0	.273	4.917	10	.148	1.917		7	14916.096	32130	1.872	1.872	1....	H1-1b
6	MP2A	PIPE 2.5	.306	4.917	10	.102	1.917		6	30038.461	50715	3.596	3.596	1....	H1-1b
7	MP1A	PIPE 2.0	.223	1.917	7	.119	1.917		7	14916.096	32130	1.872	1.872	1....	H1-1b
8	M43	HSS4X4X3	.150	0	24	.054	2.152	z	1	104414.6...	106812	12.662	12.662	1....	H1-1b
9	M46	PL 1/2X6	.213	.516	1	.126	.516	y	24	66009.234	97200	1.012	12.15	1....	H1-1b
10	M51B	L2x2x3	.134	0	2	.010	4.234	y	17	9528.6	23392.8	.558	1.081	1....	H2-1
11	M52B	L2x2x3	.128	4.234	12	.010	4.234	y	21	9528.6	23392.8	.558	1.081	1....	H2-1
12	M76	PL3/8x6	.275	0	4	.168	0	y	12	70677.939	72900	.57	9.113	1....	H1-1b
13	M77	PL3/8x6	.225	.167	8	.229	0	y	13	71601.728	72900	.57	9.113	1....	H1-1b
14	M80	PL 1/2X6	.058	.112	1	.101	0	y	11	96757.507	97200	1.012	12.15	1....	H1-1b
15	M84	PL3/8x6	.213	0	10	.130	0	y	7	70677.939	72900	.57	9.113	1....	H1-1b
16	M85	PL3/8x6	.229	.167	7	.214	0	y	13	71601.728	72900	.57	9.113	1....	H1-1b
17	M91	PL 1/2X6	.064	.112	1	.092	0	y	3	96757.507	97200	1.012	12.15	1....	H1-1b
18	M34	PIPE 3.0	.148	4.444	6	.077	.972		2	25150.391	65205	5.749	5.749	4....	H1-1b
19	M35	PIPE 3.0	.144	4.444	2	.080	.972		10	25150.391	65205	5.749	5.749	4....	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
20	M36	HSS4X4X3	.192	2.965	9	.064	3.02	y	47	95513.383	106812	12.662	12.662	1....	H1-1b
21	M37	HSS4X4X3	.156	2.375	22	.062	2.375	y	21	104414.6...	106812	12.662	12.662	1....	H1-1b
22	M38	HSS4X4X3	.150	0	20	.054	2.152	z	9	104414.6...	106812	12.662	12.662	1.7	H1-1b
23	M39	PL1/2X6	.215	.516	9	.145	.516	y	47	66009.234	97200	1.012	12.15	1....	H1-1b
24	M42	L2x2x3	.137	0	10	.010	4.234	y	14	9528.6	23392.8	.558	1.081	1....	H2-1
25	M43A	L2x2x3	.126	4.234	8	.010	4.234	y	17	9528.6	23392.8	.558	1.081	1....	H2-1
26	M47	PL3/8x6	.260	0	12	.169	0	y	9	70677.939	72900	.57	9.113	1....	H1-1b
27	M48	PL3/8x6	.233	.167	4	.228	0	y	21	71601.728	72900	.57	9.113	1....	H1-1b
28	M50A	PL1/2X6	.059	.112	9	.097	0	y	8	96757.507	97200	1.012	12.15	1....	H1-1b
29	M52A	PL3/8x6	.206	0	6	.132	0	y	3	70677.939	72900	.57	9.113	1....	H1-1b
30	M53	PL3/8x6	.231	.167	3	.214	0	y	21	71601.728	72900	.57	9.113	1....	H1-1b
31	M55	PL1/2X6	.065	.112	9	.130	0	y	47	96757.507	97200	1.012	12.15	1....	H1-1b
32	M60	HSS4X4X3	.194	2.965	5	.054	2.965	y	16	95513.383	106812	12.662	12.662	1....	H1-1b
