



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
755 Amity Road, Bethany, CT 06524
Latitude: 41.442731
Longitude: -72.992455
Site #: 841295_Crown_VZW

Dear Ms. Bachman:

Verizon Wireless is requesting to file an exempt modification for an existing tower located at 755 Amity Road (aka 761 Amity Road), Bethany, CT 06524. Verizon Wireless currently maintains nine (9) antennas at the 140-foot level of the existing 150-foot tower. The property is owned by the Town of Bethany and the tower is owned by Crown Castle. Verizon now intends to add three (3) new antennas. The new antennas would be installed at the 140-foot level of the tower. This modification includes B2, B5 hardware that is both 4G (LTE), and 5G capable.

Verizon Planned Modifications:

Remove: None

Remove and Replace: None

Install New:

(3) MT6407-77A Antennas

Existing to Remain:

(3) DB854DG65ESX Antennas

(6) NHH-65B-R2B Antennas

(3) SAMSUNG B2/B66A RRH-BR049 (RFV01U-D1A)

(3) SAMSUNG B5/B13A RRH-BR04C (RFV01U-D2A)

(12) 1-5/8" Coax

(1) Hybrid Line

(1) Raycap

The facility was approved by the CT Siting Council, Docket No. 168, on July 6, 1995. Please see attached.



NORTHEAST
SITE SOLUTIONS

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 Paula Cofrancesco, First Selectman, and Lina Frazer, Zoning Enforcement Officer for the Town of Bethany. 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

Attachments

Cc: Paula Cofrancesco, First Selectman & Property Owner
Town of Bethany
40 Peck Road, Bethany, CT 06524

Lina Frazer – Zoning Enforcement Officer
Town of Bethany
40 Peck Road, Bethany, CT 06524

Crown Castle, Tower Owner

Exhibit A

Original Facility Approval

DOCKET NO. 168 - An application of Springwich Cellular Limited Partnership for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility located on the former site of the Bethany Airport, 719 Amity Road (Route 63) in Bethany, Connecticut.	}	Connecticut
	}	Siting
	}	Council
	}	July 6, 1995

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 cellular telecommunications tower and equipment building at the proposed site in Bethany, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to Springwich Cellular Limited Partnership (Springwich), for the construction, operation, and maintenance of a cellular telecommunications tower, associated equipment, and building at the proposed site located at the Bethany Airport, 719 Amity Road, Bethany, Connecticut.

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

1. The self-supporting monopole tower shall be no taller than necessary to provide the proposed communications service and the tower shall not exceed a total height of 150 feet above ground level (AGL).
2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include detailed plans for the tower location and tower foundation; the placement of all antennas to be attached to this tower; equipment building, access road, utility line, and security fence; site clearing and tree trimming, and water drainage and erosion and sedimentation controls consistent with the Connecticut Guidelines for Soil Erosion and Sedimentation Control, as amended.
3. 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.
4. The Certificate Holder shall provide the Council a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels originally calculated and provided in the application.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
6. If the facility does not initially provide, or permanently ceases to provide cellular 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 reapplication for any continued or new use shall be made to the Council before any such use is made.
7. Unless otherwise approved by the Council, this Decision and Order shall be void if all construction authorized herein is not completed within three years of the effective date of this Decision and Order or within three years after all appeals to this Decision and Order have been resolved.
8. The Certificate Holder shall notify the Council upon completion of construction and provide the final cost to construct the facility.

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 New Haven Register and Beth-Wood News.

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

The parties and intervenors to this proceeding are:

APPLICANT

Springwich Cellular Limited Partnership

ITS REPRESENTATIVES

Peter J. Tyrrell, Esq.
Springwich Cellular Limited Partnership
227 Church Street
New Haven, CT 06510

INTERVENOR

Metro Mobile CTS of Hartford, Inc.

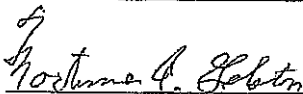
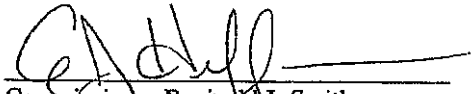
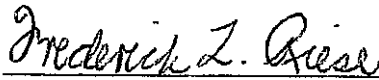
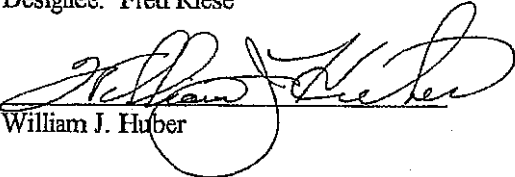
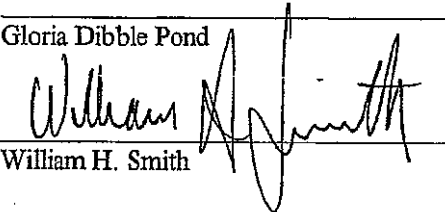
ITS REPRESENTATIVES

Metro Mobile CTS of Hartford, Inc.
20 Alexander Drive
Wallingford, CT 06492
Attn: David S. Malko, P.E., Manager
Engineering & Regulatory Services

Robinson & Cole
One Commercial Plaza
Hartford, CT 06103-3597
Attn: Brian C.S. Freeman, Esq.

CERTIFICATION

The Undersigned members of the Connecticut Siting Council (Council) hereby certify that they have heard this case, or read the record thereof, in Docket No. 168 - An application of Springwich Cellular Limited Partnership for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a cellular telecommunications facility located on the former site of the Bethany Airport, 719 Amity Road (Route 63) in Bethany, Connecticut, and voted as follows:

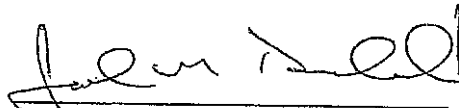
<u>Council Members</u>	<u>Vote Cast</u>
 Mortimer A. Gelston Chairman	YES
 Commissioner Reginald J. Smith Designee: Gerald J. Heffernan	YES
 Commissioner Sidney J. Holbrook Designee: Fred Riese	YES
 William J. Huber	YES
Gloria Dibble Pond	ABSENT
 William H. Smith	YES
Colin C. Tait	ABSTAIN
Edward S. Wilensky	ABSENT
 Dana J. Wright	YES

Dated at New Britain, Connecticut, July 6, 1995.

STATE OF CONNECTICUT }
ss. New Britain, Connecticut }
COUNTY OF HARTFORD
STATE OF CONNECTICUT } July 7, 1995

I hereby certify that the foregoing is a true and correct copy of the Findings of Fact, Opinion, and Decision and Order issued by the Connecticut Siting Council, State of Connecticut.

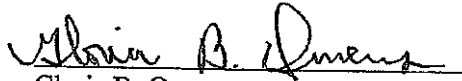
ATTEST:



Joel M. Rinebold
Executive Director
Connecticut Siting Council

I certify that a copy of the Findings of Fact, Opinion, and Decision and Order in Docket No. 168 have been forwarded by Certified First Class Return Receipt Requested mail on July 7, 1995, to all parties and intervenors of record as listed on the attached service list, dated April 10, 1995.

ATTEST:



Gloria B. Owens
Administrative Assistant
Connecticut Siting Council

Exhibit B

Property Card

The Assessor's office is responsible for the maintenance of records on the ownership of properties. Assessments are computed at 70% of the estimated market value of real property at the time of the last revaluation which was 2018.



Information on the Property Records for the Municipality of Bethany was last updated on 2/27/2021.

Parcel Information

Location:	755 AMITY RD	Property Use:	Public Use	Primary Use:	Fire Station - Volunteer
Unique ID:	00016500	Map Block Lot:	117/1	Acres:	138.50
490 Acres:	0.00	Zone:	B&I	Volume / Page:	0044/0306
Developers Map / Lot:		Census:			

Value Information

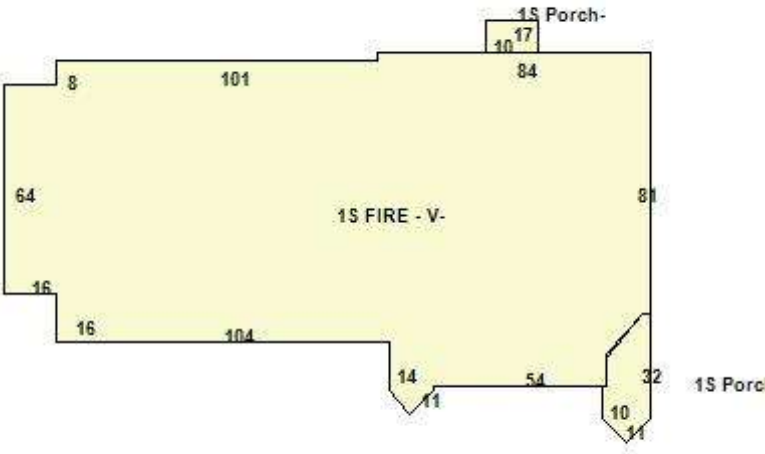
	Appraised Value	Assessed Value
Land	1,421,200	994,840
Buildings	1,878,616	1,315,030
Detached Outbuildings	150,924	105,650
Total	3,450,740	2,415,520

Owner's Information

Owner's Data

BETHANY TOWN OF
40 PECK RD
BETHANY CT 06524

Building 1



Category:	Public Use	Use:	Fire Station - Volunteer	Stories:	1.00
Above Grade:	18,387	Below Grade:	0	Below Grade Finish:	0
Construction:	Average	Year Built:	1996	Heating:	FHA

Fuel:	Oil	Cooling Percent:	100%	Siding:	Vinyl
Roof Material:	Asphalt	Beds/Units:	0		

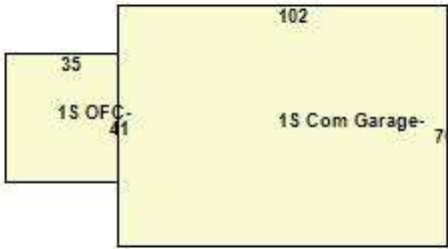
Special Features

Extra Plumbing Fixtures	6
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Attached Components

Type:	Year Built:	Area:
Open Porch	2008	170
Open Porch	2008	460

Building 2



Category:	Automotive	Use:	Commercial Garage	Stories:	1.00
Above Grade:	9,187	Below Grade:	0	Below Grade Finish:	0
Construction:	Low Cost	Year Built:	2008	Heating:	
Fuel:		Cooling Percent:	20%	Siding:	
Roof Material:		Beds/Units:	0		

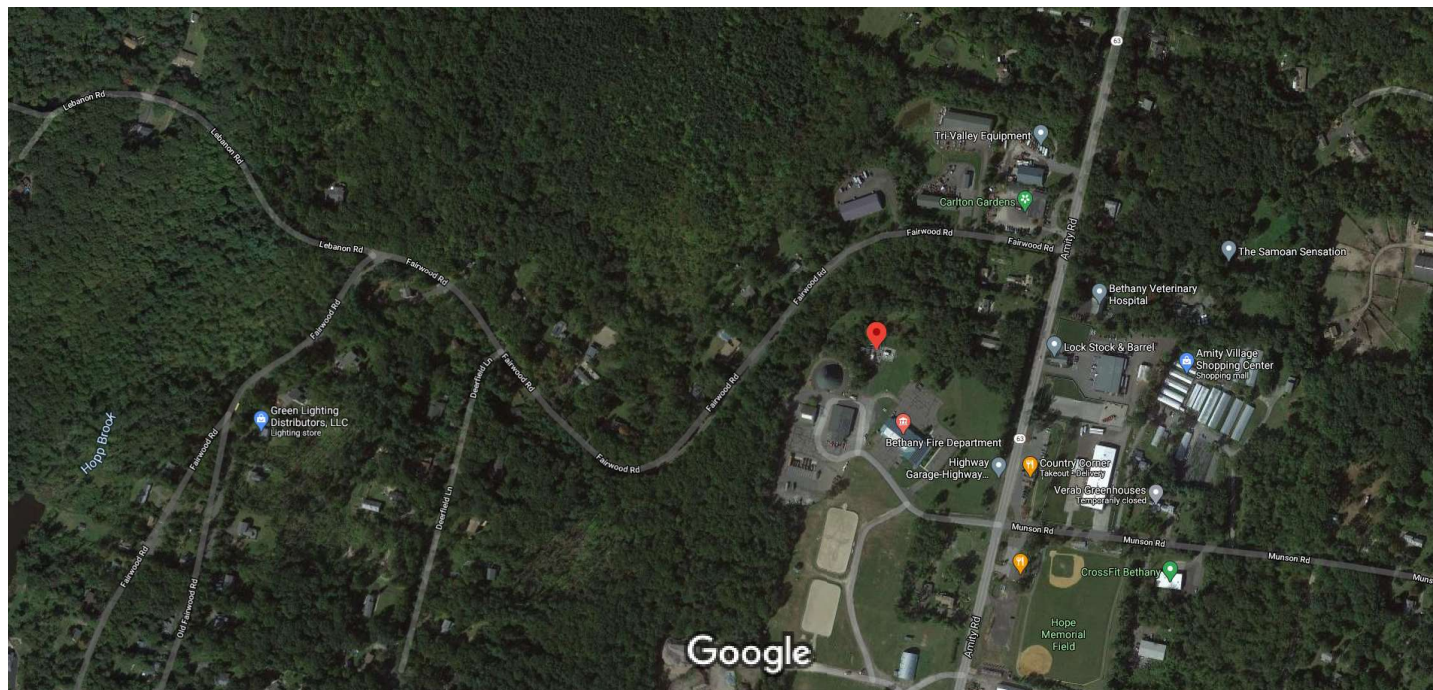
Special Features

Attached Components

Detached Outbuildings

Type:	Year Built:	Length:	Width:	Area:
Paving	1996			40,000
Average Shed	2003			6,320
Average Shed	1996			3,000
Average Shed	1979			600
Frame Shed	2003			310

Information Published With Permission From The Assessor



Imagery ©2021 Maxar Technologies, U.S. Geological Survey, USDA Farm Service Agency, Map data ©2021 200 ft



41°26'33.9"N 72°59'32.9"W

41.442758, -72.992461



Directions



Save



Nearby



Send to your
phone



Share



Bethany, CT 06524



C2V5+42 Bethany, Connecticut

Photos

Exhibit C

Construction Drawings



VERIZON SITE NUMBER: 468546
VERIZON SITE NAME: BETHANY NORTH CT
SITE TYPE: MONOPOLE
TOWER HEIGHT: 151'-0"

BUSINESS UNIT #: 841295
SITE ADDRESS: 755 AMITY RD
BETHANY, CT 06524
COUNTY: NEW HAVEN
JURISDICTION: CONNECTICUT
SITING COUNCIL

VERIZON 5G L-SUB6 - CARRIER ADD

verizon

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

CC

CROWN
CASTLE

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

B+T GRP

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

VERIZON SITE NUMBER:
468546

BU #: 841295
BETHANY

755 AMITY RD
BETHANY, CT 06524

EXISTING 151'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/1/21	STH	FOR CONSTRUCTION	STH

Professional Engineer
No. 23924
4/1/21

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

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

SHEET NUMBER:	REVISION:
T-1	0

SITE INFORMATION

CROWN CASTLE USA INC. SITE NAME: BETHANY
SITE ADDRESS: 755 AMITY RD
BETHANY, CT 06524
COUNTY: NEW HAVEN
MAP/PARCEL #: 00182510
AREA OF CONSTRUCTION: EXISTING
LATITUDE: 41.442711°
LONGITUDE: -72.992495°
LAT/LONG TYPE: NAD83
GROUND ELEVATION: 749'
CURRENT ZONING: B-I
JURISDICTION: CONNECTICUT SITING COUNCIL
OCCUPANCY CLASSIFICATION: U
TYPE OF CONSTRUCTION: IIB
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT FOR
HUMAN HABITATION
PROPERTY OWNER: SNET (TAX DEPT) FRONTIER COMMUNICATIONS
401 MERRITT 7
NORWALK, CT 06851
TOWER OWNER: CROWN CASTLE
2000 CORPORATE DRIVE
CANONSBURG, PA 15317
CARRIER/APPLICANT: VERIZON WIRELESS
20 ALEXANDER DRIVE, 2ND FLOOR
WALLINGFORD, CT 06492
ELECTRIC PROVIDER: NOT PROVIDED
TELCO PROVIDER: NOT PROVIDED

PROJECT TEAM

A&E FIRM: B+T GROUP
1717 S. BOULDER AVE.
TULSA, OK 74119
MARVIN PHILLIPS
marvin.phillips@btgrp.com
CROWN CASTLE USA INC. DISTRICT CONTACTS: 3 CORPORATE PARK DRIVE, SUITE 101
CLIFTON PARK, NY 12065
N/A - PROJECT MANAGER
N/A
N/A - CONSTRUCTION MANAGER
N/A
VERIZON CONTACT: TIMOTHY PARKS
TIMOTHY.PARKS@VERIZONWIRELESS.COM

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

APPROVALS

SIGNATURE	DATE

CONTRACTOR PMI REQUIREMENTS

PMI ACCESSED AT <https://pmi.vxwsmart.com>
SMART TOOL VENDOR
PROJECT NUMBER ----
VzW LOCATION CODE (PSLC) ----
*** PMI AND REQUIREMENTS ALSO EMBEDDED IN MOUNT ANALYSIS REPORT

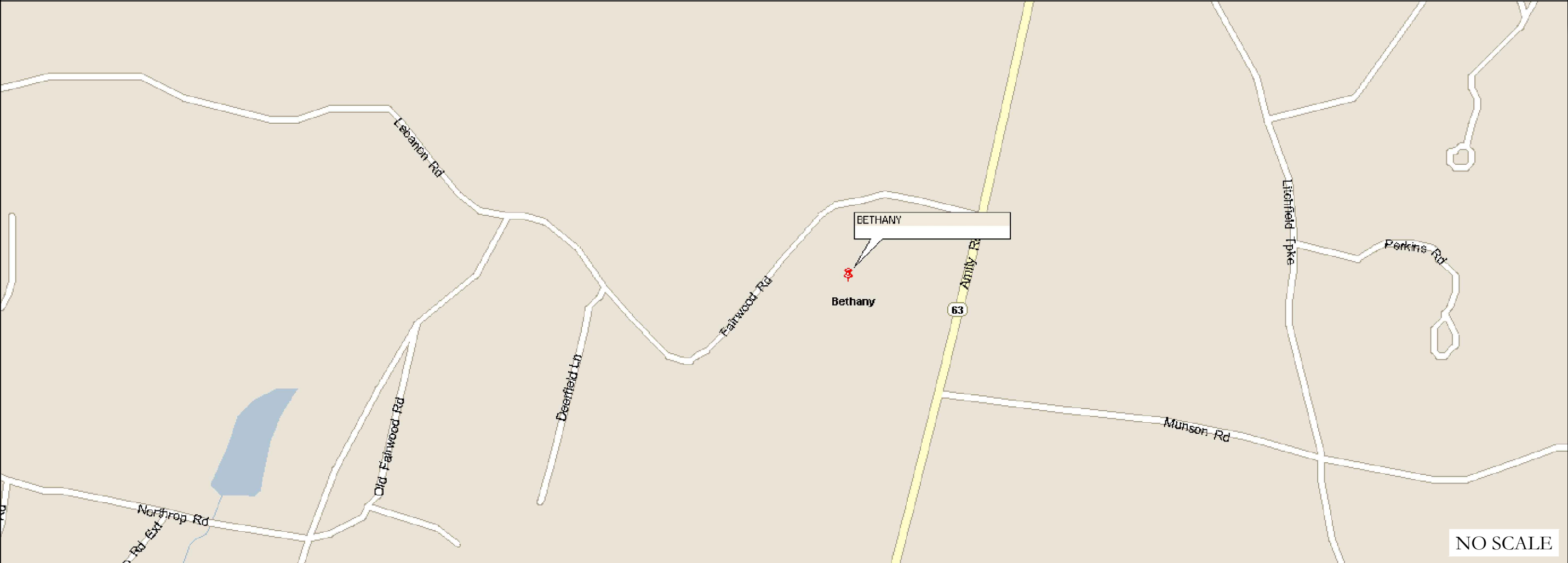
MOUNT MODIFICATION REQUIRED

N

VzW APPROVED SMART KIT VENDORS

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

LOCATION MAP



DEPART BRADLEY INTERNATIONAL AIRPORT ON TERMINAL RD. ROAD NAME CHANGES TO CT-20 [BRADLEY FIELD CONNECTOR]. TAKE RAMP ONTO I-91 [RICHARD P HORAN MEMORIAL HWY]. AT EXIT 32A-32B, TURN RIGHT ONTO RAMP. TAKE RAMP ONTO I-84 [US-6]. AT EXIT 26, TURN RIGHT ONTO RAMP. TURN LEFT ONTO CT-70 [WATERBURY RD]. TURN RIGHT ONTO CT-68 [PROSPECT RD]. KEEP STRAIGHT ONTO CT-68 [CHESHIRE RD]. TURN LEFT ONTO COER RD. TURN LEFT ONTO CT-69 [NEW HAVEN RD]. BEAR RIGHT ONTO CT-69 [CARRINGTON RD]. BEAR RIGHT ONTO CT-42 [CHESHIRE RD]. TURN LEFT ONTO CT-42 [CT-63]. KEEP STRAIGHT ONTO CT-63 [AMITY RD]. TURN RIGHT ONTO FAIRWOOD RD. TURN LEFT ONTO ACCESS ROAD. ARRIVE AT BETHANY.

APPLICABLE CODES/REFERENCE DOCUMENTS

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

CODE TYPE	CODE
BUILDING	2015 IBC WITH AMENDMENTS / 2018 CT STATE BUILDING CODE
MECHANICAL	2015 IMC WITH AMENDMENTS
ELECTRICAL	2017 NEC WITH AMENDMENTS

REFERENCE DOCUMENTS:

STRUCTURAL ANALYSIS:	B+T GROUP
DATED:	8/14/21
MOUNT ANALYSIS:	MASER CONSULTING CONNECTICUT
DATED:	7/22/21
RFDS REVISION:	N/A
DATED:	7/15/21
ORDER ID:	582523
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:
• INSTALL (3) ANTENNAS W/ INTEGRATED RADIOS

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

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) CONSTRUCTION SAFETY PROCEDURES.
- 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 GROUNDDED 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 PROTECTION 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 336, 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°f 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 ENERGY 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 (WIREMOLD 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	GROUND	GREEN
	A PHASE	BROWN
	B PHASE	ORANGE OR PURPLE
	C PHASE	YELLOW
DC VOLTAGE	NEUTRAL	GREY
	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



180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



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



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

VERIZON SITE NUMBER:
468546

BU #: 841295
BETHANY

755 AMITY RD
BETHANY, CT 06524

EXISTING 151'-0" MONOPOLE

ISSUED FOR:				
REV	DATE	DRWN	DESCRIPTION	DES./QA
0	9/1/21	STH	FOR CONSTRUCTION	STH



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

IT IS A VIOLATION OF LAW FOR ANY PERSON,
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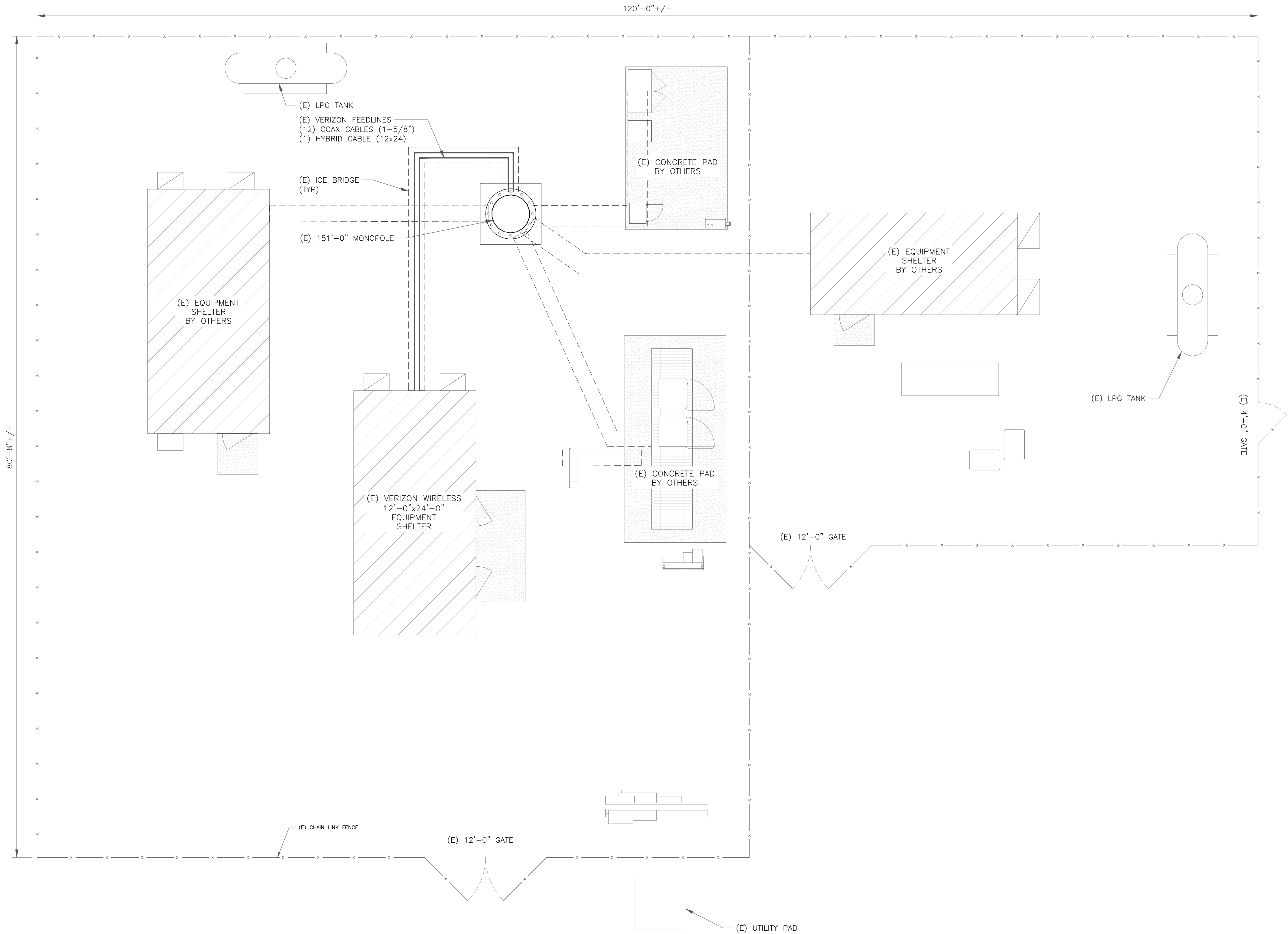
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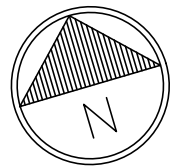
REVISION:

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1 SITE PLAN
SCALE: 3/16"=1'-0" (FULL SIZE)
3/32"=1'-0" (11x17)



verizon[✓]
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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0	9/1/21	STH	FOR CONSTRUCTION	STH

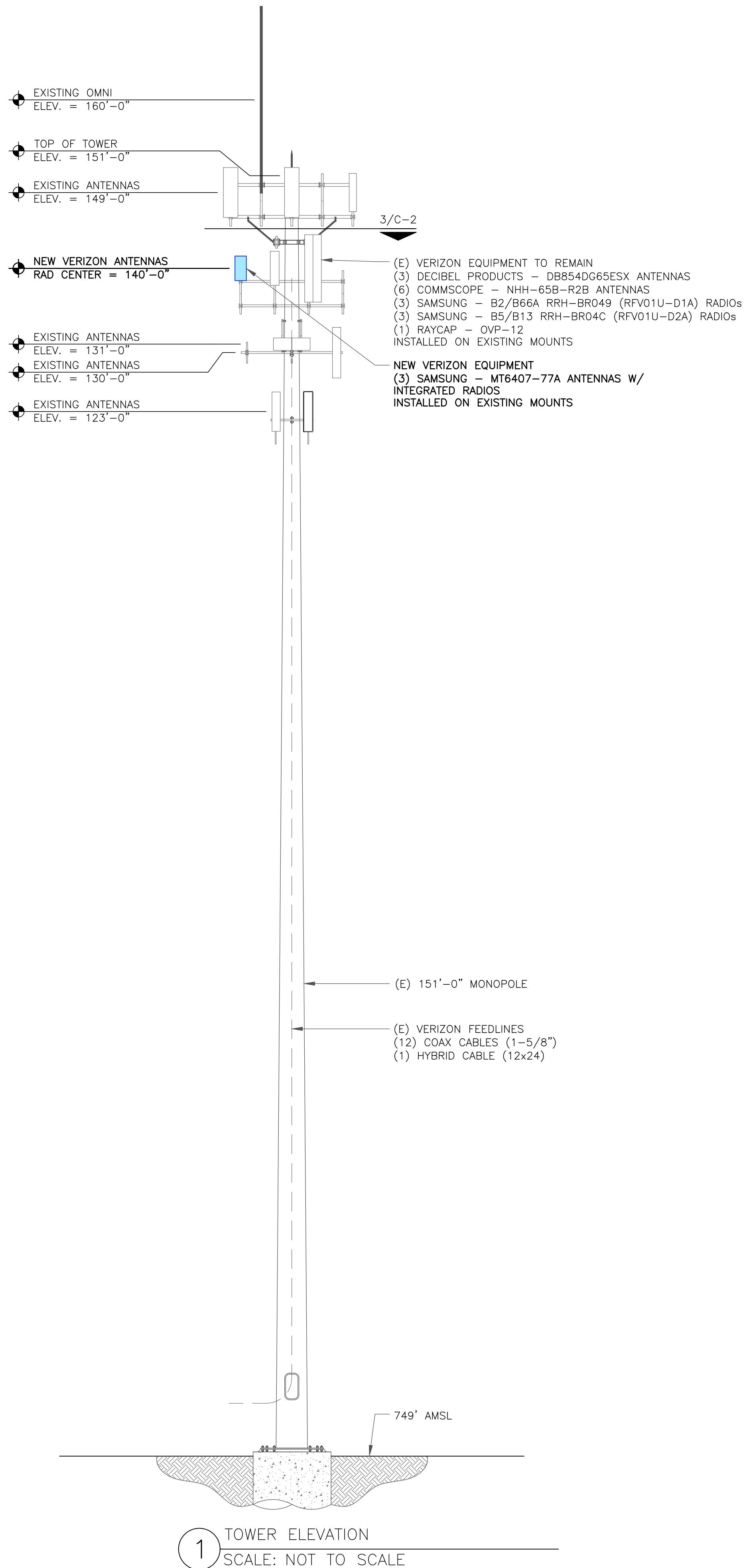


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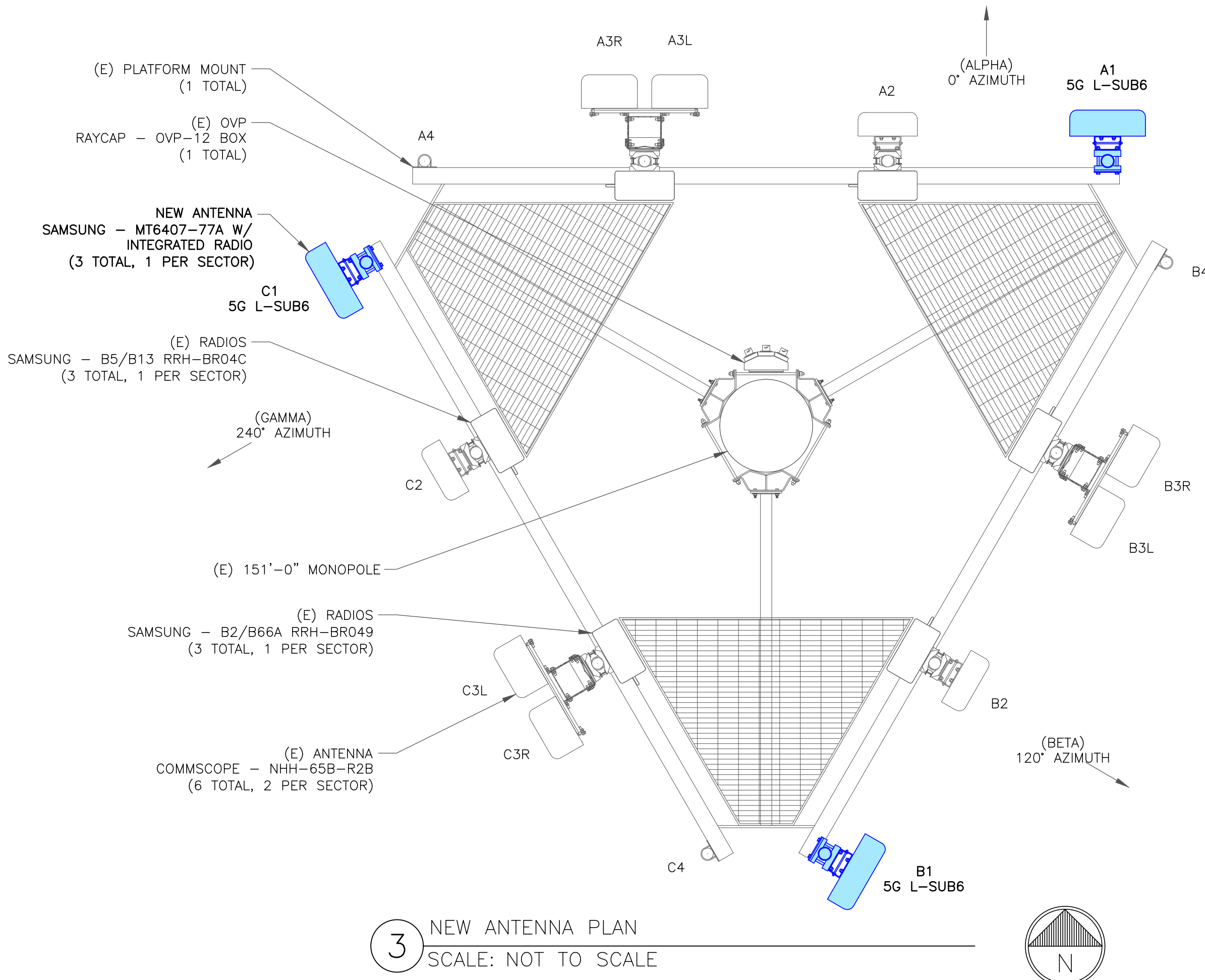
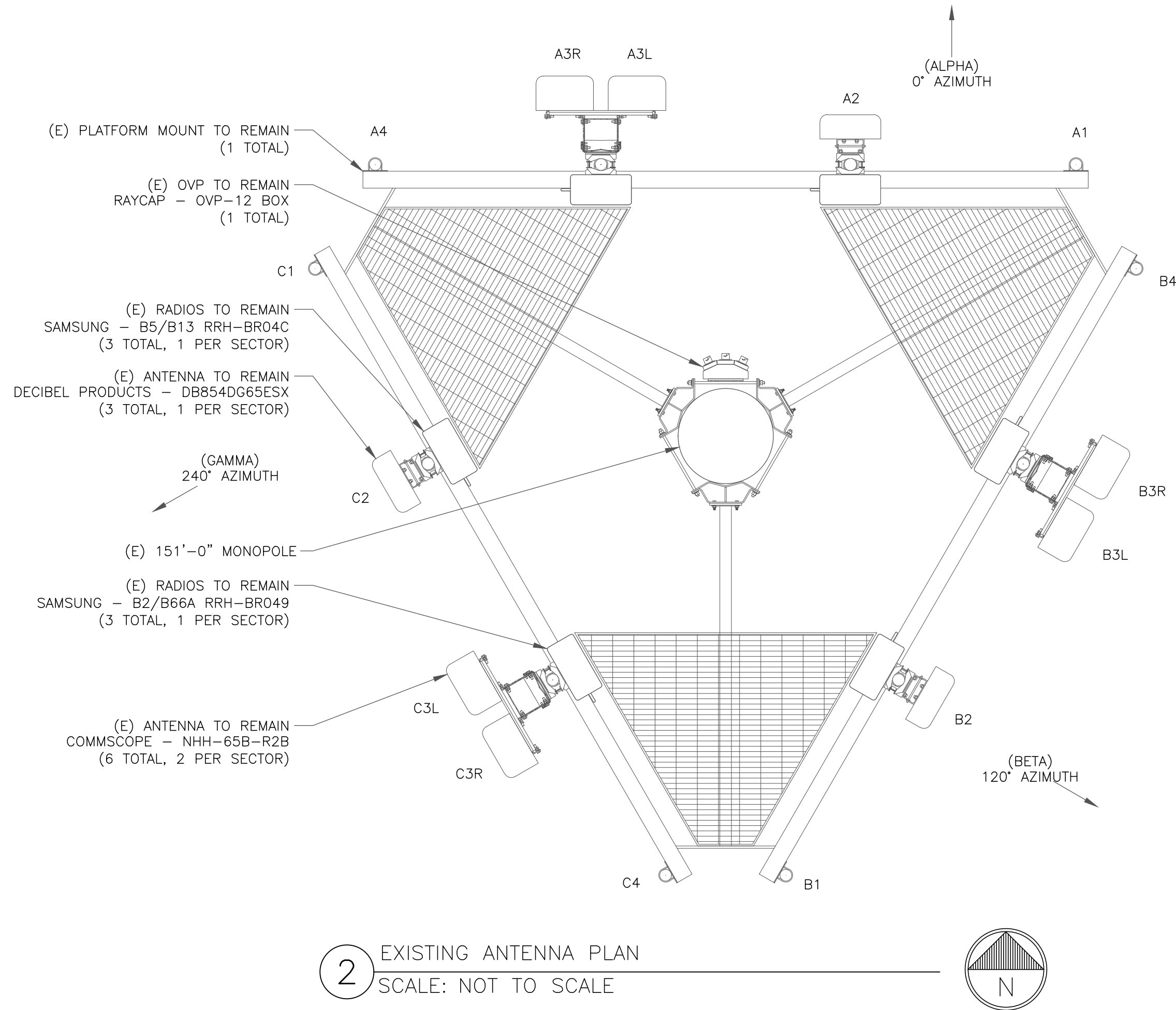
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VERIZON EQUIPMENT
ANTENNA CL: 140'-0"
MOUNT CL: 137'-0"



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BETHANY

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BETHANY, CT 06524

EXISTING 151'-0" MONOPOLE

ISSUED FOR:

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



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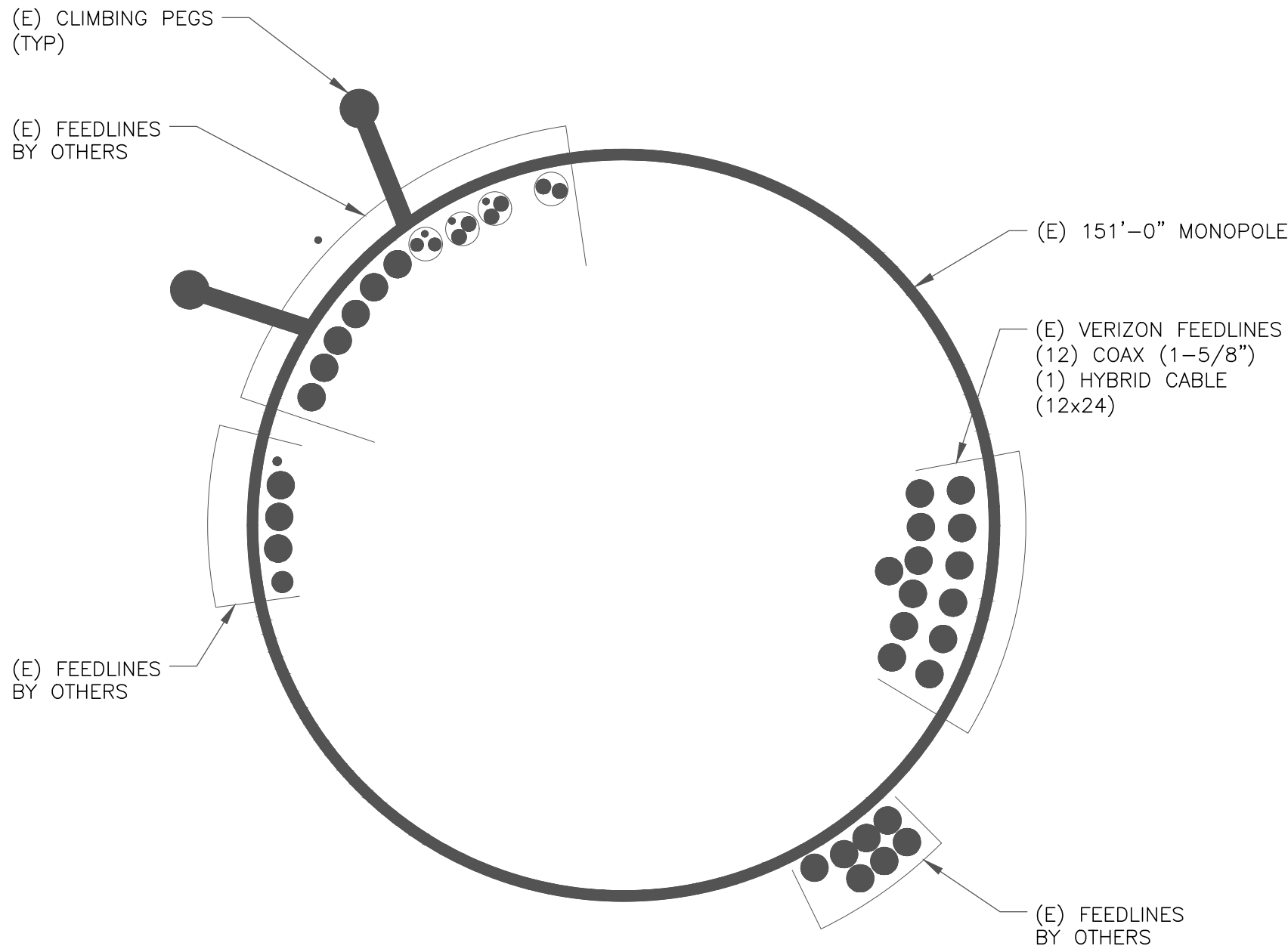
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ANTENNA/RRH SCHEDULE									
SECTOR	STATUS	ANTENNA MANUFACTURER	ANTENNA MODEL	ANTENNA CENTERLINE	AZIMUTH	MECHANICAL DOWNTILTS	ELECTRICAL DOWNTILTS	TOWER EQUIPMENT MANUFACTURER	TOWER EQUIPMENT QTY/MODEL
A1	NEW	SAMSUNG	MT6407-77A	140'-0"	0°	0°	6°	-	INBUILT RADIO
A2	EXISTING	DECIBEL PRODUCTS	DB854DG65ESX	140'-0"	0°	2°	0°	-	-
A3L	EXISTING	COMMSCOPE	NHH-65B-R2B	140'-0"	0°	0°	4°/4°/4°/2°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
A3R	EXISTING	COMMSCOPE	NHH-65B-R2B	140'-0"	0°	0°	4°/4°/4°/2°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
A4	-	-	EMPTY MOUNT PIPE	-	-	-	-	RAYCAP	(1) OVP-12 BOX
B1	NEW	SAMSUNG	MT6407-77A	140'-0"	120°	0°	6°	-	INBUILT RADIO
B2	EXISTING	DECIBEL PRODUCTS	DB854DG65ESX	140'-0"	120°	3°	0°	-	-
B3L	EXISTING	COMMSCOPE	NHH-65B-R2B	140'-0"	120°	0°	2°/2°/2°/1°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
B3R	EXISTING	COMMSCOPE	NHH-65B-R2B	140'-0"	120°	0°	2°/2°/2°/1°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
B4	-	-	EMPTY MOUNT PIPE	-	-	-	-	-	-
C1	NEW	SAMSUNG	MT6407-77A	140'-0"	240°	0°	6°	-	INBUILT RADIO
C2	EXISTING	DECIBEL PRODUCTS	DB854DG65ESX	140'-0"	240°	3°	0°	-	-
C3L	EXISTING	COMMSCOPE	NHH-65B-R2B	140'-0"	240°	0°	3°/3°/3°/1°	SAMSUNG	(1) B2/B66A RRH-BR049 (RFV01U-D1A)
C3R	EXISTING	COMMSCOPE	NHH-65B-R2B	140'-0"	240°	0°	3°/3°/3°/1°	SAMSUNG	(1) B5/B13 RRH-BR04C (RFV01U-D2A)
C4	-	-	EMPTY MOUNT PIPE	-	-	-	-	-	-