33	M61	HSS4X4X3	.156	2.375	18	.062	2.375	y	17	104414.6...	106812	12.662	12.662	1....	H1-1b
34	M62	HSS4X4X3	.151	0	16	.055	2.152	z	5	104414.6...	106812	12.662	12.662	1....	H1-1b
35	M63	PL1/2X6	.223	.516	5	.127	.516	y	16	66009.234	97200	1.012	12.15	1....	H1-1b
36	M66	L2x2x3	.138	0	6	.010	4.234	y	22	9528.6	23392.8	.558	1.081	1....	H2-1
37	M67	L2x2x3	.129	0	5	.010	4.234	y	13	9528.6	23392.8	.558	1.073	1....	H2-1
38	M71	PL3/8x6	.260	0	8	.173	0	y	5	70677.939	72900	.57	9.113	1....	H1-1b
39	M72	PL3/8x6	.233	.167	11	.233	0	y	29	71601.728	72900	.57	9.113	1....	H1-1b
40	M74	PL1/2X6	.060	.112	5	.100	0	y	4	96757.507	97200	1.012	12.15	1....	H1-1b
41	M76A	PL3/8x6	.203	0	2	.135	0	y	11	70677.939	72900	.57	9.113	1....	H1-1b
42	M77A	PL3/8x6	.239	.167	11	.216	0	y	17	71601.728	72900	.57	9.113	1....	H1-1b
43	M79A	PL1/2X6	.067	.112	5	.091	0	y	7	96757.507	97200	1.012	12.15	1....	H1-1b
44	MP3C	PIPE 2.0	.354	4.917	12	.098	2.917		4	14916.096	32130	1.872	1.872	1....	H1-1b
45	MP4C	PIPE 2.0	.270	4.917	6	.154	1.917		3	14916.096	32130	1.872	1.872	2....	H1-1b
46	MP2C	PIPE 2.5	.303	4.917	6	.098	1.917		2	30038.461	50715	3.596	3.596	1....	H1-1b
47	MP1C	PIPE 2.0	.223	1.917	3	.119	1.917		3	14916.096	32130	1.872	1.872	1....	H1-1b
48	MP3B	PIPE 2.0	.346	4.917	8	.096	2.917		12	14916.096	32130	1.872	1.872	1....	H1-1b
49	MP4B	PIPE 2.0	.265	4.917	9	.150	1.917		11	14916.096	32130	1.872	1.872	2....	H1-1b
50	MP2B	PIPE 2.5	.295	4.917	2	.103	1.917		10	30038.461	50715	3.596	3.596	1....	H1-1b
51	MP1B	PIPE 2.0	.226	1.917	11	.121	1.917		11	14916.096	32130	1.872	1.872	1....	H1-1b
52	M101	PIPE 2.0	.117	2.5	12	.015	2.5		12	28843.414	32130	1.872	1.872	1....	H1-1b
53	M102	PIPE 2.5	.191	4.427	10	.134	1.042		7	14558.015	50715	3.596	3.596	2....	H1-1b
54	M107	PIPE 2.5	.192	4.297	4	.133	1.042		3	14558.015	50715	3.596	3.596	2....	H1-1b
55	M112	PIPE 2.5	.189	4.297	11	.135	1.042		11	14558.015	50715	3.596	3.596	1....	H1-1b
56	M119	L3X3X4	.329	1.143	11	.074	0	y	4	45324.609	46656	1.688	3.756	1....	H2-1
57	M122	L3X3X4	.326	1.143	7	.073	0	y	11	45324.609	46656	1.688	3.756	1....	H2-1
58	M125	L3X3X4	.327	1.143	3	.072	0	y	7	45324.609	46656	1.688	3.756	1....	H2-1
59	M126	LL3x3x3x6	.096	0	10	.012	0	z	10	46600.131	70632	6.362	3.751	2....	H1-1b
60	M127	LL3x3x3x6	.094	0	6	.012	0	z	6	46600.131	70632	6.362	3.751	2....	H1-1b
61	M128	LL3x3x3x6	.093	0	2	.012	0	z	2	46600.131	70632	6.362	3.751	2....	H1-1b



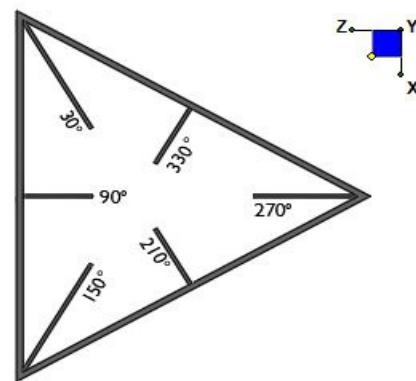
Client:	Verizon Wireless	Date:	6/14/2021
Site Name:	GUILFORD 4 CT		
Project No.	21777119A		
Title:	Antenna Mount Analysis	Page:	1

Version 3.1

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N3	270
N52A	30
N81	150



TYPICAL PLATFORM

Tower Connection Bolt Checks

Any moment resistance?:

Bolt Quantity per Reaction:

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

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

Bolt Type:

Bolt Diameter (in):

Required Tensile Strength (kips):

Required Shear Strength (kips):

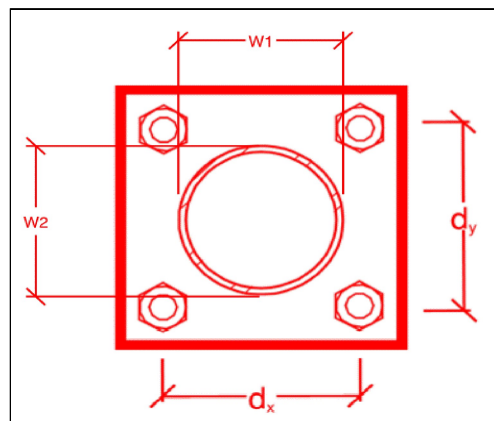
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A307
0.625
6.4
2.0
10.0
6.0
15.9%*
8.5%



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

Tower Connection Plate and Weld Check

Connecting Standoff Member Shape:

Plate Width (in):

Plate Height (in):

W1 (in):

W2 (in):

Fy (ksi, plate):

t_{plate} (in):

Weld Size (1/16 in):

$\Phi \cdot R_n$ (kip/in):

Required Weld Strength (kip/in):

Plate Bending Capacity:

Weld Capacity:

Rect
8
8
4
4
36
0.75
3
4.18
0.72
9.2%
17.2%

Max Plate Bending Strengths

Mu_{xx} (kip-in) :	1.7
$\Phi \cdot Mn_{xx}$ (kip-in) :	36.5
Mu_{yy} (kip-in) :	1.7
$\Phi \cdot Mn_{yy}$ (kip-in) :	36.5

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 Alpha & Beta sector 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