1 VERIZON TOWER EQUIPMENT SCHEDULE
SCALE: NOT TO SCALE

CABLE SCHEDULE				
STATUS	CABLE TYPE	SIZE	LENGTH	QTY
EXISTING	COAX	1-5/8"	190'-0"±	12
EXISTING	HYBRID	12x24	190'-0"±	1
TOTAL CABLE QTY:				13



2 BASE LEVEL DETAIL
SCALE: NOT TO SCALE



180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921



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



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

VERIZON SITE NUMBER:
468546

BU #: 841295
BETHANY

755 AMITY RD
BETHANY, CT 06524

EXISTING 151'-0" MONOPOLE

ISSUED FOR:				
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4/1/21

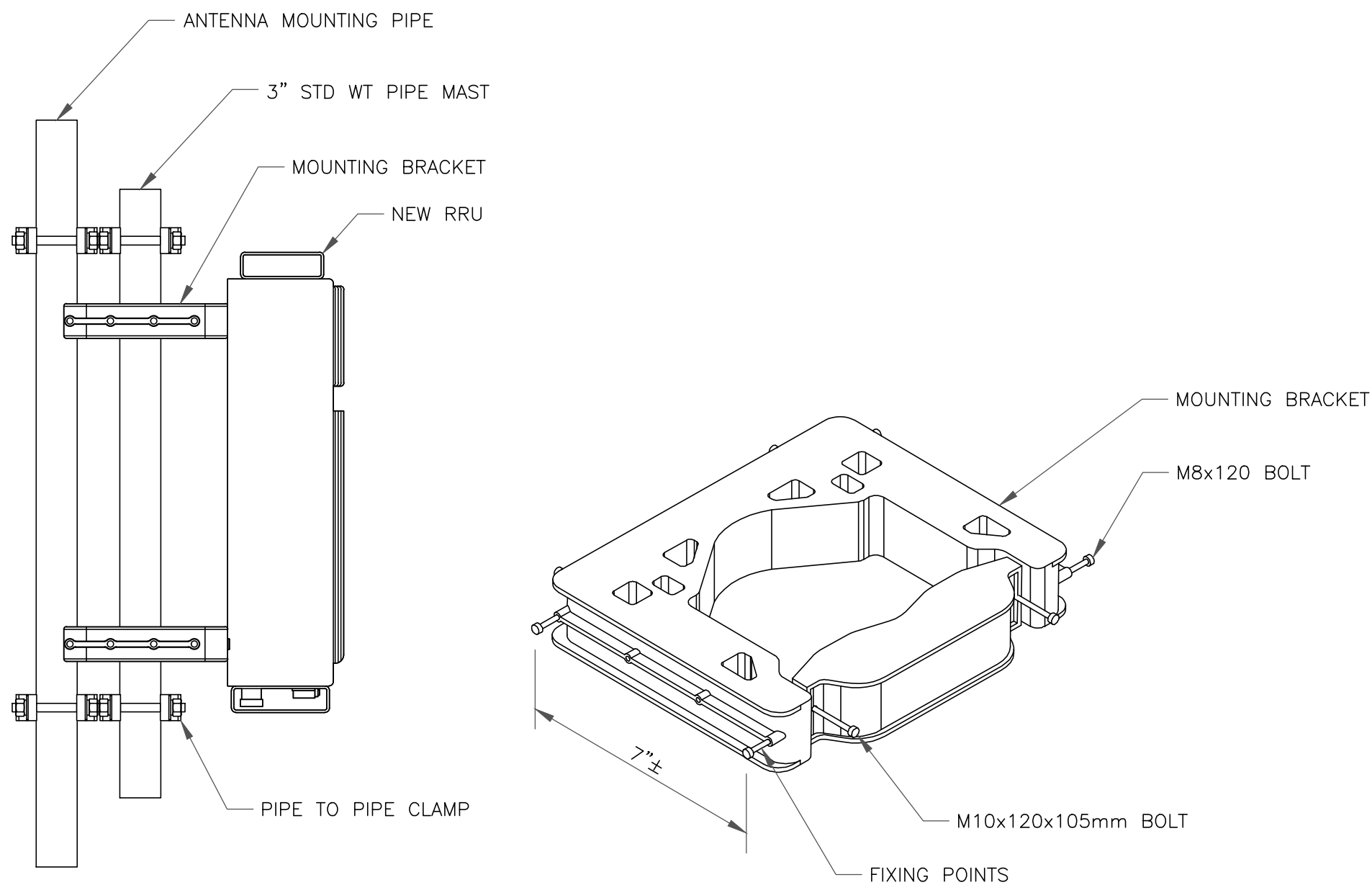
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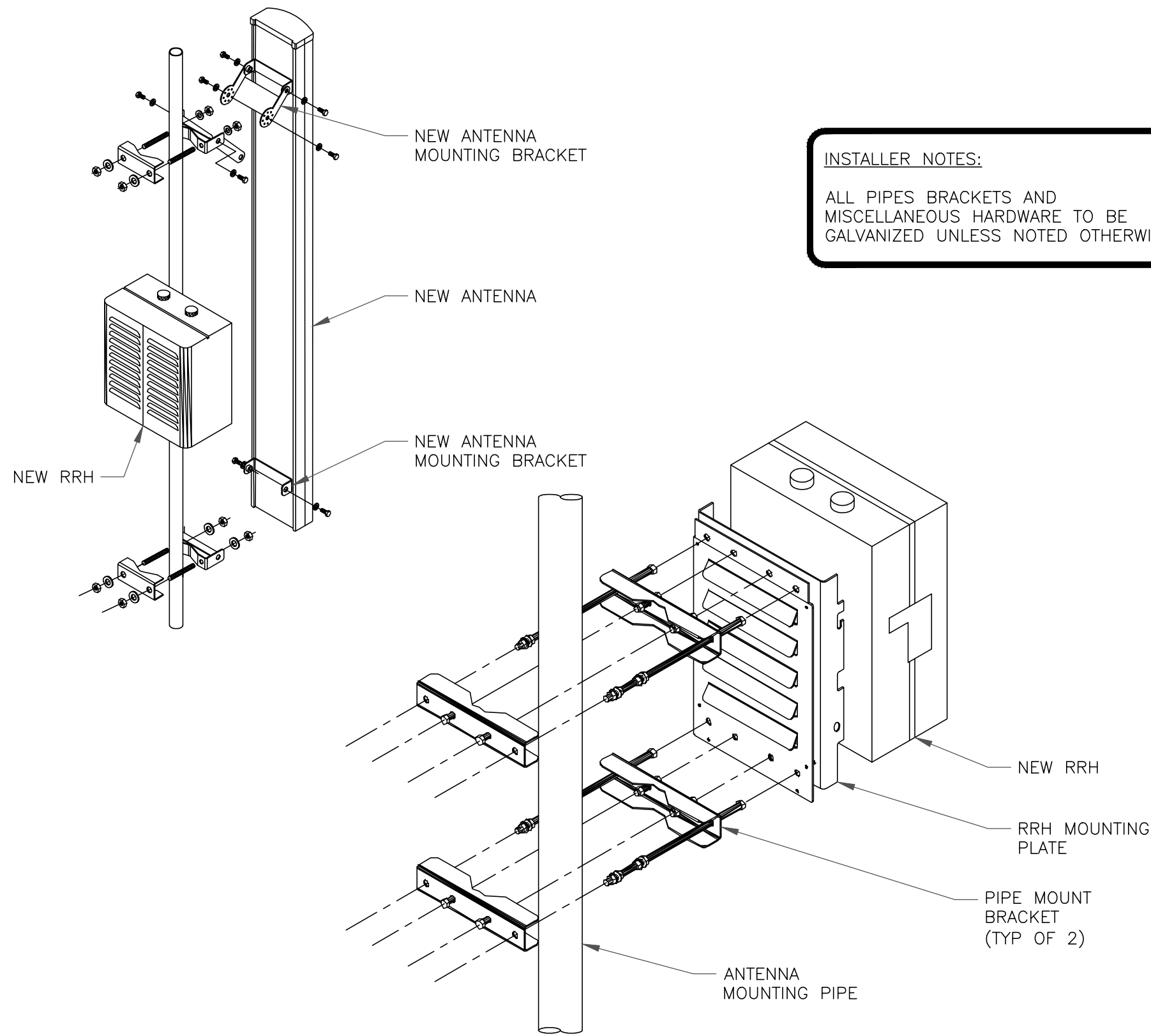
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C-3

REVISION:
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3 NOKIA -- FPKA BRACKET MOUNTING DETAIL
SCALE: NOT TO SCALE



4 ANTENNA & RRH MOUNTING DETAIL
SCALE: NOT TO SCALE

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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www.btgrp.com

VERIZON SITE NUMBER:
468546

BU #: 841295
BETHANY

755 AMITY RD
BETHANY, CT 06524

EXISTING 151'-0" MONOPOLE

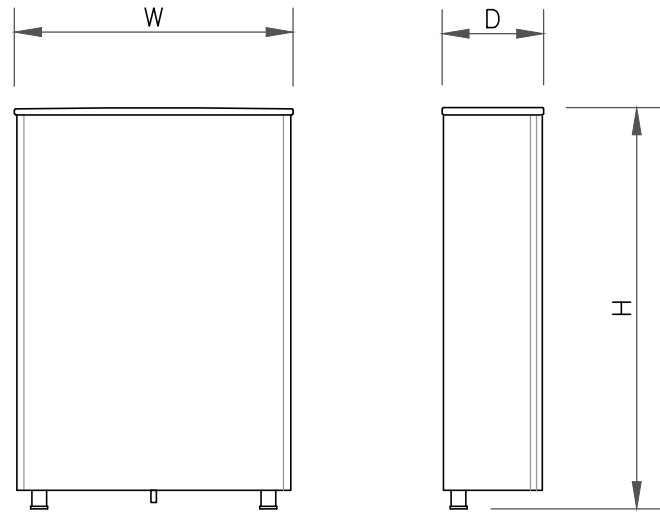
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ANTENNA SPECS

MANUFACTURER	SAMSUNG
MODEL #	MT6407-77A
WIDTH	16.06"
DEPTH	5.51"
HEIGHT	35.06"
WEIGHT	81.57 LBS

1 ANTENNA SPECS
SCALE: NOT TO SCALE

2 NOT USED
SCALE: NOT TO SCALE

3 NOT USED
SCALE: NOT TO SCALE

180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

1717 S. BOULDER
SUITE 300
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VERIZON SITE NUMBER:
468546

BU #: **841295**
BETHANY

755 AMITY RD
BETHANY, CT 06524

EXISTING 151'-0" MONOPOLE

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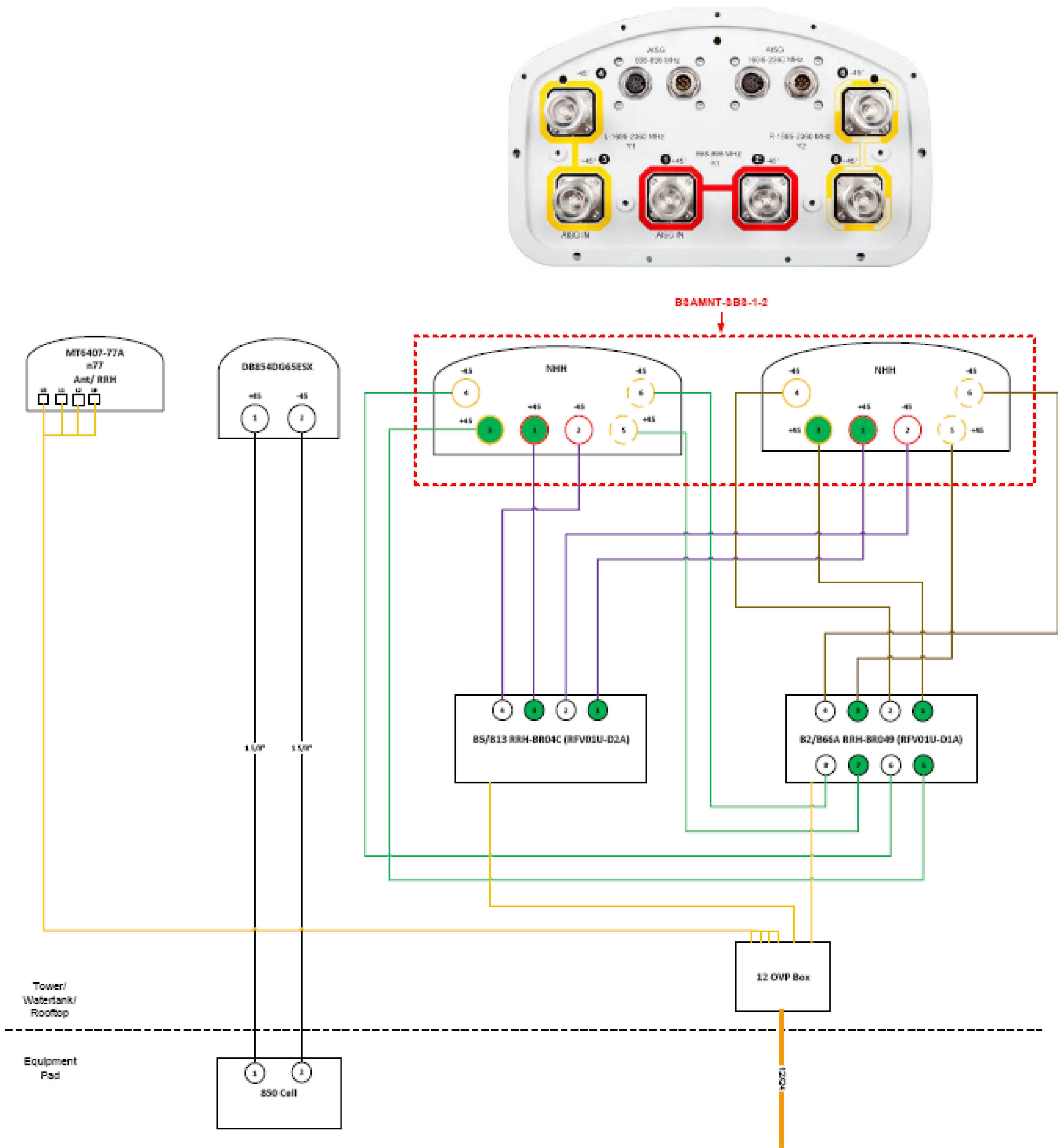
REVISION:
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4 NOT USED
SCALE: NOT TO SCALE

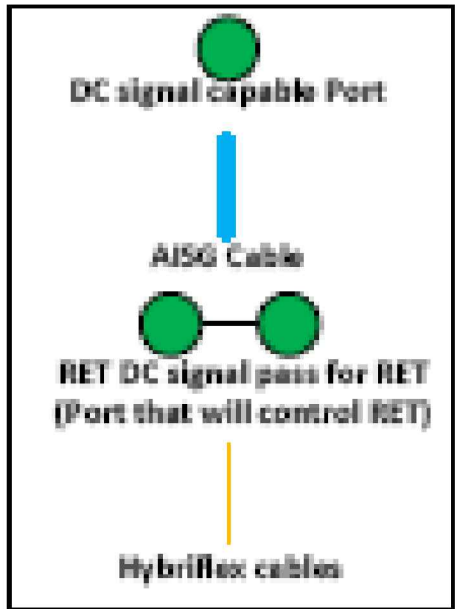
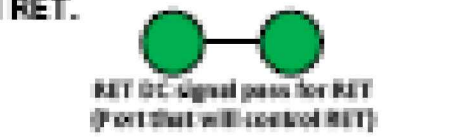
5 NOT USED
SCALE: NOT TO SCALE

6 NOT USED
SCALE: NOT TO SCALE

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- Port 1 & 2 are for low band (698-896 MHz).
- Port 3, 4, 5, & 6 are for high band (1695-2360 MHz).
- 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 & Hybriflex cable. (For the coax colors follow Coax Colors guide above)

verizon
180 WASHINGTON VALLEY ROAD
BEDMINSTER, NJ 07921

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

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

VERIZON SITE NUMBER:
468546

BU #: 841295
BETHANY

755 AMITY RD
BETHANY, CT 06524

EXISTING 151'-0" MONOPOLE

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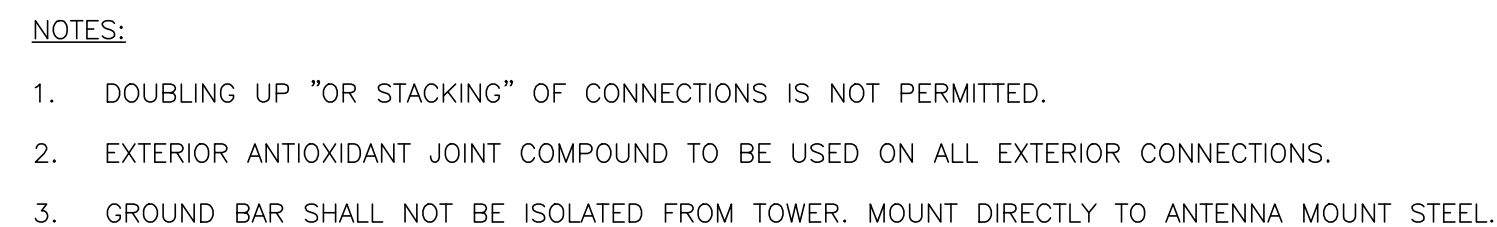


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1 PLUMBING DIAGRAM
SCALE: NOT TO SCALE



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.

The diagram illustrates a cross-section of a ground ring connection. At the top, the ground surface is labeled 'T/FINISH GRADE'. Below it, an '8" PVC PLUG' is shown, with an '8" PVC PLUG CPLG. (THRD.)' passing through it. The plug is seated in a hole in the 'SUBGRADE'. A vertical '5/8" ϕ x 10'-0" LONG COPPER CLAD GROUND ROD' is driven into the ground. A 'CADWELD TEST LOOP TO GROUND RING WIRE' is shown as a horizontal line with a dashed centerline, connected to the ground rod via an 'EXOTHERMIC WELD'. The test loop is positioned 30" below the finish grade and 6" below the frost line. The ground ring wire is shown as a horizontal line with a dashed centerline, connected to the test loop via an 'EXOTHERMIC WELD'. The ground ring wire is labeled '2/0 TINNED CU EXTERNAL TOWER GROUND RING WIRE'. The trench bottom is indicated by a dashed line. A 'NOTCH SIDES OF 8" PVC SCH 40 PIPE TO ALLOW EXIT/ENTRANCE OF GROUND RING WIRE' is shown as a U-shaped cutout in the pipe. A '#2 SOLID (TEST LOOP)' is shown as a vertical line with a dashed centerline, connected to the ground ring wire via an 'EXOTHERMIC WELD'. The test loop is labeled '8" PVC PLUG' and '8" PVC PLUG CPLG. (THRD.)'.

SEE DESIGN NOTE 2

30"

6"

T/FINISH GRADE

8"

8" PVC PLUG

8" PVC PLUG CPLG. (THRD.)

SUBGRADE

#2 SOLID (TEST LOOP)

NOTCH SIDES OF 8" PVC SCH 40 PIPE TO ALLOW EXIT/ENTRANCE OF GROUND RING WIRE

EXOTHERMIC WELD

CADWELD TEST LOOP TO GROUND RING WIRE

2/0 TINNED CU EXTERNAL TOWER GROUND RING WIRE

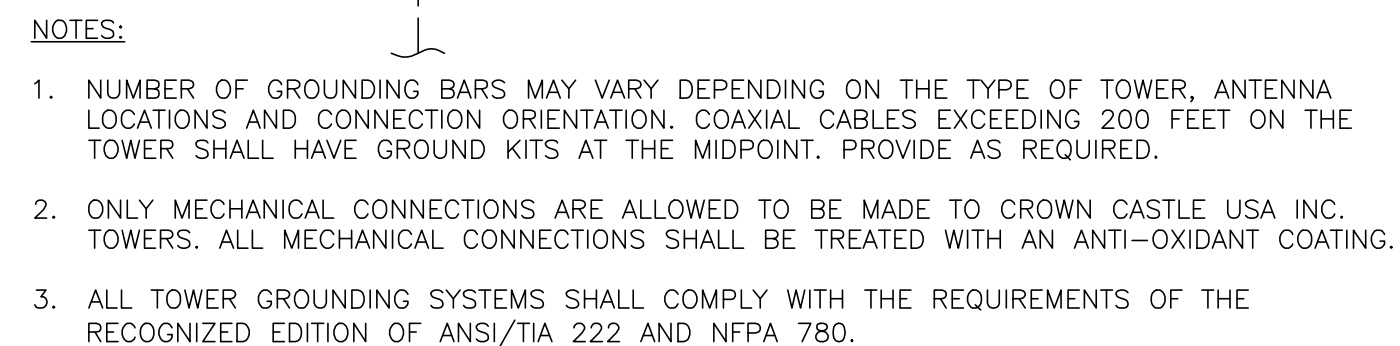
TRENCH BOTTOM

5/8" ϕ x 10'-0" LONG COPPER CLAD GROUND ROD

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)

C



2-HOLE CRIMP/
COMPRESSION
CONNECTOR

STAINLESS STEEL BOLT
(TYP)

STAINLESS STEEL
FLAT WASHER
(TYP)

GROUND BAR

STAINLESS STEEL
BELLVILLE WASHER
(TYP)

STAINLESS STEEL
FLAT WASHER
(TYP)

STAINLESS STEEL NUT
(TYP)

SINGLE CONNECTOR AT GROUND BARS

Diagram illustrating the assembly components for a 2-hole crimp/compression connector:

- 2-HOLE CRIMP/COMPRESSION CONNECTOR
- DRAGON TOOTH WASHER (TYP)
- STAINLESS STEEL BELLVILLE WASHER (TYP)
- STAINLESS STEEL BOLT
- STAINLESS STEEL FLAT WASHER
- STEEL
- STAINLESS STEEL FLAT WASHER (TYP)
- STAINLESS STEEL NUT (TYP)

Diagram illustrating the assembly of a crimp connector. The components shown are:

- 2-HOLE CRIMP/COMPRESSION CONNECTOR
- STAINLESS STEEL SELF-DRILLING METAL SCREW (TYP)
- STAINLESS STEEL FLAT WASHER (TYP)
- DRAGON TOOTH WASHER (TYP)
- METALLIC OBJECT

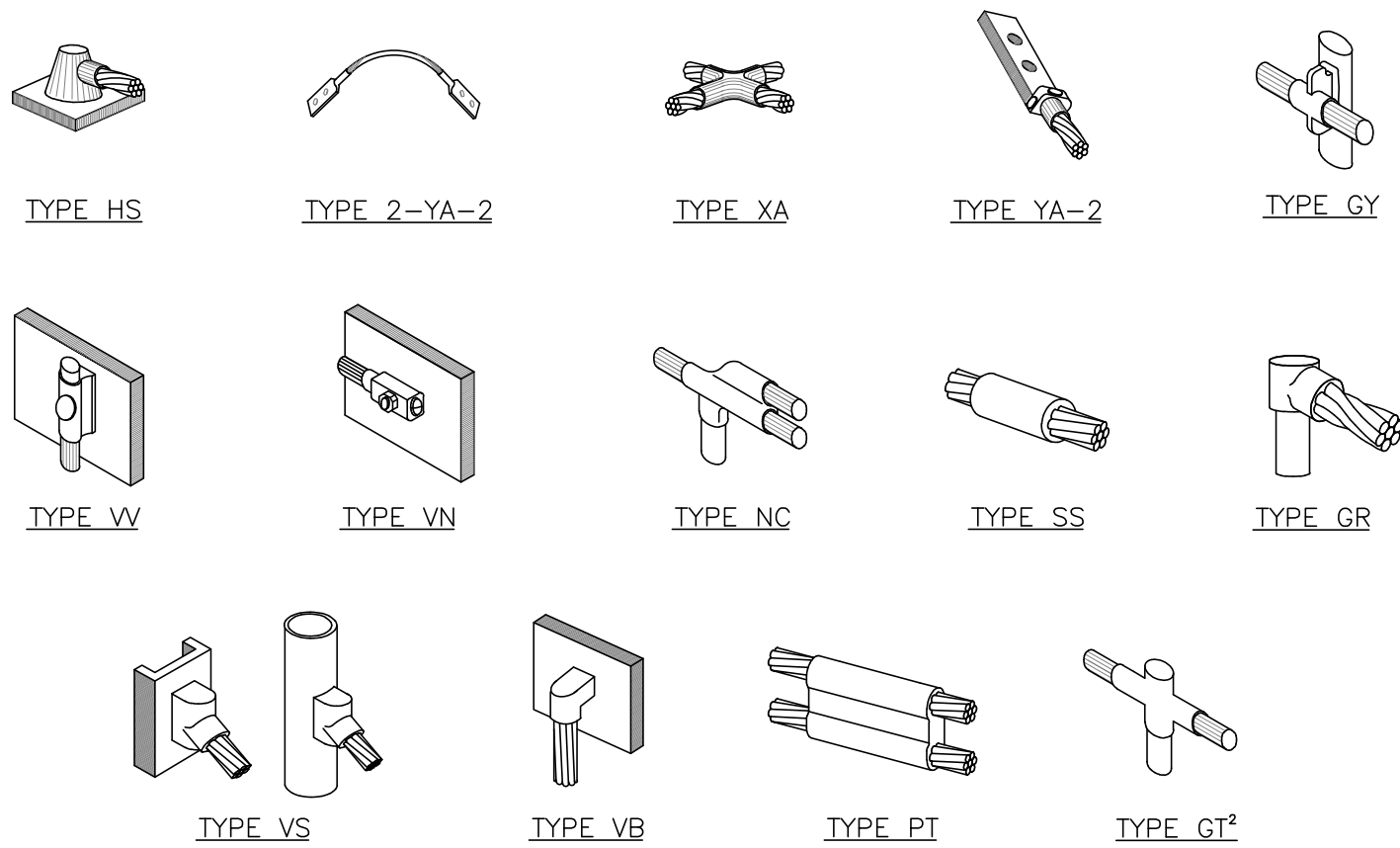
Diagram illustrating the connection between a tower ground loop and a carrier and ice bridge ground loop. The diagram shows a cross-section of the ground surface (GRADE) and the internal structure of the ground rods.

- GRADE**: The top surface of the ground.
- 6" WIDE METALLIC HTL WARNING/LOCATOR TAPE AT 12" DEPTH**: A layer of tape located 12 inches below the grade.
- EXOTHERMIC WELD**: The connection point between the two ground rods.
- GROUND RING #2 COPPER WIRE SOLID, TINNED FOR CARRIER AND ICE BRIDGE GROUND LOOP**: The upper section of the ground rod.
- GROUND RING 2/0 FOR TOWER GROUND LOOP**: The lower section of the ground rod.
- GROUND ROD COPPER CLAD STEEL ROD W/MIN. 5/8" Ø x 10'-0" LONG**: The full length of the ground rod.
- SEE DESIGN NOTE 2**: Reference to additional design specifications.
- 30" (MIN)**: The minimum depth of the ground rod below the grade.

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)

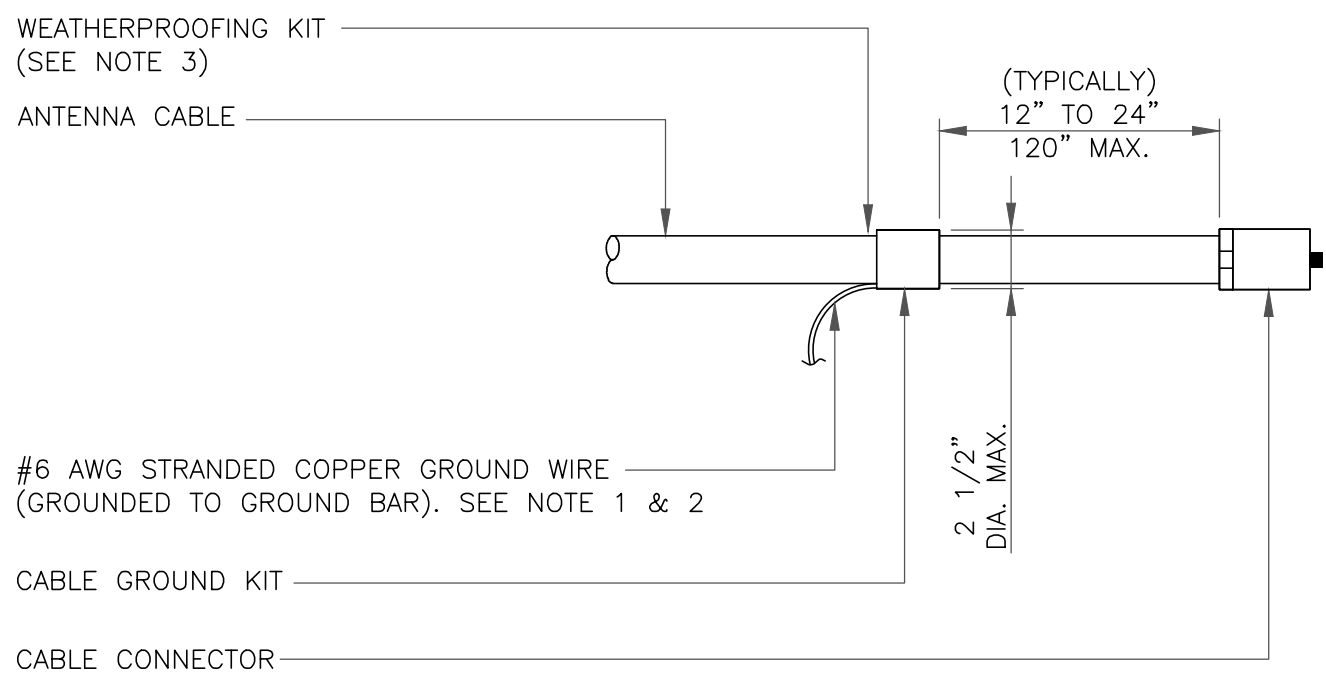
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NOTE:

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.

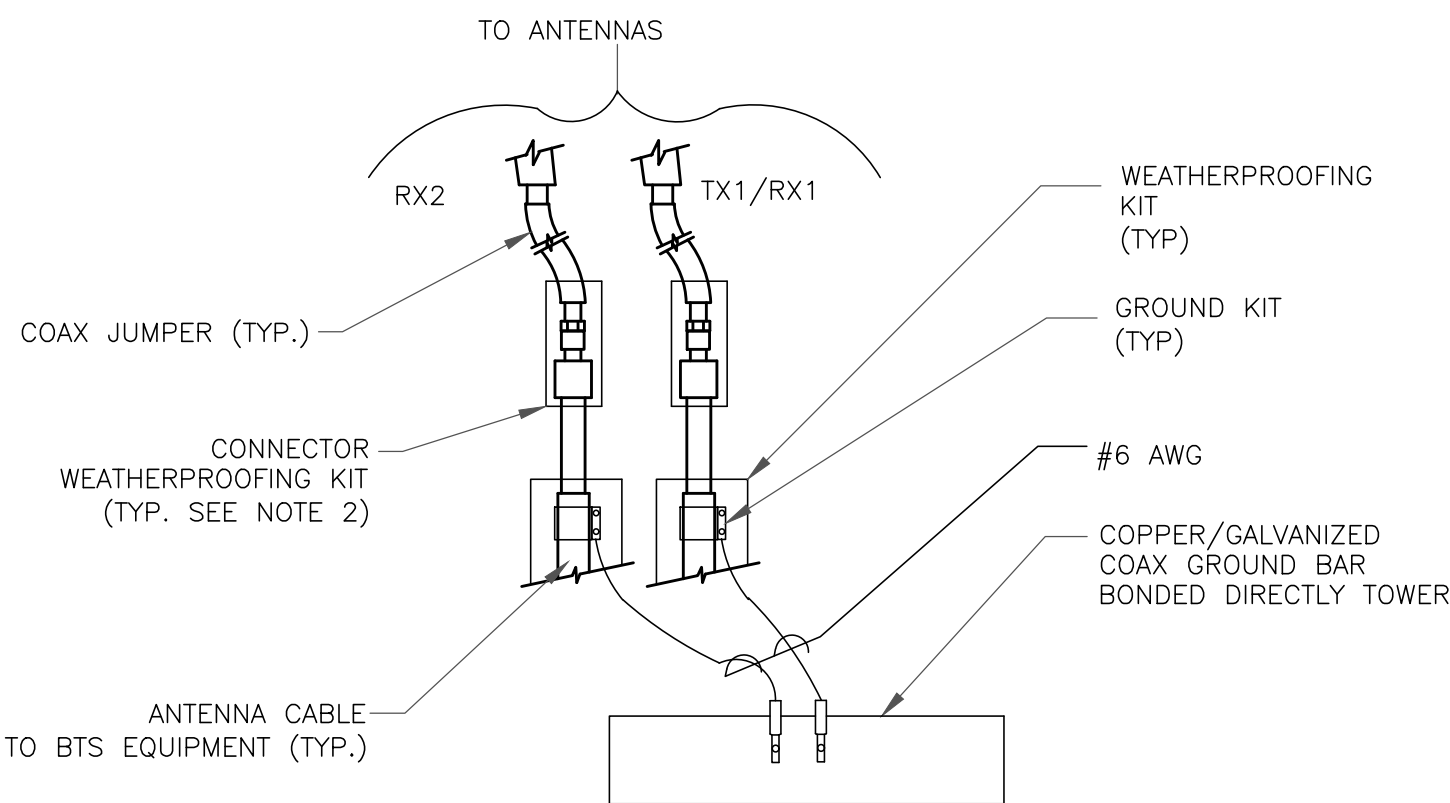
1 CADWELD GROUNDING CONNECTIONS
SCALE: NOT TO SCALE



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.

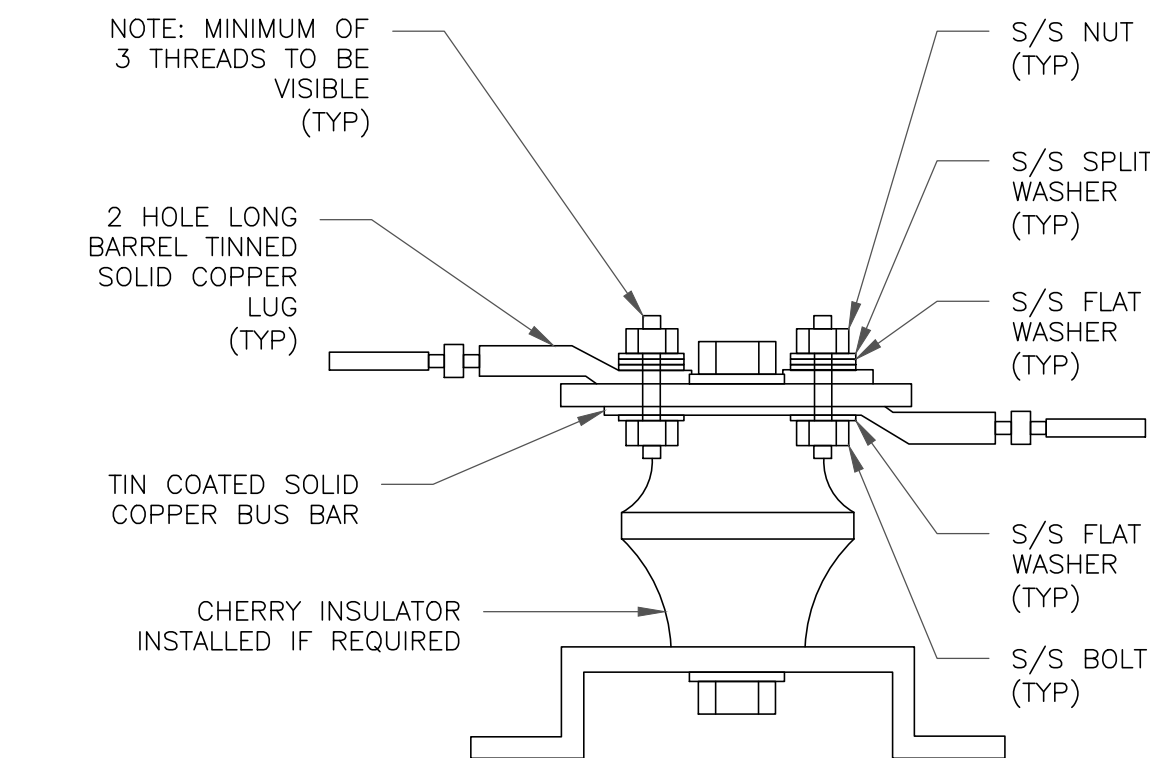
3 CABLE GROUND KIT CONNECTION
SCALE: NOT TO SCALE



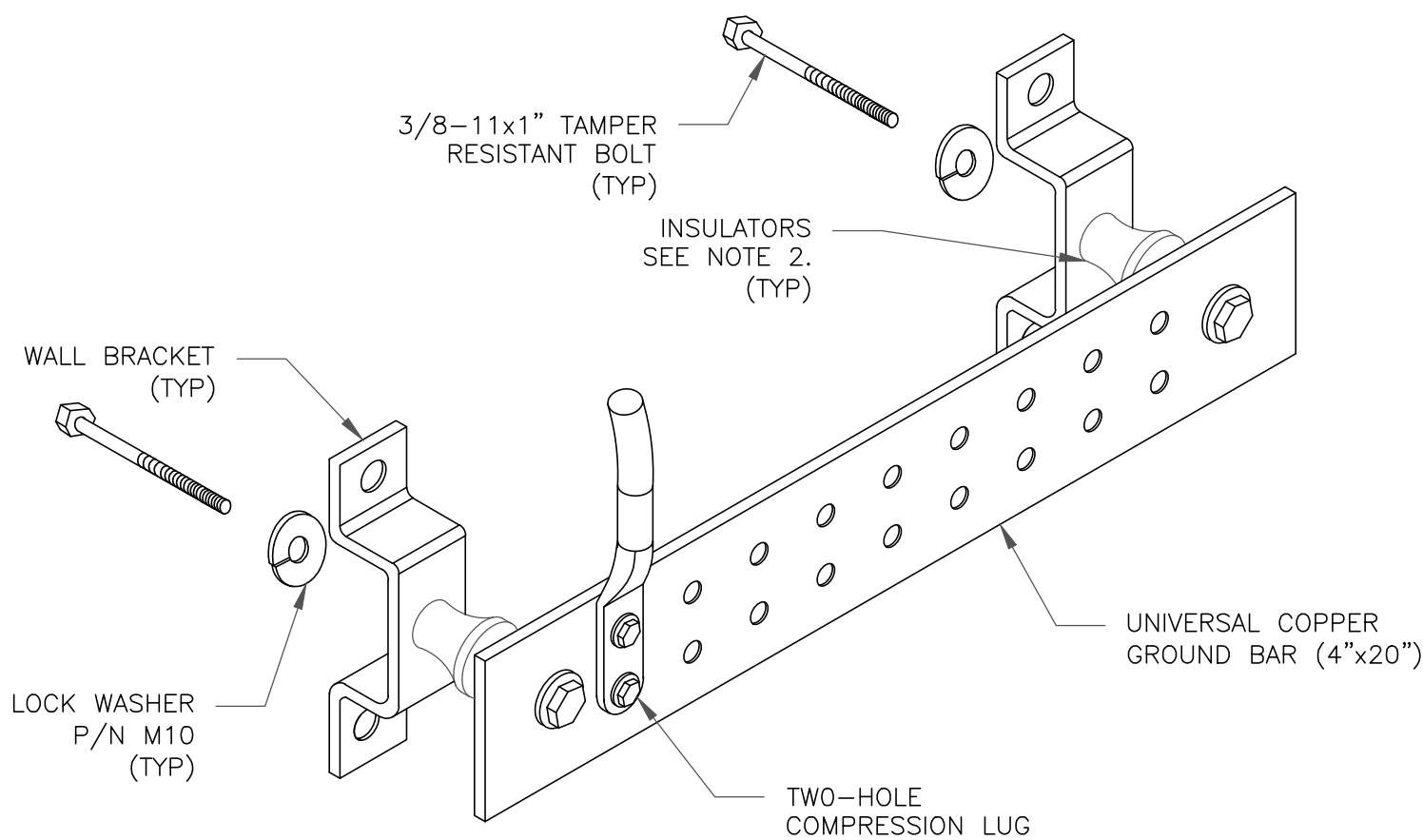
NOTES:

1. 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

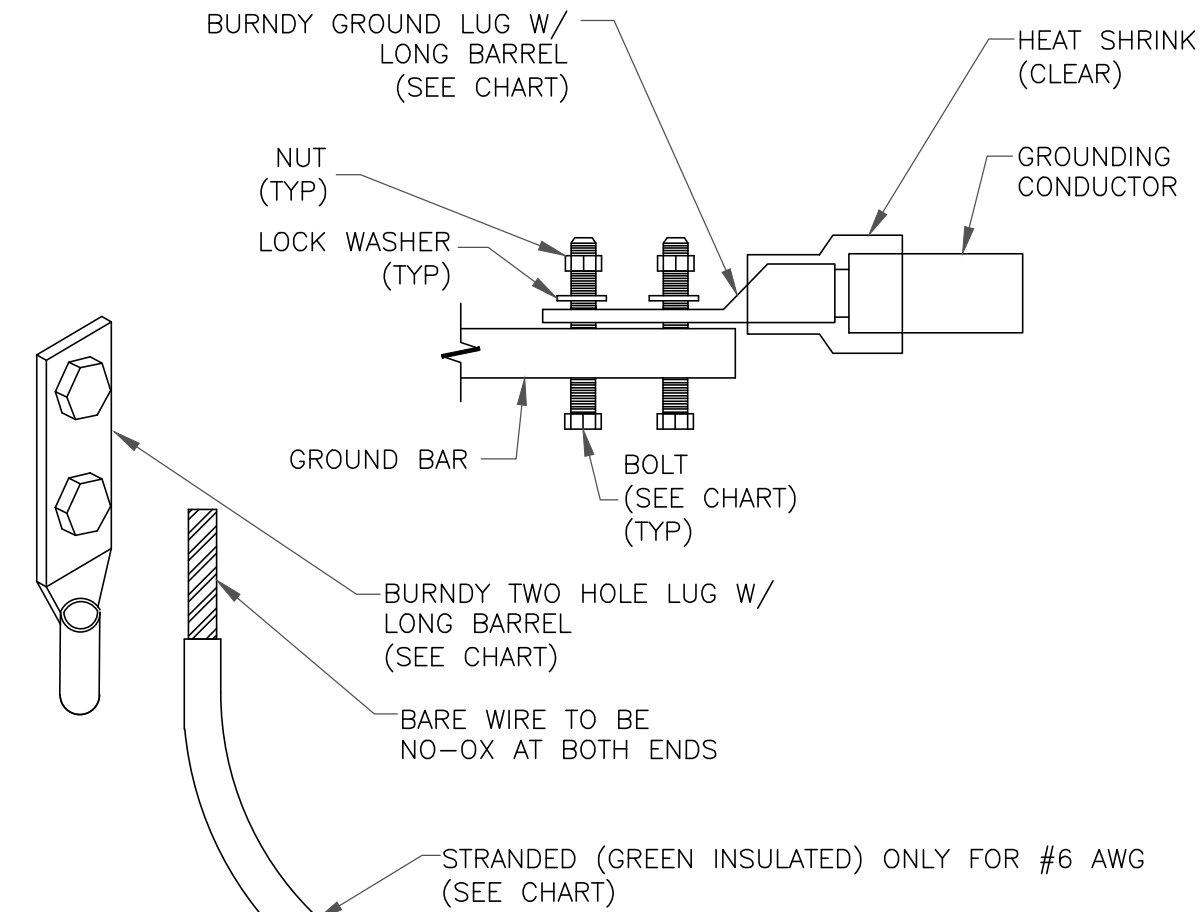


7 LUG DETAIL
SCALE: NOT TO SCALE



6 GROUND BAR DETAIL
SCALE: NOT TO SCALE

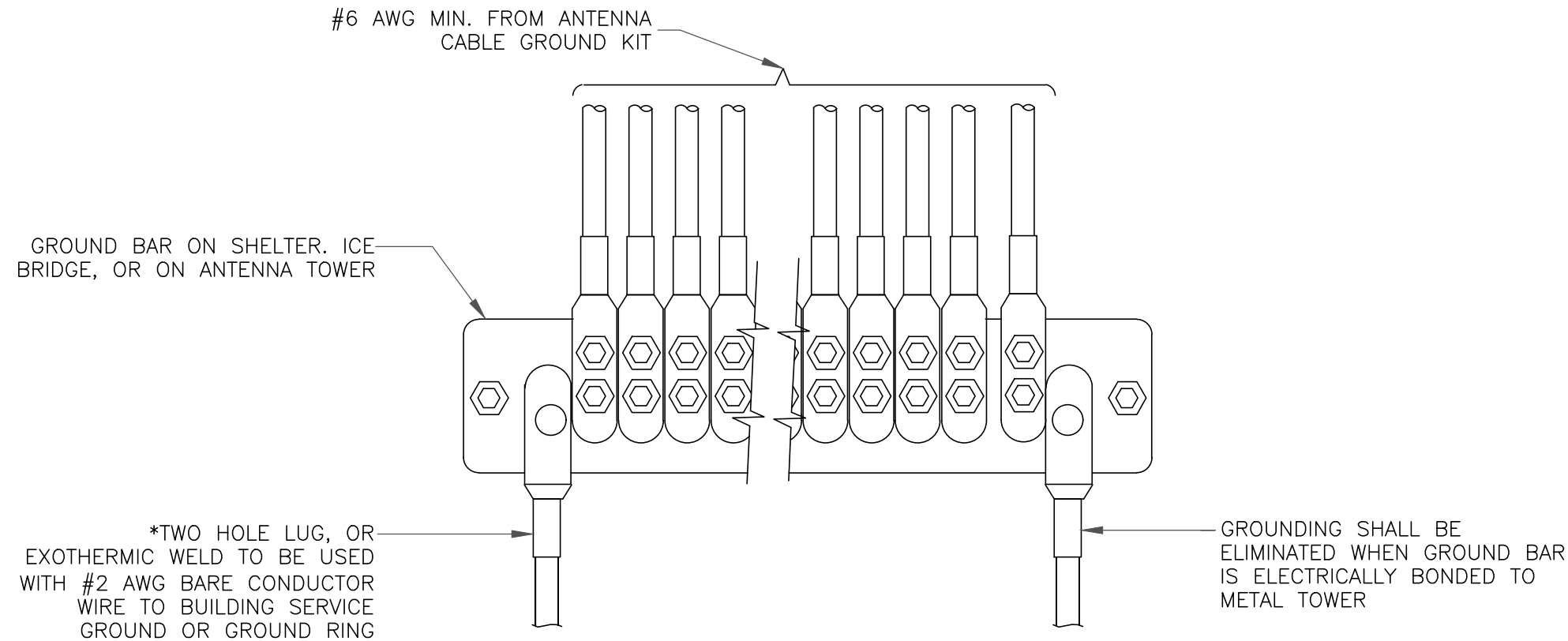
WIRE SIZE	BURNDY LUG	BOLT SIZE
#6 AWG GREEN INSULATED	YA6C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG SOLID TINNED	YA3C-2TC38	3/8" - 16 NC S 2 BOLT
#2 AWG STRANDED	YA2C-2TC38	3/8" - 16 NC S 2 BOLT
#2/0 AWG STRANDED	YA26-2TC38	3/8" - 16 NC S 2 BOLT
#4/0 AWG STRANDED	YA28-2N	1/2" - 16 NC S 2 BOLT



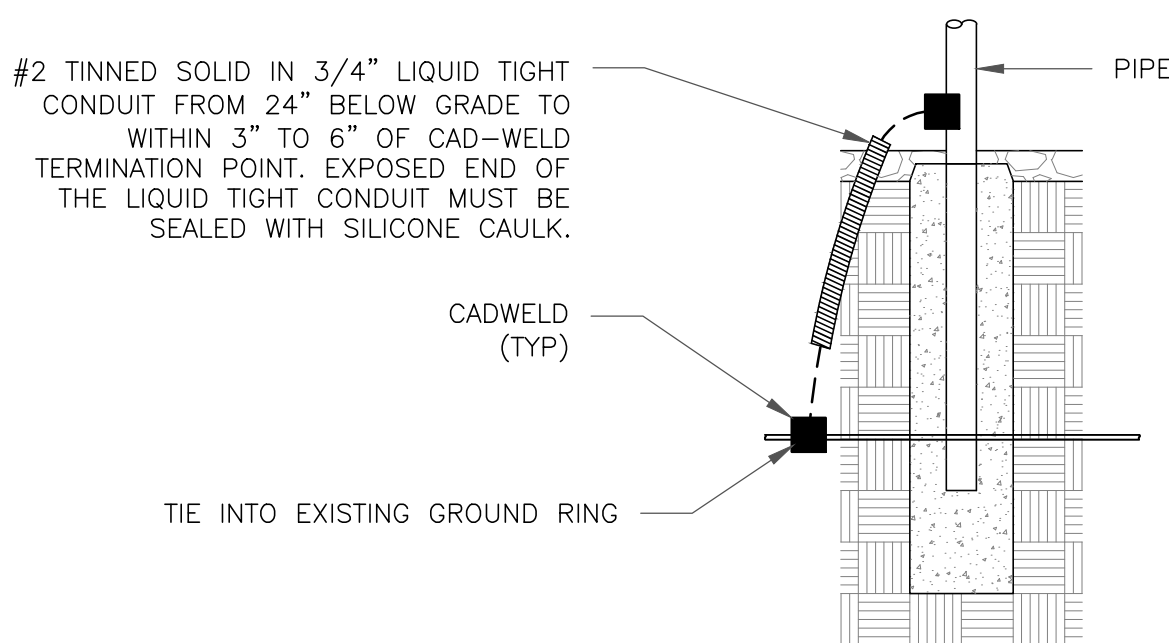
NOTES:

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.

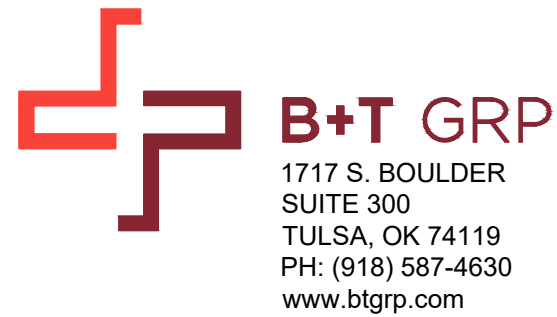
2 MECHANICAL LUG CONNECTION
SCALE: NOT TO SCALE



5 GROUNDWIRE INSTALLATION
SCALE: NOT TO SCALE



8 TRANSITIONING GROUND DETAIL
SCALE: NOT TO SCALE



VERIZON SITE NUMBER:
468546

BU #: 841295
BETHANY

755 AMITY RD
BETHANY, CT 06524

EXISTING 151'-0" MONOPOLE

ISSUED FOR:

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Exhibit D

Structural Analysis Report

Date: **August 14, 2021**



B+T Group
1717 S. Boulder, Suite 300
Tulsa, OK 74119
(918) 587-4630

Subject: **Structural Analysis Report**

Carrier Designation: **Verizon Wireless Co-Locate**
Site Number: 468546
Site Name: BETHANY NORTH CT

Crown Castle Designation: **BU Number:** 841295
Site Name: BETHANY
JDE Job Number: 682499
Work Order Number: 2006812
Order Number: 582523 Rev. 0

Engineering Firm Designation: **B+T Group Project Number:** 93446.007.01

Site Data: **755 Amity Rd, Bethany, New Haven County, CT**
Latitude 41° 26' 33.93", Longitude -72° 59' 32.86"
151 Foot - Monopole Tower

B+T Group 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:

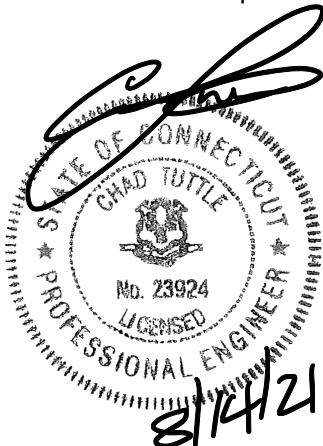
LC7: Proposed Equipment Configuration

Sufficient Capacity - 89.6%

This analysis utilizes an ultimate 3-second gust wind speed of 125 mph as required by the 2018 Connecticut State Building Code. Applicable Standard references and design criteria are listed in Section 2 - Analysis Criteria.

Structural analysis prepared by: Jacob Johnson, E.I.T.

Respectfully submitted by: B+T Engineering, Inc.
COA: PEC.0001564 Expires: 02/10/2022



Chad E. Tuttle, P.E.

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Table 3 - Documents Provided

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3.2) Assumptions

4) ANALYSIS RESULTS

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Table 5 – Tower Component Stresses vs. Capacity

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tnxTower Output

6) APPENDIX B

Base Level Drawing

7) APPENDIX C

Additional Calculations

1) INTRODUCTION

This tower is a 151 ft. Monopole designed by Valmont.

The tower was modified per reinforcement drawings prepared by B+T Group in February 2012. Reinforcement consists of addition of shaft reinforcements from elevation 0' to 120.5', addition of anchor rods and foundation modifications at Base. Modifications prepared by B+T Group in July 2012 are considered for wind area only.

2) ANALYSIS CRITERIA

TIA-222 Revision:	TIA-222-H
Risk Category:	II
Wind Speed:	125 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)
138.0	139.0	6	Commscope	NHH-65C-R2B	13	1-5/8
		3	Decibel	DB854DG65ESX		
		1	Raycap	RVZDC-6627-PF-48		
		3	Samsung Tele.	MT6407-77A		
		3	Samsung Tele.	RFV01U-D1A		
		3	Samsung Tele.	RFV01U-D2A		
	138.0	3	Site Pro1	HSRK-35 Stabilizer Kit		
		1	--	Platform Mount [LP 303-1_HR-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)
148.0	160.0	1	Dbspectra	DS1F03F36D-N	2	7/8
	151.0	3	Ericsson	RRUS 4449 B5/B12	6 4 2 3	1-5/8 7/8 3/4 3/8
		3	Ericsson	RRUS 4478 B14_CCIV2		
		3	Ericsson	RRUS 8843 B2/B66A_CCIV2		
		2	Raycap	DC6-48-60-18-8C-EV		
		1	Raycap	DC6-48-60-18-8F		
	149.0	6	Powerwave Tech	LGP21401		
		3	CCI Antennas	DMP65R-BU6D		
		3	CCI Antennas	OPA65R-BU6D		
		3	Kathrein	800 10121		
	148.0	1	--	Platform Mount [LP 713-1_KCKR]		
132.0	132.0	1	--	Side Arm Mount [SO 104-3]	--	--
	131.0	3	Alcatel Lucent	800 External Notch Filter		
		3	Alcatel Lucent	1900MHZ RRH		
		3	Alcatel Lucent	800MHZ RRH		

Mounting Level (ft)	Center Line Elevation (ft)	Number of Antennas	Antenna Manufacturer	Antenna Model	Number of Feed Lines	Feed Line Size (in)
130.0	133.0	1	Pctel	GPS-TMG-HR-26NCM	3 1 1	1-5/8 1-1/4 1/2
	130.0	3	Alcatel Lucent	TD-RRH8X20-25		
		3	RFS Celwave	APXVSP18-C-A20		
		3	RFS Celwave	APXVTM14-C-120		
		1	--	T-Arm Mount [TA 602-3]		
122.0	123.0	3	Ericsson	ERICSSON AIR 21 B4A B2P	7	1-5/8
	122.0	3	Ericsson	RADIO 4449 B71 B85A_ T-MOBILE		
		3	RFS Celwave	APXVAALL24_43-U-NA20_TMO		
		1	--	T-Arm Mount [TA 702-3]		
103.0	103.0	3	Fujitsu	TA08025-B604	1	1-1/2
		3	Fujitsu	TA08025-B605		
		3	JMA Wireless	MX08FRO665-21		
		1	Raycap	RDIDC-9181-PF-48		
		1	Commscope	MC-PK8-DSH Platform		

3) ANALYSIS PROCEDURE

Table 3 - Documents Provided

Document	Reference	Source
Tower Mapping	6133951	CCI Sites
Tower Modification Drawing	4945157	CCI Sites
Tower Modification Drawing	5135907	CCI Sites
Post Modification Inspection	5135928	CCI Sites
Foundation Mapping	5135917	CCI Sites
Geotech Report	5135898	CCI Sites
Crown CAD Package	Date: 08/02/2021	CCI Sites

3.1) Analysis Method

tnxTower (version 8.1.1.0), 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) The 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. B+T Group should be notified to determine the effect on the structural integrity of the tower.

4) ANALYSIS RESULTS

Table 4 - Section Capacity (Summary)

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L1	151 - 146	Pole	TP18.526x17.59x0.219	1	-4.709	--	8.3	Pass
L2	146 - 141	Pole	TP19.461x18.526x0.219	2	-5.080	--	17.7	Pass
L3	141 - 136	Pole	TP20.397x19.461x0.219	3	-8.816	--	29.1	Pass
L4	136 - 131	Pole	TP21.332x20.397x0.219	4	-10.084	--	41.0	Pass
L5	131 - 126	Pole	TP22.268x21.332x0.219	5	-12.337	--	54.0	Pass
L6	126 - 121	Pole	TP23.203x22.268x0.219	6	-14.969	--	66.6	Pass
L7	121 - 118.5	Pole	TP23.671x23.203x0.219	7	-15.390	--	73.0	Pass
L8	118.5 - 118.25	Pole + Reinf.	TP23.718x23.671x0.494	8	-15.465	--	48.4	Pass
L9	118.25 - 113.25	Pole + Reinf.	TP24.653x23.718x0.481	9	-16.496	--	55.3	Pass
L10	113.25 - 108.25	Pole + Reinf.	TP25.589x24.653x0.469	10	-17.512	--	62.8	Pass
L11	108.25 - 103.25	Pole + Reinf.	TP26.524x25.589x0.463	11	-18.554	--	69.6	Pass
L12	103.25 - 100.95	Pole + Reinf.	TP27.6x26.524x0.456	12	-22.038	--	73.3	Pass
L13	100.95 - 95.95	Pole + Reinf.	TP27.442x26.517x0.55	13	-23.762	--	68.6	Pass
L14	95.95 - 95	Pole + Reinf.	TP27.617x27.442x0.55	14	-24.008	--	69.7	Pass
L15	95 - 94.75	Pole + Reinf.	TP27.663x27.617x0.8	15	-24.097	--	49.5	Pass
L16	94.75 - 92.5	Pole + Reinf.	TP28.079x27.663x0.788	16	-24.807	--	51.4	Pass
L17	92.5 - 92.25	Pole + Reinf.	TP28.126x28.079x0.55	17	-24.877	--	72.8	Pass
L18	92.25 - 87.75	Pole + Reinf.	TP28.958x28.126x0.538	18	-26.023	--	77.6	Pass
L19	87.75 - 87.5	Pole + Reinf.	TP29.004x28.958x0.863	19	-26.124	--	50.1	Pass
L20	87.5 - 84	Pole + Reinf.	TP29.651x29.004x0.85	20	-27.344	--	52.6	Pass
L21	84 - 83.75	Pole + Reinf.	TP29.697x29.651x0.613	21	-27.424	--	70.2	Pass
L22	83.75 - 78.75	Pole + Reinf.	TP30.622x29.697x0.6	22	-28.873	--	74.4	Pass
L23	78.75 - 73.75	Pole + Reinf.	TP31.546x30.622x0.588	23	-30.360	--	78.3	Pass
L24	73.75 - 68.75	Pole + Reinf.	TP32.471x31.546x0.588	24	-31.873	--	81.9	Pass
L25	68.75 - 64.75	Pole + Reinf.	TP33.21x32.471x0.575	25	-33.104	--	84.6	Pass
L26	64.75 - 64.5	Pole + Reinf.	TP33.257x33.21x0.85	26	-33.216	--	58.7	Pass
L27	64.5 - 63.25	Pole + Reinf.	TP33.488x33.257x0.85	27	-33.708	--	59.4	Pass
L28	63.25 - 63	Pole + Reinf.	TP33.534x33.488x0.575	28	-33.795	--	85.7	Pass
L29	63 - 58	Pole + Reinf.	TP34.459x33.534x0.563	29	-35.354	--	88.8	Pass
L30	58 - 56.75	Pole + Reinf.	TP34.69x34.459x0.563	30	-35.748	--	89.6	Pass
L31	56.75 - 56.5	Pole + Reinf.	TP34.736x34.69x0.913	31	-35.874	--	57.2	Pass
L32	56.5 - 55.25	Pole + Reinf.	TP34.967x34.736x0.913	32	-36.412	--	57.7	Pass
L33	55.25 - 55	Pole + Reinf.	TP35.013x34.967x0.638	33	-36.507	--	75.9	Pass
L34	55 - 52.05	Pole + Reinf.	TP36.4x35.013x0.638	34	-37.519	--	77.4	Pass
L35	52.05 - 47.05	Pole + Reinf.	TP35.88x34.934x0.7	35	-40.624	--	74.5	Pass
L36	47.05 - 42.05	Pole + Reinf.	TP36.825x35.88x0.688	36	-42.528	--	76.4	Pass
L37	42.05 - 37.05	Pole + Reinf.	TP37.771x36.825x0.675	37	-44.467	--	78.2	Pass
L38	37.05 - 34.95	Pole + Reinf.	TP38.169x37.771x0.675	38	-45.291	--	78.8	Pass
L39	34.95 - 34.7	Pole + Reinf.	TP38.216x38.169x0.988	39	-45.431	--	57.2	Pass
L40	34.7 - 34.25	Pole + Reinf.	TP38.301x38.216x0.975	40	-45.662	--	57.3	Pass
L41	34.25 - 34	Pole + Reinf.	TP38.348x38.301x0.675	41	-45.762	--	79.2	Pass

Section No.	Elevation (ft)	Component Type	Size	Critical Element	P (K)	SF*P_allow (K)	% Capacity	Pass / Fail
L42	34 - 29	Pole + Reinf.	TP39.294x38.348x0.663	42	-47.734	--	80.7	Pass
L43	29 - 26.75	Pole + Reinf.	TP39.72x39.294x0.663	43	-48.636	--	81.4	Pass
L44	26.75 - 26.5	Pole + Reinf.	TP39.767x39.72x0.95	44	-48.780	--	59.5	Pass
L45	26.5 - 25.25	Pole + Reinf.	TP40.003x39.767x0.95	45	-49.427	--	59.8	Pass
L46	25.25 - 25	Pole + Reinf.	TP40.051x40.003x0.663	46	-49.537	--	81.9	Pass
L47	25 - 20	Pole + Reinf.	TP40.997x40.051x0.65	47	-51.557	--	83.2	Pass
L48	20 - 16.75	Pole + Reinf.	TP41.611x40.997x0.65	48	-52.891	--	84.0	Pass
L49	16.75 - 16.5	Pole + Reinf.	TP41.659x41.611x0.763	49	-53.027	--	77.2	Pass
L50	16.5 - 14.25	Pole + Reinf.	TP42.084x41.659x0.763	50	-54.135	--	77.8	Pass
L51	14.25 - 14	Pole + Reinf.	TP42.132x42.084x0.725	51	-54.259	--	78.3	Pass
L52	14 - 9	Pole + Reinf.	TP43.077x42.132x0.713	52	-56.538	--	79.4	Pass
L53	9 - 4	Pole + Reinf.	TP44.023x43.077x0.713	53	-58.851	--	80.5	Pass
L54	4 - 0	Pole + Reinf.	TP44.78x44.023x0.7	54	-60.721	--	84.1	Pass
							Summary	
						Pole (L7)	73.0	Pass
						Reinforcement	89.6	Pass
						Rating =	89.6	Pass

Table 5 - Tower Component Stresses vs. Capacity – LC7

Notes	Component	Elevation (ft)	% Capacity	Pass / Fail
1,2	Anchor Rods	Base	65.1	Pass
1,2	Base Plate	Base	53.8	Pass
1,2	Base Foundation (Structural)	Base	47.3	Pass
1,2	Base Foundation (Soil Interaction)	Base	65.1	Pass

Structure Rating (max from all components) =	89.6%
---	--------------

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

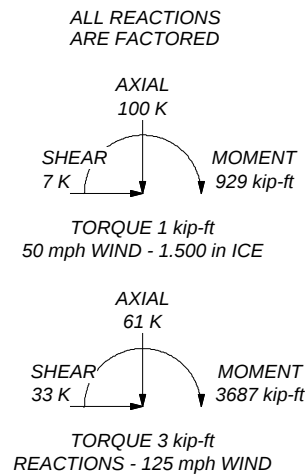
The tower and its foundation have sufficient capacity to carry the proposed load configuration. No modifications are required at this time.

APPENDIX A

TNXTOWER OUTPUT

MATERIAL STRENGTH

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 125 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 0.000 ft
8. TIA-222-H Annex S
9. TOWER RATING: 89.6%



 B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job: 93446.007.01 - BETHANY, CT (BU# 841295)		
	Project:		
	Client: Crown Castle	Drawn by: Damodar	App'd:
	Code: TIA-222-H	Date: 08/06/21	Scale: NTS
	Path:		Dwg No. E-1

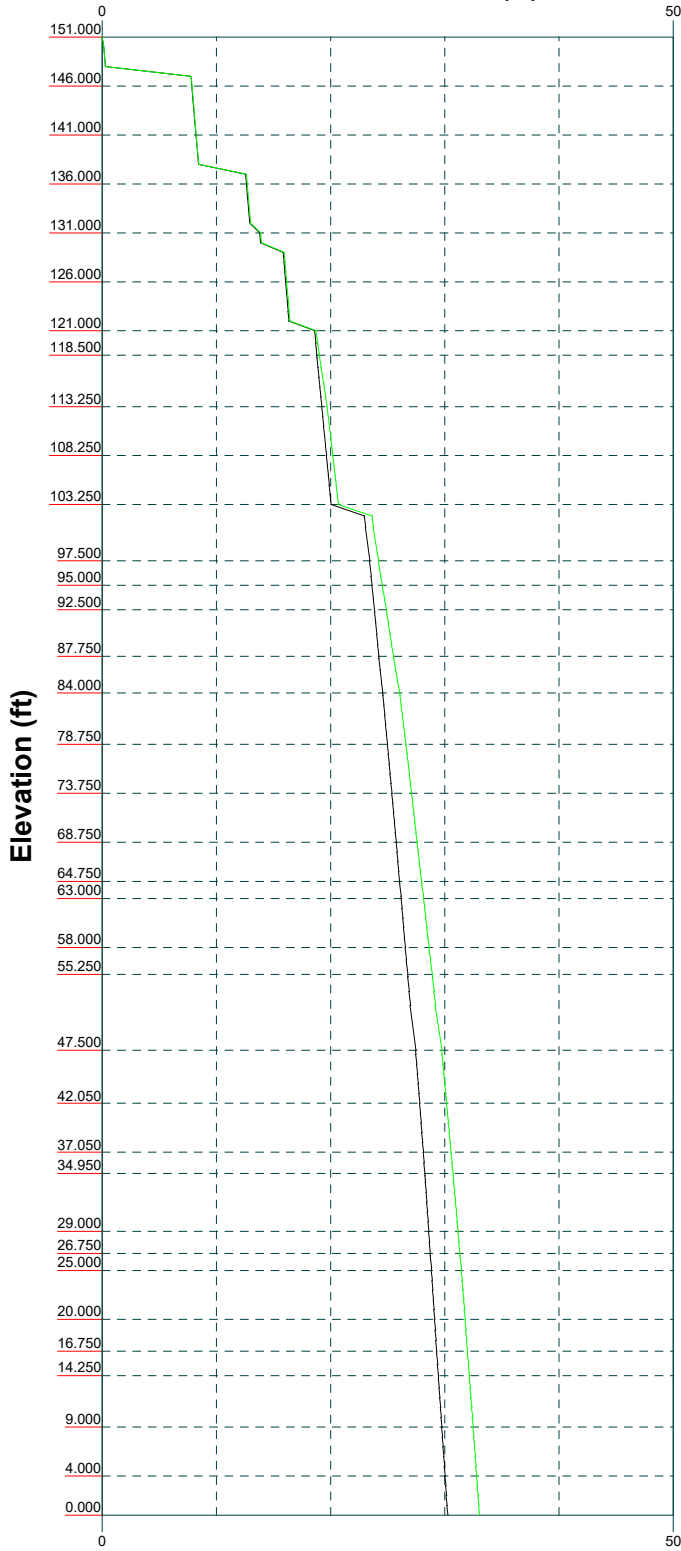
Vx

Vz

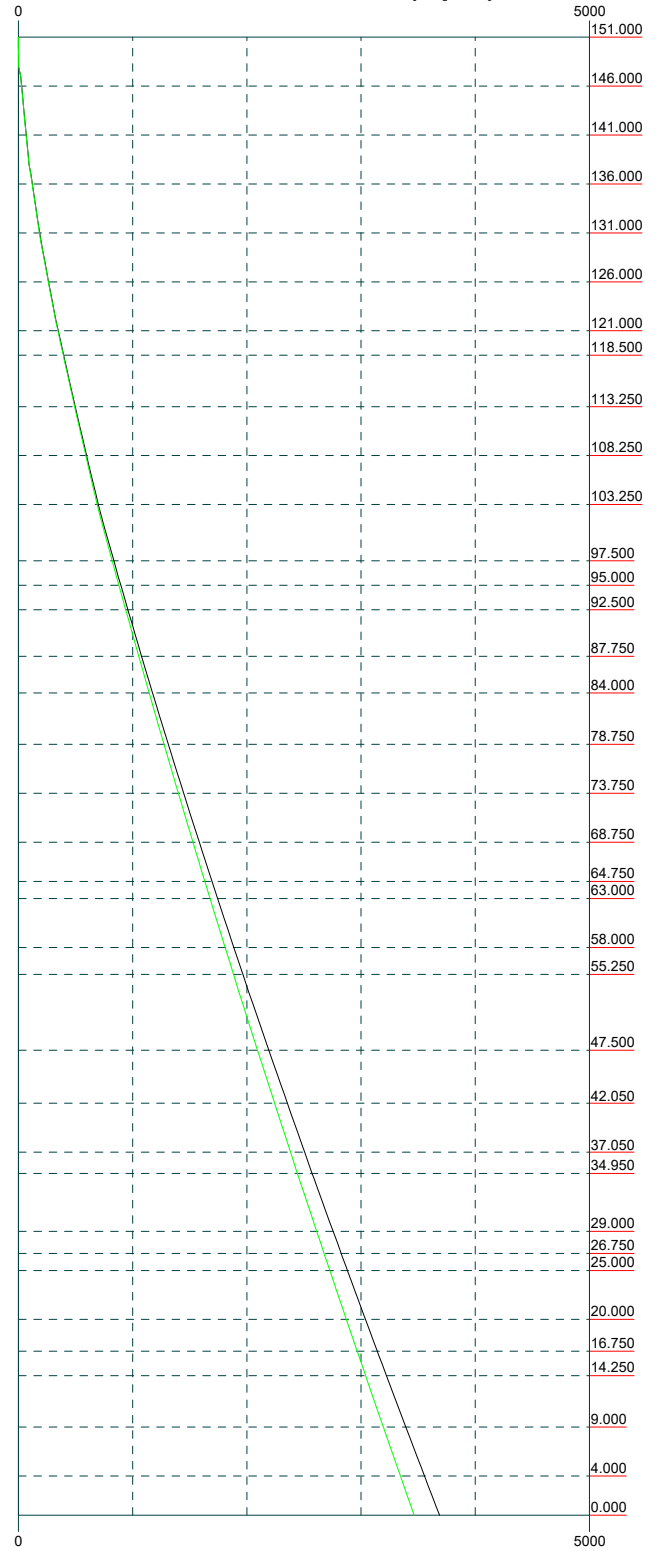
Mx

Mz

Global Mast Shear (K)

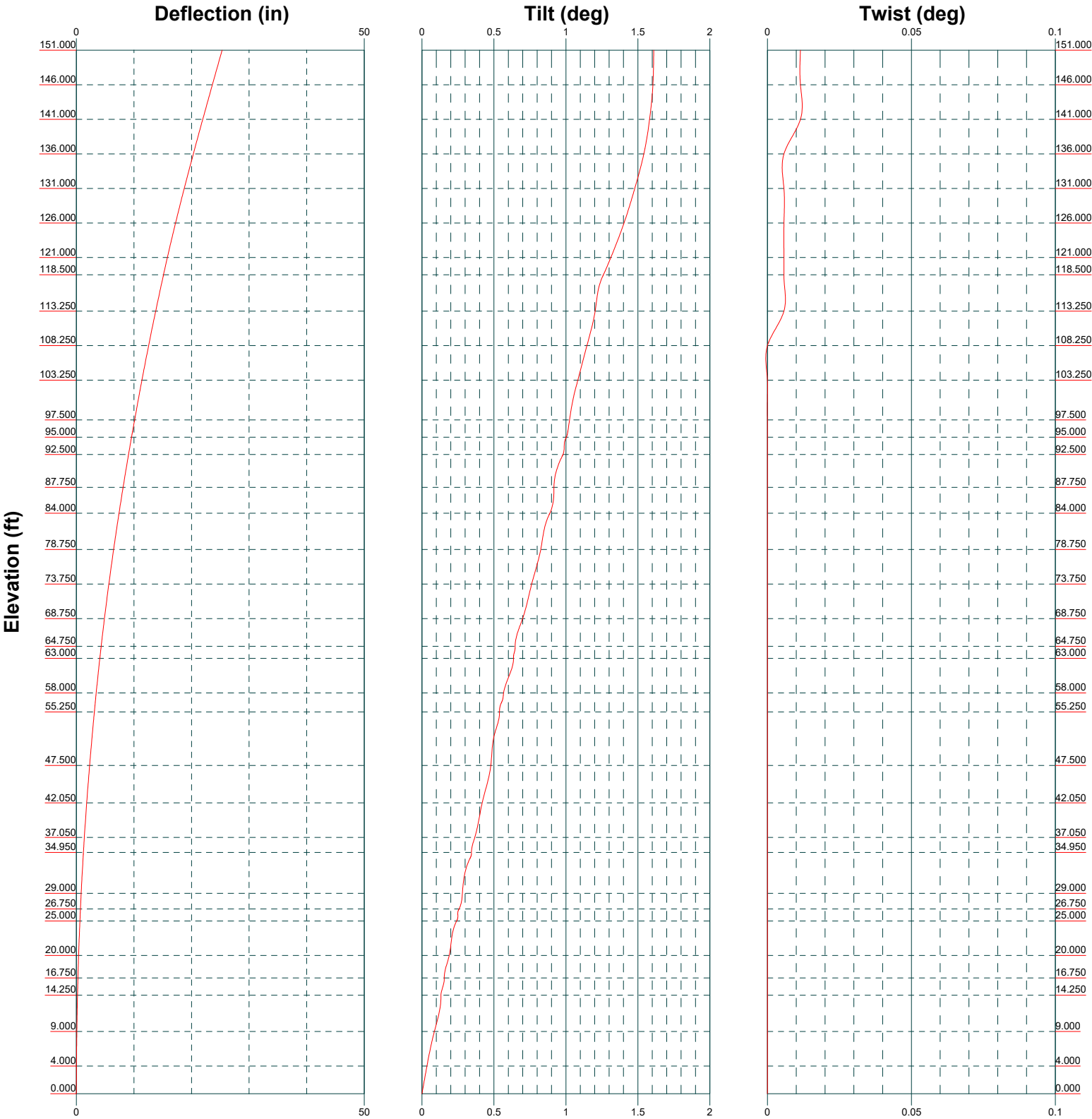


Global Mast Moment (kip-ft)



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Project:		
Client: Crown Castle	Drawn by: Damodar	App'd:
Code: TIA-222-H	Date: 08/06/21	Scale: NTS
Path:	Dwg No. E-4	

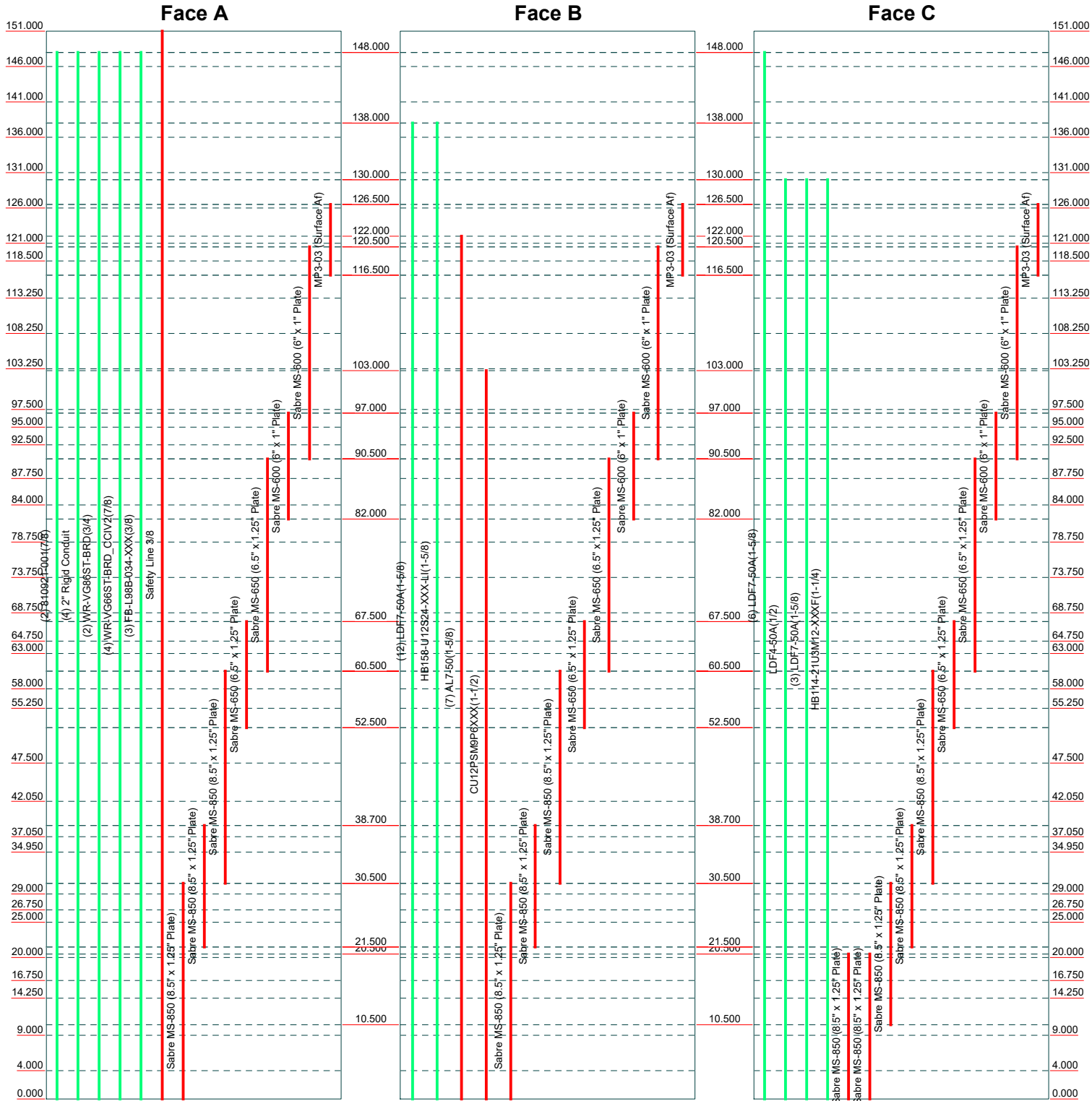


Feed Line Distribution Chart

0' - 151'

Round Flat App In Face App Out Face Truss Leg

Elevation (ft)





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FAX: (918) 295-0265

Job: **93446.007.01 - BETHANY, CT (BU# 841295)**

Project:	Client: Crown Castle	Drawn by: Damodar	App'd:
Code: TIA-222-H	Date: 08/06/21	Scale: NTS	
Path:		Dwg No: E-7	

tnxTower B+T Group 1717 S. Boulder, Suite 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job 93446.007.01 - BETHANY, CT (BU# 841295)	Page 1 of 67
	Project	Date 16:43:49 08/06/21
	Client Crown Castle	Designed by Damodar

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: 742.000 ft.

Basic wind speed of 125 mph.

Risk Category II.

Exposure Category B.

Simplified Topographic Factor Procedure for wind speed-up calculations is used.

Topographic Category: 1.

Crest Height: 0.000 ft.

Nominal ice thickness of 1.500 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

A wind speed of 50 mph is used in combination with ice.

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

TIA-222-H Annex S.

TOWER RATING: 89.6%.

A non-linear (P-delta) analysis was used.

Pressures are calculated at each section.

Stress ratio used in pole design is 1.

Tower analysis based on target reliabilities in accordance with Annex S.

Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.

Maximum demand-capacity ratio is: 1.05.