Sector: **A**

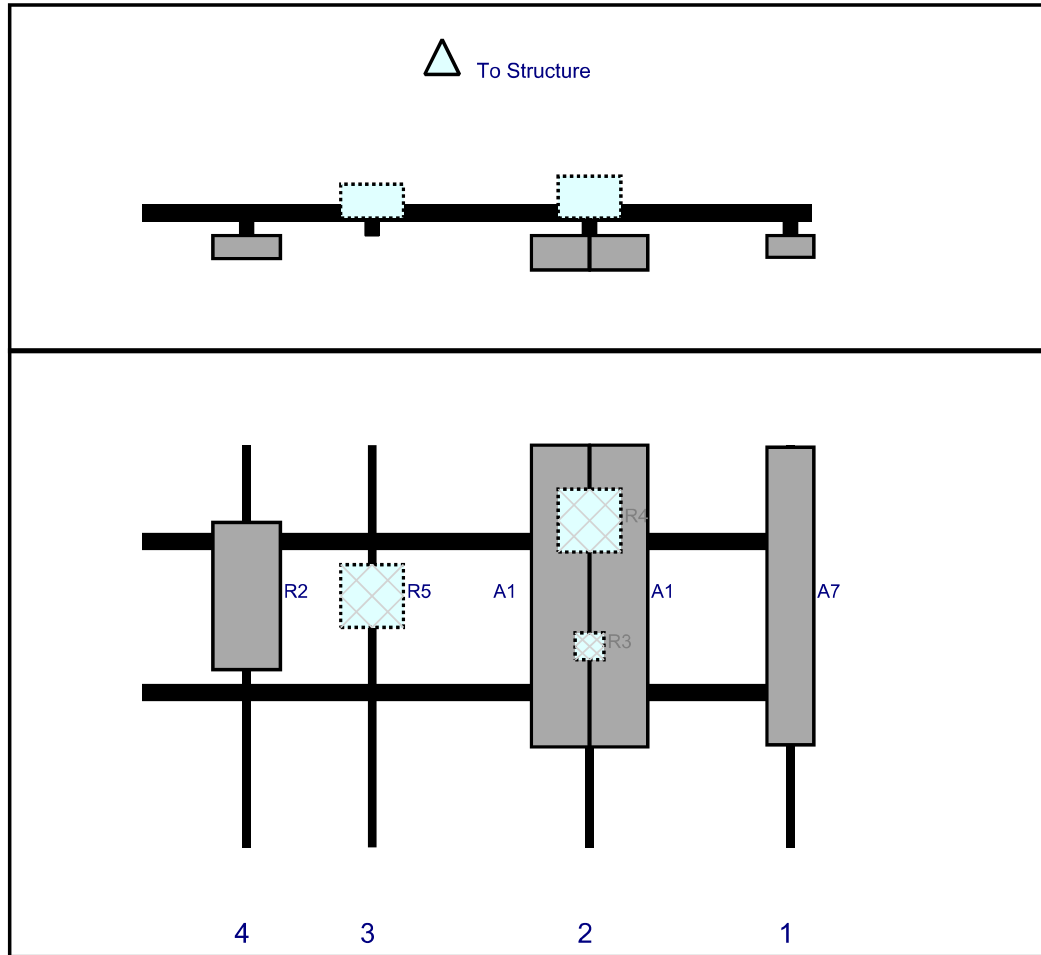
6/14/2021

Structure Type: Self Support

10039610

Mount Elev: 143.20

Page: 1

Plan View**Front View**

Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	BXA-70063-6CF	71	11.2	155	1	a	Front	36	0	Retained	03/23/2021
A1	JAHH-65B-R3B	72	13.8	107	2	a	Front	36	7	Added	
A1	JAHH-65B-R3B	72	13.8	107	2	b	Front	36	-7	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	107	2	a	Behind	48	0	Added	
R4	B2/B66A RRH-BR049	15	15	107	2	a	Behind	18	0	Added	
R5	B5/B13 RRH-BR04C	15	15	55	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	25	4	a	Front	36	0	Added	