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

Options

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

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	Project	Date
	Client	Designed by
	Crown Castle	Damodar

Tapered Pole Section Geometry

Section	Elevation	Section Length	Splice Length	Number of Sides	Top Diameter	Bottom Diameter	Wall Thickness	Bend Radius	Pole Grade
	ft	ft	ft		in	in	in	in	
L1	151.000-146.000	5.000	0.000	12	17.590	18.526	0.219	0.875	A572-65 (65 ksi)
L2	146.000-141.000	5.000	0.000	12	18.526	19.461	0.219	0.875	A572-65 (65 ksi)
L3	141.000-136.000	5.000	0.000	12	19.461	20.397	0.219	0.875	A572-65 (65 ksi)
L4	136.000-131.000	5.000	0.000	12	20.397	21.332	0.219	0.875	A572-65 (65 ksi)
L5	131.000-126.000	5.000	0.000	12	21.332	22.268	0.219	0.875	A572-65 (65 ksi)
L6	126.000-121.000	5.000	0.000	12	22.268	23.203	0.219	0.875	A572-65 (65 ksi)
L7	121.000-118.500	2.500	0.000	12	23.203	23.671	0.219	0.875	A572-65 (65 ksi)
L8	118.500-118.250	0.250	0.000	12	23.671	23.718	0.494	1.975	A572-65 (65 ksi)
L9	118.250-113.250	5.000	0.000	12	23.718	24.653	0.481	1.925	A572-65 (65 ksi)
L10	113.250-108.250	5.000	0.000	12	24.653	25.589	0.469	1.875	A572-65 (65 ksi)
L11	108.250-103.250	5.000	0.000	12	25.589	26.524	0.463	1.850	A572-65 (65 ksi)
L12	103.250-97.500	5.750	3.450	12	26.524	27.600	0.456	1.825	A572-65 (65 ksi)
L13	97.500-95.950	5.000	0.000	12	26.517	27.442	0.550	2.200	A572-65 (65 ksi)
L14	95.950-95.000	0.950	0.000	12	27.442	27.617	0.550	2.200	A572-65 (65 ksi)
L15	95.000-94.750	0.250	0.000	12	27.617	27.663	0.800	3.200	A572-65 (65 ksi)
L16	94.750-92.500	2.250	0.000	12	27.663	28.079	0.787	3.150	A572-65 (65 ksi)
L17	92.500-92.250	0.250	0.000	12	28.079	28.126	0.550	2.200	A572-65 (65 ksi)
L18	92.250-87.750	4.500	0.000	12	28.126	28.958	0.537	2.150	A572-65 (65 ksi)
L19	87.750-87.500	0.250	0.000	12	28.958	29.004	0.863	3.450	A572-65 (65 ksi)
L20	87.500-84.000	3.500	0.000	12	29.004	29.651	0.850	3.400	A572-65 (65 ksi)
L21	84.000-83.750	0.250	0.000	12	29.651	29.697	0.613	2.450	A572-65 (65 ksi)
L22	83.750-78.750	5.000	0.000	12	29.697	30.622	0.600	2.400	A572-65 (65 ksi)
L23	78.750-73.750	5.000	0.000	12	30.622	31.546	0.588	2.350	A572-65 (65 ksi)
L24	73.750-68.750	5.000	0.000	12	31.546	32.471	0.588	2.350	A572-65 (65 ksi)
L25	68.750-64.750	4.000	0.000	12	32.471	33.210	0.575	2.300	A572-65 (65 ksi)
L26	64.750-64.500	0.250	0.000	12	33.210	33.257	0.850	3.400	A572-65 (65 ksi)
L27	64.500-63.250	1.250	0.000	12	33.257	33.488	0.850	3.400	A572-65 (65 ksi)
L28	63.250-63.000	0.250	0.000	12	33.488	33.534	0.575	2.300	A572-65 (65 ksi)

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	93446.007.01 - BETHANY, CT (BU# 841295)	3 of 67
	Project	Date
	Client	Designed by
	Crown Castle	Damodar

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
L29	63.000-58.000	5.000	0.000	12	33.534	34.459	0.563	2.250	A572-65 (65 ksi)
L30	58.000-56.750	1.250	0.000	12	34.459	34.690	0.563	2.250	A572-65 (65 ksi)
L31	56.750-56.500	0.250	0.000	12	34.690	34.736	0.912	3.650	A572-65 (65 ksi)
L32	56.500-55.250	1.250	0.000	12	34.736	34.967	0.912	3.650	A572-65 (65 ksi)
L33	55.250-55.000	0.250	0.000	12	34.967	35.013	0.637	2.550	A572-65 (65 ksi)
L34	55.000-47.500	7.500	4.550	12	35.013	36.400	0.637	2.550	A572-65 (65 ksi)
L35	47.500-47.050	5.000	0.000	12	34.934	35.880	0.700	2.800	A572-65 (65 ksi)
L36	47.050-42.050	5.000	0.000	12	35.880	36.825	0.688	2.750	A572-65 (65 ksi)
L37	42.050-37.050	5.000	0.000	12	36.825	37.771	0.675	2.700	A572-65 (65 ksi)
L38	37.050-34.950	2.100	0.000	12	37.771	38.169	0.675	2.700	A572-65 (65 ksi)
L39	34.950-34.700	0.250	0.000	12	38.169	38.216	0.988	3.950	A572-65 (65 ksi)
L40	34.700-34.250	0.450	0.000	12	38.216	38.301	0.975	3.900	A572-65 (65 ksi)
L41	34.250-34.000	0.250	0.000	12	38.301	38.348	0.675	2.700	A572-65 (65 ksi)
L42	34.000-29.000	5.000	0.000	12	38.348	39.294	0.662	2.650	A572-65 (65 ksi)
L43	29.000-26.750	2.250	0.000	12	39.294	39.720	0.662	2.650	A572-65 (65 ksi)
L44	26.750-26.500	0.250	0.000	12	39.720	39.767	0.950	3.800	A572-65 (65 ksi)
L45	26.500-25.250	1.250	0.000	12	39.767	40.003	0.950	3.800	A572-65 (65 ksi)
L46	25.250-25.000	0.250	0.000	12	40.003	40.051	0.662	2.650	A572-65 (65 ksi)
L47	25.000-20.000	5.000	0.000	12	40.051	40.997	0.650	2.600	A572-65 (65 ksi)
L48	20.000-16.750	3.250	0.000	12	40.997	41.611	0.650	2.600	A572-65 (65 ksi)
L49	16.750-16.500	0.250	0.000	12	41.611	41.659	0.762	3.050	A572-65 (65 ksi)
L50	16.500-14.250	2.250	0.000	12	41.659	42.084	0.762	3.050	A572-65 (65 ksi)
L51	14.250-14.000	0.250	0.000	12	42.084	42.132	0.725	2.900	A572-65 (65 ksi)
L52	14.000-9.000	5.000	0.000	12	42.132	43.077	0.713	2.850	A572-65 (65 ksi)
L53	9.000-4.000	5.000	0.000	12	43.077	44.023	0.713	2.850	A572-65 (65 ksi)
L54	4.000-0.000	4.000		12	44.023	44.780	0.700	2.800	A572-65 (65 ksi)

Tapered Pole Properties

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L1	18.133	12.236	471.284	6.219	9.112	51.723	954.950	6.022	4.128	18.87
	19.102	12.895	551.600	6.554	9.596	57.481	1117.692	6.346	4.379	20.016
L2	19.102	12.895	551.600	6.554	9.596	57.481	1117.692	6.346	4.379	20.016
	20.070	13.554	640.559	6.889	10.081	63.542	1297.947	6.671	4.629	21.163
L3	20.070	13.554	640.559	6.889	10.081	63.542	1297.947	6.671	4.629	21.163
	21.039	14.213	738.603	7.224	10.565	69.908	1496.609	6.995	4.880	22.309
L4	21.039	14.213	738.603	7.224	10.565	69.908	1496.609	6.995	4.880	22.309
	22.007	14.872	846.172	7.559	11.050	76.577	1714.574	7.319	5.131	23.455
L5	22.007	14.872	846.172	7.559	11.050	76.577	1714.574	7.319	5.131	23.455
	22.976	15.531	963.709	7.893	11.535	83.549	1952.736	7.644	5.381	24.601
L6	22.976	15.531	963.709	7.893	11.535	83.549	1952.736	7.644	5.381	24.601
	23.944	16.190	1091.656	8.228	12.019	90.826	2211.990	7.968	5.632	25.747
L7	23.944	16.190	1091.656	8.228	12.019	90.826	2211.990	7.968	5.632	25.747
	24.429	16.519	1159.670	8.396	12.261	94.578	2349.807	8.130	5.758	26.32
L8	24.332	36.849	2526.537	8.297	12.261	206.055	5119.450	18.136	5.021	10.168
	24.380	36.923	2541.865	8.314	12.286	206.896	5150.508	18.172	5.033	10.194
L9	24.385	36.008	2481.517	8.319	12.286	201.984	5028.226	17.722	5.067	10.528
	25.353	37.457	2793.469	8.654	12.770	218.747	5660.326	18.435	5.317	11.049
L10	25.357	36.503	2725.135	8.658	12.770	213.396	5521.862	17.966	5.351	11.415
	26.326	37.915	3053.772	8.993	13.255	230.388	6187.769	18.661	5.602	11.95
L11	26.328	37.419	3015.304	8.995	13.255	227.486	6109.824	18.417	5.618	12.148
	27.297	38.812	3364.804	9.330	13.740	244.900	6818.004	19.102	5.869	12.69
L12	27.299	38.297	3321.722	9.332	13.740	241.764	6730.709	18.849	5.886	12.9
	28.413	39.878	3750.198	9.717	14.297	262.310	7598.919	19.627	6.174	13.532
L13	27.919	45.988	3957.944	9.296	13.736	288.148	8019.867	22.634	5.633	10.241
	28.216	47.625	4395.920	9.627	14.215	309.252	8907.327	23.440	5.880	10.691
L14	28.216	47.625	4395.920	9.627	14.215	309.252	8907.327	23.440	5.880	10.691
	28.397	47.936	4482.627	9.690	14.306	313.346	9083.019	23.593	5.927	10.777
L15	28.309	69.081	6341.182	9.601	14.306	443.263	12848.954	34.000	5.257	6.572
	28.357	69.200	6374.030	9.617	14.330	444.815	12915.513	34.058	5.270	6.587
L16	28.361	68.151	6283.199	9.622	14.330	438.476	12731.464	33.542	5.303	6.734
	28.792	69.205	6579.524	9.771	14.545	452.352	13331.899	34.061	5.415	6.876
L17	28.876	48.755	4716.236	9.856	14.545	324.248	9556.372	23.996	6.051	11.002
	28.924	48.836	4740.033	9.872	14.569	325.349	9604.592	24.036	6.064	11.025
L18	28.928	47.748	4638.608	9.877	14.569	318.387	9399.076	23.500	6.097	11.344
	29.790	49.188	5071.094	10.174	15.000	338.071	10275.412	24.209	6.320	11.758
L19	29.675	78.027	7861.353	10.058	15.000	524.087	15929.233	38.403	5.449	6.318
	29.723	78.156	7900.220	10.075	15.024	525.839	16007.988	38.466	5.462	6.332
L20	29.727	77.057	7796.104	10.079	15.024	518.909	15797.020	37.925	5.495	6.465
	30.397	78.829	8346.169	10.311	15.359	543.397	16911.600	38.797	5.668	6.669
L21	30.481	57.271	6164.163	10.396	15.359	401.332	12490.266	28.187	6.305	10.294
	30.529	57.363	6193.648	10.412	15.383	402.624	12550.009	28.232	6.317	10.314
L22	30.533	56.216	6075.073	10.417	15.383	394.916	12309.744	27.668	6.351	10.585
	31.490	58.002	6672.737	10.748	15.862	420.672	13520.773	28.547	6.599	10.998
L23	31.495	56.817	6541.886	10.752	15.862	412.422	13255.634	27.964	6.632	11.289
	32.452	58.566	7164.785	11.083	16.341	438.455	14517.796	28.825	6.880	11.71
L24	32.452	58.566	7164.785	11.083	16.341	438.455	14517.796	28.825	6.880	11.71
	33.409	60.315	7826.020	11.414	16.820	465.284	15857.638	29.685	7.128	12.132
L25	33.413	59.055	7668.521	11.419	16.820	455.920	15538.503	29.065	7.161	12.454
	34.179	60.425	8214.444	11.683	17.203	477.500	16644.691	29.739	7.359	12.799
L26	34.082	88.571	11838.703	11.585	17.203	688.176	23988.421	43.592	6.622	7.791
	34.130	88.697	11889.508	11.602	17.227	690.169	24091.367	43.654	6.635	7.806
L27	34.130	88.697	11889.508	11.602	17.227	690.169	24091.367	43.654	6.635	7.806
	34.369	89.330	12145.718	11.684	17.347	700.175	24610.518	43.965	6.697	7.879
L28	34.466	60.938	8425.661	11.783	17.347	485.722	17072.674	29.992	7.434	12.928
	34.514	61.024	8461.212	11.799	17.371	487.099	17144.710	30.034	7.446	12.95
L29	34.519	59.720	8286.694	11.804	17.371	477.052	16791.089	29.392	7.480	13.297
	35.476	61.394	9003.490	12.135	17.850	504.411	18243.511	30.216	7.727	13.738
L30	35.476	61.394	9003.490	12.135	17.850	504.411	18243.511	30.216	7.727	13.738
	35.715	61.813	9188.925	12.218	17.969	511.370	18619.253	30.422	7.789	13.848
L31	35.591	99.246	14452.534	12.092	17.969	804.293	29284.752	48.846	6.851	7.508
	35.639	99.382	14511.952	12.109	17.993	806.525	29405.149	48.913	6.864	7.522

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L32	35.639	99.382	14511.952	12.109	17.993	806.525	29405.149	48.913	6.864	7.522
	35.879	100.061	14811.486	12.192	18.113	817.731	30012.086	49.247	6.926	7.59
L33	35.976	70.470	10600.463	12.290	18.113	585.243	21479.413	34.683	7.663	12.02
	36.023	70.565	10643.342	12.307	18.137	586.835	21566.297	34.730	7.675	12.039
L34	36.023	70.565	10643.342	12.307	18.137	586.835	21566.297	34.730	7.675	12.039
	37.459	73.411	11984.105	12.803	18.855	635.586	24283.047	36.131	8.047	12.622
L35	36.810	77.163	11542.536	12.256	18.096	637.862	23388.308	37.977	7.486	10.695
	36.898	79.295	12525.948	12.594	18.586	673.960	25380.966	39.026	7.740	11.057
L36	36.903	77.906	12315.388	12.599	18.586	662.630	24954.316	38.343	7.773	11.306
	37.882	80.000	13335.312	12.937	19.076	699.079	27020.957	39.374	8.027	11.675
L37	37.886	78.573	13106.442	12.942	19.076	687.080	26557.206	38.671	8.060	11.941
	38.866	80.629	14162.357	13.280	19.566	723.843	28696.776	39.683	8.314	12.317
L38	38.866	80.629	14162.357	13.280	19.566	723.843	28696.776	39.683	8.314	12.317
	39.277	81.492	14622.234	13.423	19.771	739.569	29628.610	40.108	8.420	12.474
L39	39.167	118.226	20861.345	13.311	19.771	1055.133	42270.741	58.187	7.583	7.679
	39.216	118.377	20941.050	13.328	19.796	1057.854	42432.245	58.261	7.595	7.691
L40	39.220	116.917	20696.808	13.332	19.796	1045.516	41937.343	57.543	7.629	7.824
	39.308	117.185	20839.061	13.363	19.840	1050.362	42225.588	57.675	7.652	7.848
L41	39.414	81.780	14777.709	13.470	19.840	744.849	29943.646	40.250	8.456	12.527
	39.463	81.883	14833.502	13.487	19.864	746.739	30056.698	40.300	8.468	12.546
L42	39.467	80.393	14573.305	13.491	19.864	733.640	29529.466	39.567	8.502	12.833
	40.447	82.411	15698.375	13.830	20.354	771.255	31809.163	40.560	8.755	13.216
L43	40.447	82.411	15698.375	13.830	20.354	771.255	31809.163	40.560	8.755	13.216
	40.887	83.319	16222.994	13.982	20.575	788.488	32872.185	41.007	8.869	13.388
L44	40.786	118.597	22753.214	13.880	20.575	1105.878	46104.180	58.370	8.099	8.525
	40.835	118.741	22836.581	13.896	20.599	1108.609	46273.104	58.441	8.112	8.538
L45	40.835	118.741	22836.581	13.896	20.599	1108.609	46273.104	58.441	8.112	8.538
	41.080	119.465	23256.471	13.981	20.722	1122.320	47123.915	58.797	8.175	8.605
L46	41.181	83.924	16579.155	14.084	20.722	800.083	33593.864	41.305	8.945	13.503
	41.230	84.025	16639.018	14.101	20.746	802.024	33715.161	41.355	8.958	13.522
L47	41.234	82.466	16340.621	14.105	20.746	787.641	33110.529	40.587	8.992	13.833
	42.214	84.445	17545.912	14.444	21.236	826.225	35552.774	41.561	9.245	14.223
L48	42.214	84.445	17545.912	14.444	21.236	826.225	35552.774	41.561	9.245	14.223
	42.850	85.732	18360.292	14.664	21.555	851.800	37202.929	42.195	9.410	14.477
L49	42.810	100.294	21361.060	14.624	21.555	991.016	43283.299	49.362	9.108	11.945
	42.859	100.410	21435.338	14.641	21.579	993.333	43433.805	49.419	9.121	11.962
L50	42.859	100.410	21435.338	14.641	21.579	993.333	43433.805	49.419	9.121	11.962
	43.300	101.455	22111.601	14.793	21.800	1014.308	44804.098	49.933	9.235	12.112
L51	43.313	96.553	21081.436	14.807	21.800	967.053	42716.705	47.521	9.336	12.877
	43.362	96.664	21153.836	14.824	21.824	969.284	42863.406	47.575	9.348	12.894
L52	43.367	95.026	20807.948	14.828	21.824	953.436	42162.544	46.769	9.382	13.167
	44.346	97.196	22266.265	15.167	22.314	997.855	45117.490	47.837	9.635	13.523
L53	44.346	97.196	22266.265	15.167	22.314	997.855	45117.490	47.837	9.635	13.523
	45.325	99.366	23791.175	15.505	22.804	1043.286	48207.371	48.905	9.889	13.879
L54	45.329	97.651	23394.030	15.510	22.804	1025.870	47402.647	48.061	9.922	14.175
	46.113	99.356	24641.357	15.781	23.196	1062.309	49930.070	48.900	10.125	14.464

Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals	Double Angle Stitch Bolt Spacing Horizontals	Double Angle Stitch Bolt Spacing Redundants
ft	ft ²	in					in	in	in
L1 151.000-146.0 00				1	1	1			
L2 146.000-141.0 00				1	1	1			
L3 141.000-136.0 00				1	1	1			

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Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L4 136.000-131.000				1	1	1			
L5 131.000-126.000				1	1	1			
L6 126.000-121.000				1	1	1			
L7 121.000-118.500				1	1	1			
L8 118.500-118.250				1	1	0.936483			
L9 118.250-113.250				1	1	0.940717			
L10 113.250-108.250				1	1	0.946734			
L11 108.250-103.250				1	1	0.941832			
L12 103.250-97.500				1	1	0.94679			
L13 97.500-95.950				1	1	0.951696			
L14 95.950-95.000				1	1	0.949207			
L15 95.000-94.750				1	1	0.91869			
L16 94.750-92.500				1	1	0.924668			
L17 92.500-92.250				1	1	0.942181			
L18 92.250-87.750				1	1	0.952464			
L19 87.750-87.500				1	1	0.912364			
L20 87.500-84.000				1	1	0.912838			
L21 84.000-83.750				1	1	0.941005			
L22 83.750-78.750				1	1	0.946667			
L23 78.750-73.750				1	1	0.953431			
L24 73.750-68.750				1	1	0.941208			
L25 68.750-64.750				1	1	0.951824			
L26 64.750-64.500				1	1	0.924157			
L27 64.500-63.250				1	1	0.920216			
L28 63.250-63.000				1	1	0.947815			

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Tower Elevation	Gusset Area (per face)	Gusset Thickness	Gusset Grade	Adjust. Factor A_f	Adjust. Factor A_r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
ft	ft ²	in							
L29				1	1	0.957247			
63.000-58.000									
L30				1	1	0.954526			
58.000-56.750									
L31				1	1	0.915353			
56.750-56.500									
L32				1	1	0.911464			
56.500-55.250									
L33				1	1	0.947191			
55.250-55.000									
L34				1	1	0.940053			
55.000-47.500									
L35				1	1	0.943221			
47.500-47.050									
L36				1	1	0.949179			
47.050-42.050									
L37				1	1	0.955946			
42.050-37.050									
L38				1	1	0.951704			
37.050-34.950									
L39				1	1	0.925302			
34.950-34.700									
L40				1	1	0.935591			
34.700-34.250									
L41				1	1	0.949814			
34.250-34.000									
L42				1	1	0.957587			
34.000-29.000									
L43				1	1	0.95332			
29.000-26.750									
L44				1	1	0.938236			
26.750-26.500									
L45				1	1	0.934945			
26.500-25.250									
L46				1	1	0.950065			
25.250-25.000									
L47				1	1	0.958859			
25.000-20.000									
L48				1	1	0.953127			
20.000-16.750									
L49				1	1	1.0263			
16.750-16.500									
L50				1	1	1.02079			
16.500-14.250									
L51				1	1	0.961912			
14.250-14.000									
L52				1	1	0.968397			
14.000-9.000									
L53				1	1	0.958743			
9.000-4.000									
L54				1	1	0.968031			
4.000-0.000									

Feed Line/Linear Appurtenances - Entered As Round Or Flat

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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 klf
* AL7-50(1-5/8)	B	No	Surface Ar (CaAa)	122.000 - 0.000	7	4	0.000 0.250	1.960		0.001
* CU12PSM9P6XXX(1-1/2)	B	No	Surface Ar (CaAa)	103.000 - 0.000	1	1	0.350 0.400	1.600		0.002
* Safety Line 3/8	A	No	Surface Ar (CaAa)	151.000 - 0.000	1	1	-0.450 -0.450	0.375		0.000
* Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	20.500 - 0.000	1	1	0.150 0.175	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	20.500 - 0.000	1	1	-0.175 -0.150	8.500	19.500	0.000
* Sabre MS-850 (8.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	30.500 - 0.000	1	1	0.100 0.125	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	30.500 - 0.000	1	1	0.100 0.125	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	30.500 - 10.500	1	1	0.100 0.125	8.500	19.500	0.000
* Sabre MS-850 (8.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	38.700 - 21.500	1	1	0.150 0.175	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	38.700 - 21.500	1	1	0.150 0.175	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	38.700 - 21.500	1	1	0.150 0.175	8.500	19.500	0.000
* Sabre MS-850 (8.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.100 0.125	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.100 0.125	8.500	19.500	0.000
Sabre MS-850 (8.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	60.500 - 30.500	1	1	0.100 0.125	8.500	19.500	0.000
* Sabre MS-650 (6.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	67.500 - 52.500	1	1	0.150 0.175	6.500	15.500	0.000
Sabre MS-650 (6.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	67.500 - 52.500	1	1	0.150 0.175	6.500	15.500	0.000
Sabre MS-650 (6.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	67.500 - 52.500	1	1	0.150 0.175	6.500	15.500	0.000
* Sabre MS-650 (6.5" x 1.25" Plate)	A	No	Surface Af (CaAa)	90.500 - 60.500	1	1	0.100 0.125	6.500	15.500	0.000
Sabre MS-650 (6.5" x 1.25" Plate)	B	No	Surface Af (CaAa)	90.500 - 60.500	1	1	0.100 0.125	6.500	15.500	0.000
Sabre MS-650 (6.5" x 1.25" Plate)	C	No	Surface Af (CaAa)	90.500 - 60.500	1	1	0.100 0.125	6.500	15.500	0.000
* Sabre MS-600 (6" x 1" Plate)	A	No	Surface Af (CaAa)	97.000 - 82.000	1	1	0.150 0.175	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate)	B	No	Surface Af (CaAa)	97.000 - 82.000	1	1	0.150 0.175	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate)	C	No	Surface Af (CaAa)	97.000 - 82.000	1	1	0.150 0.175	6.000	14.000	0.000
* Sabre MS-600 (6" x 1" Plate)	A	No	Surface Af (CaAa)	120.500 - 90.500	1	1	0.100 0.125	6.000	14.000	0.000
Sabre MS-600 (6" x 1" Plate)	B	No	Surface Af	120.500 -	1	1	0.100	6.000	14.000	0.000

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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 klf
Plate)			(CaAa)	90.500			0.125			
Sabre MS-600 (6" x 1" Plate)	C	No	Surface Af (CaAa)	120.500 - 90.500	1	1	0.100 0.125	6.000	14.000	0.000
*										
MP3-03 (Surface Af)	A	No	Surface Af (CaAa)	126.500 - 116.500	1	1	0.200 0.225	4.060	11.260	0.010
MP3-03 (Surface Af)	B	No	Surface Af (CaAa)	126.500 - 116.500	1	1	0.200 0.225	4.060	11.260	0.010
MP3-03 (Surface Af)	C	No	Surface Af (CaAa)	126.500 - 116.500	1	1	0.200 0.225	4.060	11.260	0.010
*										

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 ft ² /ft	Weight klf
810921-001(7/8)	A	No	No	Inside Pole	148.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
*									
LDF7-50A(1-5/8)	C	No	No	Inside Pole	148.000 - 0.000	6	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
2" Rigid Conduit	A	No	No	Inside Pole	148.000 - 0.000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.003 0.003 0.003 0.003
WR-VG86ST-BRD(3/4)	A	No	No	Inside Pole	148.000 - 0.000	2	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
WR-VG66ST-BRD_CCIIV2(7/8)	A	No	No	Inside Pole	148.000 - 0.000	4	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
FB-L98B-034-XXX(3/8)	A	No	No	Inside Pole	148.000 - 0.000	3	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000
*									
LDF7-50A(1-5/8)	B	No	No	Inside Pole	138.000 - 0.000	12	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.001 0.001 0.001 0.001
HB158-U12S24-XX X-LI(1-5/8)	B	No	No	Inside Pole	138.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.003 0.003 0.003 0.003
*									
LDF4-50A(1/2)	C	No	No	Inside Pole	130.000 - 0.000	1	No Ice 1/2" Ice 1" Ice 2" Ice	0.000 0.000 0.000 0.000	0.000 0.000 0.000 0.000

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Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number		C _A A _A ft ² /ft	Weight klf
LDF7-50A(1-5/8)	C	No	No	Inside Pole	130.000 - 0.000	3	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
HB114-21U3M12-X XXF(1-1/4)	C	No	No	Inside Pole	130.000 - 0.000	1	No Ice	0.000	0.001
							1/2" Ice	0.000	0.001
							1" Ice	0.000	0.001
							2" Ice	0.000	0.001
*									

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	151.000-146.000	A	0.000	0.000	0.188	0.000	0.035
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.010
L2	146.000-141.000	A	0.000	0.000	0.188	0.000	0.085
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.025
L3	141.000-136.000	A	0.000	0.000	0.188	0.000	0.085
		B	0.000	0.000	0.000	0.000	0.026
		C	0.000	0.000	0.000	0.000	0.025
L4	136.000-131.000	A	0.000	0.000	0.188	0.000	0.085
		B	0.000	0.000	0.000	0.000	0.065
		C	0.000	0.000	0.000	0.000	0.025
L5	131.000-126.000	A	0.000	0.000	0.526	0.000	0.090
		B	0.000	0.000	0.338	0.000	0.070
		C	0.000	0.000	0.338	0.000	0.045
L6	126.000-121.000	A	0.000	0.000	3.571	0.000	0.135
		B	0.000	0.000	4.167	0.000	0.118
		C	0.000	0.000	3.383	0.000	0.093
L7	121.000-118.500	A	0.000	0.000	3.785	0.000	0.067
		B	0.000	0.000	5.652	0.000	0.066
		C	0.000	0.000	3.692	0.000	0.047
L8	118.500-118.250	A	0.000	0.000	0.429	0.000	0.007
		B	0.000	0.000	0.615	0.000	0.007
		C	0.000	0.000	0.419	0.000	0.005
L9	118.250-113.250	A	0.000	0.000	6.372	0.000	0.103
		B	0.000	0.000	10.104	0.000	0.101
		C	0.000	0.000	6.184	0.000	0.061
L10	113.250-108.250	A	0.000	0.000	5.188	0.000	0.085
		B	0.000	0.000	8.920	0.000	0.083
		C	0.000	0.000	5.000	0.000	0.044
L11	108.250-103.250	A	0.000	0.000	5.188	0.000	0.085
		B	0.000	0.000	8.920	0.000	0.083
		C	0.000	0.000	5.000	0.000	0.044
L12	103.250-97.500	A	0.000	0.000	5.966	0.000	0.098
		B	0.000	0.000	11.138	0.000	0.109
		C	0.000	0.000	5.750	0.000	0.050
L13	97.500-95.950	A	0.000	0.000	2.658	0.000	0.026
		B	0.000	0.000	4.063	0.000	0.029
		C	0.000	0.000	2.600	0.000	0.014

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Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L14	95.950-95.000	A	0.000	0.000	1.936	0.000	0.016
		B	0.000	0.000	2.797	0.000	0.018
		C	0.000	0.000	1.900	0.000	0.008
L15	95.000-94.750	A	0.000	0.000	0.509	0.000	0.004
		B	0.000	0.000	0.736	0.000	0.005
		C	0.000	0.000	0.500	0.000	0.002
L16	94.750-92.500	A	0.000	0.000	4.584	0.000	0.038
		B	0.000	0.000	6.624	0.000	0.043
		C	0.000	0.000	4.500	0.000	0.020
L17	92.500-92.250	A	0.000	0.000	0.509	0.000	0.004
		B	0.000	0.000	0.736	0.000	0.005
		C	0.000	0.000	0.500	0.000	0.002
L18	92.250-87.750	A	0.000	0.000	9.398	0.000	0.077
		B	0.000	0.000	13.477	0.000	0.086
		C	0.000	0.000	9.229	0.000	0.039
L19	87.750-87.500	A	0.000	0.000	0.530	0.000	0.004
		B	0.000	0.000	0.757	0.000	0.005
		C	0.000	0.000	0.521	0.000	0.002
L20	87.500-84.000	A	0.000	0.000	7.423	0.000	0.060
		B	0.000	0.000	10.596	0.000	0.067
		C	0.000	0.000	7.292	0.000	0.031
L21	84.000-83.750	A	0.000	0.000	0.530	0.000	0.004
		B	0.000	0.000	0.757	0.000	0.005
		C	0.000	0.000	0.521	0.000	0.002
L22	83.750-78.750	A	0.000	0.000	7.354	0.000	0.085
		B	0.000	0.000	11.887	0.000	0.095
		C	0.000	0.000	7.167	0.000	0.044
L23	78.750-73.750	A	0.000	0.000	5.604	0.000	0.085
		B	0.000	0.000	10.137	0.000	0.095
		C	0.000	0.000	5.417	0.000	0.044
L24	73.750-68.750	A	0.000	0.000	5.604	0.000	0.085
		B	0.000	0.000	10.137	0.000	0.095
		C	0.000	0.000	5.417	0.000	0.044
L25	68.750-64.750	A	0.000	0.000	7.462	0.000	0.068
		B	0.000	0.000	11.089	0.000	0.076
		C	0.000	0.000	7.313	0.000	0.035
L26	64.750-64.500	A	0.000	0.000	0.551	0.000	0.004
		B	0.000	0.000	0.778	0.000	0.005
		C	0.000	0.000	0.542	0.000	0.002
L27	64.500-63.250	A	0.000	0.000	2.755	0.000	0.021
		B	0.000	0.000	3.888	0.000	0.024
		C	0.000	0.000	2.708	0.000	0.011
L28	63.250-63.000	A	0.000	0.000	0.551	0.000	0.004
		B	0.000	0.000	0.778	0.000	0.005
		C	0.000	0.000	0.542	0.000	0.002
L29	63.000-58.000	A	0.000	0.000	11.854	0.000	0.085
		B	0.000	0.000	16.387	0.000	0.095
		C	0.000	0.000	11.667	0.000	0.044
L30	58.000-56.750	A	0.000	0.000	3.172	0.000	0.021
		B	0.000	0.000	4.305	0.000	0.024
		C	0.000	0.000	3.125	0.000	0.011
L31	56.750-56.500	A	0.000	0.000	0.634	0.000	0.004
		B	0.000	0.000	0.861	0.000	0.005
		C	0.000	0.000	0.625	0.000	0.002
L32	56.500-55.250	A	0.000	0.000	3.172	0.000	0.021
		B	0.000	0.000	4.305	0.000	0.024
		C	0.000	0.000	3.125	0.000	0.011
L33	55.250-55.000	A	0.000	0.000	0.634	0.000	0.004
		B	0.000	0.000	0.861	0.000	0.005
		C	0.000	0.000	0.625	0.000	0.002
L34	55.000-47.500	A	0.000	0.000	13.615	0.000	0.128

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Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B	0.000	0.000	20.413	0.000	0.143
		C	0.000	0.000	13.333	0.000	0.066
L35	47.500-47.050	A	0.000	0.000	0.654	0.000	0.008
		B	0.000	0.000	1.062	0.000	0.009
		C	0.000	0.000	0.637	0.000	0.004
L36	47.050-42.050	A	0.000	0.000	7.271	0.000	0.085
		B	0.000	0.000	11.803	0.000	0.095
		C	0.000	0.000	7.083	0.000	0.044
L37	42.050-37.050	A	0.000	0.000	9.570	0.000	0.085
		B	0.000	0.000	14.103	0.000	0.095
		C	0.000	0.000	9.383	0.000	0.044
L38	37.050-34.950	A	0.000	0.000	5.980	0.000	0.036
		B	0.000	0.000	7.884	0.000	0.040
		C	0.000	0.000	5.902	0.000	0.018
L39	34.950-34.700	A	0.000	0.000	0.712	0.000	0.004
		B	0.000	0.000	0.939	0.000	0.005
		C	0.000	0.000	0.703	0.000	0.002
L40	34.700-34.250	A	0.000	0.000	1.282	0.000	0.008
		B	0.000	0.000	1.689	0.000	0.009
		C	0.000	0.000	1.265	0.000	0.004
L41	34.250-34.000	A	0.000	0.000	0.712	0.000	0.004
		B	0.000	0.000	0.939	0.000	0.005
		C	0.000	0.000	0.703	0.000	0.002
L42	34.000-29.000	A	0.000	0.000	14.239	0.000	0.085
		B	0.000	0.000	18.771	0.000	0.095
		C	0.000	0.000	14.051	0.000	0.044
L43	29.000-26.750	A	0.000	0.000	6.408	0.000	0.038
		B	0.000	0.000	8.447	0.000	0.043
		C	0.000	0.000	6.323	0.000	0.020
L44	26.750-26.500	A	0.000	0.000	0.712	0.000	0.004
		B	0.000	0.000	0.939	0.000	0.005
		C	0.000	0.000	0.703	0.000	0.002
L45	26.500-25.250	A	0.000	0.000	3.560	0.000	0.021
		B	0.000	0.000	4.693	0.000	0.024
		C	0.000	0.000	3.513	0.000	0.011
L46	25.250-25.000	A	0.000	0.000	0.712	0.000	0.004
		B	0.000	0.000	0.939	0.000	0.005
		C	0.000	0.000	0.703	0.000	0.002
L47	25.000-20.000	A	0.000	0.000	12.149	0.000	0.085
		B	0.000	0.000	16.681	0.000	0.095
		C	0.000	0.000	13.378	0.000	0.044
L48	20.000-16.750	A	0.000	0.000	4.726	0.000	0.056
		B	0.000	0.000	7.672	0.000	0.062
		C	0.000	0.000	13.813	0.000	0.028
L49	16.750-16.500	A	0.000	0.000	0.364	0.000	0.004
		B	0.000	0.000	0.590	0.000	0.005
		C	0.000	0.000	1.063	0.000	0.002
L50	16.500-14.250	A	0.000	0.000	3.272	0.000	0.038
		B	0.000	0.000	5.311	0.000	0.043
		C	0.000	0.000	9.563	0.000	0.020
L51	14.250-14.000	A	0.000	0.000	0.364	0.000	0.004
		B	0.000	0.000	0.590	0.000	0.005
		C	0.000	0.000	1.063	0.000	0.002
L52	14.000-9.000	A	0.000	0.000	7.271	0.000	0.085
		B	0.000	0.000	11.803	0.000	0.095
		C	0.000	0.000	19.125	0.000	0.044
L53	9.000-4.000	A	0.000	0.000	7.271	0.000	0.085
		B	0.000	0.000	11.803	0.000	0.095
		C	0.000	0.000	14.167	0.000	0.044
L54	4.000-0.000	A	0.000	0.000	5.817	0.000	0.068
		B	0.000	0.000	9.443	0.000	0.076

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		Damodar

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		C	0.000	0.000	11.333	0.000	0.035

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L1	151.000-146.000	A	1.482	0.000	0.000	1.669	0.000	0.052
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.010
L2	146.000-141.000	A	1.477	0.000	0.000	1.664	0.000	0.102
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.025
L3	141.000-136.000	A	1.472	0.000	0.000	1.659	0.000	0.102
		B		0.000	0.000	0.000	0.000	0.026
		C		0.000	0.000	0.000	0.000	0.025
L4	136.000-131.000	A	1.466	0.000	0.000	1.654	0.000	0.102
		B		0.000	0.000	0.000	0.000	0.065
		C		0.000	0.000	0.000	0.000	0.025
L5	131.000-126.000	A	1.461	0.000	0.000	2.079	0.000	0.111
		B		0.000	0.000	0.431	0.000	0.075
		C		0.000	0.000	0.431	0.000	0.050
L6	126.000-121.000	A	1.455	0.000	0.000	5.946	0.000	0.199
		B		0.000	0.000	5.647	0.000	0.182
		C		0.000	0.000	4.304	0.000	0.141
L7	121.000-118.500	A	1.450	0.000	0.000	5.550	0.000	0.121
		B		0.000	0.000	8.087	0.000	0.153
		C		0.000	0.000	4.731	0.000	0.092
L8	118.500-118.250	A	1.449	0.000	0.000	0.619	0.000	0.013
		B		0.000	0.000	0.873	0.000	0.016
		C		0.000	0.000	0.537	0.000	0.010
L9	118.250-113.250	A	1.445	0.000	0.000	9.583	0.000	0.190
		B		0.000	0.000	14.657	0.000	0.253
		C		0.000	0.000	7.950	0.000	0.132
L10	113.250-108.250	A	1.439	0.000	0.000	8.066	0.000	0.156
		B		0.000	0.000	13.138	0.000	0.219
		C		0.000	0.000	6.439	0.000	0.098
L11	108.250-103.250	A	1.432	0.000	0.000	8.052	0.000	0.155
		B		0.000	0.000	13.123	0.000	0.218
		C		0.000	0.000	6.432	0.000	0.098
L12	103.250-97.500	A	1.425	0.000	0.000	9.243	0.000	0.178
		B		0.000	0.000	17.520	0.000	0.292
		C		0.000	0.000	7.389	0.000	0.112
L13	97.500-95.950	A	1.420	0.000	0.000	3.777	0.000	0.059
		B		0.000	0.000	6.039	0.000	0.090
		C		0.000	0.000	3.278	0.000	0.042
L14	95.950-95.000	A	1.418	0.000	0.000	2.687	0.000	0.039
		B		0.000	0.000	4.071	0.000	0.058
		C		0.000	0.000	2.382	0.000	0.029
L15	95.000-94.750	A	1.417	0.000	0.000	0.707	0.000	0.010
		B		0.000	0.000	1.071	0.000	0.015
		C		0.000	0.000	0.627	0.000	0.008
L16	94.750-92.500	A	1.415	0.000	0.000	6.360	0.000	0.093
		B		0.000	0.000	9.637	0.000	0.138
		C		0.000	0.000	5.639	0.000	0.068
L17	92.500-92.250	A	1.413	0.000	0.000	0.706	0.000	0.010
		B		0.000	0.000	1.070	0.000	0.015
		C		0.000	0.000	0.626	0.000	0.008

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
L18	92.250-87.750	A	1.410	0.000	0.000	12.937	0.000	0.188
		B		0.000	0.000	19.484	0.000	0.278
		C		0.000	0.000	11.500	0.000	0.137
L19	87.750-87.500	A	1.406	0.000	0.000	0.726	0.000	0.011
		B		0.000	0.000	1.090	0.000	0.015
		C		0.000	0.000	0.647	0.000	0.008
L20	87.500-84.000	A	1.403	0.000	0.000	10.164	0.000	0.147
		B		0.000	0.000	15.250	0.000	0.216
		C		0.000	0.000	9.051	0.000	0.107
L21	84.000-83.750	A	1.400	0.000	0.000	0.726	0.000	0.010
		B		0.000	0.000	1.089	0.000	0.015
		C		0.000	0.000	0.646	0.000	0.008
L22	83.750-78.750	A	1.395	0.000	0.000	10.532	0.000	0.175
		B		0.000	0.000	17.788	0.000	0.274
		C		0.000	0.000	8.949	0.000	0.118
L23	78.750-73.750	A	1.386	0.000	0.000	8.377	0.000	0.156
		B		0.000	0.000	15.622	0.000	0.254
		C		0.000	0.000	6.803	0.000	0.100
L24	73.750-68.750	A	1.377	0.000	0.000	8.358	0.000	0.156
		B		0.000	0.000	15.592	0.000	0.253
		C		0.000	0.000	6.794	0.000	0.099
L25	68.750-64.750	A	1.368	0.000	0.000	10.156	0.000	0.154
		B		0.000	0.000	15.934	0.000	0.232
		C		0.000	0.000	8.911	0.000	0.109
L26	64.750-64.500	A	1.364	0.000	0.000	0.733	0.000	0.010
		B		0.000	0.000	1.094	0.000	0.015
		C		0.000	0.000	0.656	0.000	0.008
L27	64.500-63.250	A	1.362	0.000	0.000	3.665	0.000	0.052
		B		0.000	0.000	5.468	0.000	0.076
		C		0.000	0.000	3.277	0.000	0.038
L28	63.250-63.000	A	1.360	0.000	0.000	0.733	0.000	0.010
		B		0.000	0.000	1.093	0.000	0.015
		C		0.000	0.000	0.655	0.000	0.008
L29	63.000-58.000	A	1.355	0.000	0.000	15.473	0.000	0.214
		B		0.000	0.000	22.679	0.000	0.310
		C		0.000	0.000	13.931	0.000	0.158
L30	58.000-56.750	A	1.348	0.000	0.000	4.072	0.000	0.055
		B		0.000	0.000	5.871	0.000	0.078
		C		0.000	0.000	3.688	0.000	0.041
L31	56.750-56.500	A	1.346	0.000	0.000	0.814	0.000	0.011
		B		0.000	0.000	1.174	0.000	0.016
		C		0.000	0.000	0.738	0.000	0.008
L32	56.500-55.250	A	1.344	0.000	0.000	4.070	0.000	0.054
		B		0.000	0.000	5.868	0.000	0.078
		C		0.000	0.000	3.687	0.000	0.040
L33	55.250-55.000	A	1.342	0.000	0.000	0.814	0.000	0.011
		B		0.000	0.000	1.173	0.000	0.016
		C		0.000	0.000	0.737	0.000	0.008
L34	55.000-47.500	A	1.332	0.000	0.000	18.061	0.000	0.271
		B		0.000	0.000	28.828	0.000	0.413
		C		0.000	0.000	15.781	0.000	0.188
L35	47.500-47.050	A	1.322	0.000	0.000	0.894	0.000	0.015
		B		0.000	0.000	1.540	0.000	0.023
		C		0.000	0.000	0.757	0.000	0.010
L36	47.050-42.050	A	1.314	0.000	0.000	9.898	0.000	0.161
		B		0.000	0.000	17.053	0.000	0.255
		C		0.000	0.000	8.397	0.000	0.106
L37	42.050-37.050	A	1.298	0.000	0.000	12.395	0.000	0.181
		B		0.000	0.000	19.530	0.000	0.273
		C		0.000	0.000	10.909	0.000	0.126
L38	37.050-34.950	A	1.286	0.000	0.000	7.348	0.000	0.093

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Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	10.339	0.000	0.131
		C		0.000	0.000	6.729	0.000	0.070
L39	34.950-34.700	A	1.282	0.000	0.000	0.874	0.000	0.011
		B		0.000	0.000	1.230	0.000	0.016
		C		0.000	0.000	0.801	0.000	0.008
L40	34.700-34.250	A	1.281	0.000	0.000	1.573	0.000	0.020
		B		0.000	0.000	2.214	0.000	0.028
		C		0.000	0.000	1.441	0.000	0.015
L41	34.250-34.000	A	1.279	0.000	0.000	0.874	0.000	0.011
		B		0.000	0.000	1.229	0.000	0.016
		C		0.000	0.000	0.801	0.000	0.008
L42	34.000-29.000	A	1.269	0.000	0.000	17.452	0.000	0.218
		B		0.000	0.000	24.551	0.000	0.309
		C		0.000	0.000	15.920	0.000	0.164
L43	29.000-26.750	A	1.254	0.000	0.000	7.836	0.000	0.097
		B		0.000	0.000	11.022	0.000	0.138
		C		0.000	0.000	7.078	0.000	0.073
L44	26.750-26.500	A	1.248	0.000	0.000	0.870	0.000	0.011
		B		0.000	0.000	1.224	0.000	0.015
		C		0.000	0.000	0.786	0.000	0.008
L45	26.500-25.250	A	1.244	0.000	0.000	4.348	0.000	0.054
		B		0.000	0.000	6.115	0.000	0.076
		C		0.000	0.000	3.930	0.000	0.040
L46	25.250-25.000	A	1.241	0.000	0.000	0.869	0.000	0.011
		B		0.000	0.000	1.222	0.000	0.015
		C		0.000	0.000	0.786	0.000	0.008
L47	25.000-20.000	A	1.227	0.000	0.000	15.060	0.000	0.195
		B		0.000	0.000	22.107	0.000	0.283
		C		0.000	0.000	15.046	0.000	0.153
L48	20.000-16.750	A	1.202	0.000	0.000	6.289	0.000	0.100
		B		0.000	0.000	10.849	0.000	0.156
		C		0.000	0.000	15.836	0.000	0.138
L49	16.750-16.500	A	1.191	0.000	0.000	0.483	0.000	0.008
		B		0.000	0.000	0.833	0.000	0.012
		C		0.000	0.000	1.217	0.000	0.011
L50	16.500-14.250	A	1.181	0.000	0.000	4.335	0.000	0.068
		B		0.000	0.000	7.480	0.000	0.106
		C		0.000	0.000	10.948	0.000	0.094
L51	14.250-14.000	A	1.171	0.000	0.000	0.481	0.000	0.008
		B		0.000	0.000	0.829	0.000	0.012
		C		0.000	0.000	1.216	0.000	0.010
L52	14.000-9.000	A	1.147	0.000	0.000	9.566	0.000	0.149
		B		0.000	0.000	16.512	0.000	0.232
		C		0.000	0.000	21.867	0.000	0.187
L53	9.000-4.000	A	1.084	0.000	0.000	9.438	0.000	0.145
		B		0.000	0.000	16.305	0.000	0.224
		C		0.000	0.000	16.175	0.000	0.143
L54	4.000-0.000	A	0.963	0.000	0.000	7.358	0.000	0.109
		B		0.000	0.000	12.731	0.000	0.167
		C		0.000	0.000	12.833	0.000	0.104

Feed Line Center of Pressure

Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L1	151.000-146.000	-0.209	0.093	-1.128	0.502

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Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
L2	146.000-141.000	-0.209	0.093	-1.138	0.507
L3	141.000-136.000	-0.209	0.093	-1.148	0.511
L4	136.000-131.000	-0.209	0.093	-1.156	0.515
L5	131.000-126.000	-0.188	0.084	-1.067	0.475
L6	126.000-121.000	0.405	-0.091	0.007	0.102
L7	121.000-118.500	1.297	-0.338	1.329	-0.297
L8	118.500-118.250	1.212	-0.316	1.249	-0.279
L9	118.250-113.250	1.456	-0.380	1.481	-0.331
L10	113.250-108.250	1.674	-0.436	1.666	-0.372
L11	108.250-103.250	1.713	-0.446	1.700	-0.379
L12	103.250-97.500	1.979	-0.350	2.273	-0.206
L13	97.500-95.950	1.540	-0.267	1.835	-0.158
L14	95.950-95.000	1.394	-0.242	1.681	-0.145
L15	95.000-94.750	1.399	-0.243	1.687	-0.146
L16	94.750-92.500	1.406	-0.244	1.696	-0.146
L17	92.500-92.250	1.411	-0.245	1.704	-0.147
L18	92.250-87.750	1.403	-0.243	1.702	-0.147
L19	87.750-87.500	1.404	-0.243	1.708	-0.147
L20	87.500-84.000	1.413	-0.245	1.721	-0.149
L21	84.000-83.750	1.422	-0.246	1.733	-0.150
L22	83.750-78.750	1.770	-0.306	2.117	-0.183
L23	78.750-73.750	2.067	-0.357	2.426	-0.210
L24	73.750-68.750	2.107	-0.364	2.466	-0.214
L25	68.750-64.750	1.626	-0.281	1.999	-0.174
L26	64.750-64.500	1.486	-0.256	1.846	-0.161
L27	64.500-63.250	1.489	-0.257	1.851	-0.161
L28	63.250-63.000	1.492	-0.257	1.855	-0.161
L29	63.000-58.000	1.439	-0.248	1.809	-0.158
L30	58.000-56.750	1.393	-0.240	1.768	-0.155
L31	56.750-56.500	1.398	-0.241	1.774	-0.155
L32	56.500-55.250	1.401	-0.241	1.779	-0.156
L33	55.250-55.000	1.405	-0.242	1.782	-0.156
L34	55.000-47.500	1.765	-0.304	2.160	-0.190
L35	47.500-47.050	2.009	-0.346	2.401	-0.211
L36	47.050-42.050	2.028	-0.349	2.418	-0.215
L37	42.050-37.050	1.767	-0.304	2.172	-0.194
L38	37.050-34.950	1.387	-0.238	1.782	-0.160
L39	34.950-34.700	1.394	-0.240	1.789	-0.161
L40	34.700-34.250	1.396	-0.240	1.791	-0.162
L41	34.250-34.000	1.397	-0.240	1.792	-0.162
L42	34.000-29.000	1.411	-0.242	1.816	-0.181
L43	29.000-26.750	1.431	-0.246	1.858	-0.223
L44	26.750-26.500	1.438	-0.247	1.865	-0.224
L45	26.500-25.250	1.442	-0.248	1.869	-0.225
L46	25.250-25.000	1.445	-0.248	1.872	-0.225
L47	25.000-20.000	1.583	0.137	2.012	0.132
L48	20.000-16.750	1.679	4.009	2.067	3.575
L49	16.750-16.500	1.689	4.034	2.076	3.599
L50	16.500-14.250	1.696	4.052	2.082	3.615
L51	14.250-14.000	1.702	4.069	2.087	3.631
L52	14.000-9.000	2.148	3.500	2.488	3.119
L53	9.000-4.000	3.333	1.946	3.538	1.746
L54	4.000-0.000	3.379	1.973	3.561	1.782

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

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Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
L1	24	Safety Line 3/8	146.00 - 151.00	1.0000	1.0000
L2	24	Safety Line 3/8	141.00 - 146.00	1.0000	1.0000
L3	24	Safety Line 3/8	136.00 - 141.00	1.0000	1.0000
L4	24	Safety Line 3/8	131.00 - 136.00	1.0000	1.0000
L5	24	Safety Line 3/8	126.00 - 131.00	1.0000	1.0000
L5	57	MP3-03 (Surface Af)	126.00 - 126.50	1.0000	1.0000
L5	58	MP3-03 (Surface Af)	126.00 - 126.50	1.0000	1.0000
L5	59	MP3-03 (Surface Af)	126.00 - 126.50	1.0000	1.0000
L6	19	AL7-50(1-5/8)	121.00 - 122.00	1.0000	1.0000
L6	24	Safety Line 3/8	121.00 - 126.00	1.0000	1.0000
L6	57	MP3-03 (Surface Af)	121.00 - 126.00	1.0000	1.0000
L6	58	MP3-03 (Surface Af)	121.00 - 126.00	1.0000	1.0000
L6	59	MP3-03 (Surface Af)	121.00 - 126.00	1.0000	1.0000
L7	19	AL7-50(1-5/8)	118.50 - 121.00	1.0000	1.0000
L7	24	Safety Line 3/8	118.50 - 121.00	1.0000	1.0000
L7	53	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	1.0000	1.0000
L7	54	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	1.0000	1.0000
L7	55	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	1.0000	1.0000
L7	57	MP3-03 (Surface Af)	118.50 - 121.00	1.0000	1.0000
L7	58	MP3-03 (Surface Af)	118.50 - 121.00	1.0000	1.0000
L7	59	MP3-03 (Surface Af)	118.50 - 121.00	1.0000	1.0000
L8	19	AL7-50(1-5/8)	118.25 - 118.50	1.0000	1.0000
L8	24	Safety Line 3/8	118.25 - 118.50	1.0000	1.0000
L8	53	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	1.0000	1.0000
L8	54	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	1.0000	1.0000
L8	55	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	1.0000	1.0000
L8	57	MP3-03 (Surface Af)	118.25 - 118.50	1.0000	1.0000
L8	58	MP3-03 (Surface Af)	118.25 - 118.50	1.0000	1.0000
L8	59	MP3-03 (Surface Af)	118.25 - 118.50	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L9	19	AL7-50(1-5/8)	118.50		
			113.25 -	1.0000	1.0000
			118.25		
L9	24	Safety Line 3/8	113.25 -	1.0000	1.0000
			118.25		
L9	53	Sabre MS-600 (6" x 1" Plate)	113.25 -	1.0000	1.0000
			118.25		
L9	54	Sabre MS-600 (6" x 1" Plate)	113.25 -	1.0000	1.0000
			118.25		
L9	55	Sabre MS-600 (6" x 1" Plate)	113.25 -	1.0000	1.0000
			118.25		
L9	57	MP3-03 (Surface Af)	116.50 -	1.0000	1.0000
			118.25		
L9	58	MP3-03 (Surface Af)	116.50 -	1.0000	1.0000
			118.25		
L9	59	MP3-03 (Surface Af)	116.50 -	1.0000	1.0000
			118.25		
L10	19	AL7-50(1-5/8)	108.25 -	1.0000	1.0000
			113.25		
L10	24	Safety Line 3/8	108.25 -	1.0000	1.0000
			113.25		
L10	53	Sabre MS-600 (6" x 1" Plate)	108.25 -	1.0000	1.0000
			113.25		
L10	54	Sabre MS-600 (6" x 1" Plate)	108.25 -	1.0000	1.0000
			113.25		
L10	55	Sabre MS-600 (6" x 1" Plate)	108.25 -	1.0000	1.0000
			113.25		
L11	19	AL7-50(1-5/8)	103.25 -	1.0000	1.0000
			108.25		
L11	24	Safety Line 3/8	103.25 -	1.0000	1.0000
			108.25		
L11	53	Sabre MS-600 (6" x 1" Plate)	103.25 -	1.0000	1.0000
			108.25		
L11	54	Sabre MS-600 (6" x 1" Plate)	103.25 -	1.0000	1.0000
			108.25		
L11	55	Sabre MS-600 (6" x 1" Plate)	103.25 -	1.0000	1.0000
			108.25		
L12	19	AL7-50(1-5/8)	97.50 - 103.25	1.0000	1.0000
L12	22	CU12PSM9P6XXX(1-1/2)	97.50 - 103.00	1.0000	1.0000
L12	24	Safety Line 3/8	97.50 - 103.25	1.0000	1.0000
L12	53	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	1.0000	1.0000
L12	54	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	1.0000	1.0000
L12	55	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	1.0000	1.0000
L13	19	AL7-50(1-5/8)	95.95 - 97.50	1.0000	1.0000
L13	22	CU12PSM9P6XXX(1-1/2)	95.95 - 97.50	1.0000	1.0000
L13	24	Safety Line 3/8	95.95 - 97.50	1.0000	1.0000
L13	49	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	1.0000	1.0000
L13	50	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	1.0000	1.0000
L13	51	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	1.0000	1.0000
L13	53	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	1.0000	1.0000
L13	54	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	1.0000	1.0000
L13	55	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	1.0000	1.0000
L14	19	AL7-50(1-5/8)	95.00 - 95.95	1.0000	1.0000
L14	22	CU12PSM9P6XXX(1-1/2)	95.00 - 95.95	1.0000	1.0000
L14	24	Safety Line 3/8	95.00 - 95.95	1.0000	1.0000
L14	49	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	1.0000	1.0000
L14	50	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	1.0000	1.0000
L14	51	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	1.0000	1.0000
L14	53	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	1.0000	1.0000
L14	54	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	1.0000	1.0000
L14	55	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	1.0000	1.0000
L15	19	AL7-50(1-5/8)	94.75 - 95.00	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L15	22	CU12PSM9P6XXX(1-1/2)	94.75 - 95.00	1.0000	1.0000
L15	24	Safety Line 3/8	94.75 - 95.00	1.0000	1.0000
L15	49	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	1.0000	1.0000
L15	50	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	1.0000	1.0000
L15	51	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	1.0000	1.0000
L15	53	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	1.0000	1.0000
L15	54	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	1.0000	1.0000
L15	55	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	1.0000	1.0000
L16	19	AL7-50(1-5/8)	92.50 - 94.75	1.0000	1.0000
L16	22	CU12PSM9P6XXX(1-1/2)	92.50 - 94.75	1.0000	1.0000
L16	24	Safety Line 3/8	92.50 - 94.75	1.0000	1.0000
L16	49	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	1.0000	1.0000
L16	50	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	1.0000	1.0000
L16	51	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	1.0000	1.0000
L16	53	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	1.0000	1.0000
L16	54	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	1.0000	1.0000
L16	55	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	1.0000	1.0000
L17	19	AL7-50(1-5/8)	92.25 - 92.50	1.0000	1.0000
L17	22	CU12PSM9P6XXX(1-1/2)	92.25 - 92.50	1.0000	1.0000
L17	24	Safety Line 3/8	92.25 - 92.50	1.0000	1.0000
L17	49	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	50	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	51	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	53	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	54	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L17	55	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	1.0000	1.0000
L18	19	AL7-50(1-5/8)	87.75 - 92.25	1.0000	1.0000
L18	22	CU12PSM9P6XXX(1-1/2)	87.75 - 92.25	1.0000	1.0000
L18	24	Safety Line 3/8	87.75 - 92.25	1.0000	1.0000
L18	45	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	1.0000	1.0000
L18	46	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	1.0000	1.0000
L18	47	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	1.0000	1.0000
L18	49	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	1.0000	1.0000
L18	50	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	1.0000	1.0000
L18	51	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	1.0000	1.0000
L18	53	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	1.0000	1.0000
L18	54	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	1.0000	1.0000
L18	55	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	1.0000	1.0000
L19	19	AL7-50(1-5/8)	87.50 - 87.75	1.0000	1.0000
L19	22	CU12PSM9P6XXX(1-1/2)	87.50 - 87.75	1.0000	1.0000
L19	24	Safety Line 3/8	87.50 - 87.75	1.0000	1.0000
L19	45	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	1.0000	1.0000
L19	46	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	1.0000	1.0000
L19	47	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	1.0000	1.0000
L19	49	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	1.0000	1.0000
L19	50	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	1.0000	1.0000
L19	51	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	1.0000	1.0000
L20	19	AL7-50(1-5/8)	84.00 - 87.50	1.0000	1.0000
L20	22	CU12PSM9P6XXX(1-1/2)	84.00 - 87.50	1.0000	1.0000
L20	24	Safety Line 3/8	84.00 - 87.50	1.0000	1.0000
L20	45	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	1.0000	1.0000
L20	46	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	1.0000	1.0000
L20	47	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L20	49	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	1.0000	1.0000
L20	50	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	1.0000	1.0000
L20	51	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	1.0000	1.0000
L21	19	AL7-50(1-5/8)	83.75 - 84.00	1.0000	1.0000
L21	22	CU12PSM9P6XXX(1-1/2)	83.75 - 84.00	1.0000	1.0000
L21	24	Safety Line 3/8	83.75 - 84.00	1.0000	1.0000
L21	45	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	1.0000	1.0000
L21	46	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	1.0000	1.0000
L21	47	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	1.0000	1.0000
L21	49	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	1.0000	1.0000
L21	50	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	1.0000	1.0000
L21	51	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	1.0000	1.0000
L22	19	AL7-50(1-5/8)	78.75 - 83.75	1.0000	1.0000
L22	22	CU12PSM9P6XXX(1-1/2)	78.75 - 83.75	1.0000	1.0000
L22	24	Safety Line 3/8	78.75 - 83.75	1.0000	1.0000
L22	45	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	1.0000	1.0000
L22	46	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	1.0000	1.0000
L22	47	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	1.0000	1.0000
L22	49	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	1.0000	1.0000
L22	50	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	1.0000	1.0000
L22	51	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	1.0000	1.0000
L23	19	AL7-50(1-5/8)	73.75 - 78.75	1.0000	1.0000
L23	22	CU12PSM9P6XXX(1-1/2)	73.75 - 78.75	1.0000	1.0000
L23	24	Safety Line 3/8	73.75 - 78.75	1.0000	1.0000
L23	45	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	1.0000	1.0000
L23	46	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	1.0000	1.0000
L23	47	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	1.0000	1.0000
L24	19	AL7-50(1-5/8)	68.75 - 73.75	1.0000	1.0000
L24	22	CU12PSM9P6XXX(1-1/2)	68.75 - 73.75	1.0000	1.0000
L24	24	Safety Line 3/8	68.75 - 73.75	1.0000	1.0000
L24	45	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	1.0000	1.0000
L24	46	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	1.0000	1.0000
L24	47	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	1.0000	1.0000
L25	19	AL7-50(1-5/8)	64.75 - 68.75	1.0000	1.0000
L25	22	CU12PSM9P6XXX(1-1/2)	64.75 - 68.75	1.0000	1.0000
L25	24	Safety Line 3/8	64.75 - 68.75	1.0000	1.0000
L25	41	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	1.0000	1.0000
L25	42	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	1.0000	1.0000
L25	43	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	1.0000	1.0000
L25	45	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	1.0000	1.0000
L25	46	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	1.0000	1.0000
L25	47	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	1.0000	1.0000
L26	19	AL7-50(1-5/8)	64.50 - 64.75	1.0000	1.0000
L26	22	CU12PSM9P6XXX(1-1/2)	64.50 - 64.75	1.0000	1.0000

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L26	24	Safety Line 3/8	64.50 - 64.75	1.0000	1.0000
L26	41	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	42	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	43	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	45	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	46	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L26	47	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	1.0000	1.0000
L27	19	AL7-50(1-5/8)	63.25 - 64.50	1.0000	1.0000
L27	22	CU12PSM9P6XXX(1-1/2)	63.25 - 64.50	1.0000	1.0000
L27	24	Safety Line 3/8	63.25 - 64.50	1.0000	1.0000
L27	41	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	42	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	43	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	45	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	46	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L27	47	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	1.0000	1.0000
L28	19	AL7-50(1-5/8)	63.00 - 63.25	1.0000	1.0000
L28	22	CU12PSM9P6XXX(1-1/2)	63.00 - 63.25	1.0000	1.0000
L28	24	Safety Line 3/8	63.00 - 63.25	1.0000	1.0000
L28	41	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	42	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	43	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	45	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	46	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L28	47	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	1.0000	1.0000
L29	19	AL7-50(1-5/8)	58.00 - 63.00	1.0000	1.0000
L29	22	CU12PSM9P6XXX(1-1/2)	58.00 - 63.00	1.0000	1.0000
L29	24	Safety Line 3/8	58.00 - 63.00	1.0000	1.0000
L29	37	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	1.0000	1.0000
L29	38	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	1.0000	1.0000
L29	39	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	1.0000	1.0000
L29	41	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	1.0000	1.0000
L29	42	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	1.0000	1.0000
L29	43	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	1.0000	1.0000
L29	45	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	1.0000	1.0000
L29	46	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	1.0000	1.0000

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L29	47	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	1.0000	1.0000
L30	19	AL7-50(1-5/8)	56.75 - 58.00	1.0000	1.0000
L30	22	CU12PSM9P6XXX(1-1/2)	56.75 - 58.00	1.0000	1.0000
L30	24	Safety Line 3/8	56.75 - 58.00	1.0000	1.0000
L30	37	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	38	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	39	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	41	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	42	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L30	43	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	1.0000	1.0000
L31	19	AL7-50(1-5/8)	56.50 - 56.75	1.0000	1.0000
L31	22	CU12PSM9P6XXX(1-1/2)	56.50 - 56.75	1.0000	1.0000
L31	24	Safety Line 3/8	56.50 - 56.75	1.0000	1.0000
L31	37	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	38	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	39	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	41	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	42	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L31	43	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	1.0000	1.0000
L32	19	AL7-50(1-5/8)	55.25 - 56.50	1.0000	1.0000
L32	22	CU12PSM9P6XXX(1-1/2)	55.25 - 56.50	1.0000	1.0000
L32	24	Safety Line 3/8	55.25 - 56.50	1.0000	1.0000
L32	37	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	38	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	39	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	41	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	42	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L32	43	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	1.0000	1.0000
L33	19	AL7-50(1-5/8)	55.00 - 55.25	1.0000	1.0000
L33	22	CU12PSM9P6XXX(1-1/2)	55.00 - 55.25	1.0000	1.0000
L33	24	Safety Line 3/8	55.00 - 55.25	1.0000	1.0000
L33	37	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	38	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	39	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	41	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	42	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000
L33	43	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	1.0000	1.0000

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	Client	Designed by
	Crown Castle	Damodar

<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L34	19	AL7-50(1-5/8)	47.50 - 55.00	1.0000	1.0000
L34	22	CU12PSM9P6XXX(1-1/2)	47.50 - 55.00	1.0000	1.0000
L34	24	Safety Line 3/8	47.50 - 55.00	1.0000	1.0000
L34	37	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	1.0000	1.0000
L34	38	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	1.0000	1.0000
L34	39	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	1.0000	1.0000
L34	41	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	1.0000	1.0000
L34	42	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	1.0000	1.0000
L34	43	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	1.0000	1.0000
L35	19	AL7-50(1-5/8)	47.05 - 47.50	1.0000	1.0000
L35	22	CU12PSM9P6XXX(1-1/2)	47.05 - 47.50	1.0000	1.0000
L35	24	Safety Line 3/8	47.05 - 47.50	1.0000	1.0000
L35	37	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	1.0000	1.0000
L35	38	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	1.0000	1.0000
L35	39	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	1.0000	1.0000
L36	19	AL7-50(1-5/8)	42.05 - 47.05	1.0000	1.0000
L36	22	CU12PSM9P6XXX(1-1/2)	42.05 - 47.05	1.0000	1.0000
L36	24	Safety Line 3/8	42.05 - 47.05	1.0000	1.0000
L36	37	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	1.0000	1.0000
L36	38	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	1.0000	1.0000
L36	39	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	1.0000	1.0000
L37	19	AL7-50(1-5/8)	37.05 - 42.05	1.0000	1.0000
L37	22	CU12PSM9P6XXX(1-1/2)	37.05 - 42.05	1.0000	1.0000
L37	24	Safety Line 3/8	37.05 - 42.05	1.0000	1.0000
L37	33	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	1.0000	1.0000
L37	34	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	1.0000	1.0000
L37	35	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	1.0000	1.0000
L37	37	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	1.0000	1.0000
L37	38	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	1.0000	1.0000
L37	39	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	1.0000	1.0000
L38	19	AL7-50(1-5/8)	34.95 - 37.05	1.0000	1.0000
L38	22	CU12PSM9P6XXX(1-1/2)	34.95 - 37.05	1.0000	1.0000
L38	24	Safety Line 3/8	34.95 - 37.05	1.0000	1.0000
L38	33	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	34	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	35	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	37	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	38	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	1.0000	1.0000
L38	39	Sabre MS-850 (8.5" x 1.25"	34.95 - 37.05	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L39	19	AL7-50(1-5/8) Plate)	34.70 - 34.95	1.0000	1.0000
L39	22	CU12PSM9P6XXX(1-1/2)	34.70 - 34.95	1.0000	1.0000
L39	24	Safety Line 3/8	34.70 - 34.95	1.0000	1.0000
L39	33	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	34	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	35	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	37	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	38	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L39	39	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	1.0000	1.0000
L40	19	AL7-50(1-5/8) Plate)	34.25 - 34.70	1.0000	1.0000
L40	22	CU12PSM9P6XXX(1-1/2)	34.25 - 34.70	1.0000	1.0000
L40	24	Safety Line 3/8	34.25 - 34.70	1.0000	1.0000
L40	33	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	34	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	35	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	37	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	38	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L40	39	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	1.0000	1.0000
L41	19	AL7-50(1-5/8) Plate)	34.00 - 34.25	1.0000	1.0000
L41	22	CU12PSM9P6XXX(1-1/2)	34.00 - 34.25	1.0000	1.0000
L41	24	Safety Line 3/8	34.00 - 34.25	1.0000	1.0000
L41	33	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	34	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	35	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	37	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	38	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L41	39	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	1.0000	1.0000
L42	19	AL7-50(1-5/8) Plate)	29.00 - 34.00	1.0000	1.0000
L42	22	CU12PSM9P6XXX(1-1/2)	29.00 - 34.00	1.0000	1.0000
L42	24	Safety Line 3/8	29.00 - 34.00	1.0000	1.0000
L42	29	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	1.0000	1.0000
L42	30	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	1.0000	1.0000
L42	31	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	1.0000	1.0000
L42	33	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	1.0000	1.0000
L42	34	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	1.0000	1.0000
L42	35	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	1.0000	1.0000
L42	37	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	1.0000	1.0000

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L42	38	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	1.0000	1.0000
L42	39	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	1.0000	1.0000
L43	19	AL7-50(1-5/8)	26.75 - 29.00	1.0000	1.0000
L43	22	CU12PSM9P6XXX(1-1/2)	26.75 - 29.00	1.0000	1.0000
L43	24	Safety Line 3/8	26.75 - 29.00	1.0000	1.0000
L43	29	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	1.0000	1.0000
L43	30	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	1.0000	1.0000
L43	31	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	1.0000	1.0000
L43	33	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	1.0000	1.0000
L43	34	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	1.0000	1.0000
L43	35	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	1.0000	1.0000
L44	19	AL7-50(1-5/8)	26.50 - 26.75	1.0000	1.0000
L44	22	CU12PSM9P6XXX(1-1/2)	26.50 - 26.75	1.0000	1.0000
L44	24	Safety Line 3/8	26.50 - 26.75	1.0000	1.0000
L44	29	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	1.0000	1.0000
L44	30	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	1.0000	1.0000
L44	31	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	1.0000	1.0000
L44	33	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	1.0000	1.0000
L44	34	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	1.0000	1.0000
L44	35	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	1.0000	1.0000
L45	19	AL7-50(1-5/8)	25.25 - 26.50	1.0000	1.0000
L45	22	CU12PSM9P6XXX(1-1/2)	25.25 - 26.50	1.0000	1.0000
L45	24	Safety Line 3/8	25.25 - 26.50	1.0000	1.0000
L45	29	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	1.0000	1.0000
L45	30	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	1.0000	1.0000
L45	31	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	1.0000	1.0000
L45	33	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	1.0000	1.0000
L45	34	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	1.0000	1.0000
L45	35	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	1.0000	1.0000
L46	19	AL7-50(1-5/8)	25.00 - 25.25	1.0000	1.0000
L46	22	CU12PSM9P6XXX(1-1/2)	25.00 - 25.25	1.0000	1.0000
L46	24	Safety Line 3/8	25.00 - 25.25	1.0000	1.0000
L46	29	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	1.0000	1.0000
L46	30	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	1.0000	1.0000
L46	31	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	1.0000	1.0000
L46	33	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	1.0000	1.0000
L46	34	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	1.0000	1.0000

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<i>Tower Section</i>	<i>Feed Line Record No.</i>	<i>Description</i>	<i>Feed Line Segment Elev.</i>	<i>K_o No Ice</i>	<i>K_o Ice</i>
L46	35	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	1.0000	1.0000
L47	19	AL7-50(1-5/8)	20.00 - 25.00	1.0000	1.0000
L47	22	CU12PSM9P6XXX(1-1/2)	20.00 - 25.00	1.0000	1.0000
L47	24	Safety Line 3/8	20.00 - 25.00	1.0000	1.0000
L47	26	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 20.50	1.0000	1.0000
L47	27	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 20.50	1.0000	1.0000
L47	29	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	1.0000	1.0000
L47	30	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	1.0000	1.0000
L47	31	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	1.0000	1.0000
L47	33	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	1.0000	1.0000
L47	34	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	1.0000	1.0000
L47	35	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	1.0000	1.0000
L48	19	AL7-50(1-5/8)	16.75 - 20.00	1.0000	1.0000
L48	22	CU12PSM9P6XXX(1-1/2)	16.75 - 20.00	1.0000	1.0000
L48	24	Safety Line 3/8	16.75 - 20.00	1.0000	1.0000
L48	26	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	27	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	29	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	30	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L48	31	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	1.0000	1.0000
L49	19	AL7-50(1-5/8)	16.50 - 16.75	1.0000	1.0000
L49	22	CU12PSM9P6XXX(1-1/2)	16.50 - 16.75	1.0000	1.0000
L49	24	Safety Line 3/8	16.50 - 16.75	1.0000	1.0000
L49	26	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	27	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	29	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	30	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L49	31	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	1.0000	1.0000
L50	19	AL7-50(1-5/8)	14.25 - 16.50	1.0000	1.0000
L50	22	CU12PSM9P6XXX(1-1/2)	14.25 - 16.50	1.0000	1.0000
L50	24	Safety Line 3/8	14.25 - 16.50	1.0000	1.0000
L50	26	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	27	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	29	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	30	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L50	31	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	1.0000	1.0000
L51	19	AL7-50(1-5/8)	14.00 - 14.25	1.0000	1.0000

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _o No Ice	K _o Ice
L51	22	CU12PSM9P6XXX(1-1/2)	14.00 - 14.25	1.0000	1.0000
L51	24	Safety Line 3/8	14.00 - 14.25	1.0000	1.0000
L51	26	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	27	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	29	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	30	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L51	31	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	1.0000	1.0000
L52	19	AL7-50(1-5/8)	9.00 - 14.00	1.0000	1.0000
L52	22	CU12PSM9P6XXX(1-1/2)	9.00 - 14.00	1.0000	1.0000
L52	24	Safety Line 3/8	9.00 - 14.00	1.0000	1.0000
L52	26	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	1.0000	1.0000
L52	27	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	1.0000	1.0000
L52	29	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	1.0000	1.0000
L52	30	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	1.0000	1.0000
L52	31	Sabre MS-850 (8.5" x 1.25" Plate)	10.50 - 14.00	1.0000	1.0000
L53	19	AL7-50(1-5/8)	4.00 - 9.00	1.0000	1.0000
L53	22	CU12PSM9P6XXX(1-1/2)	4.00 - 9.00	1.0000	1.0000
L53	24	Safety Line 3/8	4.00 - 9.00	1.0000	1.0000
L53	26	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	1.0000	1.0000
L53	27	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	1.0000	1.0000
L53	29	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	1.0000	1.0000
L53	30	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	1.0000	1.0000
L54	19	AL7-50(1-5/8)	0.00 - 4.00	1.0000	1.0000
L54	22	CU12PSM9P6XXX(1-1/2)	0.00 - 4.00	1.0000	1.0000
L54	24	Safety Line 3/8	0.00 - 4.00	1.0000	1.0000
L54	26	Sabre MS-850 (8.5" x 1.25" Plate)	0.00 - 4.00	1.0000	1.0000
L54	27	Sabre MS-850 (8.5" x 1.25" Plate)	0.00 - 4.00	1.0000	1.0000
L54	29	Sabre MS-850 (8.5" x 1.25" Plate)	0.00 - 4.00	1.0000	1.0000
L54	30	Sabre MS-850 (8.5" x 1.25" Plate)	0.00 - 4.00	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
L5	57	MP3-03 (Surface Af)	126.00 -	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L5	58	MP3-03 (Surface Af)	126.50 126.00 - 126.50	Auto	0.0000
L5	59	MP3-03 (Surface Af)	126.00 - 126.50	Auto	0.0000
L6	57	MP3-03 (Surface Af)	121.00 - 126.00	Auto	0.0000
L6	58	MP3-03 (Surface Af)	121.00 - 126.00	Auto	0.0000
L6	59	MP3-03 (Surface Af)	121.00 - 126.00	Auto	0.0000
L7	53	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	Auto	0.0488
L7	54	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	Auto	0.0488
L7	55	Sabre MS-600 (6" x 1" Plate)	118.50 - 120.50	Auto	0.0488
L7	57	MP3-03 (Surface Af)	118.50 - 121.00	Auto	0.0000
L7	58	MP3-03 (Surface Af)	118.50 - 121.00	Auto	0.0000
L7	59	MP3-03 (Surface Af)	118.50 - 121.00	Auto	0.0000
L8	53	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	Auto	0.1622
L8	54	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	Auto	0.1622
L8	55	Sabre MS-600 (6" x 1" Plate)	118.25 - 118.50	Auto	0.1622
L8	57	MP3-03 (Surface Af)	118.25 - 118.50	Auto	0.0000
L8	58	MP3-03 (Surface Af)	118.25 - 118.50	Auto	0.0000
L8	59	MP3-03 (Surface Af)	118.25 - 118.50	Auto	0.0000
L9	53	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	Auto	0.1347
L9	54	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	Auto	0.1347
L9	55	Sabre MS-600 (6" x 1" Plate)	113.25 - 118.25	Auto	0.1347
L9	57	MP3-03 (Surface Af)	116.50 - 118.25	Auto	0.0000
L9	58	MP3-03 (Surface Af)	116.50 - 118.25	Auto	0.0000
L9	59	MP3-03 (Surface Af)	116.50 - 118.25	Auto	0.0000
L10	53	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	Auto	0.0873
L10	54	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	Auto	0.0873
L10	55	Sabre MS-600 (6" x 1" Plate)	108.25 - 113.25	Auto	0.0873
L11	53	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	Auto	0.0427
L11	54	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	Auto	0.0427
L11	55	Sabre MS-600 (6" x 1" Plate)	103.25 - 108.25	Auto	0.0427
L12	53	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	Auto	0.0038
L12	54	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	Auto	0.0038

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L12	55	Sabre MS-600 (6" x 1" Plate)	97.50 - 103.25	Auto	0.0038
L13	49	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	Auto	0.0243
L13	50	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	Auto	0.0243
L13	51	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.00	Auto	0.0243
L13	53	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	Auto	0.0263
L13	54	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	Auto	0.0263
L13	55	Sabre MS-600 (6" x 1" Plate)	95.95 - 97.50	Auto	0.0263
L14	49	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	50	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	51	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	53	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	54	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L14	55	Sabre MS-600 (6" x 1" Plate)	95.00 - 95.95	Auto	0.0160
L15	49	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	50	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	51	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	53	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	54	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L15	55	Sabre MS-600 (6" x 1" Plate)	94.75 - 95.00	Auto	0.1227
L16	49	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	50	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	51	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	53	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	54	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L16	55	Sabre MS-600 (6" x 1" Plate)	92.50 - 94.75	Auto	0.1068
L17	49	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	50	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	51	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	53	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	54	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L17	55	Sabre MS-600 (6" x 1" Plate)	92.25 - 92.50	Auto	0.0000
L18	45	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	Auto	0.0381
L18	46	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	Auto	0.0381
L18	47	Sabre MS-650 (6.5" x 1.25" Plate)	87.75 - 90.50	Auto	0.0381
L18	49	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	Auto	0.0000
L18	50	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	Auto	0.0000
L18	51	Sabre MS-600 (6" x 1" Plate)	87.75 - 92.25	Auto	0.0000
L18	53	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	Auto	0.0000
L18	54	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	Auto	0.0000
L18	55	Sabre MS-600 (6" x 1" Plate)	90.50 - 92.25	Auto	0.0000
L19	45	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	Auto	0.1607
L19	46	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	Auto	0.1607
L19	47	Sabre MS-650 (6.5" x 1.25" Plate)	87.50 - 87.75	Auto	0.1607
L19	49	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	Auto	0.0908
L19	50	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	Auto	0.0908
L19	51	Sabre MS-600 (6" x 1" Plate)	87.50 - 87.75	Auto	0.0908
L20	45	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	Auto	0.1413
L20	46	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	Auto	0.1413
L20	47	Sabre MS-650 (6.5" x 1.25" Plate)	84.00 - 87.50	Auto	0.1413
L20	49	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	Auto	0.0697
L20	50	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	Auto	0.0697
L20	51	Sabre MS-600 (6" x 1" Plate)	84.00 - 87.50	Auto	0.0697

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L21	45	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	Auto	0.0290
L21	46	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	Auto	0.0290
L21	47	Sabre MS-650 (6.5" x 1.25" Plate)	83.75 - 84.00	Auto	0.0290
L21	49	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	Auto	0.0000
L21	50	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	Auto	0.0000
L21	51	Sabre MS-600 (6" x 1" Plate)	83.75 - 84.00	Auto	0.0000
L22	45	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	Auto	0.0069
L22	46	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	Auto	0.0069
L22	47	Sabre MS-650 (6.5" x 1.25" Plate)	78.75 - 83.75	Auto	0.0069
L22	49	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	Auto	0.0000
L22	50	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	Auto	0.0000
L22	51	Sabre MS-600 (6" x 1" Plate)	82.00 - 83.75	Auto	0.0000
L23	45	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	Auto	0.0000
L23	46	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	Auto	0.0000
L23	47	Sabre MS-650 (6.5" x 1.25" Plate)	73.75 - 78.75	Auto	0.0000
L24	45	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	Auto	0.0000
L24	46	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	Auto	0.0000
L24	47	Sabre MS-650 (6.5" x 1.25" Plate)	68.75 - 73.75	Auto	0.0000
L25	41	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	Auto	0.0000
L25	42	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	Auto	0.0000
L25	43	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 67.50	Auto	0.0000
L25	45	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	Auto	0.0000
L25	46	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	Auto	0.0000
L25	47	Sabre MS-650 (6.5" x 1.25" Plate)	64.75 - 68.75	Auto	0.0000
L26	41	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	42	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	43	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	45	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	46	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L26	47	Sabre MS-650 (6.5" x 1.25" Plate)	64.50 - 64.75	Auto	0.0000
L27	41	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L27	42	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L27	43	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L27	45	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000

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<i>Tower Section</i>	<i>Attachment Record No.</i>	<i>Description</i>	<i>Attachment Segment Elev.</i>	<i>Ratio Calculation Method</i>	<i>Effective Width Ratio</i>
L27	46	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L27	47	Sabre MS-650 (6.5" x 1.25" Plate)	63.25 - 64.50	Auto	0.0000
L28	41	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	42	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	43	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	45	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	46	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L28	47	Sabre MS-650 (6.5" x 1.25" Plate)	63.00 - 63.25	Auto	0.0000
L29	37	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	Auto	0.0982
L29	38	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	Auto	0.0982
L29	39	Sabre MS-850 (8.5" x 1.25" Plate)	58.00 - 60.50	Auto	0.0982
L29	41	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	Auto	0.0000
L29	42	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	Auto	0.0000
L29	43	Sabre MS-650 (6.5" x 1.25" Plate)	58.00 - 63.00	Auto	0.0000
L29	45	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	Auto	0.0000
L29	46	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	Auto	0.0000
L29	47	Sabre MS-650 (6.5" x 1.25" Plate)	60.50 - 63.00	Auto	0.0000
L30	37	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0873
L30	38	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0873
L30	39	Sabre MS-850 (8.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0873
L30	41	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0000
L30	42	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0000
L30	43	Sabre MS-650 (6.5" x 1.25" Plate)	56.75 - 58.00	Auto	0.0000
L31	37	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.1932
L31	38	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.1932
L31	39	Sabre MS-850 (8.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.1932
L31	41	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.0000
L31	42	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.0000
L31	43	Sabre MS-650 (6.5" x 1.25" Plate)	56.50 - 56.75	Auto	0.0000
L32	37	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.1889

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L32	38	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.1889
L32	39	Sabre MS-850 (8.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.1889
L32	41	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.0000
L32	42	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.0000
L32	43	Sabre MS-650 (6.5" x 1.25" Plate)	55.25 - 56.50	Auto	0.0000
L33	37	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0978
L33	38	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0978
L33	39	Sabre MS-850 (8.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0978
L33	41	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0000
L33	42	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0000
L33	43	Sabre MS-650 (6.5" x 1.25" Plate)	55.00 - 55.25	Auto	0.0000
L34	37	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	Auto	0.0752
L34	38	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	Auto	0.0752
L34	39	Sabre MS-850 (8.5" x 1.25" Plate)	47.50 - 55.00	Auto	0.0752
L34	41	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	Auto	0.0000
L34	42	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	Auto	0.0000
L34	43	Sabre MS-650 (6.5" x 1.25" Plate)	52.50 - 55.00	Auto	0.0000
L35	37	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	Auto	0.0908
L35	38	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	Auto	0.0908
L35	39	Sabre MS-850 (8.5" x 1.25" Plate)	47.05 - 47.50	Auto	0.0908
L36	37	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	Auto	0.0706
L36	38	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	Auto	0.0706
L36	39	Sabre MS-850 (8.5" x 1.25" Plate)	42.05 - 47.05	Auto	0.0706
L37	33	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	Auto	0.0268
L37	34	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	Auto	0.0268
L37	35	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 38.70	Auto	0.0268
L37	37	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	Auto	0.0368
L37	38	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	Auto	0.0368
L37	39	Sabre MS-850 (8.5" x 1.25" Plate)	37.05 - 42.05	Auto	0.0368
L38	33	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	34	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157

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L38	35	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	37	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	38	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L38	39	Sabre MS-850 (8.5" x 1.25" Plate)	34.95 - 37.05	Auto	0.0157
L39	33	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	34	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	35	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	37	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	38	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L39	39	Sabre MS-850 (8.5" x 1.25" Plate)	34.70 - 34.95	Auto	0.1072
L40	33	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	34	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	35	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	37	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	38	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L40	39	Sabre MS-850 (8.5" x 1.25" Plate)	34.25 - 34.70	Auto	0.1011
L41	33	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	34	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	35	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	37	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	38	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L41	39	Sabre MS-850 (8.5" x 1.25" Plate)	34.00 - 34.25	Auto	0.0045
L42	29	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	Auto	0.0000
L42	30	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	Auto	0.0000
L42	31	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 30.50	Auto	0.0000
L42	33	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	Auto	0.0000
L42	34	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	Auto	0.0000
L42	35	Sabre MS-850 (8.5" x 1.25" Plate)	29.00 - 34.00	Auto	0.0000
L42	37	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	Auto	0.0000
L42	38	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	Auto	0.0000

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<i>Tower Section</i>	<i>Attachment Record No.</i>	<i>Description</i>	<i>Attachment Segment Elev.</i>	<i>Ratio Calculation Method</i>	<i>Effective Width Ratio</i>
L42	39	Sabre MS-850 (8.5" x 1.25" Plate)	30.50 - 34.00	Auto	0.0000
L43	29	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	30	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	31	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	33	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	34	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L43	35	Sabre MS-850 (8.5" x 1.25" Plate)	26.75 - 29.00	Auto	0.0000
L44	29	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	30	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	31	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	33	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	34	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L44	35	Sabre MS-850 (8.5" x 1.25" Plate)	26.50 - 26.75	Auto	0.0464
L45	29	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	30	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	31	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	33	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	34	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L45	35	Sabre MS-850 (8.5" x 1.25" Plate)	25.25 - 26.50	Auto	0.0420
L46	29	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	30	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	31	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	33	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	34	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L46	35	Sabre MS-850 (8.5" x 1.25" Plate)	25.00 - 25.25	Auto	0.0000
L47	26	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 20.50	Auto	0.0000
L47	27	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 20.50	Auto	0.0000
L47	29	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	Auto	0.0000
L47	30	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	Auto	0.0000
L47	31	Sabre MS-850 (8.5" x 1.25" Plate)	20.00 - 25.00	Auto	0.0000
L47	33	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	Auto	0.0000

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<i>Tower Section</i>	<i>Attachment Record No.</i>	<i>Description</i>	<i>Attachment Segment Elev.</i>	<i>Ratio Calculation Method</i>	<i>Effective Width Ratio</i>
L47	34	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	Auto	0.0000
L47	35	Sabre MS-850 (8.5" x 1.25" Plate)	21.50 - 25.00	Auto	0.0000
L48	26	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L48	27	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L48	29	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L48	30	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L48	31	Sabre MS-850 (8.5" x 1.25" Plate)	16.75 - 20.00	Auto	0.0000
L49	26	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L49	27	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L49	29	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L49	30	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L49	31	Sabre MS-850 (8.5" x 1.25" Plate)	16.50 - 16.75	Auto	0.0000
L50	26	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L50	27	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L50	29	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L50	30	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L50	31	Sabre MS-850 (8.5" x 1.25" Plate)	14.25 - 16.50	Auto	0.0000
L51	26	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L51	27	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L51	29	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L51	30	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L51	31	Sabre MS-850 (8.5" x 1.25" Plate)	14.00 - 14.25	Auto	0.0000
L52	26	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	Auto	0.0000
L52	27	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	Auto	0.0000
L52	29	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	Auto	0.0000
L52	30	Sabre MS-850 (8.5" x 1.25" Plate)	9.00 - 14.00	Auto	0.0000
L52	31	Sabre MS-850 (8.5" x 1.25" Plate)	10.50 - 14.00	Auto	0.0000
L53	26	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	Auto	0.0000
L53	27	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	Auto	0.0000
L53	29	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	Auto	0.0000

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Tower Section	Attachment Record No.	Description	Attachment Segment Elev.	Ratio Calculation Method	Effective Width Ratio
L53	30	Sabre MS-850 (8.5" x 1.25" Plate)	4.00 - 9.00	Auto	0.0000
L54	26	Sabre MS-850 (8.5" x 1.25" Plate)	0.00 - 4.00	Auto	0.0000
L54	27	Sabre MS-850 (8.5" x 1.25" Plate)	0.00 - 4.00	Auto	0.0000
L54	29	Sabre MS-850 (8.5" x 1.25" Plate)	0.00 - 4.00	Auto	0.0000
L54	30	Sabre MS-850 (8.5" x 1.25" Plate)	0.00 - 4.00	Auto	0.0000

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
Lightning Rod 5/8" x 4' on 4' Pole	C	From Leg	0.500 0.000 3.500	0.000	151.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.387 2.131 2.702 3.773	1.387 2.131 2.702 3.773	0.066 0.087 0.112 0.175
* DS1F03F36D-N	A	From Leg	4.000 0.000 12.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	7.104 9.359 11.631 16.224	7.104 9.359 11.631 16.224	0.071 0.122 0.186 0.358
* 800 10121 w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.000 4.420 5.290	2.950 3.340 3.740 4.590	0.072 0.115 0.166 0.297
800 10121 w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.000 4.420 5.290	2.950 3.340 3.740 4.590	0.072 0.115 0.166 0.297
800 10121 w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.000 4.420 5.290	2.950 3.340 3.740 4.590	0.072 0.115 0.166 0.297
OPA65R-BU6D w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.000 13.760 15.340	6.050 6.710 7.390 8.790	0.089 0.176 0.275 0.508
OPA65R-BU6D w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.000 13.760 15.340	6.050 6.710 7.390 8.790	0.089 0.176 0.275 0.508
OPA65R-BU6D w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	12.250 13.000 13.760 15.340	6.050 6.710 7.390 8.790	0.089 0.176 0.275 0.508