Sector: **B**

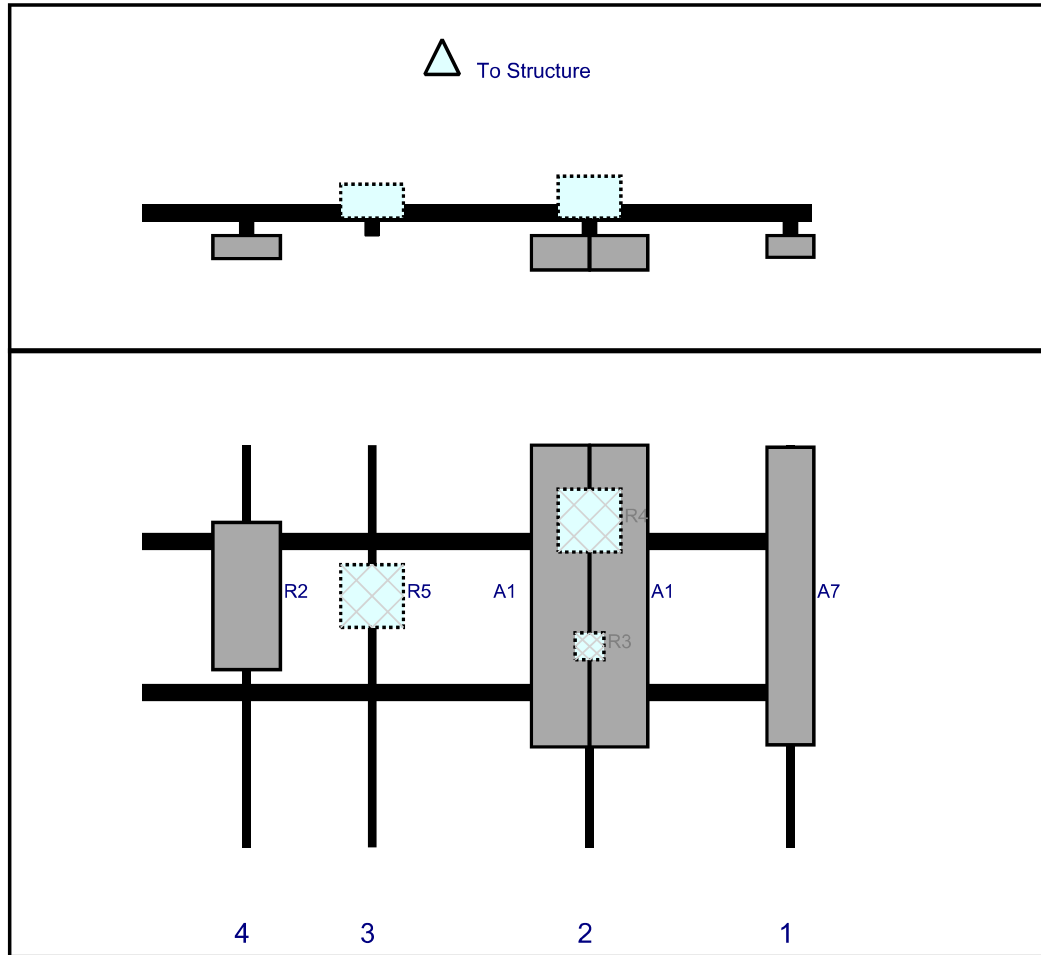
6/14/2021

Structure Type: Self Support

10039610

Mount Elev: 143.20

Page: 2

Plan View**Front View**

Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	BXA-70063-6CF	71	11.2	155	1	a	Front	36	0	Retained	03/23/2021
A1	JAHH-65B-R3B	72	13.8	107	2	a	Front	36	7	Added	
A1	JAHH-65B-R3B	72	13.8	107	2	b	Front	36	-7	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	107	2	a	Behind	48	0	Added	
R4	B2/B66A RRH-BR049	15	15	107	2	a	Behind	18	0	Added	
R5	B5/B13 RRH-BR04C	15	15	55	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	25	4	a	Front	36	0	Added	