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
DMP65R-BU6D w/ Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.960 12.700 13.460 15.020	5.970 6.630 7.300 8.690	0.115 0.201 0.298 0.529
DMP65R-BU6D w/ Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.960 12.700 13.460 15.020	5.970 6.630 7.300 8.690	0.115 0.201 0.298 0.529
DMP65R-BU6D w/ Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	11.960 12.700 13.460 15.020	5.970 6.630 7.300 8.690	0.115 0.201 0.298 0.529
(2) LGP21401	A	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21401	B	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
(2) LGP21401	C	From Leg	4.000 0.000 1.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.104 1.239 1.381 1.688	0.207 0.274 0.348 0.521	0.014 0.021 0.030 0.055
RRUS 4478 B14_CCIV2	A	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS 4478 B14_CCIV2	B	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS 4478 B14_CCIV2	C	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.021 2.200 2.386 2.780	1.246 1.396 1.554 1.891	0.059 0.077 0.097 0.147
RRUS 8843 B2/B66A_CCIV2	A	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.980 2.157 2.341 2.733	1.695 1.861 2.035 2.405	0.075 0.096 0.119 0.176
RRUS 8843 B2/B66A_CCIV2	B	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.980 2.157 2.341 2.733	1.695 1.861 2.035 2.405	0.075 0.096 0.119 0.176
RRUS 8843 B2/B66A_CCIV2	C	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.980 2.157 2.341 2.733	1.695 1.861 2.035 2.405	0.075 0.096 0.119 0.176
RRUS 4449 B5/B12	A	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
RRUS 4449 B5/B12	B	From Leg	4.000 0.000 3.000	0.000	148.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.968 2.144 2.328 2.718	1.408 1.564 1.727 2.075	0.071 0.090 0.111 0.163
RRUS 4449 B5/B12	C	From Leg	4.000	0.000	148.000	No Ice	1.968	1.408	0.071

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.000			1/2" Ice	2.144	1.564	0.090
			3.000			1" Ice	2.328	1.727	0.111
						2" Ice	2.718	2.075	0.163
DC6-48-60-18-8F	A	From Leg	2.000	0.000	148.000	No Ice	1.212	1.212	0.033
			0.000			1/2" Ice	1.892	1.892	0.055
			3.000			1" Ice	2.105	2.105	0.080
						2" Ice	2.570	2.570	0.138
DC6-48-60-18-8C-EV	B	From Leg	2.000	0.000	148.000	No Ice	2.736	2.736	0.026
			0.000			1/2" Ice	2.962	2.962	0.052
			3.000			1" Ice	3.195	3.195	0.082
						2" Ice	3.683	3.683	0.152
DC6-48-60-18-8C-EV	C	From Leg	2.000	0.000	148.000	No Ice	2.736	2.736	0.026
			0.000			1/2" Ice	2.962	2.962	0.052
			3.000			1" Ice	3.195	3.195	0.082
						2" Ice	3.683	3.683	0.152
(3) 5' x 2" Pipe Mount	A	From Leg	4.000	0.000	148.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
(3) 5' x 2" Pipe Mount	B	From Leg	4.000	0.000	148.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
(3) 5' x 2" Pipe Mount	C	From Leg	4.000	0.000	148.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			0.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
6' x 2" Mount Pipe	A	From Leg	2.000	0.000	148.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			1.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	B	From Leg	2.000	0.000	148.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			1.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	C	From Leg	2.000	0.000	148.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			1.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	148.000	No Ice	1.425	1.425	0.022
			0.000			1/2" Ice	1.925	1.925	0.033
			6.000			1" Ice	2.294	2.294	0.048
						2" Ice	3.060	3.060	0.090
5' x 2" Pipe Mount	A	From Leg	4.000	0.000	148.000	No Ice	1.188	1.188	0.018
			0.000			1/2" Ice	1.496	1.496	0.027
			6.000			1" Ice	1.807	1.807	0.040
						2" Ice	2.458	2.458	0.076
12' x 2.5" Pipe Mount	A	From Leg	4.000	0.000	148.000	No Ice	3.450	3.450	0.069
			0.000			1/2" Ice	4.682	4.682	0.095
			6.000			1" Ice	5.931	5.931	0.128
						2" Ice	7.934	7.934	0.217
(2) L3x3x1/4x5'	A	From Leg	4.000	0.000	148.000	No Ice	1.500	0.008	0.062
			0.000			1/2" Ice	1.854	0.030	0.070
			0.000			1" Ice	2.215	0.058	0.083
						2" Ice	2.959	0.138	0.122
(2) L3x3x1/4x5'	B	From Leg	4.000	0.000	148.000	No Ice	1.500	0.008	0.062
			0.000			1/2" Ice	1.854	0.030	0.070

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
			0.000			1" Ice	2.215	0.058	0.083
						2" Ice	2.959	0.138	0.122
(2) L3x3x1/4x5'	C	From Leg	4.000	0.000	148.000	No Ice	1.500	0.008	0.062
			0.000			1/2" Ice	1.854	0.030	0.070
			0.000			1" Ice	2.215	0.058	0.083
						2" Ice	2.959	0.138	0.122
8' x 2" Mount Pipe	B	From Leg	4.000	0.000	148.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			1.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
8' x 2" Mount Pipe	C	From Leg	4.000	0.000	148.000	No Ice	1.900	1.900	0.029
			0.000			1/2" Ice	2.728	2.728	0.044
			1.000			1" Ice	3.401	3.401	0.063
						2" Ice	4.396	4.396	0.119
Platform Mount [LP 713-1_KCKR]	C	None		0.000	148.000	No Ice	44.110	44.110	1.785
						1/2" Ice	49.980	49.980	2.645
						1" Ice	56.150	56.150	3.624
						2" Ice	69.510	69.510	5.949
L3x3x1/4x4'	A	From Leg	3.000	0.000	148.000	No Ice	1.200	0.008	0.061
			0.000			1/2" Ice	1.487	0.030	0.068
			2.000			1" Ice	1.781	0.058	0.078
						2" Ice	2.393	0.138	0.110
L3x3x1/4x4'	B	From Leg	3.000	0.000	148.000	No Ice	1.200	0.008	0.061
			0.000			1/2" Ice	1.487	0.030	0.068
			2.000			1" Ice	1.781	0.058	0.078
						2" Ice	2.393	0.138	0.110
L3x3x1/4x4'	C	From Leg	3.000	0.000	148.000	No Ice	1.200	0.008	0.061
			0.000			1/2" Ice	1.487	0.030	0.068
			2.000			1" Ice	1.781	0.058	0.078
						2" Ice	2.393	0.138	0.110
*									
(2) NHH-65C-R2B	A	From Leg	4.000	0.000	138.000	No Ice	5.670	3.400	0.052
			0.000			1/2" Ice	6.200	3.910	0.117
			1.000			1" Ice	6.740	4.420	0.190
						2" Ice	7.850	5.490	0.361
(2) NHH-65C-R2B	B	From Leg	4.000	0.000	138.000	No Ice	5.670	3.400	0.052
			0.000			1/2" Ice	6.200	3.910	0.117
			1.000			1" Ice	6.740	4.420	0.190
						2" Ice	7.850	5.490	0.361
(2) NHH-65C-R2B	C	From Leg	4.000	0.000	138.000	No Ice	5.670	3.400	0.052
			0.000			1/2" Ice	6.200	3.910	0.117
			1.000			1" Ice	6.740	4.420	0.190
						2" Ice	7.850	5.490	0.361
DB854DG65ESX w/ Mount Pipe	A	From Leg	4.000	0.000	138.000	No Ice	5.548	4.100	0.037
			0.000			1/2" Ice	5.941	4.728	0.084
			1.000			1" Ice	6.342	5.356	0.137
						2" Ice	7.168	6.643	0.264
DB854DG65ESX w/ Mount Pipe	B	From Leg	4.000	0.000	138.000	No Ice	5.548	4.100	0.037
			0.000			1/2" Ice	5.941	4.728	0.084
			1.000			1" Ice	6.342	5.356	0.137
						2" Ice	7.168	6.643	0.264
DB854DG65ESX w/ Mount Pipe	C	From Leg	4.000	0.000	138.000	No Ice	5.548	4.100	0.037
			0.000			1/2" Ice	5.941	4.728	0.084
			1.000			1" Ice	6.342	5.356	0.137
						2" Ice	7.168	6.643	0.264
RFV01U-D1A	A	From Leg	4.000	0.000	138.000	No Ice	1.875	1.250	0.084
			0.000			1/2" Ice	2.045	1.393	0.103

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			1.000			1" Ice 2.223	1.543	0.124
						2" Ice 2.601	1.865	0.175
RFV01U-D1A	B	From Leg	4.000	0.000	138.000	No Ice 1.875	1.250	0.084
			0.000			1/2" Ice 2.045	1.393	0.103
			1.000			1" Ice 2.223	1.543	0.124
						2" Ice 2.601	1.865	0.175
RFV01U-D1A	C	From Leg	4.000	0.000	138.000	No Ice 1.875	1.250	0.084
			0.000			1/2" Ice 2.045	1.393	0.103
			1.000			1" Ice 2.223	1.543	0.124
						2" Ice 2.601	1.865	0.175
RFV01U-D2A	A	From Leg	4.000	0.000	138.000	No Ice 1.875	1.013	0.070
			0.000			1/2" Ice 2.045	1.145	0.087
			1.000			1" Ice 2.223	1.284	0.106
						2" Ice 2.601	1.585	0.153
RFV01U-D2A	B	From Leg	4.000	0.000	138.000	No Ice 1.875	1.013	0.070
			0.000			1/2" Ice 2.045	1.145	0.087
			1.000			1" Ice 2.223	1.284	0.106
						2" Ice 2.601	1.585	0.153
RFV01U-D2A	C	From Leg	4.000	0.000	138.000	No Ice 1.875	1.013	0.070
			0.000			1/2" Ice 2.045	1.145	0.087
			1.000			1" Ice 2.223	1.284	0.106
						2" Ice 2.601	1.585	0.153
MT6407-77A w/ Mount Pipe	A	From Leg	4.000	0.000	138.000	No Ice 4.907	2.682	0.096
			0.000			1/2" Ice 5.256	3.145	0.136
			1.000			1" Ice 5.615	3.624	0.180
						2" Ice 6.362	4.631	0.288
MT6407-77A w/ Mount Pipe	B	From Leg	4.000	0.000	138.000	No Ice 4.907	2.682	0.096
			0.000			1/2" Ice 5.256	3.145	0.136
			1.000			1" Ice 5.615	3.624	0.180
						2" Ice 6.362	4.631	0.288
MT6407-77A w/ Mount Pipe	C	From Leg	4.000	0.000	138.000	No Ice 4.907	2.682	0.096
			0.000			1/2" Ice 5.256	3.145	0.136
			1.000			1" Ice 5.615	3.624	0.180
						2" Ice 6.362	4.631	0.288
RVZDC-6627-PF-48	A	From Leg	4.000	0.000	138.000	No Ice 3.792	2.514	0.032
			0.000			1/2" Ice 4.044	2.727	0.063
			1.000			1" Ice 4.303	2.947	0.099
						2" Ice 4.844	3.417	0.181
6' x 2" Mount Pipe	A	From Leg	4.000	0.000	138.000	No Ice 1.425	1.425	0.022
			0.000			1/2" Ice 1.925	1.925	0.033
			1.000			1" Ice 2.294	2.294	0.048
						2" Ice 3.060	3.060	0.090
6' x 2" Mount Pipe	B	From Leg	4.000	0.000	138.000	No Ice 1.425	1.425	0.022
			0.000			1/2" Ice 1.925	1.925	0.033
			1.000			1" Ice 2.294	2.294	0.048
						2" Ice 3.060	3.060	0.090
6' x 2" Mount Pipe	C	From Leg	4.000	0.000	138.000	No Ice 1.425	1.425	0.022
			0.000			1/2" Ice 1.925	1.925	0.033
			1.000			1" Ice 2.294	2.294	0.048
						2" Ice 3.060	3.060	0.090
6' x 2" Horizontal Mount Pipe	A	From Leg	3.000	0.000	138.000	No Ice 1.140	0.010	0.016
			0.000			1/2" Ice 1.760	0.040	0.025
			2.000			1" Ice 2.140	0.090	0.038
						2" Ice 2.900	0.210	0.077
6' x 2" Horizontal Mount Pipe	B	From Leg	3.000	0.000	138.000	No Ice 1.140	0.010	0.016
			0.000			1/2" Ice 1.760	0.040	0.025
			2.000			1" Ice 2.140	0.090	0.038

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
6' x 2" Horizontal Mount Pipe	C	From Leg	3.000 0.000 2.000	0.000	138.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	2.900 1.140 1.760 2.140 2.900	0.210 0.010 0.040 0.090 0.210	0.077 0.016 0.025 0.038 0.077
(2) L 2.5x2.5x3/16x4.75'	A	From Leg	4.000 0.000 0.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.250 1.601 1.959 2.698	0.005 0.024 0.049 0.123	0.025 0.032 0.044 0.081
(2) L 2.5x2.5x3/16x4.75'	B	From Leg	4.000 0.000 0.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.250 1.601 1.959 2.698	0.005 0.024 0.049 0.123	0.025 0.032 0.044 0.081
(2) L 2.5x2.5x3/16x4.75'	C	From Leg	4.000 0.000 0.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.250 1.601 1.959 2.698	0.005 0.024 0.049 0.123	0.025 0.032 0.044 0.081
8' x 3" Mount Pipe	A	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.400 3.188 3.675 4.676	2.400 3.188 3.675 4.676	0.041 0.058 0.081 0.143
8' x 3" Mount Pipe	B	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.400 3.188 3.675 4.676	2.400 3.188 3.675 4.676	0.041 0.058 0.081 0.143
8' x 3" Mount Pipe	C	From Leg	4.000 0.000 1.000	0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.400 3.188 3.675 4.676	2.400 3.188 3.675 4.676	0.041 0.058 0.081 0.143
Platform Mount [LP 303-1_HR-1]	C	None		0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	17.090 21.470 25.720 33.960	17.090 21.470 25.720 33.960	1.495 1.881 2.346 3.518
Side Arm Mount [SO 102-3]	C	None		0.000	138.000	No Ice 1/2" Ice 1" Ice 2" Ice	3.600 4.180 4.750 5.900	3.600 4.180 4.750 5.900	0.075 0.105 0.135 0.195
*									
800 EXTERNAL NOTCH FILTER	A	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.660 0.763 0.873 1.115	0.289 0.364 0.446 0.633	0.011 0.017 0.024 0.044
800 EXTERNAL NOTCH FILTER	B	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.660 0.763 0.873 1.115	0.289 0.364 0.446 0.633	0.011 0.017 0.024 0.044
800 EXTERNAL NOTCH FILTER	C	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.660 0.763 0.873 1.115	0.289 0.364 0.446 0.633	0.011 0.017 0.024 0.044
1900MHz RRH	A	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.492 2.695 2.906 3.351	3.258 3.484 3.718 4.206	0.044 0.075 0.110 0.192
1900MHZ RRH	B	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice	2.492 2.695 2.906	3.258 3.484 3.718	0.044 0.075 0.110

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
1900MHZ RRH	C	From Leg	1.000 0.000 -1.000	0.000	132.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.351 2.492 2.695 2.906 3.351	4.206 3.258 3.484 3.718 4.206	0.192 0.044 0.075 0.110 0.192
800MHZ RRH	A	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
800MHZ RRH	B	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
800MHZ RRH	C	From Leg	1.000 0.000 -1.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.134 2.320 2.512 2.920	1.773 1.946 2.127 2.510	0.053 0.074 0.098 0.157
4' x 2" Pipe Mount	A	From Leg	1.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
4' x 2" Pipe Mount	B	From Leg	1.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
4' x 2" Pipe Mount	C	From Leg	1.000 0.000 0.000	0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.785 1.028 1.281 1.814	0.785 1.028 1.281 1.814	0.029 0.035 0.044 0.072
Side Arm Mount [SO 104-3]	C	None		0.000	132.000	No Ice 1/2" Ice 1" Ice 2" Ice	2.620 3.300 3.980 5.350	2.620 3.300 3.980 5.350	0.288 0.408 0.528 0.768
*									
GPS-TMG-HR-26NCM	A	From Leg	4.000 0.000 3.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.133 0.183 0.239 0.375	0.133 0.183 0.239 0.375	0.001 0.002 0.005 0.014
APXVSPP18-C-A20 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.600 5.050 5.500 6.440	4.010 4.450 4.890 5.820	0.095 0.160 0.235 0.419
APXVSPP18-C-A20 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.600 5.050 5.500 6.440	4.010 4.450 4.890 5.820	0.095 0.160 0.235 0.419
APXVSPP18-C-A20 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.600 5.050 5.500 6.440	4.010 4.450 4.890 5.820	0.095 0.160 0.235 0.419
APXVTM14-C-120 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.090 4.480 4.880 5.710	2.860 3.230 3.610 4.400	0.077 0.127 0.185 0.331
APXVTM14-C-120 w/ Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	No Ice 1/2" Ice 1" Ice	4.090 4.480 4.880	2.860 3.230 3.610	0.077 0.127 0.185

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft		C _A A _A Front ft ²	C _A A _A Side ft ²	Weight K
APXVTM14-C-120 w/ Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	5.710 4.090 4.480 4.880 5.710	4.400 2.860 3.230 3.610 4.400	0.331 0.077 0.127 0.185 0.331
TD-RRH8X20-25	A	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.704 3.946 3.946 4.196 4.717	1.294 1.465 1.465 1.642 2.019	0.066 0.090 0.117 0.183
TD-RRH8X20-25	B	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.704 3.946 3.946 4.196 4.717	1.294 1.465 1.465 1.642 2.019	0.066 0.090 0.117 0.183
TD-RRH8X20-25	C	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.704 3.946 3.946 4.196 4.717	1.294 1.465 1.465 1.642 2.019	0.066 0.090 0.117 0.183
6' x 2" Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.060 1.425 1.925 2.294 3.060	3.060 1.425 1.925 2.294 3.060	0.090 0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	B	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.060 1.425 1.925 2.294 3.060	3.060 1.425 1.925 2.294 3.060	0.090 0.022 0.033 0.048 0.090
6' x 2" Mount Pipe	C	From Leg	4.000 0.000 0.000	0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.060 1.425 1.925 2.294 3.060	3.060 1.425 1.925 2.294 3.060	0.090 0.022 0.033 0.048 0.090
T-Arm Mount [TA 602-3]	C	None		0.000	130.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	3.060 13.400 16.440 19.700 25.860	3.060 13.400 16.440 19.700 25.860	0.090 0.774 1.004 1.292 2.053
*									
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	A	From Leg	3.000 0.000 1.000	0.000	122.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	4.430 3.140 3.450 3.770 4.430	3.840 2.590 2.880 3.190 3.840	0.374 0.111 0.163 0.224 0.374
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	B	From Leg	3.000 0.000 1.000	0.000	122.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	4.430 3.140 3.450 3.770 4.430	3.840 2.590 2.880 3.190 3.840	0.374 0.111 0.163 0.224 0.374
ERICSSON AIR 21 B4A B2P w/ Mount Pipe	C	From Leg	3.000 0.000 1.000	0.000	122.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	4.430 3.140 3.450 3.770 4.430	3.840 2.590 2.880 3.190 3.840	0.374 0.111 0.163 0.224 0.374
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	A	From Leg	3.000 0.000 0.000	0.000	122.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	17.820 14.690 15.460 16.230 17.820	9.670 6.870 7.550 8.250 9.670	0.782 0.183 0.311 0.453 0.782
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	B	From Leg	3.000 0.000 0.000	0.000	122.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	17.820 14.690 15.460 16.230 17.820	9.670 6.870 7.550 8.250 9.670	0.782 0.183 0.311 0.453 0.782
APXVAALL24_43-U-NA20 _TMO w/ Mount Pipe	C	From Leg	3.000 0.000 0.000	0.000	122.000	2" Ice No Ice 1/2" Ice 1" Ice	17.820 14.690 15.460 16.230	9.670 6.870 7.550 8.250	0.782 0.183 0.311 0.453

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RADIO 4449 B71 B85A_T-MOBILE	A	From Leg	3.000 0.000 0.000	0.000	122.000	2" Ice No Ice 1/2" Ice 1" Ice 2" Ice	17.820 1.970 2.147 2.331 2.721	9.670 1.587 1.749 1.918 2.280	0.782 0.073 0.093 0.116 0.170
RADIO 4449 B71 B85A_T-MOBILE	B	From Leg	3.000 0.000 0.000	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
RADIO 4449 B71 B85A_T-MOBILE	C	From Leg	3.000 0.000 0.000	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.970 2.147 2.331 2.721	1.587 1.749 1.918 2.280	0.073 0.093 0.116 0.170
6' x 2.375" Horizontal Mount Pipe	A	From Leg	3.000 0.000 1.500	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.028 0.039 0.054 0.096
6' x 2.375" Horizontal Mount Pipe	B	From Leg	3.000 0.000 1.500	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.028 0.039 0.054 0.096
6' x 2.375" Horizontal Mount Pipe	C	From Leg	3.000 0.000 1.500	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	1.425 1.925 2.294 3.060	1.425 1.925 2.294 3.060	0.028 0.039 0.054 0.096
4' x 2.375" horizontal mount pipe	A	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.866 1.111 1.365 1.901	0.866 1.111 1.365 1.901	0.030 0.037 0.047 0.077
4' x 2.375" horizontal mount pipe	B	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.866 1.111 1.365 1.901	0.866 1.111 1.365 1.901	0.030 0.037 0.047 0.077
4' x 2.375" horizontal mount pipe	C	From Leg	3.000 0.000 1.000	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.866 1.111 1.365 1.901	0.866 1.111 1.365 1.901	0.030 0.037 0.047 0.077
4' x 2.375" horizontal mount pipe	A	From Leg	3.000 0.000 -1.000	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.866 1.111 1.365 1.901	0.866 1.111 1.365 1.901	0.030 0.037 0.047 0.077
4' x 2.375" horizontal mount pipe	B	From Leg	3.000 0.000 -1.000	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.866 1.111 1.365 1.901	0.866 1.111 1.365 1.901	0.030 0.037 0.047 0.077
4' x 2.375" horizontal mount pipe	C	From Leg	3.000 0.000 -1.000	0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	0.866 1.111 1.365 1.901	0.866 1.111 1.365 1.901	0.030 0.037 0.047 0.077
T-Arm Mount [TA 702-3]	C	None		0.000	122.000	No Ice 1/2" Ice 1" Ice 2" Ice	4.750 5.820 6.980 9.720	4.750 5.820 6.980 9.720	0.339 0.432 0.550 0.868
* MX08FRO665-21 w/ Mount Pipe	A	From Leg	4.000 0.000 0.000	0.000	103.000	No Ice 1/2" Ice 1" Ice	8.010 8.520 9.040	4.230 4.690 5.160	0.108 0.194 0.292

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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

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	151 - 146	Pole	Max Tension	2	0.000	-0.000	-0.000
			Max. Compression	26	-13.531	0.178	2.335
			Max. Mx	20	-4.740	27.278	0.581
			Max. My	2	-4.709	0.077	28.069
			Max. Vy	20	-7.847	27.278	0.581
			Max. Vx	2	-7.866	0.077	28.069
			Max. Torque	20			-2.261
L2	146 - 141	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-14.139	0.189	2.398
			Max. Mx	20	-5.113	67.424	0.613
			Max. My	2	-5.080	0.078	68.312
			Max. Vy	20	-8.214	67.424	0.613
			Max. Vx	2	-8.234	0.078	68.312
			Max. Torque	20			-2.261
L3	141 - 136	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-23.440	0.200	3.166
			Max. Mx	20	-8.871	120.171	0.782
			Max. My	2	-8.816	0.079	121.502
			Max. Vy	8	12.627	-119.996	0.786
			Max. Vx	2	-12.704	0.079	121.502
			Max. Torque	20			-2.688
L4	136 - 131	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-26.038	0.209	3.247
			Max. Mx	20	-10.142	184.486	0.817
			Max. My	2	-10.083	0.079	186.210
			Max. Vy	8	13.800	-184.309	0.823
			Max. Vx	2	-13.882	0.079	186.210
			Max. Torque	20			-2.687
L5	131 - 126	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-31.164	0.217	3.378
			Max. Mx	20	-12.404	262.023	0.851
			Max. My	2	-12.337	0.079	264.190
			Max. Vy	8	16.072	-261.845	0.860
			Max. Vx	2	-16.162	0.079	264.190
			Max. Torque	20			-2.707
L6	126 - 121	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.021	0.204	3.467
			Max. Mx	20	-15.044	345.921	0.880
			Max. My	2	-14.969	0.075	348.556
			Max. Vy	8	18.629	-345.750	0.893
			Max. Vx	2	-18.728	0.075	348.556
			Max. Torque	20			-2.706
L7	121 - 118.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.703	0.156	3.535
			Max. Mx	20	-15.477	392.664	0.899
			Max. My	2	-15.390	0.065	395.720
			Max. Vy	8	18.801	-392.515	0.914
			Max. Vx	2	-19.026	0.065	395.720
			Max. Torque	20			-2.703
L8	118.5 - 118.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-37.792	0.151	3.543
			Max. Mx	20	-15.554	397.362	0.901
			Max. My	2	-15.465	0.064	400.478
			Max. Vy	8	18.809	-397.215	0.916
			Max. Vx	2	-19.049	0.064	400.478
			Max. Torque	20			-2.702
L9	118.25 - 113.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-39.358	0.051	3.675
			Max. Mx	20	-16.607	492.426	0.937
			Max. My	2	-16.496	0.043	497.332

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L10	113.25 - 108.25	Pole	Max. Vy	8	19.235	-492.322	0.956
			Max. Vx	2	-19.702	0.043	497.332
			Max. Torque	20			-2.702
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-40.831	-0.051	3.805
			Max. Mx	20	-17.630	589.568	0.971
			Max. My	2	-17.512	0.019	597.065
			Max. Vy	8	19.647	-589.509	0.994
			Max. Vx	2	-20.203	0.019	597.065
			Max. Torque	20			-2.701
L11	108.25 - 103.25	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-42.324	-0.156	3.933
			Max. Mx	20	-18.677	688.748	1.003
			Max. My	2	-18.554	-0.006	699.270
			Max. Vy	8	20.053	-688.735	1.030
			Max. Vx	2	-20.693	-0.006	699.270
			Max. Torque	20			-2.699
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-48.870	0.154	3.786
			Max. Mx	20	-22.173	740.959	0.939
L12	103.25 - 97.5	Pole	Max. My	2	-22.038	0.056	752.850
			Max. Vy	8	23.068	-740.749	1.015
			Max. Vx	2	-23.757	0.056	752.850
			Max. Torque	20			-2.697
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.321	0.003	3.943
			Max. Mx	20	-23.908	857.470	0.924
			Max. My	2	-23.762	-0.041	873.192
			Max. Vy	8	23.557	-857.337	1.118
			Max. Vx	2	-24.407	-0.041	873.192
L13	97.5 - 95.95	Pole	Max. Torque	20			-2.605
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.681	-0.026	3.973
			Max. Mx	20	-24.157	879.861	0.921
			Max. My	2	-24.008	-0.059	896.425
			Max. Vy	8	23.626	-879.742	1.137
			Max. Vx	2	-24.526	-0.059	896.425
			Max. Torque	20			-2.604
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-51.794	-0.034	3.982
L14	95.95 - 95	Pole	Max. Mx	20	-24.246	885.765	0.920
			Max. My	2	-24.097	-0.064	902.560
			Max. Vy	8	23.640	-885.651	1.143
			Max. Vx	2	-24.559	-0.064	902.560
			Max. Torque	20			-2.604
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.813	-0.104	4.051
			Max. Mx	20	-24.964	939.163	0.913
			Max. My	2	-24.807	-0.107	958.174
			Max. Vy	8	23.853	-939.084	1.189
L15	94.75 - 92.5	Pole	Max. Vx	2	-24.886	-0.107	958.174
			Max. Torque	20			-2.604
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.909	-0.112	4.060
			Max. Mx	20	-25.035	945.124	0.912
			Max. My	2	-24.877	-0.112	964.399
			Max. Vy	8	23.866	-945.049	1.194
			Max. Vx	2	-24.918	-0.112	964.399
			Max. Torque	20			-2.604
			Max Tension	1	0.000	0.000	0.000
L16	92.5 - 92.25	Pole	Max. Compression	26	-52.909	-0.112	4.060
			Max. Mx	20	-25.035	945.124	0.912
			Max. My	2	-24.877	-0.112	964.399
			Max. Vy	8	23.866	-945.049	1.194
			Max. Vx	2	-24.918	-0.112	964.399
			Max. Torque	20			-2.604
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.909	-0.112	4.060
			Max. Mx	20	-25.035	945.124	0.912
			Max. My	2	-24.877	-0.112	964.399
L17	92.5 - 92.25	Pole	Max. Vy	8	23.866	-945.049	1.194
			Max. Vx	2	-24.918	-0.112	964.399
			Max. Torque	20			-2.604
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-52.909	-0.112	4.060
			Max. Mx	20	-25.035	945.124	0.912
			Max. My	2	-24.877	-0.112	964.399
			Max. Vy	8	23.866	-945.049	1.194
			Max. Vx	2	-24.918	-0.112	964.399
			Max. Torque	20			-2.604

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L18	92.25 - 87.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-54.639	-0.254	4.200
			Max. Mx	20	-26.194	1053.253	0.896
			Max. My	2	-26.023	-0.200	1077.828
			Max. Vy	8	24.227	-1053.253	1.285
			Max. Vx	2	-25.512	-0.200	1077.828
			Max. Torque	20			-2.603
L19	87.75 - 87.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-54.761	-0.263	4.210
			Max. Mx	8	-26.294	-1059.311	1.290
			Max. My	2	-26.124	-0.205	1084.209
			Max. Vy	8	24.238	-1059.311	1.290
			Max. Vx	2	-25.542	-0.205	1084.209
			Max. Torque	20			-2.602
L20	87.5 - 84	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.469	-0.376	4.318
			Max. Mx	8	-27.525	-1144.728	1.361
			Max. My	2	-27.344	-0.275	1174.485
			Max. Vy	8	24.570	-1144.728	1.361
			Max. Vx	2	-26.056	-0.275	1174.485
			Max. Torque	20			-2.602
L21	84 - 83.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-56.573	-0.384	4.327
			Max. Mx	8	-27.605	-1150.872	1.366
			Max. My	2	-27.424	-0.279	1181.002
			Max. Vy	8	24.583	-1150.872	1.366
			Max. Vx	2	-26.088	-0.279	1181.002
			Max. Torque	20			-2.601
L22	83.75 - 78.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-58.565	-0.549	4.482
			Max. Mx	8	-29.053	-1274.804	1.466
			Max. My	2	-28.873	-0.382	1312.703
			Max. Vy	8	24.991	-1274.804	1.466
			Max. Vx	2	-26.608	-0.382	1312.703
			Max. Torque	20			-2.601
L23	78.75 - 73.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-60.525	-0.717	4.637
			Max. Mx	8	-30.537	-1400.699	1.565
			Max. My	2	-30.360	-0.485	1446.933
			Max. Vy	8	25.379	-1400.699	1.565
			Max. Vx	2	-27.104	-0.485	1446.933
			Max. Torque	20			-2.600
L24	73.75 - 68.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-62.507	-0.888	4.792
			Max. Mx	8	-32.045	-1528.511	1.663
			Max. My	2	-31.873	-0.589	1583.604
			Max. Vy	8	25.759	-1528.511	1.663
			Max. Vx	2	-27.586	-0.589	1583.604
			Max. Torque	20			-2.598
L25	68.75 - 64.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-64.202	-1.027	4.914
			Max. Mx	8	-33.270	-1632.108	1.741
			Max. My	2	-33.104	-0.674	1694.680
			Max. Vy	8	26.054	-1632.108	1.741
			Max. Vx	2	-27.975	-0.674	1694.680
			Max. Torque	20			-2.597
L26	64.75 - 64.5	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-64.336	-1.036	4.923
			Max. Mx	8	-33.381	-1638.622	1.746
			Max. My	2	-33.216	-0.679	1701.675
			Max. Vy	8	26.062	-1638.622	1.746

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L27	64.5 - 63.25	Pole	Max. Vx	2	-27.996	-0.679	1701.675
			Max. Torque	20			-2.596
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-65.006	-1.080	4.960
			Max. Mx	8	-33.873	-1671.276	1.771
			Max. My	2	-33.708	-0.706	1736.750
			Max. Vy	8	26.183	-1671.276	1.771
			Max. Vx	2	-28.140	-0.706	1736.750
L28	63.25 - 63	Pole	Max. Torque	20			-2.596
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-65.116	-1.089	4.969
			Max. Mx	8	-33.959	-1677.823	1.775
			Max. My	2	-33.795	-0.711	1743.787
			Max. Vy	8	26.191	-1677.823	1.775
			Max. Vx	2	-28.161	-0.711	1743.787
			Max. Torque	20			-2.596
L29	63 - 58	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-67.325	-1.266	5.120
			Max. Mx	8	-35.511	-1809.679	1.872
			Max. My	2	-35.354	-0.818	1885.732
			Max. Vy	8	26.555	-1809.679	1.872
			Max. Vx	2	-28.637	-0.818	1885.732
			Max. Torque	20			-2.596
			Max Tension	1	0.000	0.000	0.000
L30	58 - 56.75	Pole	Max. Compression	26	-67.885	-1.310	5.157
			Max. Mx	8	-35.903	-1842.917	1.896
			Max. My	2	-35.748	-0.845	1921.584
			Max. Vy	8	26.646	-1842.917	1.896
			Max. Vx	2	-28.757	-0.845	1921.584
			Max. Torque	20			-2.594
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.030	-1.320	5.166
L31	56.75 - 56.5	Pole	Max. Mx	8	-36.026	-1849.578	1.901
			Max. My	2	-35.874	-0.850	1928.774
			Max. Vy	8	26.649	-1849.578	1.901
			Max. Vx	2	-28.772	-0.850	1928.774
			Max. Torque	20			-2.594
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.754	-1.361	5.195
			Max. Mx	8	-36.565	-1882.965	1.925
L32	56.5 - 55.25	Pole	Max. My	2	-36.412	-0.877	1964.819
			Max. Vy	8	26.768	-1882.965	1.925
			Max. Vx	2	-28.915	-0.877	1964.819
			Max. Torque	20			-2.594
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-68.875	-1.370	5.202
			Max. Mx	8	-36.659	-1889.658	1.930
			Max. My	2	-36.507	-0.882	1972.049
L33	55.25 - 55	Pole	Max. Vy	8	26.777	-1889.658	1.930
			Max. Vx	2	-28.936	-0.882	1972.049
			Max. Torque	20			-2.594
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-70.232	-1.469	5.272
			Max. Mx	8	-37.667	-1968.974	1.987
			Max. My	2	-37.519	-0.947	2057.775
			Max. Vy	8	27.006	-1968.974	1.987
L34	55 - 47.5	Pole	Max. Vx	2	-29.209	-0.947	2057.775
			Max. Torque	20			-2.594
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-74.215	-1.639	5.393
			Max. Mx	8	-40.766	-2105.177	2.084
			Max. My	8			
			Max. Vy	8			
			Max. Vx	8			
L35	47.5 - 47.05	Pole	Max. Torque	20			-2.594
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-74.215	-1.639	5.393
			Max. Mx	8	-40.766	-2105.177	2.084

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L36	47.05 - 42.05	Pole	Max. My	2	-40.624	-1.055	2205.197
			Max. Vy	8	27.474	-2105.177	2.084
			Max. Vx	2	-29.768	-1.055	2205.197
			Max. Torque	20			-2.593
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-76.622	-1.810	5.514
			Max. Mx	8	-42.658	-2243.393	2.180
			Max. My	2	-42.528	-1.165	2355.015
			Max. Vy	8	27.819	-2243.393	2.180
			Max. Vx	2	-30.177	-1.165	2355.015
L37	42.05 - 37.05	Pole	Max. Torque	20			-2.593
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-79.114	-1.983	5.637
			Max. Mx	8	-44.584	-2383.237	2.275
			Max. My	2	-44.467	-1.275	2506.800
			Max. Vy	8	28.135	-2383.237	2.275
			Max. Vx	2	-30.564	-1.275	2506.800
			Max. Torque	20			-2.592
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.220	-2.056	5.689
L38	37.05 - 34.95	Pole	Max. Mx	8	-45.402	-2442.438	2.315
			Max. My	2	-45.290	-1.322	2571.128
			Max. Vy	8	28.264	-2442.438	2.315
			Max. Vx	2	-30.729	-1.322	2571.128
			Max. Torque	20			-2.591
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.384	-2.065	5.696
			Max. Mx	8	-45.541	-2449.504	2.319
			Max. My	2	-45.431	-1.328	2578.810
			Max. Vy	8	28.267	-2449.504	2.319
L39	34.95 - 34.7	Pole	Max. Vx	2	-30.741	-1.328	2578.810
			Max. Torque	20			-2.591
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-80.681	-2.081	5.707
			Max. Mx	8	-45.772	-2462.234	2.328
			Max. My	2	-45.662	-1.338	2592.651
			Max. Vy	8	28.302	-2462.234	2.328
			Max. Vx	2	-30.781	-1.338	2592.651
			Max. Torque	20			-2.591
			Max Tension	1	0.000	0.000	0.000
L40	34.7 - 34.25	Pole	Max. Compression	26	-80.813	-2.089	5.713
			Max. Mx	8	-45.870	-2469.313	2.333
			Max. My	2	-45.762	-1.343	2600.348
			Max. Vy	8	28.316	-2469.313	2.333
			Max. Vx	2	-30.803	-1.343	2600.348
			Max. Torque	20			-2.591
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-83.458	-2.266	5.837
			Max. Mx	8	-47.830	-2611.627	2.427
			Max. My	2	-47.735	-1.455	2755.243
L41	34.25 - 34	Pole	Max. Vy	8	28.614	-2611.627	2.427
			Max. Vx	2	-31.175	-1.455	2755.243
			Max. Torque	20			-2.591
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.656	-2.346	5.894
			Max. Mx	8	-48.724	-2676.127	2.469
			Max. My	2	-48.636	-1.506	2825.529
			Max. Vy	8	28.740	-2676.127	2.469
			Max. Vx	2	-31.334	-1.506	2825.529
			Max. Torque	20			-2.591
L42	29 - 26.75	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.656	-2.346	5.894
L43	29 - 26.75	Pole	Max. Mx	8	-48.724	-2676.127	2.469
			Max. My	2	-48.636	-1.506	2825.529
			Max. Vy	8	28.740	-2676.127	2.469
			Max. Vx	2	-31.334	-1.506	2825.529
			Max. Torque	20			-2.591
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-84.656	-2.346	5.894
			Max. Mx	8	-48.724	-2676.127	2.469
			Max. My	2	-48.636	-1.506	2825.529
			Max. Vy	8	28.740	-2676.127	2.469
L44	26.75 - 26.5	Pole	Max. Vx	2	-31.334	-1.506	2825.529
			Max. Torque	20			-2.591

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L45	26.5 - 25.25	Pole	Max. Compression	26	-84.822	-2.355	5.901
			Max. Mx	8	-48.866	-2683.311	2.474
			Max. My	2	-48.780	-1.511	2833.362
			Max. Vy	8	28.739	-2683.311	2.474
			Max. Vx	2	-31.340	-1.511	2833.362
			Max. Torque	20			-2.590
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-85.651	-2.400	5.932
			Max. Mx	8	-49.512	-2719.297	2.498
			Max. My	2	-49.427	-1.540	2872.599
L46	25.25 - 25	Pole	Max. Vy	8	28.839	-2719.297	2.498
			Max. Vx	2	-31.455	-1.540	2872.599
			Max. Torque	20			-2.590
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-85.785	-2.409	5.938
			Max. Mx	8	-49.620	-2726.507	2.502
			Max. My	2	-49.537	-1.545	2880.462
			Max. Vy	8	28.840	-2726.507	2.502
			Max. Vx	2	-31.464	-1.545	2880.462
			Max. Torque	20			-2.590
L47	25 - 20	Pole	Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-88.416	-2.588	6.044
			Max. Mx	8	-51.625	-2871.414	2.596
			Max. My	2	-51.557	-1.659	3038.585
			Max. Vy	8	29.127	-2871.414	2.596
			Max. Vx	2	-31.805	-1.659	3038.585
			Max. Torque	20			-2.590
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-90.123	-2.705	5.996
			Max. Mx	8	-52.948	-2966.328	2.656
L48	20 - 16.75	Pole	Max. My	2	-52.891	-1.733	3142.219
			Max. Vy	8	29.304	-2966.328	2.656
			Max. Vx	2	-32.003	-1.733	3142.219
			Max. Torque	20			-2.590
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-91.655	-2.795	5.961
			Max. Mx	8	-54.184	-3039.748	2.702
			Max. My	2	-54.134	-1.790	3222.393
			Max. Vy	8	29.454	-3039.748	2.702
			Max. Vx	2	-32.169	-1.790	3222.393
L49	16.75 - 16.5	Pole	Max. Torque	20			-2.590
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-90.276	-2.714	5.993
			Max. Mx	8	-53.082	-2973.653	2.660
			Max. My	2	-53.027	-1.738	3150.218
			Max. Vy	8	29.301	-2973.653	2.660
			Max. Vx	2	-32.004	-1.738	3150.218
			Max. Torque	20			-2.590
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-91.655	-2.795	5.961
L50	16.5 - 14.25	Pole	Max. Mx	8	-54.184	-3039.748	2.702
			Max. My	2	-54.134	-1.790	3222.393
			Max. Vy	8	29.454	-3039.748	2.702
			Max. Vx	2	-32.169	-1.790	3222.393
			Max. Torque	20			-2.590
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-91.798	-2.804	5.957
			Max. Mx	8	-54.306	-3047.111	2.707
			Max. My	2	-54.259	-1.795	3230.434
			Max. Vy	8	29.452	-3047.111	2.707
L51	14.25 - 14	Pole	Max. Vx	2	-32.171	-1.795	3230.434
			Max. Torque	20			-2.589
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-94.626	-2.990	5.917
			Max. Mx	8	-56.570	-3195.125	2.799
			Max. My	2	-56.538	-1.910	3392.070
			Max. Vy	8	29.755	-3195.125	2.799
			Max. Vx	2	-32.500	-1.910	3392.070
			Max. Torque	20			-2.589
			Max Tension	1	0.000	0.000	0.000
L52	14 - 9	Pole	Max. Compression	26	-94.626	-2.990	5.917
			Max. Mx	8	-56.570	-3195.125	2.799
			Max. My	2	-56.538	-1.910	3392.070
			Max. Vy	8	29.755	-3195.125	2.799
			Max. Vx	2	-32.500	-1.910	3392.070
			Max. Torque	20			-2.589
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-94.626	-2.990	5.917
			Max. Mx	8	-56.570	-3195.125	2.799
			Max. My	2	-56.538	-1.910	3392.070

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L53	9 - 4	Pole	Max. Torque	20			-2.589
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-97.409	-3.187	5.946
			Max. M _x	8	-58.866	-3344.576	2.891
			Max. M _y	2	-58.851	-2.026	3555.273
			Max. V _y	8	30.042	-3344.576	2.891
			Max. V _x	2	-32.810	-2.026	3555.273
L54	4 - 0	Pole	Max. Torque	20			-2.589
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	26	-99.601	-3.335	5.971
			Max. M _x	8	-60.723	-3465.163	2.963
			Max. M _y	2	-60.721	-2.119	3686.939
			Max. V _y	8	30.269	-3465.163	2.963
			Max. V _x	2	-33.052	-2.119	3686.939
			Max. Torque	20			-2.589