Sector: C

6/14/2021

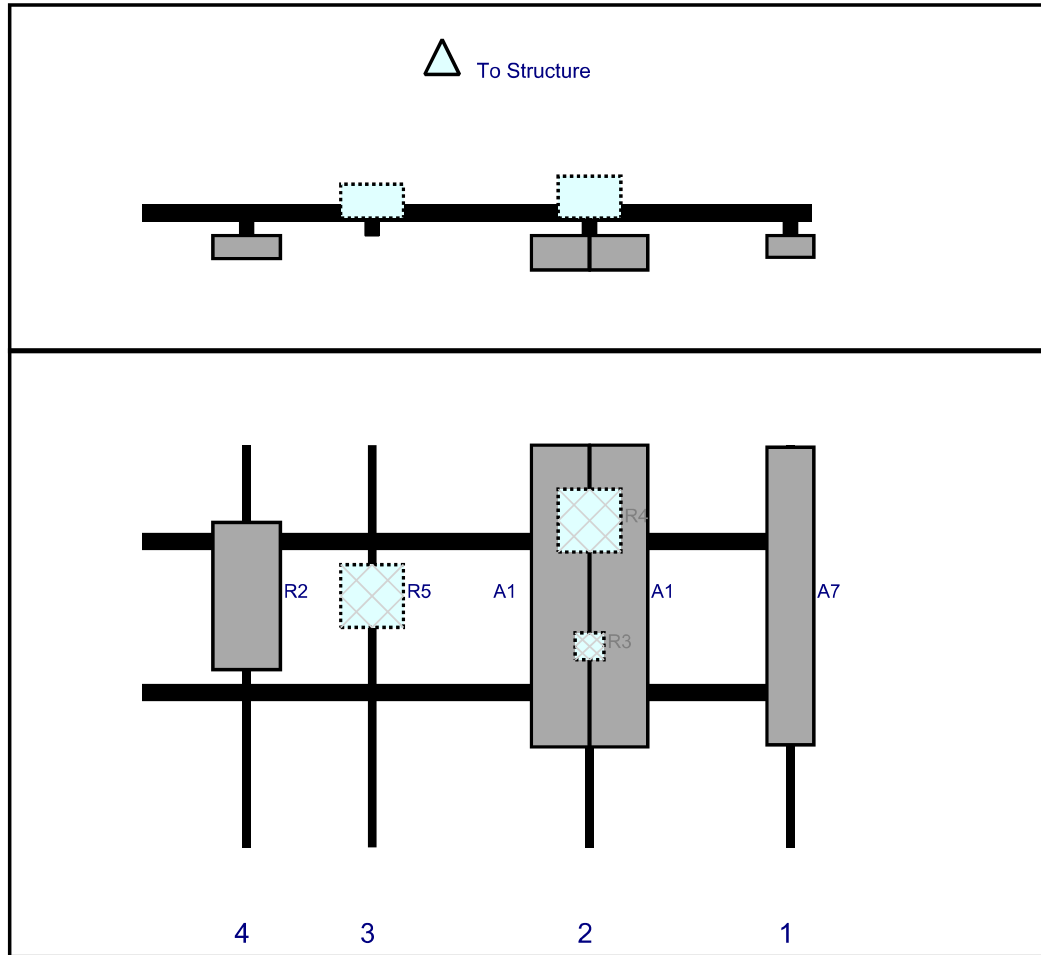
Structure Type: Self Support

10039610

Mount Elev: 143.20

Page: 3

Plan View



Front View

Looking at Structure

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A7	BXA-70063-6CF	71	11.2	155	1	a	Front	36	0	Retained	03/23/2021
A1	JAHH-65B-R3B	72	13.8	107	2	a	Front	36	7	Added	
A1	JAHH-65B-R3B	72	13.8	107	2	b	Front	36	-7	Added	
R3	CBC78T-DS-43-2X	6.4	6.9	107	2	a	Behind	48	0	Added	
R4	B2/B66A RRH-BR049	15	15	107	2	a	Behind	18	0	Added	
R5	B5/B13 RRH-BR04C	15	15	55	3	a	Behind	36	0	Added	
R2	MT6407-77A	35.1	16.1	25	4	a	Front	36	0	Added	

Subject

TIA-222-H Adoption and Wind Speed Usage

Site Information

Site ID: 468021-VZW / GUILFORD 4 CT
Site Name: GUILFORD 4 CT
Carrier Name: Verizon Wireless
Address: 2365 Long Hill Rd
Guilford, Connecticut 06437
New Haven County
Latitude: 41.346483°
Longitude: -72.723093°

Structure Information

Tower Type: 180-Ft Monopole
Mount Type: 13.33-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Derek Hartzell, PE
Technical Specialist

Exhibit F

Power Density/RF Emissions Report

Site Name: **GUILFORD 4 CT**
Cumulative Power Density

Operator	Operating Frequency	Number of Trans.	ERP Per Trans.	Total ERP	Distance to Target	Calculated Power Density	Maximum Permissible Exposure*	Fraction of MPE
	(MHz)		(watts)	(watts)	(feet)	(mW/cm^2)	(mW/cm^2)	(%)
VZW 700	751	4	628	2511	145	0.0043	0.5007	0.86%
VZW Cellular	874	4	725	2902	145	0.0050	0.5827	0.85%
VZW PCS	1975	4	1525	6100	145	0.0104	1.0000	1.04%
VZW AWS	2120	4	1493	5973	145	0.0102	1.0000	1.02%
VZW CBAND	3730.08	2	21627	43254	145	0.0740	1.0000	7.40%
Total Percentage of Maximum Permissible Exposure								11.17%

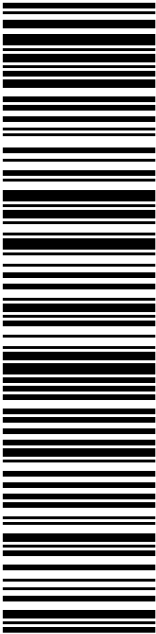
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification filings

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

Absolute worst case maximum values used.

Exhibit F

Recipient Mailings

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P	usps.com US POSTAGE MD Flat Rate Box 11/02/2021 Mailed from 01566
PRIORITY MAIL 2-DAY™	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 11/05/21 Re#: CR-876381 0004
SHIP TO: MATTHEW T HOEY III FIRST SELECTMAN 31 PARK ST GUILFORD CT 06437-2629	
USPS TRACKING #  9405 5036 9930 0051 0240 54	
Electronic Rate Approved #038555749	