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	99.601	-0.000	0.000
	Max. H _x	20	60.733	30.248	-0.011
	Max. H _z	2	60.733	-0.011	33.030
	Max. M _x	2	3686.939	-0.011	33.030
	Max. M _z	8	3465.163	-30.248	0.011
	Max. Torsion	8	2.588	-30.248	0.011
	Min. Vert	11	45.550	-26.205	-15.138
	Min. H _x	8	60.733	-30.248	0.011
	Min. H _z	14	60.733	0.011	-33.030
	Min. M _x	14	-3683.378	0.011	-33.030
	Min. M _z	20	-3463.370	30.248	-0.011
	Min. Torsion	20	-2.589	30.248	-0.011

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead Only	50.611	0.000	0.000	-1.384	-0.723	0.000
1.2 Dead+1.0 Wind 0 deg - No Ice	60.733	0.011	-33.030	-3686.939	-2.119	-0.127
0.9 Dead+1.0 Wind 0 deg - No Ice	45.550	0.011	-33.030	-3630.163	-1.871	-0.124
1.2 Dead+1.0 Wind 30 deg - No Ice	60.733	15.167	-26.286	-3012.276	-1737.257	-1.495
0.9 Dead+1.0 Wind 30 deg - No Ice	45.550	15.167	-26.286	-2965.038	-1710.058	-1.478
1.2 Dead+1.0 Wind 60 deg - No Ice	60.733	26.201	-15.149	-1737.416	-3001.658	-2.358
0.9 Dead+1.0 Wind 60 deg - No Ice	45.550	26.201	-15.149	-1709.973	-2954.799	-2.330
1.2 Dead+1.0 Wind 90 deg - No Ice	60.733	30.248	-0.011	-2.963	-3465.163	-2.588

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Ice						
0.9 Dead+1.0 Wind 90 deg - No Ice	45.550	30.248	-0.011	-2.479	-3411.105	-2.557
1.2 Dead+1.0 Wind 120 deg - No Ice	60.733	26.205	15.138	1732.930	-3002.369	-2.125
0.9 Dead+1.0 Wind 120 deg - No Ice	45.550	26.205	15.138	1706.439	-2955.505	-2.100
1.2 Dead+1.0 Wind 150 deg - No Ice	60.733	16.007	27.762	3133.173	-1807.662	-1.128
0.9 Dead+1.0 Wind 150 deg - No Ice	45.550	16.007	27.762	3085.439	-1779.656	-1.115
1.2 Dead+1.0 Wind 180 deg - No Ice	60.733	-0.011	33.030	3683.378	0.318	0.126
0.9 Dead+1.0 Wind 180 deg - No Ice	45.550	-0.011	33.030	3627.559	0.534	0.123
1.2 Dead+1.0 Wind 210 deg - No Ice	60.733	-15.167	26.286	3008.736	1735.424	1.493
0.9 Dead+1.0 Wind 210 deg - No Ice	45.550	-15.167	26.286	2962.448	1708.697	1.475
1.2 Dead+1.0 Wind 240 deg - No Ice	60.733	-26.201	15.149	1733.912	2999.830	2.356
0.9 Dead+1.0 Wind 240 deg - No Ice	45.550	-26.201	15.149	1707.409	2953.442	2.328
1.2 Dead+1.0 Wind 270 deg - No Ice	60.733	-30.248	0.011	-0.526	3463.370	2.589
0.9 Dead+1.0 Wind 270 deg - No Ice	45.550	-30.248	0.011	-0.074	3409.772	2.558
1.2 Dead+1.0 Wind 300 deg - No Ice	60.733	-26.205	-15.138	-1736.442	3000.605	2.128
0.9 Dead+1.0 Wind 300 deg - No Ice	45.550	-26.205	-15.138	-1709.008	2954.194	2.102
1.2 Dead+1.0 Wind 330 deg - No Ice	60.733	-16.007	-27.762	-3136.720	1805.896	1.130
0.9 Dead+1.0 Wind 330 deg - No Ice	45.550	-16.007	-27.762	-3088.034	1778.343	1.116
1.2 Dead+1.0 Ice+1.0 Temp	99.601	0.000	-0.000	-5.971	-3.335	-0.000
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	99.601	0.002	-7.481	-929.351	-3.656	-0.032
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	99.601	3.649	-6.322	-788.501	-454.775	-0.490
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	99.601	6.318	-3.651	-457.979	-784.953	-0.784
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	99.601	7.294	-0.002	-6.398	-905.719	-0.869
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	99.601	6.316	3.648	445.242	-784.717	-0.720
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	99.601	3.678	6.376	783.334	-458.649	-0.389
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	99.601	-0.002	7.481	917.002	-3.197	0.031
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	99.601	-3.649	6.322	776.155	447.917	0.490
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	99.601	-6.318	3.651	445.640	778.096	0.784
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	99.601	-7.294	0.002	-5.939	898.869	0.868
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	99.601	-6.316	-3.648	-457.583	777.872	0.720
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	99.601	-3.678	-6.376	-795.682	451.803	0.389
Dead+Wind 0 deg - Service	50.611	0.002	-7.169	-794.720	-1.007	-0.028

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _x kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead+Wind 30 deg - Service	50.611	3.292	-5.705	-649.343	-374.413	-0.329
Dead+Wind 60 deg - Service	50.611	5.687	-3.288	-374.988	-646.511	-0.520
Dead+Wind 90 deg - Service	50.611	6.565	-0.002	-1.732	-746.260	-0.572
Dead+Wind 120 deg - Service	50.611	5.688	3.286	371.837	-646.670	-0.470
Dead+Wind 150 deg - Service	50.611	3.474	6.026	673.287	-389.632	-0.250
Dead+Wind 180 deg - Service	50.611	-0.002	7.169	791.777	-0.482	0.027
Dead+Wind 210 deg - Service	50.611	-3.292	5.705	646.401	372.923	0.329
Dead+Wind 240 deg - Service	50.611	-5.687	3.288	372.047	645.021	0.520
Dead+Wind 270 deg - Service	50.611	-6.565	0.002	-1.208	744.771	0.572
Dead+Wind 300 deg - Service	50.611	-5.688	-3.286	-374.777	645.182	0.470
Dead+Wind 330 deg - Service	50.611	-3.474	-6.026	-676.229	388.144	0.250

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	0.000	-50.611	0.000	0.000	50.611	0.000	0.000%
2	0.011	-60.733	-33.030	-0.011	60.733	33.030	0.000%
3	0.011	-45.550	-33.030	-0.011	45.550	33.030	0.000%
4	15.167	-60.733	-26.286	-15.167	60.733	26.286	0.000%
5	15.167	-45.550	-26.286	-15.167	45.550	26.286	0.000%
6	26.201	-60.733	-15.149	-26.201	60.733	15.149	0.000%
7	26.201	-45.550	-15.149	-26.201	45.550	15.149	0.000%
8	30.248	-60.733	-0.011	-30.248	60.733	0.011	0.000%
9	30.248	-45.550	-0.011	-30.248	45.550	0.011	0.000%
10	26.205	-60.733	15.138	-26.205	60.733	-15.138	0.000%
11	26.205	-45.550	15.138	-26.205	45.550	-15.138	0.000%
12	16.007	-60.733	27.762	-16.007	60.733	-27.762	0.000%
13	16.007	-45.550	27.762	-16.007	45.550	-27.762	0.000%
14	-0.011	-60.733	33.030	0.011	60.733	-33.030	0.000%
15	-0.011	-45.550	33.030	0.011	45.550	-33.030	0.000%
16	-15.167	-60.733	26.286	15.167	60.733	-26.286	0.000%
17	-15.167	-45.550	26.286	15.167	45.550	-26.286	0.000%
18	-26.201	-60.733	15.149	26.201	60.733	-15.149	0.000%
19	-26.201	-45.550	15.149	26.201	45.550	-15.149	0.000%
20	-30.248	-60.733	0.011	30.248	60.733	-0.011	0.000%
21	-30.248	-45.550	0.011	30.248	45.550	-0.011	0.000%
22	-26.205	-60.733	-15.138	26.205	60.733	15.138	0.000%
23	-26.205	-45.550	-15.138	26.205	45.550	15.138	0.000%
24	-16.007	-60.733	-27.762	16.007	60.733	27.762	0.000%
25	-16.007	-45.550	-27.762	16.007	45.550	27.762	0.000%
26	0.000	-99.601	0.000	-0.000	99.601	0.000	0.000%
27	0.002	-99.601	-7.481	-0.002	99.601	7.481	0.000%
28	3.649	-99.601	-6.322	-3.649	99.601	6.322	0.000%
29	6.318	-99.601	-3.651	-6.318	99.601	3.651	0.000%
30	7.294	-99.601	-0.002	-7.294	99.601	0.002	0.000%
31	6.316	-99.601	3.648	-6.316	99.601	-3.648	0.000%
32	3.678	-99.601	6.376	-3.678	99.601	-6.376	0.000%
33	-0.002	-99.601	7.481	0.002	99.601	-7.481	0.000%
34	-3.649	-99.601	6.322	3.649	99.601	-6.322	0.000%
35	-6.318	-99.601	3.651	6.318	99.601	-3.651	0.000%
36	-7.294	-99.601	0.002	7.294	99.601	-0.002	0.000%
37	-6.316	-99.601	-3.648	6.316	99.601	3.648	0.000%
38	-3.678	-99.601	-6.376	3.678	99.601	6.376	0.000%
39	0.002	-50.611	-7.169	-0.002	50.611	7.169	0.000%
40	3.292	-50.611	-5.705	-3.292	50.611	5.705	0.000%
41	5.687	-50.611	-3.288	-5.687	50.611	3.288	0.000%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
42	6.565	-50.611	-0.002	-6.565	50.611	0.002	0.000%
43	5.688	-50.611	3.286	-5.688	50.611	-3.286	0.000%
44	3.474	-50.611	6.026	-3.474	50.611	-6.026	0.000%
45	-0.002	-50.611	7.169	0.002	50.611	-7.169	0.000%
46	-3.292	-50.611	5.705	3.292	50.611	-5.705	0.000%
47	-5.687	-50.611	3.288	5.687	50.611	-3.288	0.000%
48	-6.565	-50.611	0.002	6.565	50.611	-0.002	0.000%
49	-5.688	-50.611	-3.286	5.688	50.611	3.286	0.000%
50	-3.474	-50.611	-6.026	3.474	50.611	6.026	0.000%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	4	0.00000001	0.00000001
2	Yes	5	0.00000001	0.00060142
3	Yes	5	0.00000001	0.00021999
4	Yes	7	0.00000001	0.00028860
5	Yes	7	0.00000001	0.00006898
6	Yes	7	0.00000001	0.00030491
7	Yes	7	0.00000001	0.00007354
8	Yes	6	0.00000001	0.00028806
9	Yes	6	0.00000001	0.00010086
10	Yes	7	0.00000001	0.00028443
11	Yes	7	0.00000001	0.00006800
12	Yes	7	0.00000001	0.00031469
13	Yes	7	0.00000001	0.00007474
14	Yes	5	0.00000001	0.00062603
15	Yes	5	0.00000001	0.00023577
16	Yes	7	0.00000001	0.00030068
17	Yes	7	0.00000001	0.00007241
18	Yes	7	0.00000001	0.00028350
19	Yes	7	0.00000001	0.00006776
20	Yes	6	0.00000001	0.00028124
21	Yes	6	0.00000001	0.00009851
22	Yes	7	0.00000001	0.00030374
23	Yes	7	0.00000001	0.00007323
24	Yes	7	0.00000001	0.00030512
25	Yes	7	0.00000001	0.00007205
26	Yes	5	0.00000001	0.00033046
27	Yes	7	0.00000001	0.00054703
28	Yes	7	0.00000001	0.00067589
29	Yes	7	0.00000001	0.00068604
30	Yes	7	0.00000001	0.00053487
31	Yes	7	0.00000001	0.00065669
32	Yes	7	0.00000001	0.00067290
33	Yes	7	0.00000001	0.00053298
34	Yes	7	0.00000001	0.00066240
35	Yes	7	0.00000001	0.00065380
36	Yes	7	0.00000001	0.00053255
37	Yes	7	0.00000001	0.00068171
38	Yes	7	0.00000001	0.00068072
39	Yes	5	0.00000001	0.00011075
40	Yes	5	0.00000001	0.00067820
41	Yes	5	0.00000001	0.00080047
42	Yes	5	0.00000001	0.00021147

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43	Yes	5	0.00000001	0.00065267
44	Yes	5	0.00000001	0.00080714
45	Yes	5	0.00000001	0.00011004
46	Yes	5	0.00000001	0.00075812
47	Yes	5	0.00000001	0.00064791
48	Yes	5	0.00000001	0.00021046
49	Yes	5	0.00000001	0.00079028
50	Yes	5	0.00000001	0.00074168

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	151 - 146	25.306	39	1.612	0.011
L2	146 - 141	23.620	39	1.606	0.010
L3	141 - 136	21.950	39	1.580	0.009
L4	136 - 131	20.316	39	1.539	0.007
L5	131 - 126	18.735	39	1.478	0.006
L6	126 - 121	17.226	39	1.401	0.005
L7	121 - 118.5	15.805	39	1.310	0.004
L8	118.5 - 118.25	15.133	39	1.259	0.003
L9	118.25 - 113.25	15.067	39	1.256	0.003
L10	113.25 - 108.25	13.778	39	1.204	0.003
L11	108.25 - 103.25	12.547	39	1.146	0.002
L12	103.25 - 97.5	11.380	39	1.084	0.002
L13	100.95 - 95.95	10.865	39	1.053	0.002
L14	95.95 - 95	9.780	39	1.013	0.002
L15	95 - 94.75	9.579	39	1.001	0.002
L16	94.75 - 92.5	9.527	39	0.999	0.002
L17	92.5 - 92.25	9.061	39	0.979	0.002
L18	92.25 - 87.75	9.010	39	0.976	0.002
L19	87.75 - 87.5	8.117	39	0.918	0.002
L20	87.5 - 84	8.069	39	0.916	0.002
L21	84 - 83.75	7.408	39	0.886	0.001
L22	83.75 - 78.75	7.362	39	0.883	0.001
L23	78.75 - 73.75	6.468	39	0.823	0.001
L24	73.75 - 68.75	5.638	39	0.762	0.001
L25	68.75 - 64.75	4.873	39	0.700	0.001
L26	64.75 - 64.5	4.308	39	0.649	0.001
L27	64.5 - 63.25	4.274	39	0.647	0.001
L28	63.25 - 63	4.106	39	0.636	0.001
L29	63 - 58	4.073	39	0.633	0.001
L30	58 - 56.75	3.444	39	0.569	0.001
L31	56.75 - 56.5	3.297	39	0.553	0.001
L32	56.5 - 55.25	3.268	39	0.551	0.001
L33	55.25 - 55	3.125	39	0.541	0.001
L34	55 - 47.5	3.097	39	0.538	0.001
L35	52.05 - 47.05	2.774	39	0.505	0.001
L36	47.05 - 42.05	2.260	39	0.475	0.001
L37	42.05 - 37.05	1.792	39	0.420	0.000
L38	37.05 - 34.95	1.380	39	0.366	0.000
L39	34.95 - 34.7	1.224	39	0.343	0.000
L40	34.7 - 34.25	1.206	39	0.341	0.000
L41	34.25 - 34	1.174	39	0.338	0.000
L42	34 - 29	1.157	39	0.335	0.000
L43	29 - 26.75	0.834	39	0.281	0.000
L44	26.75 - 26.5	0.708	39	0.257	0.000
L45	26.5 - 25.25	0.694	39	0.255	0.000
L46	25.25 - 25	0.629	39	0.246	0.000

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L47	25 - 20	0.616	39	0.243	0.000
L48	20 - 16.75	0.390	39	0.189	0.000
L49	16.75 - 16.5	0.272	39	0.155	0.000
L50	16.5 - 14.25	0.264	39	0.153	0.000
L51	14.25 - 14	0.197	39	0.133	0.000
L52	14 - 9	0.190	39	0.130	0.000
L53	9 - 4	0.078	39	0.083	0.000
L54	4 - 0	0.015	39	0.037	0.000

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
151.000	Lightning Rod 5/8" x 4' on 4' Pole	39	25.306	1.612	0.011	18156
148.000	DS1F03F36D-N	39	24.293	1.610	0.010	18156
138.000	(2) NHH-65C-R2B	39	20.964	1.557	0.008	6474
132.000	800 EXTERNAL NOTCH FILTER	39	19.046	1.492	0.006	4402
130.000	GPS-TMG-HR-26NCM	39	18.427	1.464	0.006	3992
122.000	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	39	16.081	1.332	0.004	3074
103.000	MX08FRO665-21 w/ Mount Pipe	39	11.323	1.080	0.002	5012

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	151 - 146	117.271	2	7.454	0.049
L2	146 - 141	109.491	2	7.432	0.046
L3	141 - 136	101.782	2	7.318	0.039
L4	136 - 131	94.230	2	7.129	0.033
L5	131 - 126	86.919	2	6.854	0.027
L6	126 - 121	79.935	2	6.502	0.022
L7	121 - 118.5	73.354	2	6.080	0.017
L8	118.5 - 118.25	70.237	2	5.845	0.015
L9	118.25 - 113.25	69.932	2	5.834	0.015
L10	113.25 - 108.25	63.957	2	5.592	0.013
L11	108.25 - 103.25	58.249	2	5.323	0.011
L12	103.25 - 97.5	52.833	2	5.034	0.010
L13	100.95 - 95.95	50.445	2	4.894	0.009
L14	95.95 - 95	45.408	2	4.706	0.008
L15	95 - 94.75	44.478	2	4.653	0.008
L16	94.75 - 92.5	44.235	2	4.643	0.008
L17	92.5 - 92.25	42.071	2	4.550	0.008
L18	92.25 - 87.75	41.833	2	4.536	0.008
L19	87.75 - 87.5	37.689	2	4.267	0.007
L20	87.5 - 84	37.466	2	4.257	0.007
L21	84 - 83.75	34.399	2	4.117	0.007
L22	83.75 - 78.75	34.184	2	4.104	0.006
L23	78.75 - 73.75	30.035	2	3.826	0.006
L24	73.75 - 68.75	26.182	2	3.539	0.005

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Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L25	68.75 - 64.75	22.628	2	3.252	0.004
L26	64.75 - 64.5	20.004	2	3.017	0.004
L27	64.5 - 63.25	19.846	2	3.006	0.004
L28	63.25 - 63	19.066	2	2.956	0.004
L29	63 - 58	18.912	2	2.941	0.004
L30	58 - 56.75	15.989	2	2.643	0.003
L31	56.75 - 56.5	15.307	2	2.569	0.003
L32	56.5 - 55.25	15.173	2	2.560	0.003
L33	55.25 - 55	14.509	2	2.513	0.003
L34	55 - 47.5	14.378	2	2.500	0.003
L35	52.05 - 47.05	12.882	2	2.345	0.003
L36	47.05 - 42.05	10.494	2	2.205	0.003
L37	42.05 - 37.05	8.318	2	1.952	0.002
L38	37.05 - 34.95	6.407	2	1.699	0.002
L39	34.95 - 34.7	5.683	2	1.593	0.002
L40	34.7 - 34.25	5.600	2	1.584	0.002
L41	34.25 - 34	5.451	2	1.569	0.002
L42	34 - 29	5.370	2	1.556	0.002
L43	29 - 26.75	3.872	2	1.304	0.001
L44	26.75 - 26.5	3.284	2	1.192	0.001
L45	26.5 - 25.25	3.222	2	1.184	0.001
L46	25.25 - 25	2.918	2	1.140	0.001
L47	25 - 20	2.858	2	1.128	0.001
L48	20 - 16.75	1.808	2	0.879	0.001
L49	16.75 - 16.5	1.264	2	0.720	0.001
L50	16.5 - 14.25	1.226	2	0.710	0.001
L51	14.25 - 14	0.914	2	0.616	0.001
L52	14 - 9	0.882	2	0.605	0.001
L53	9 - 4	0.364	2	0.386	0.000
L54	4 - 0	0.072	2	0.172	0.000

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
151.000	Lightning Rod 5/8" x 4' on 4' Pole	2	117.271	7.454	0.049	4339
148.000	DS1F03F36D-N	2	112.598	7.449	0.048	4339
138.000	(2) NHH-65C-R2B	2	97.226	7.214	0.035	1477
132.000	800 EXTERNAL NOTCH FILTER	2	88.358	6.917	0.028	991
130.000	GPS-TMG-HR-26NCM	2	85.494	6.788	0.026	895
122.000	ERICSSON AIR 21 B4A B2P w/ Mount Pipe	2	74.635	6.181	0.018	682
103.000	MX08FRO665-21 w/ Mount Pipe	2	52.571	5.018	0.010	1097

Compression Checks

Pole Design Data

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
L1	151 - 146 (1)	TP18.526x17.59x0.219	5.000	0.000	0.0	12.895	-4.709	754.347	0.006
L2	146 - 141 (2)	TP19.461x18.526x0.219	5.000	0.000	0.0	13.554	-5.080	792.896	0.006
L3	141 - 136 (3)	TP20.397x19.461x0.219	5.000	0.000	0.0	14.213	-8.816	831.445	0.011
L4	136 - 131 (4)	TP21.332x20.397x0.219	5.000	0.000	0.0	14.872	-10.084	869.994	0.012
L5	131 - 126 (5)	TP22.268x21.332x0.219	5.000	0.000	0.0	15.531	-12.337	908.542	0.014
L6	126 - 121 (6)	TP23.203x22.268x0.219	5.000	0.000	0.0	16.190	-14.969	947.091	0.016
L7	121 - 118.5 (7)	TP23.671x23.203x0.219	2.500	0.000	0.0	16.519	-15.390	966.365	0.016
L8	118.5 - 118.25 (8)	TP23.718x23.671x0.494	0.250	0.000	0.0	36.923	-15.465	2160.000	0.007
L9	118.25 - 113.25 (9)	TP24.653x23.718x0.481	5.000	0.000	0.0	37.457	-16.496	2191.260	0.008
L10	113.25 - 108.25 (10)	TP25.589x24.653x0.469	5.000	0.000	0.0	37.915	-17.512	2218.050	0.008
L11	108.25 - 103.25 (11)	TP26.524x25.589x0.463	5.000	0.000	0.0	38.812	-18.554	2270.520	0.008
L12	103.25 - 97.5 (12)	TP27.6x26.524x0.456	5.750	0.000	0.0	38.929	-22.038	2277.360	0.010
L13	97.5 - 95.95 (13)	TP27.442x26.517x0.55	5.000	0.000	0.0	47.625	-23.762	2786.050	0.009
L14	95.95 - 95 (14)	TP27.617x27.442x0.55	0.950	0.000	0.0	47.936	-24.008	2804.250	0.009
L15	95 - 94.75 (15)	TP27.663x27.617x0.8	0.250	0.000	0.0	69.200	-24.097	4048.210	0.006
L16	94.75 - 92.5 (16)	TP28.079x27.663x0.788	2.250	0.000	0.0	69.205	-24.807	4048.520	0.006
L17	92.5 - 92.25 (17)	TP28.126x28.079x0.55	0.250	0.000	0.0	48.836	-24.877	2856.930	0.009
L18	92.25 - 87.75 (18)	TP28.958x28.126x0.538	4.500	0.000	0.0	49.188	-26.023	2877.510	0.009
L19	87.75 - 87.5 (19)	TP29.004x28.958x0.863	0.250	0.000	0.0	78.156	-26.124	4572.110	0.006
L20	87.5 - 84 (20)	TP29.651x29.004x0.85	3.500	0.000	0.0	78.829	-27.344	4611.470	0.006
L21	84 - 83.75 (21)	TP29.697x29.651x0.613	0.250	0.000	0.0	57.362	-27.424	3355.710	0.008
L22	83.75 - 78.75 (22)	TP30.622x29.697x0.6	5.000	0.000	0.0	58.002	-28.873	3393.130	0.009
L23	78.75 - 73.75 (23)	TP31.546x30.622x0.588	5.000	0.000	0.0	58.566	-30.360	3426.130	0.009
L24	73.75 - 68.75 (24)	TP32.471x31.546x0.588	5.000	0.000	0.0	60.315	-31.873	3528.450	0.009
L25	68.75 - 64.75 (25)	TP33.21x32.471x0.575	4.000	0.000	0.0	60.424	-33.104	3534.830	0.009
L26	64.75 - 64.5 (26)	TP33.257x33.21x0.85	0.250	0.000	0.0	88.697	-33.216	5188.780	0.006
L27	64.5 - 63.25 (27)	TP33.488x33.257x0.85	1.250	0.000	0.0	89.330	-33.708	5225.780	0.006
L28	63.25 - 63 (28)	TP33.534x33.488x0.575	0.250	0.000	0.0	61.024	-33.795	3569.880	0.009
L29	63 - 58 (29)	TP34.459x33.534x0.563	5.000	0.000	0.0	61.394	-35.354	3591.560	0.010
L30	58 - 56.75 (30)	TP34.69x34.459x0.563	1.250	0.000	0.0	61.813	-35.748	3616.050	0.010
L31	56.75 - 56.5 (31)	TP34.736x34.69x0.913	0.250	0.000	0.0	99.382	-35.874	5813.820	0.006
L32	56.5 - 55.25 (32)	TP34.967x34.736x0.913	1.250	0.000	0.0	100.061	-36.412	5853.550	0.006
L33	55.25 - 55 (33)	TP35.013x34.967x0.638	0.250	0.000	0.0	70.565	-36.507	4128.040	0.009
L34	55 - 47.5 (34)	TP36.4x35.013x0.638	7.500	0.000	0.0	71.685	-37.519	4193.540	0.009
L35	47.5 - 47.05 (35)	TP35.88x34.934x0.7	5.000	0.000	0.0	79.295	-40.624	4638.740	0.009
L36	47.05 - 42.05 (36)	TP36.825x35.88x0.688	5.000	0.000	0.0	80.000	-42.528	4680.020	0.009
L37	42.05 - 37.05 (37)	TP37.771x36.825x0.675	5.000	0.000	0.0	80.629	-44.467	4716.780	0.009
L38	37.05 - 34.95 (38)	TP38.169x37.771x0.675	2.100	0.000	0.0	81.492	-45.291	4767.290	0.010

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Section No.	Elevation	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio
	ft		ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
L39	34.95 - 34.7 (39)	TP38.216x38.169x0.988	0.250	0.000	0.0	118.377	-45.431	6925.040	0.007
L40	34.7 - 34.25 (40)	TP38.301x38.216x0.975	0.450	0.000	0.0	117.185	-45.662	6855.310	0.007
L41	34.25 - 34 (41)	TP38.348x38.301x0.675	0.250	0.000	0.0	81.883	-45.762	4790.140	0.010
L42	34 - 29 (42)	TP39.294x38.348x0.663	5.000	0.000	0.0	82.411	-47.734	4821.030	0.010
L43	29 - 26.75 (43)	TP39.72x39.294x0.663	2.250	0.000	0.0	83.319	-48.636	4874.150	0.010
L44	26.75 - 26.5 (44)	TP39.767x39.72x0.95	0.250	0.000	0.0	118.741	-48.780	6946.360	0.007
L45	26.5 - 25.25 (45)	TP40.003x39.767x0.95	1.250	0.000	0.0	119.465	-49.427	6988.670	0.007
L46	25.25 - 25 (46)	TP40.051x40.003x0.663	0.250	0.000	0.0	84.025	-49.537	4915.460	0.010
L47	25 - 20 (47)	TP40.997x40.051x0.65	5.000	0.000	0.0	84.445	-51.557	4940.060	0.010
L48	20 - 16.75 (48)	TP41.611x40.997x0.65	3.250	0.000	0.0	85.732	-52.891	5015.330	0.011
L49	16.75 - 16.5 (49)	TP41.659x41.611x0.763	0.250	0.000	0.0	100.410	-53.027	5874.010	0.009
L50	16.5 - 14.25 (50)	TP42.084x41.659x0.763	2.250	0.000	0.0	101.455	-54.135	5935.140	0.009
L51	14.25 - 14 (51)	TP42.132x42.084x0.725	0.250	0.000	0.0	96.664	-54.259	5654.830	0.010
L52	14 - 9 (52)	TP43.077x42.132x0.713	5.000	0.000	0.0	97.196	-56.538	5685.960	0.010
L53	9 - 4 (53)	TP44.023x43.077x0.713	5.000	0.000	0.0	99.366	-58.851	5812.900	0.010
L54	4 - 0 (54)	TP44.78x44.023x0.7	4.000	0.000	0.0	99.356	-60.721	5812.340	0.010

Pole Bending Design Data

Section No.	Elevation	Size	M _{ux}	φM _{ux}	Ratio	M _{uy}	φM _{uy}	Ratio
	ft		kip-ft	kip-ft	$\frac{M_{ux}}{\phi M_{ux}}$	kip-ft	kip-ft	$\frac{M_{uy}}{\phi M_{uy}}$
L1	151 - 146 (1)	TP18.526x17.59x0.219	28.069	351.018	0.080	0.000	351.018	0.000
L2	146 - 141 (2)	TP19.461x18.526x0.219	68.312	382.076	0.179	0.000	382.076	0.000
L3	141 - 136 (3)	TP20.397x19.461x0.219	121.503	413.796	0.294	0.000	413.796	0.000
L4	136 - 131 (4)	TP21.332x20.397x0.219	186.210	446.091	0.417	0.000	446.091	0.000
L5	131 - 126 (5)	TP22.268x21.332x0.219	264.189	478.878	0.552	0.000	478.878	0.000
L6	126 - 121 (6)	TP23.203x22.268x0.219	348.556	512.069	0.681	0.000	512.069	0.000
L7	121 - 118.5 (7)	TP23.671x23.203x0.219	395.720	528.791	0.748	0.000	528.791	0.000
L8	118.5 - 118.25 (8)	TP23.718x23.671x0.494	400.478	1270.858	0.315	0.000	1270.858	0.000
L9	118.25 - 113.25 (9)	TP24.653x23.718x0.481	497.332	1343.650	0.370	0.000	1343.650	0.000
L10	113.25 - 108.25 (10)	TP25.589x24.653x0.469	597.065	1415.158	0.422	0.000	1415.158	0.000
L11	108.25 - 103.25 (11)	TP26.524x25.589x0.463	699.270	1504.300	0.465	0.000	1504.300	0.000
L12	103.25 - 97.5 (12)	TP27.6x26.524x0.456	752.850	1534.900	0.490	0.000	1534.900	0.000
L13	97.5 - 95.95 (13)	TP27.442x26.517x0.55	873.192	1899.575	0.460	0.000	1899.575	0.000
L14	95.95 - 95 (14)	TP27.617x27.442x0.55	896.425	1924.725	0.466	0.000	1924.725	0.000
L15	95 - 94.75 (15)	TP27.663x27.617x0.8	902.558	2732.275	0.330	0.000	2732.275	0.000
L16	94.75 - 92.5 (16)	TP28.079x27.663x0.788	958.175	2778.575	0.345	0.000	2778.575	0.000
L17	92.5 - 92.25 (17)	TP28.126x28.079x0.55	964.400	1998.458	0.483	0.000	1998.458	0.000
L18	92.25 - 87.75 (18)	TP28.958x28.126x0.538	1077.825	2076.600	0.519	0.000	2076.600	0.000
L19	87.75 - 87.5	TP29.004x28.958x0.863	1084.208	3229.967	0.336	0.000	3229.967	0.000

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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 $\frac{M_{uy}}{\phi M_{ny}}$
L20	(19) 87.5 - 84 (20)	TP29.651x29.004x0.85	1174.483	3337.817	0.352	0.000	3337.817	0.000
L21	84 - 83.75 (21)	TP29.697x29.651x0.613	1181.000	2473.117	0.478	0.000	2473.117	0.000
L22	83.75 - 78.75 (22)	TP30.622x29.697x0.6	1312.700	2583.975	0.508	0.000	2583.975	0.000
L23	78.75 - 73.75 (23)	TP31.546x30.622x0.588	1446.933	2693.208	0.537	0.000	2693.208	0.000
L24	73.75 - 68.75 (24)	TP32.471x31.546x0.588	1583.608	2858.008	0.554	0.000	2858.008	0.000
L25	68.75 - 64.75 (25)	TP33.21x32.471x0.575	1694.683	2933.050	0.578	0.000	2933.050	0.000
L26	64.75 - 64.5 (26)	TP33.257x33.21x0.85	1701.675	4239.367	0.401	0.000	4239.367	0.000
L27	64.5 - 63.25 (27)	TP33.488x33.257x0.85	1736.750	4300.825	0.404	0.000	4300.825	0.000
L28	63.25 - 63 (28)	TP33.534x33.488x0.575	1743.783	2992.008	0.583	0.000	2992.008	0.000
L29	63 - 58 (29)	TP34.459x33.534x0.563	1885.733	3098.342	0.609	0.000	3098.342	0.000
L30	58 - 56.75 (30)	TP34.69x34.459x0.563	1921.583	3141.092	0.612	0.000	3141.092	0.000
L31	56.75 - 56.5 (31)	TP34.736x34.69x0.913	1928.775	4954.075	0.389	0.000	4954.075	0.000
L32	56.5 - 55.25 (32)	TP34.967x34.736x0.913	1964.817	5022.908	0.391	0.000	5022.908	0.000
L33	55.25 - 55 (33)	TP35.013x34.967x0.638	1972.050	3604.633	0.547	0.000	3604.633	0.000
L34	55 - 47.5 (34)	TP36.4x35.013x0.638	2057.775	3720.992	0.553	0.000	3720.992	0.000
L35	47.5 - 47.05 (35)	TP35.88x34.934x0.7	2205.200	4139.800	0.533	0.000	4139.800	0.000
L36	47.05 - 42.05 (36)	TP36.825x35.88x0.688	2355.017	4294.092	0.548	0.000	4294.092	0.000
L37	42.05 - 37.05 (37)	TP37.771x36.825x0.675	2506.800	4446.208	0.564	0.000	4446.208	0.000
L38	37.05 - 34.95 (38)	TP38.169x37.771x0.675	2571.125	4542.800	0.566	0.000	4542.800	0.000
L39	34.95 - 34.7 (39)	TP38.216x38.169x0.988	2578.808	6497.867	0.397	0.000	6497.867	0.000
L40	34.7 - 34.25 (40)	TP38.301x38.216x0.975	2592.650	6451.850	0.402	0.000	6451.850	0.000
L41	34.25 - 34 (41)	TP38.348x38.301x0.675	2600.350	4586.842	0.567	0.000	4586.842	0.000
L42	34 - 29 (42)	TP39.294x38.348x0.663	2755.242	4737.433	0.582	0.000	4737.433	0.000
L43	29 - 26.75 (43)	TP39.72x39.294x0.663	2825.533	4843.292	0.583	0.000	4843.292	0.000
L44	26.75 - 26.5 (44)	TP39.767x39.72x0.95	2833.358	6809.633	0.416	0.000	6809.633	0.000
L45	26.5 - 25.25 (45)	TP40.003x39.767x0.95	2872.600	6893.850	0.417	0.000	6893.850	0.000
L46	25.25 - 25 (46)	TP40.051x40.003x0.663	2880.467	4926.433	0.585	0.000	4926.433	0.000
L47	25 - 20 (47)	TP40.997x40.051x0.65	3038.583	5075.083	0.599	0.000	5075.083	0.000
L48	20 - 16.75 (48)	TP41.611x40.997x0.65	3142.217	5232.183	0.601	0.000	5232.183	0.000
L49	16.75 - 16.5 (49)	TP41.659x41.611x0.763	3150.217	6101.550	0.516	0.000	6101.550	0.000
L50	16.5 - 14.25 (50)	TP42.084x41.659x0.763	3222.392	6230.391	0.517	0.000	6230.391	0.000
L51	14.25 - 14 (51)	TP42.132x42.084x0.725	3230.433	5953.833	0.543	0.000	5953.833	0.000
L52	14 - 9 (52)	TP43.077x42.132x0.713	3392.075	6129.325	0.553	0.000	6129.325	0.000
L53	9 - 4 (53)	TP44.023x43.077x0.713	3555.275	6408.383	0.555	0.000	6408.383	0.000
L54	4 - 0 (54)	TP44.78x44.023x0.7	3686.942	6525.233	0.565	0.000	6525.233	0.000

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Section No.	Elevation ft	Size	Actual V _u K	ϕV_n K	Ratio V _u ϕV_n	Actual T _u kip-ft	ϕT_n kip-ft	Ratio T _u ϕT_n
L1	151 - 146 (1)	TP18.526x17.59x0.219	7.866	226.304	0.035	0.075	364.422	0.000
L2	146 - 141 (2)	TP19.461x18.526x0.219	8.234	235.556	0.035	0.075	402.618	0.000
L3	141 - 136 (3)	TP20.397x19.461x0.219	12.704	247.121	0.051	0.075	442.719	0.000
L4	136 - 131 (4)	TP21.332x20.397x0.219	13.882	260.998	0.053	0.075	484.723	0.000
L5	131 - 126 (5)	TP22.268x21.332x0.219	16.162	272.563	0.059	0.075	528.630	0.000
L6	126 - 121 (6)	TP23.203x22.268x0.219	18.728	284.127	0.066	0.075	574.440	0.000
L7	121 - 118.5 (7)	TP23.671x23.203x0.219	19.026	289.910	0.066	0.069	598.059	0.000
L8	118.5 - 118.25 (8)	TP23.718x23.671x0.494	19.049	646.694	0.029	0.063	1323.758	0.000
L9	118.25 - 113.25 (9)	TP24.653x23.718x0.481	19.702	657.377	0.030	0.043	1397.733	0.000
L10	113.25 - 108.25 (10)	TP25.589x24.653x0.469	20.203	665.414	0.030	0.039	1470.317	0.000
L11	108.25 - 103.25 (11)	TP26.524x25.589x0.463	20.693	681.156	0.030	0.039	1561.525	0.000
L12	103.25 - 97.5 (12)	TP27.6x26.524x0.456	23.757	683.208	0.035	0.197	1592.467	0.000
L13	97.5 - 95.95 (13)	TP27.442x26.517x0.55	24.407	835.816	0.029	0.197	1977.083	0.000
L14	95.95 - 95 (14)	TP27.617x27.442x0.55	24.526	841.276	0.029	0.189	2003.000	0.000
L15	95 - 94.75 (15)	TP27.663x27.617x0.8	24.559	1214.460	0.020	0.184	2869.750	0.000
L16	94.75 - 92.5 (16)	TP28.079x27.663x0.788	24.886	1214.560	0.020	0.177	2915.758	0.000
L17	92.5 - 92.25 (17)	TP28.126x28.079x0.55	24.918	857.080	0.029	0.171	2078.967	0.000
L18	92.25 - 87.75 (18)	TP28.958x28.126x0.538	25.512	863.254	0.030	0.153	2158.067	0.000
L19	87.75 - 87.5 (19)	TP29.004x28.958x0.863	25.542	1371.630	0.019	0.148	3395.350	0.000
L20	87.5 - 84 (20)	TP29.651x29.004x0.85	26.056	1383.440	0.019	0.135	3504.850	0.000
L21	84 - 83.75 (21)	TP29.697x29.651x0.613	26.088	1006.710	0.026	0.129	2575.558	0.000
L22	83.75 - 78.75 (22)	TP30.622x29.697x0.6	26.608	1017.940	0.026	0.128	2688.175	0.000
L23	78.75 - 73.75 (23)	TP31.546x30.622x0.588	27.105	1027.840	0.026	0.128	2799.042	0.000
L24	73.75 - 68.75 (24)	TP32.471x31.546x0.588	27.586	1058.530	0.026	0.128	2968.717	0.000
L25	68.75 - 64.75 (25)	TP33.21x32.471x0.575	27.975	1060.450	0.026	0.127	3044.242	0.000
L26	64.75 - 64.5 (26)	TP33.257x33.21x0.85	27.996	1556.630	0.018	0.127	4437.317	0.000
L27	64.5 - 63.25 (27)	TP33.488x33.257x0.85	28.140	1567.740	0.018	0.127	4500.842	0.000
L28	63.25 - 63 (28)	TP33.534x33.488x0.575	28.161	1070.960	0.026	0.127	3104.908	0.000
L29	63 - 58 (29)	TP34.459x33.534x0.563	28.637	1077.470	0.027	0.127	3212.575	0.000
L30	58 - 56.75 (30)	TP34.69x34.459x0.563	28.757	1084.810	0.027	0.127	3256.533	0.000
L31	56.75 - 56.5 (31)	TP34.736x34.69x0.913	28.772	1744.150	0.016	0.127	5189.192	0.000
L32	56.5 - 55.25 (32)	TP34.967x34.736x0.913	28.915	1756.060	0.016	0.127	5260.358	0.000
L33	55.25 - 55 (33)	TP35.013x34.967x0.638	28.936	1238.410	0.023	0.127	3744.700	0.000
L34	55 - 47.5 (34)	TP36.4x35.013x0.638	29.209	1258.060	0.023	0.127	3864.483	0.000
L35	47.5 - 47.05 (35)	TP35.88x34.934x0.7	29.768	1391.620	0.021	0.127	4306.367	0.000
L36	47.05 - 42.05 (36)	TP36.825x35.88x0.688	30.177	1404.000	0.021	0.127	4463.042	0.000
L37	42.05 - 37.05 (37)	TP37.771x36.825x0.675	30.564	1415.030	0.022	0.127	4617.392	0.000
L38	37.05 - 34.95 (38)	TP38.169x37.771x0.675	30.729	1430.190	0.021	0.127	4716.817	0.000

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Section No.	Elevation ft	Size	Actual V_u K	ϕV_n K	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u kip-ft	ϕT_n kip-ft	Ratio $\frac{T_u}{\phi T_n}$
L39	34.95 - 34.7 (39)	TP38.216x38.169x0.988	30.741	2077.510	0.015	0.127	6803.250	0.000
L40	34.7 - 34.25 (40)	TP38.301x38.216x0.975	30.781	2056.590	0.015	0.127	6752.408	0.000
L41	34.25 - 34 (41)	TP38.348x38.301x0.675	30.803	1437.040	0.021	0.127	4762.142	0.000
L42	34 - 29 (42)	TP39.294x38.348x0.663	31.175	1446.310	0.022	0.127	4914.775	0.000
L43	29 - 26.75 (43)	TP39.72x39.294x0.663	31.334	1462.240	0.021	0.127	5023.667	0.000
L44	26.75 - 26.5 (44)	TP39.767x39.72x0.95	31.340	2083.910	0.015	0.127	7115.417	0.000
L45	26.5 - 25.25 (45)	TP40.003x39.767x0.95	31.455	2096.600	0.015	0.127	7202.367	0.000
L46	25.25 - 25 (46)	TP40.051x40.003x0.663	31.464	1474.640	0.021	0.127	5109.192	0.000
L47	25 - 20 (47)	TP40.997x40.051x0.65	31.805	1482.020	0.021	0.127	5259.692	0.000
L48	20 - 16.75 (48)	TP41.611x40.997x0.65	32.003	1504.600	0.021	0.127	5421.208	0.000
L49	16.75 - 16.5 (49)	TP41.659x41.611x0.763	32.004	1762.200	0.018	0.127	6339.258	0.000
L50	16.5 - 14.25 (50)	TP42.084x41.659x0.763	32.169	1780.540	0.018	0.127	6471.900	0.000
L51	14.25 - 14 (51)	TP42.132x42.084x0.725	32.171	1696.450	0.019	0.127	6178.891	0.000
L52	14 - 9 (52)	TP43.077x42.132x0.713	32.500	1705.790	0.019	0.127	6356.700	0.000
L53	9 - 4 (53)	TP44.023x43.077x0.713	32.810	1743.870	0.019	0.127	6643.708	0.000
L54	4 - 0 (54)	TP44.78x44.023x0.7	33.052	1743.700	0.019	0.127	6761.050	0.000