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Instructions

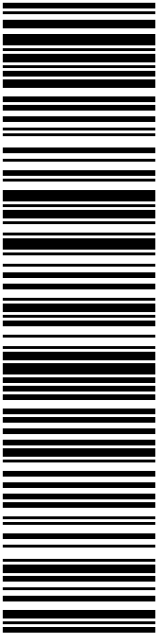
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USPS TRACKING # : 9405 5036 9930 0051 0240 54	
Trans. #: 547450535 Print Date: 11/02/2021 Ship Date: 11/02/2021 Expected Delivery Date: 11/05/2021	Priority Mail® Postage: \$16.25 Total: \$16.25
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: MATTHEW T HOEY III FIRST SELECTMAN 31 PARK ST GUILFORD CT 06437-2629	
Re#: CR-876381	
* 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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9405 5036 9930 0051 0240 61 0162 5000 0010 6437 \$16.25	
U.S. POSTAGE PAID Click-N-Ship®	
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DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
Expected Delivery Date: 11/05/21 Re#: CR-876381 0004	
C002	
SHIP TO: GEORGE KRAL GUILFORD PLANNING & ZONING 50 BOSTON ST GUILFORD CT 06437-2801	
USPS TRACKING #	
	
9405 5036 9930 0051 0240 61	
Electronic Rate Approved #038555749	

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Instructions

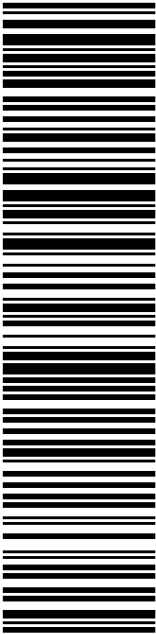
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Trans. #: 547450535 Print Date: 11/02/2021 Ship Date: 11/02/2021 Expected Delivery Date: 11/05/2021	Priority Mail® Postage: \$16.25 Total: \$16.25
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: GEORGE KRAL GUILFORD PLANNING & ZONING 50 BOSTON ST GUILFORD CT 06437-2801	
Re#: CR-876381	
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DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 11/03/21 Re#: CR-876381 0006
SHIP TO: SARAH SNELL 1800 W PARK DR WESTBOROUGH MA 01581-3926	C006
USPS TRACKING #  9405 5036 9930 0051 0240 78	
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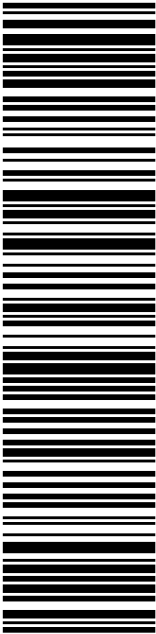
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USPS TRACKING # : 9405 5036 9930 0051 0240 78	
Trans. #: 547450535 Print Date: 11/02/2021 Ship Date: 11/02/2021 Expected Delivery Date: 11/03/2021	Priority Mail® Postage: \$8.70 Total: \$8.70
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359 Re#: CR-876381	
To: SARAH SNELL 1800 W PARK DR WESTBOROUGH MA 01581-3926	
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DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 11/05/21 Re#: CR-876381 0004
SHIP TO: JAMES & JANICE WARD FAMILY TRUSTS 2365 LONG HILL RD GUILFORD CT 06437-1597	
USPS TRACKING #  9405 5036 9930 0051 0240 85	
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USPS TRACKING # : 9405 5036 9930 0051 0240 85	
Trans. #: 547450535 Print Date: 11/02/2021 Ship Date: 11/02/2021 Expected Delivery Date: 11/05/2021	Priority Mail® Postage: \$16.25 Total: \$16.25
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: JAMES & JANICE WARD FAMILY TRUSTS 2365 LONG HILL RD GUILFORD CT 06437-1597	
Re#: CR-876381	
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Product	Qty	Unit Price	Price
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Prepaid Mail	1		\$0.00
Westborough, MA 01581			
Weight: 0 lb 1.90 oz			
Acceptance Date:			
Thu 11/04/2021			
Tracking #:			
9405 5036 9930 0051 0240 78			

Prepaid Mail	1		\$0.00
Guilford, CT 06437			
Weight: 0 lb 7.70 oz			
Acceptance Date:			
Thu 11/04/2021			
Tracking #:			
9405 5036 9930 0051 0240 85			

Prepaid Mail	1		\$0.00
Guilford, CT 06437			
Weight: 0 lb 7.70 oz			
Acceptance Date:			
Thu 11/04/2021			
Tracking #:			
9405 5036 9930 0051 0240 61			

Prepaid Mail	1		\$0.00
Guilford, CT 06437			
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Acceptance Date:			
Thu 11/04/2021			
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Grand Total:			\$0.00
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