Pole Interaction Design Data

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
L1	151 - 146 (1)	0.006	0.080	0.000	0.035	0.000	0.087	1.050	4.8.2 ✓
L2	146 - 141 (2)	0.006	0.179	0.000	0.035	0.000	0.186	1.050	4.8.2 ✓
L3	141 - 136 (3)	0.011	0.294	0.000	0.051	0.000	0.307	1.050	4.8.2 ✓
L4	136 - 131 (4)	0.012	0.417	0.000	0.053	0.000	0.432	1.050	4.8.2 ✓
L5	131 - 126 (5)	0.014	0.552	0.000	0.059	0.000	0.569	1.050	4.8.2 ✓
L6	126 - 121 (6)	0.016	0.681	0.000	0.066	0.000	0.701	1.050	4.8.2 ✓
L7	121 - 118.5 (7)	0.016	0.748	0.000	0.066	0.000	0.769	1.050	4.8.2 ✓
L8	118.5 - 118.25 (8)	0.007	0.315	0.000	0.029	0.000	0.323	1.050	4.8.2 ✓
L9	118.25 - 113.25 (9)	0.008	0.370	0.000	0.030	0.000	0.379	1.050	4.8.2 ✓
L10	113.25 - 108.25 (10)	0.008	0.422	0.000	0.030	0.000	0.431	1.050	4.8.2 ✓
L11	108.25 - 103.25 (11)	0.008	0.465	0.000	0.030	0.000	0.474	1.050	4.8.2 ✓
L12	103.25 - 97.5	0.010	0.490	0.000	0.035	0.000	0.501	1.050	4.8.2 ✓

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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
	(12)						✓		
L13	97.5 - 95.95 (13)	0.009	0.460	0.000	0.029	0.000	0.469	1.050	4.8.2 ✓
L14	95.95 - 95 (14)	0.009	0.466	0.000	0.029	0.000	0.475	1.050	4.8.2 ✓
L15	95 - 94.75 (15)	0.006	0.330	0.000	0.020	0.000	0.337	1.050	4.8.2 ✓
L16	94.75 - 92.5 (16)	0.006	0.345	0.000	0.020	0.000	0.351	1.050	4.8.2 ✓
L17	92.5 - 92.25 (17)	0.009	0.483	0.000	0.029	0.000	0.492	1.050	4.8.2 ✓
L18	92.25 - 87.75 (18)	0.009	0.519	0.000	0.030	0.000	0.529	1.050	4.8.2 ✓
L19	87.75 - 87.5 (19)	0.006	0.336	0.000	0.019	0.000	0.342	1.050	4.8.2 ✓
L20	87.5 - 84 (20)	0.006	0.352	0.000	0.019	0.000	0.358	1.050	4.8.2 ✓
L21	84 - 83.75 (21)	0.008	0.478	0.000	0.026	0.000	0.486	1.050	4.8.2 ✓
L22	83.75 - 78.75 (22)	0.009	0.508	0.000	0.026	0.000	0.517	1.050	4.8.2 ✓
L23	78.75 - 73.75 (23)	0.009	0.537	0.000	0.026	0.000	0.547	1.050	4.8.2 ✓
L24	73.75 - 68.75 (24)	0.009	0.554	0.000	0.026	0.000	0.564	1.050	4.8.2 ✓
L25	68.75 - 64.75 (25)	0.009	0.578	0.000	0.026	0.000	0.588	1.050	4.8.2 ✓
L26	64.75 - 64.5 (26)	0.006	0.401	0.000	0.018	0.000	0.408	1.050	4.8.2 ✓
L27	64.5 - 63.25 (27)	0.006	0.404	0.000	0.018	0.000	0.411	1.050	4.8.2 ✓
L28	63.25 - 63 (28)	0.009	0.583	0.000	0.026	0.000	0.593	1.050	4.8.2 ✓
L29	63 - 58 (29)	0.010	0.609	0.000	0.027	0.000	0.619	1.050	4.8.2 ✓
L30	58 - 56.75 (30)	0.010	0.612	0.000	0.027	0.000	0.622	1.050	4.8.2 ✓
L31	56.75 - 56.5 (31)	0.006	0.389	0.000	0.016	0.000	0.396	1.050	4.8.2 ✓
L32	56.5 - 55.25 (32)	0.006	0.391	0.000	0.016	0.000	0.398	1.050	4.8.2 ✓
L33	55.25 - 55 (33)	0.009	0.547	0.000	0.023	0.000	0.556	1.050	4.8.2 ✓
L34	55 - 47.5 (34)	0.009	0.553	0.000	0.023	0.000	0.563	1.050	4.8.2 ✓
L35	47.5 - 47.05 (35)	0.009	0.533	0.000	0.021	0.000	0.542	1.050	4.8.2 ✓
L36	47.05 - 42.05 (36)	0.009	0.548	0.000	0.021	0.000	0.558	1.050	4.8.2 ✓
L37	42.05 - 37.05 (37)	0.009	0.564	0.000	0.022	0.000	0.574	1.050	4.8.2 ✓
L38	37.05 - 34.95	0.010	0.566	0.000	0.021	0.000	0.576	1.050	4.8.2 ✓

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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
	(38)						✓		
L39	34.95 - 34.7 (39)	0.007	0.397	0.000	0.015	0.000	0.404	1.050	4.8.2 ✓
L40	34.7 - 34.25 (40)	0.007	0.402	0.000	0.015	0.000	0.409	1.050	4.8.2 ✓
L41	34.25 - 34 (41)	0.010	0.567	0.000	0.021	0.000	0.577	1.050	4.8.2 ✓
L42	34 - 29 (42)	0.010	0.582	0.000	0.022	0.000	0.592	1.050	4.8.2 ✓
L43	29 - 26.75 (43)	0.010	0.583	0.000	0.021	0.000	0.594	1.050	4.8.2 ✓
L44	26.75 - 26.5 (44)	0.007	0.416	0.000	0.015	0.000	0.423	1.050	4.8.2 ✓
L45	26.5 - 25.25 (45)	0.007	0.417	0.000	0.015	0.000	0.424	1.050	4.8.2 ✓
L46	25.25 - 25 (46)	0.010	0.585	0.000	0.021	0.000	0.595	1.050	4.8.2 ✓
L47	25 - 20 (47)	0.010	0.599	0.000	0.021	0.000	0.610	1.050	4.8.2 ✓
L48	20 - 16.75 (48)	0.011	0.601	0.000	0.021	0.000	0.612	1.050	4.8.2 ✓
L49	16.75 - 16.5 (49)	0.009	0.516	0.000	0.018	0.000	0.526	1.050	4.8.2 ✓
L50	16.5 - 14.25 (50)	0.009	0.517	0.000	0.018	0.000	0.527	1.050	4.8.2 ✓
L51	14.25 - 14 (51)	0.010	0.543	0.000	0.019	0.000	0.553	1.050	4.8.2 ✓
L52	14 - 9 (52)	0.010	0.553	0.000	0.019	0.000	0.564	1.050	4.8.2 ✓
L53	9 - 4 (53)	0.010	0.555	0.000	0.019	0.000	0.565	1.050	4.8.2 ✓
L54	4 - 0 (54)	0.010	0.565	0.000	0.019	0.000	0.576	1.050	4.8.2 ✓

Section Capacity Table

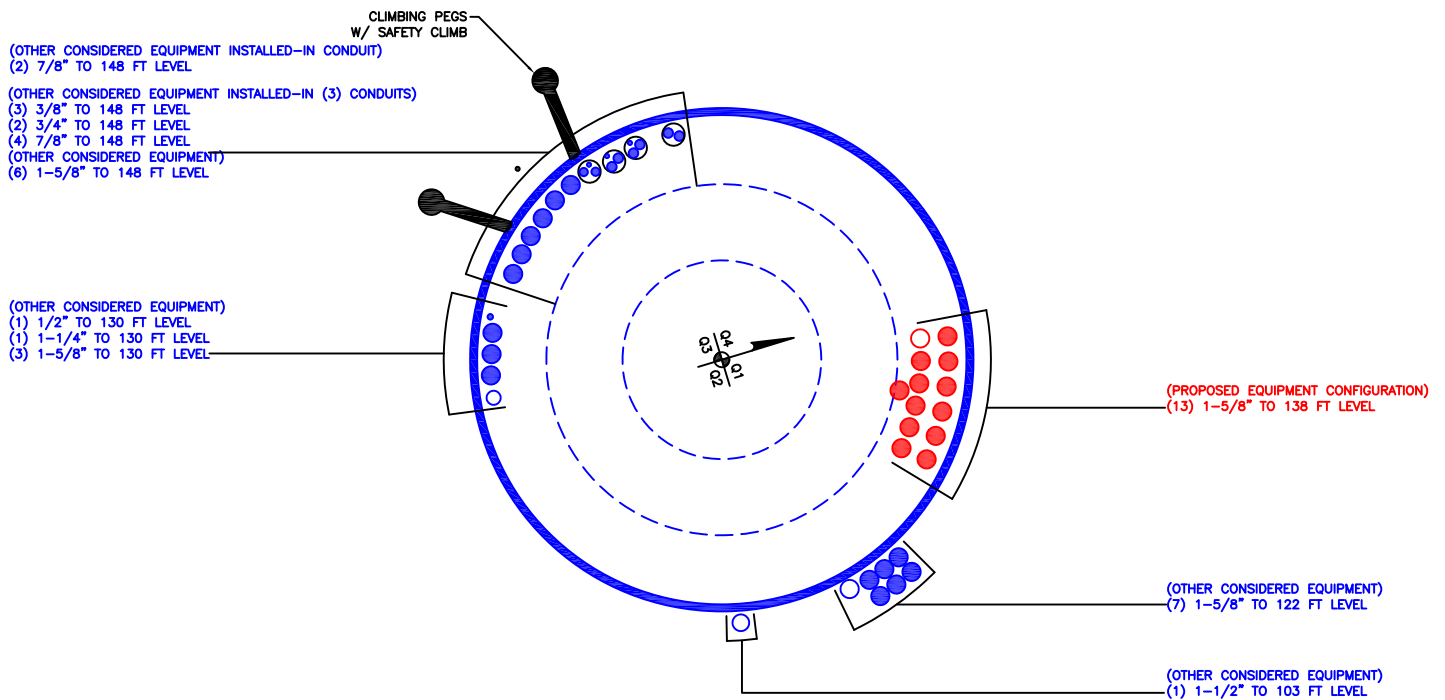
Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
L1	151 - 146	Pole	TP18.526x17.59x0.219	1	-4.709	792.064	**	**
L2	146 - 141	Pole	TP19.461x18.526x0.219	2	-5.080	832.541	**	**
L3	141 - 136	Pole	TP20.397x19.461x0.219	3	-8.816	873.017	**	**
L4	136 - 131	Pole	TP21.332x20.397x0.219	4	-10.084	913.494	**	**
L5	131 - 126	Pole	TP22.268x21.332x0.219	5	-12.337	953.969	**	**
L6	126 - 121	Pole	TP23.203x22.268x0.219	6	-14.969	994.446	**	**
L7	121 - 118.5	Pole	TP23.671x23.203x0.219	7	-15.390	1014.683	**	**
L8	118.5 - 118.25	Pole	TP23.718x23.671x0.494	8	-15.465	2268.000	**	**
L9	118.25 - 113.25	Pole	TP24.653x23.718x0.481	9	-16.496	2300.823	**	**
L10	113.25 - 108.25	Pole	TP25.589x24.653x0.469	10	-17.512	2328.952	**	**

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Section No.	Elevation ft	Component Type	Size	Critical Element	P K	σP_{allow} K	% Capacity	Pass Fail
L11	108.25 - 103.25	Pole	TP26.524x25.589x0.463	11	-18.554	2384.046	**	**
L12	103.25 - 97.5	Pole	TP27.6x26.524x0.456	12	-22.038	2391.228	**	**
L13	97.5 - 95.95	Pole	TP27.442x26.517x0.55	13	-23.762	2925.352	**	**
L14	95.95 - 95	Pole	TP27.617x27.442x0.55	14	-24.008	2944.462	**	**
L15	95 - 94.75	Pole	TP27.663x27.617x0.8	15	-24.097	4250.620	**	**
L16	94.75 - 92.5	Pole	TP28.079x27.663x0.788	16	-24.807	4250.946	**	**
L17	92.5 - 92.25	Pole	TP28.126x28.079x0.55	17	-24.877	2999.776	**	**
L18	92.25 - 87.75	Pole	TP28.958x28.126x0.538	18	-26.023	3021.385	**	**
L19	87.75 - 87.5	Pole	TP29.004x28.958x0.863	19	-26.124	4800.715	**	**
L20	87.5 - 84	Pole	TP29.651x29.004x0.85	20	-27.344	4842.043	**	**
L21	84 - 83.75	Pole	TP29.697x29.651x0.613	21	-27.424	3523.495	**	**
L22	83.75 - 78.75	Pole	TP30.622x29.697x0.6	22	-28.873	3562.786	**	**
L23	78.75 - 73.75	Pole	TP31.546x30.622x0.588	23	-30.360	3597.436	**	**
L24	73.75 - 68.75	Pole	TP32.471x31.546x0.588	24	-31.873	3704.872	**	**
L25	68.75 - 64.75	Pole	TP33.21x32.471x0.575	25	-33.104	3711.571	**	**
L26	64.75 - 64.5	Pole	TP33.257x33.21x0.85	26	-33.216	5448.219	**	**
L27	64.5 - 63.25	Pole	TP33.488x33.257x0.85	27	-33.708	5487.069	**	**
L28	63.25 - 63	Pole	TP33.534x33.488x0.575	28	-33.795	3748.374	**	**
L29	63 - 58	Pole	TP34.459x33.534x0.563	29	-35.354	3771.138	**	**
L30	58 - 56.75	Pole	TP34.69x34.459x0.563	30	-35.748	3796.852	**	**
L31	56.75 - 56.5	Pole	TP34.736x34.69x0.913	31	-35.874	6104.511	**	**
L32	56.5 - 55.25	Pole	TP34.967x34.736x0.913	32	-36.412	6146.227	**	**
L33	55.25 - 55	Pole	TP35.013x34.967x0.638	33	-36.507	4334.442	**	**
L34	55 - 47.5	Pole	TP36.4x35.013x0.638	34	-37.519	4403.217	**	**
L35	47.5 - 47.05	Pole	TP35.88x34.934x0.7	35	-40.624	4870.677	**	**
L36	47.05 - 42.05	Pole	TP36.825x35.88x0.688	36	-42.528	4914.021	**	**
L37	42.05 - 37.05	Pole	TP37.771x36.825x0.675	37	-44.467	4952.619	**	**
L38	37.05 - 34.95	Pole	TP38.169x37.771x0.675	38	-45.291	5005.654	**	**
L39	34.95 - 34.7	Pole	TP38.216x38.169x0.988	39	-45.431	7271.292	**	**
L40	34.7 - 34.25	Pole	TP38.301x38.216x0.975	40	-45.662	7198.075	**	**
L41	34.25 - 34	Pole	TP38.348x38.301x0.675	41	-45.762	5029.647	**	**
L42	34 - 29	Pole	TP39.294x38.348x0.663	42	-47.734	5062.081	**	**
L43	29 - 26.75	Pole	TP39.72x39.294x0.663	43	-48.636	5117.857	**	**
L44	26.75 - 26.5	Pole	TP39.767x39.72x0.95	44	-48.780	7293.678	**	**
L45	26.5 - 25.25	Pole	TP40.003x39.767x0.95	45	-49.427	7338.103	**	**
L46	25.25 - 25	Pole	TP40.051x40.003x0.663	46	-49.537	5161.233	**	**
L47	25 - 20	Pole	TP40.997x40.051x0.65	47	-51.557	5187.063	**	**
L48	20 - 16.75	Pole	TP41.611x40.997x0.65	48	-52.891	5266.096	**	**
L49	16.75 - 16.5	Pole	TP41.659x41.611x0.763	49	-53.027	6167.710	**	**
L50	16.5 - 14.25	Pole	TP42.084x41.659x0.763	50	-54.135	6231.897	**	**
L51	14.25 - 14	Pole	TP42.132x42.084x0.725	51	-54.259	5937.571	**	**
L52	14 - 9	Pole	TP43.077x42.132x0.713	52	-56.538	5970.258	**	**
L53	9 - 4	Pole	TP44.023x43.077x0.713	53	-58.851	6103.545	**	**
L54	4 - 0	Pole	TP44.78x44.023x0.7	54	-60.721	6102.957	**	**
							Summary	
							Pole (L7)	**
							RATING =	**

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

APPENDIX B
BASE LEVEL DRAWING



BUSINESS UNIT: 841295

APPENDIX C
ADDITIONAL CALCULATIONS

Site BU: 841295
Work Order: 2006812

Pole Geometry

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	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	151	53.5	3.45	12	17.59	27.6	0.21875	Auto	A572-65
2	100.95	53.45	4.55	12	26.52	36.4	0.3125	Auto	A572-65
3	52.05	52.05	0	12	34.93	44.78	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
1	0	16.75	plate	MS-850 (1.1875")	2									E1		E1	
2	14.25	26.75	plate	MS-850 (1.1875")	1										E1		
3	0	26.75	plate	MS-850 (1.1875")	2		E1				E1						
4	25.25	34.95	plate	MS-850 (1.1875")	3			E1				E1				E1	
5	34.25	56.75	plate	MS-850 (1.1875")	3		E1				E1				E1		
6	55.25	64.75	plate	MS-650 (1.1875")	3			E1				E1				E1	
7	63.25	87.75	plate	MS-650 (1.1875")	3		E1				E1				E1		
8	84	95	plate	MS-600 (1.1875")	3			E1				E1				E1	
9	92.5	118.5	plate	MS-600 (1.1875")	3		E1				E1				E1		
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	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.250	9.063	1.1875	A572-65
2	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.250	9.063	1.1875	A572-65
3	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.250	9.063	1.1875	A572-65
4	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.250	9.063	1.1875	A572-65
5	8.5	1.25	10.625	0.625	PC 8.8 - M20 (100)	45	PC 8.8 - M20 (100)	45.000	17.250	9.063	1.1875	A572-65
6	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
7	6.5	1.25	8.125	0.625	PC 8.8 - M20 (100)	33	PC 8.8 - M20 (100)	33.000	19.250	6.563	1.1875	A572-65
8	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65
9	6	1	6	0.5	PC 8.8 - M20 (100)	24	PC 8.8 - M20 (100)	24.000	16.375	4.750	1.1875	A572-65

TNX Geometry Input

Increment (ft): [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	151 - 146	5		12	17.590	18.526	0.21875	A572-65	1.000
2	146 - 141	5		12	18.526	19.461	0.21875	A572-65	1.000
3	141 - 136	5		12	19.461	20.397	0.21875	A572-65	1.000
4	136 - 131	5		12	20.397	21.332	0.21875	A572-65	1.000
5	131 - 126	5		12	21.332	22.268	0.21875	A572-65	1.000
6	126 - 121	5		12	22.268	23.203	0.21875	A572-65	1.000
7	121 - 118.5	2.5		12	23.203	23.671	0.21875	A572-65	1.000
8	118.5 - 118.25	0.25		12	23.671	23.718	0.49375	A572-65	0.936
9	118.25 - 113.25	5		12	23.718	24.653	0.48125	A572-65	0.941
10	113.25 - 108.25	5		12	24.653	25.589	0.46875	A572-65	0.947
11	108.25 - 103.25	5		12	25.589	26.524	0.4625	A572-65	0.942
12	103.25 - 100.95	5.75	3.45	12	26.524	27.600	0.45625	A572-65	0.947
13	100.95 - 95.95	5		12	26.517	27.442	0.55	A572-65	0.952
14	95.95 - 95	0.95		12	27.442	27.617	0.55	A572-65	0.949
15	95 - 94.75	0.25		12	27.617	27.663	0.8	A572-65	0.919
16	94.75 - 92.5	2.25		12	27.663	28.079	0.7875	A572-65	0.925
17	92.5 - 92.25	0.25		12	28.079	28.126	0.55	A572-65	0.942
18	92.25 - 87.75	4.5		12	28.126	28.958	0.5375	A572-65	0.952
19	87.75 - 87.5	0.25		12	28.958	29.004	0.8625	A572-65	0.912
20	87.5 - 84	3.5		12	29.004	29.651	0.85	A572-65	0.913
21	84 - 83.75	0.25		12	29.651	29.697	0.6125	A572-65	0.941
22	83.75 - 78.75	5		12	29.697	30.622	0.6	A572-65	0.947
23	78.75 - 73.75	5		12	30.622	31.546	0.5875	A572-65	0.953
24	73.75 - 68.75	5		12	31.546	32.471	0.5875	A572-65	0.941
25	68.75 - 64.75	4		12	32.471	33.210	0.575	A572-65	0.952
26	64.75 - 64.5	0.25		12	33.210	33.257	0.85	A572-65	0.924
27	64.5 - 63.25	1.25		12	33.257	33.488	0.85	A572-65	0.920
28	63.25 - 63	0.25		12	33.488	33.534	0.575	A572-65	0.948
29	63 - 58	5		12	33.534	34.459	0.5625	A572-65	0.957
30	58 - 56.75	1.25		12	34.459	34.690	0.5625	A572-65	0.955
31	56.75 - 56.5	0.25		12	34.690	34.736	0.9125	A572-65	0.915
32	56.5 - 55.25	1.25		12	34.736	34.967	0.9125	A572-65	0.911
33	55.25 - 55	0.25		12	34.967	35.013	0.6375	A572-65	0.947
34	55 - 52.05	7.5	4.55	12	35.013	36.400	0.6375	A572-65	0.940
35	52.05 - 47.05	5		12	34.934	35.880	0.7	A572-65	0.943
36	47.05 - 42.05	5		12	35.880	36.825	0.6875	A572-65	0.949
37	42.05 - 37.05	5		12	36.825	37.771	0.675	A572-65	0.956
38	37.05 - 34.95	2.1		12	37.771	38.169	0.675	A572-65	0.952
39	34.95 - 34.7	0.25		12	38.169	38.216	0.9875	A572-65	0.925
40	34.7 - 34.25	0.45		12	38.216	38.301	0.975	A572-65	0.936
41	34.25 - 34	0.25		12	38.301	38.348	0.675	A572-65	0.950
42	34 - 29	5		12	38.348	39.294	0.6625	A572-65	0.958
43	29 - 26.75	2.25		12	39.294	39.720	0.6625	A572-65	0.953
44	26.75 - 26.5	0.25		12	39.720	39.767	0.95	A572-65	0.938
45	26.5 - 25.25	1.25		12	39.767	40.003	0.95	A572-65	0.935
46	25.25 - 25	0.25		12	40.003	40.051	0.6625	A572-65	0.950
47	25 - 20	5		12	40.051	40.997	0.65	A572-65	0.959
48	20 - 16.75	3.25		12	40.997	41.611	0.65	A572-65	0.953
49	16.75 - 16.5	0.25		12	41.611	41.659	0.7625	A572-65	1.026
50	16.5 - 14.25	2.25		12	41.659	42.084	0.7625	A572-65	1.021
51	14.25 - 14	0.25		12	42.084	42.132	0.725	A572-65	0.962
52	14 - 9	5		12	42.132	43.077	0.7125	A572-65	0.968
53	9 - 4	5		12	43.077	44.023	0.7125	A572-65	0.959
54	4 - 0	4		12	44.023	44.780	0.7	A572-65	0.968

TNX Section Forces

Increment (ft):		TNX Output		
	Section Height (ft)	P _u (K)	M _{ux} (kip-ft)	V _u (K)
1	151 - 146	4.71	28.07	7.87
2	146 - 141	5.08	68.31	8.23
3	141 - 136	8.82	121.50	12.70
4	136 - 131	10.08	186.21	13.88
5	131 - 126	12.34	264.19	16.16
6	126 - 121	14.97	348.56	18.73
7	121 - 118.5	15.39	395.72	19.03
8	118.5 - 118.25	15.47	400.48	19.05
9	118.25 - 113.25	16.50	497.33	19.70
10	113.25 - 108.25	17.51	597.06	20.20
11	108.25 - 103.25	18.55	699.27	20.69
12	103.25 - 100.95	22.04	752.85	23.76
13	100.95 - 95.95	23.76	873.19	24.41
14	95.95 - 95	24.01	896.43	24.53
15	95 - 94.75	24.10	902.56	24.56
16	94.75 - 92.5	24.81	958.17	24.89
17	92.5 - 92.25	24.88	964.40	24.92
18	92.25 - 87.75	26.02	1077.83	25.51
19	87.75 - 87.5	26.12	1084.21	25.54
20	87.5 - 84	27.34	1174.48	26.06
21	84 - 83.75	27.42	1181.00	26.09
22	83.75 - 78.75	28.87	1312.70	26.61
23	78.75 - 73.75	30.36	1446.93	27.10
24	73.75 - 68.75	31.87	1583.60	27.59
25	68.75 - 64.75	33.10	1694.68	27.98
26	64.75 - 64.5	33.22	1701.67	28.00
27	64.5 - 63.25	33.71	1736.75	28.14
28	63.25 - 63	33.79	1743.79	28.16
29	63 - 58	35.35	1885.73	28.64
30	58 - 56.75	35.75	1921.58	28.76
31	56.75 - 56.5	35.87	1928.77	28.77
32	56.5 - 55.25	36.41	1964.82	28.92
33	55.25 - 55	36.51	1972.05	28.94
34	55 - 52.05	37.52	2057.78	29.21
35	52.05 - 47.05	40.62	2205.20	29.77
36	47.05 - 42.05	42.53	2355.02	30.18
37	42.05 - 37.05	44.47	2506.80	30.56
38	37.05 - 34.95	45.29	2571.13	30.73
39	34.95 - 34.7	45.43	2578.81	30.74
40	34.7 - 34.25	45.66	2592.65	30.78
41	34.25 - 34	45.76	2600.35	30.80
42	34 - 29	47.73	2755.24	31.17
43	29 - 26.75	48.64	2825.53	31.33
44	26.75 - 26.5	48.78	2833.36	31.34
45	26.5 - 25.25	49.43	2872.60	31.46
46	25.25 - 25	49.54	2880.46	31.46
47	25 - 20	51.56	3038.59	31.80
48	20 - 16.75	52.89	3142.22	32.00
49	16.75 - 16.5	53.03	3150.22	32.00
50	16.5 - 14.25	54.13	3222.39	32.17
51	14.25 - 14	54.26	3230.43	32.17
52	14 - 9	56.54	3392.07	32.50
53	9 - 4	58.85	3555.27	32.81
54	4 - 0	60.72	3686.94	33.05

Analysis Results

Elevation (ft)	Component Type	Size	Critical Element	% Capacity	Pass / Fail
151 - 146	Pole	TP18.526x17.59x0.2188	Pole	8.3%	Pass
146 - 141	Pole	TP19.461x18.526x0.2188	Pole	17.7%	Pass
141 - 136	Pole	TP20.397x19.461x0.2188	Pole	29.1%	Pass
136 - 131	Pole	TP21.332x20.397x0.2188	Pole	41.0%	Pass
131 - 126	Pole	TP22.268x21.332x0.2188	Pole	54.0%	Pass
126 - 121	Pole	TP23.203x22.268x0.2188	Pole	66.6%	Pass
121 - 118.5	Pole	TP23.671x23.203x0.2188	Pole	73.0%	Pass
118.5 - 118.25	Pole + Reinf.	TP23.718x23.671x0.4938	Reinf. 9 Bolt-Shaft Bearing	48.4%	Pass
118.25 - 113.25	Pole + Reinf.	TP24.653x23.718x0.4813	Reinf. 9 Tension Rupture	55.3%	Pass
113.25 - 108.25	Pole + Reinf.	TP25.589x24.653x0.4688	Reinf. 9 Tension Rupture	62.8%	Pass
108.25 - 103.25	Pole + Reinf.	TP26.524x25.589x0.4625	Reinf. 9 Tension Rupture	69.6%	Pass
103.25 - 100.95	Pole + Reinf.	TP27.6x26.524x0.4563	Reinf. 9 Tension Rupture	73.3%	Pass
100.95 - 95.95	Pole + Reinf.	TP27.442x26.517x0.55	Reinf. 9 Tension Rupture	68.6%	Pass
95.95 - 95	Pole + Reinf.	TP27.617x27.442x0.55	Reinf. 9 Tension Rupture	69.7%	Pass
95 - 94.75	Pole + Reinf.	TP27.663x27.617x0.8	Reinf. 9 Tension Rupture	49.5%	Pass
94.75 - 92.5	Pole + Reinf.	TP28.079x27.663x0.7875	Reinf. 9 Tension Rupture	51.4%	Pass
92.5 - 92.25	Pole + Reinf.	TP28.126x28.079x0.55	Reinf. 8 Tension Rupture	72.8%	Pass
92.25 - 87.75	Pole + Reinf.	TP28.958x28.126x0.5375	Reinf. 8 Tension Rupture	77.6%	Pass
87.75 - 87.5	Pole + Reinf.	TP29.004x28.958x0.8625	Reinf. 8 Tension Rupture	50.1%	Pass
87.5 - 84	Pole + Reinf.	TP29.651x29.004x0.85	Reinf. 8 Tension Rupture	52.6%	Pass
84 - 83.75	Pole + Reinf.	TP29.697x29.651x0.6125	Reinf. 7 Tension Rupture	70.2%	Pass
83.75 - 78.75	Pole + Reinf.	TP30.622x29.697x0.6	Reinf. 7 Tension Rupture	74.4%	Pass
78.75 - 73.75	Pole + Reinf.	TP31.546x30.622x0.5875	Reinf. 7 Tension Rupture	78.3%	Pass
73.75 - 68.75	Pole + Reinf.	TP32.471x31.546x0.5875	Reinf. 7 Tension Rupture	81.9%	Pass
68.75 - 64.75	Pole + Reinf.	TP33.21x32.471x0.575	Reinf. 7 Tension Rupture	84.6%	Pass
64.75 - 64.5	Pole + Reinf.	TP33.257x33.21x0.85	Reinf. 7 Tension Rupture	58.7%	Pass
64.5 - 63.25	Pole + Reinf.	TP33.488x33.257x0.85	Reinf. 7 Tension Rupture	59.4%	Pass
63.25 - 63	Pole + Reinf.	TP33.534x33.488x0.575	Reinf. 6 Tension Rupture	85.7%	Pass
63 - 58	Pole + Reinf.	TP34.459x33.534x0.5625	Reinf. 6 Tension Rupture	88.8%	Pass
58 - 56.75	Pole + Reinf.	TP34.69x34.459x0.5625	Reinf. 6 Tension Rupture	89.6%	Pass
56.75 - 56.5	Pole + Reinf.	TP34.736x34.69x0.9125	Reinf. 6 Tension Rupture	57.2%	Pass
56.5 - 55.25	Pole + Reinf.	TP34.967x34.736x0.9125	Reinf. 6 Tension Rupture	57.7%	Pass
55.25 - 55	Pole + Reinf.	TP35.013x34.967x0.6375	Reinf. 5 Compression	75.9%	Pass
55 - 52.05	Pole + Reinf.	TP36.4x35.013x0.6375	Reinf. 5 Compression	77.4%	Pass
52.05 - 47.05	Pole + Reinf.	TP35.88x34.934x0.7	Reinf. 5 Compression	74.5%	Pass
47.05 - 42.05	Pole + Reinf.	TP36.825x35.88x0.6875	Reinf. 5 Compression	76.4%	Pass
42.05 - 37.05	Pole + Reinf.	TP37.771x36.825x0.675	Reinf. 5 Compression	78.2%	Pass
37.05 - 34.95	Pole + Reinf.	TP38.169x37.771x0.675	Reinf. 5 Compression	78.8%	Pass
34.95 - 34.7	Pole + Reinf.	TP38.216x38.169x0.9875	Reinf. 4 Bolt Shear	57.2%	Pass
34.7 - 34.25	Pole + Reinf.	TP38.301x38.216x0.975	Reinf. 5 Bolt Shear	57.3%	Pass
34.25 - 34	Pole + Reinf.	TP38.348x38.301x0.675	Reinf. 4 Compression	79.2%	Pass
34 - 29	Pole + Reinf.	TP39.294x38.348x0.6625	Reinf. 4 Compression	80.7%	Pass
29 - 26.75	Pole + Reinf.	TP39.72x39.294x0.6625	Reinf. 4 Compression	81.4%	Pass
26.75 - 26.5	Pole + Reinf.	TP39.767x39.72x0.95	Reinf. 2 Bolt Shear	59.5%	Pass
26.5 - 25.25	Pole + Reinf.	TP40.003x39.767x0.95	Reinf. 4 Bolt Shear	59.8%	Pass
25.25 - 25	Pole + Reinf.	TP40.051x40.003x0.6625	Reinf. 2 Compression	81.9%	Pass
25 - 20	Pole + Reinf.	TP40.997x40.051x0.65	Reinf. 2 Compression	83.2%	Pass
20 - 16.75	Pole + Reinf.	TP41.611x40.997x0.65	Reinf. 2 Compression	84.0%	Pass
16.75 - 16.5	Pole + Reinf.	TP41.659x41.611x0.7625	Reinf. 3 Compression	77.2%	Pass
16.5 - 14.25	Pole + Reinf.	TP42.084x41.659x0.7625	Reinf. 3 Compression	77.8%	Pass
14.25 - 14	Pole + Reinf.	TP42.132x42.084x0.725	Reinf. 3 Compression	78.3%	Pass
14 - 9	Pole + Reinf.	TP43.077x42.132x0.7125	Reinf. 3 Compression	79.4%	Pass
9 - 4	Pole + Reinf.	TP44.023x43.077x0.7125	Reinf. 3 Compression	80.5%	Pass
4 - 0	Pole + Reinf.	TP44.78x44.023x0.7	Reinf. 3 Bolt Shear	84.1%	Pass
				Summary	
			Pole	73.0%	Pass
			Reinforcement	89.6%	Pass
			Overall	89.6%	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	R6	R7	R8	R9
151 - 146	552	n/a	552	12.88	n/a	12.88	8.3%									
146 - 141	641	n/a	641	13.53	n/a	13.53	17.7%									
141 - 136	740	n/a	740	14.19	n/a	14.19	29.1%									
136 - 131	847	n/a	847	14.85	n/a	14.85	41.0%									
131 - 126	965	n/a	965	15.51	n/a	15.51	54.0%									
126 - 121	1093	n/a	1093	16.17	n/a	16.17	66.6%									
121 - 118.5	1161	n/a	1161	16.50	n/a	16.50	73.0%									
118.5 - 118.25	1168	1402	2571	16.53	18.00	34.53	32.3%									48.4%
118.25 - 113.25	1313	1508	2822	17.19	18.00	35.19	38.6%									55.3%
113.25 - 108.25	1470	1618	3088	17.84	18.00	35.84	44.6%									62.8%
108.25 - 103.25	1639	1732	3371	18.50	18.00	36.50	50.3%									69.6%
103.25 - 100.95	1720	1786	3506	18.81	18.00	36.81	53.5%									73.3%
100.95 - 95.95	2568	1848	4416	27.26	18.00	45.26	43.8%									68.6%
95.95 - 95	2618	1870	4489	27.44	18.00	45.44	44.6%									69.7%
95 - 94.75	2631	3753	6384	27.48	36.00	63.48	31.6%								49.5%	49.5%
94.75 - 92.5	2753	3861	6614	27.90	36.00	63.90	33.0%								51.4%	51.4%
92.5 - 92.25	2767	1936	4704	27.95	18.00	45.95	46.8%								72.8%	
92.25 - 87.75	3023	2047	5070	28.78	18.00	46.78	50.4%								77.6%	
87.75 - 87.5	3038	4887	7924	28.83	42.38	71.20	32.6%							49.5%	50.1%	
87.5 - 84	3248	5095	8343	29.48	42.38	71.85	34.5%							52.0%	52.6%	
84 - 83.75	3263	2963	6226	29.53	24.38	53.90	46.6%							70.2%		
83.75 - 78.75	3581	3140	6721	30.46	24.38	54.83	49.9%							74.4%		
78.75 - 73.75	3919	3322	7241	31.38	24.38	55.76	53.2%							78.3%		
73.75 - 68.75	4277	3509	7786	32.31	24.38	56.69	56.3%							81.9%		
68.75 - 64.75	4579	3663	8242	33.06	24.38	57.43	58.8%							84.6%		
64.75 - 64.5	4598	7345	11943	33.10	48.75	81.85	40.8%						58.7%	58.7%		
64.5 - 63.25	4696	7442	12138	33.33	48.75	82.08	41.4%						59.4%	59.4%		
63.25 - 63	4716	3731	8447	33.38	24.38	57.76	59.8%						85.7%			
63 - 58	5120	3930	9050	34.31	24.38	58.69	62.7%						88.8%			
58 - 56.75	5225	3980	9205	34.54	24.38	58.92	63.5%						89.6%			
56.75 - 56.5	5246	9248	14494	34.59	56.25	90.84	40.5%					56.4%	57.2%			
56.5 - 55.25	5352	9365	14718	34.82	56.25	91.07	41.1%					55.0%	57.7%			
55.25 - 55	5374	5338	10712	34.87	31.88	66.74	56.7%					75.9%				
55 - 52.05	5631	5496	11128	35.42	31.88	67.29	58.3%					77.4%				
52.05 - 47.05	6907	5591	12498	42.81	31.88	74.69	52.4%					74.5%				
47.05 - 42.05	7474	5874	13349	43.95	31.88	75.83	54.2%					76.4%				
42.05 - 37.05	8071	6165	14236	45.09	31.88	76.97	56.1%					78.2%				
37.05 - 34.95	8331	6289	14620	45.57	31.88	77.45	56.8%					78.8%				
34.95 - 34.7	8363	12608	20970	45.63	63.75	109.38	39.8%				57.2%	55.2%				
34.7 - 34.25	8419	12661	21081	45.73	63.75	109.48	39.9%				55.3%	57.3%				
34.25 - 34	8451	6346	14796	45.79	31.88	77.66	57.1%				79.2%					
34 - 29	9098	6648	15746	46.93	31.88	78.80	58.9%				80.7%					
29 - 26.75	9400	6786	16186	47.44	31.88	79.32	59.6%				81.4%					
26.75 - 26.5	9434	13603	23036	47.50	63.75	111.25	42.1%		59.5%	59.5%	57.4%					
26.5 - 25.25	9605	13758	23362	47.78	63.75	111.53	42.4%		57.7%	57.7%	59.8%					
25.25 - 25	9639	6894	16533	47.84	31.88	79.71	60.2%		81.9%	81.9%						
25 - 20	10345	7209	17554	48.98	31.88	80.86	61.8%		83.2%	83.2%						
20 - 16.75	10822	7418	18240	49.72	31.88	81.60	62.9%		84.0%	84.0%						
16.75 - 16.5	11042	10621	21663	49.78	53.13	102.90	57.9%	59.6%	52.5%	77.2%						
16.5 - 14.25	11385	10831	22216	50.29	53.13	103.42	58.6%	58.0%	54.9%	77.8%						
14.25 - 14	11291	9973	21264	50.35	42.50	92.85	60.3%	70.1%		78.3%						
14 - 9	12075	10408	22483	51.49	42.50	93.99	61.8%	71.2%		79.4%						
9 - 4	12893	10853	23746	52.63	42.50	95.13	63.3%	72.2%		80.5%						
4 - 0	13574	11216	24790	53.54	42.50	96.04	64.4%	75.6%		84.1%						

Note: Section capacity checked using 5 degree increments.
Rating per TIA-222-H Section 15.5.

Monopole Base Plate Connection

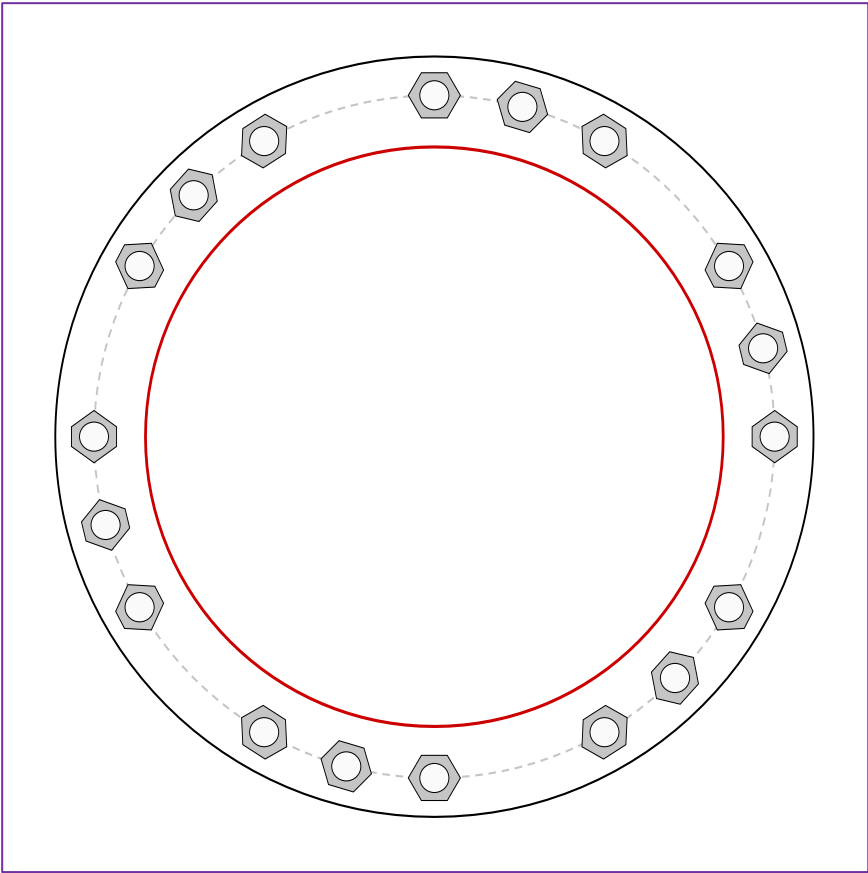


Site Info	
BU #	841295
Site Name	BETHANY, CT
Order #	582523 Rev# 0

Analysis Considerations	
TIA-222 Revision	H
Grout Considered:	See Custom Sheet
l _{ar} (in)	See Custom Sheet

Applied Loads	
Moment (kip-ft)	3686.94
Axial Force (kips)	60.72
Shear Force (kips)	33.05

*TIA-222-H Section 15.5 Applied



Connection Properties		Analysis Results	
Anchor Rod Data		Anchor Rod Summary <i>(units of kips, kip-in)</i>	
GROUP 1: (12) 2-1/4" $\varnothing$ bolts (A615-75 N; F _y =75 ksi, F _u =100 ksi) on 52.75" BC		GROUP 1:	
GROUP 2: (6) 2-1/4" $\varnothing$ bolts (Williams N; F _y =127.7 ksi, F _u =125 ksi) on 52.75" BC		Pu _t = 166.56	ϕ Pn _t = 243.75 Stress Rating
Base Plate Data		Vu = 2.75	ϕ Vn = 149.1 65.1%
58.75" OD x 3" Plate (S-128; F _y =60 ksi, F _u =80 ksi)		Mu = n/a	ϕ Mn = n/a Pass
Stiffener Data		GROUP 2:	
N/A		Pu _t = 215.45	ϕ Pn _t = 382.5 Stress Rating
Pole Data		Vu = 0	ϕ Vn = 191.25 53.6%
44.78" x 0.375" 12-sided pole (A572-65; F _y =65 ksi, F _u =80 ksi)		Mu = n/a	ϕ Mn = n/a Pass
		Base Plate Summary	
		Max Stress (ksi):	30.5 (Flexural)
		Allowable Stress (ksi):	54
		Stress Rating:	53.8% Pass

Elevation (ft)

0

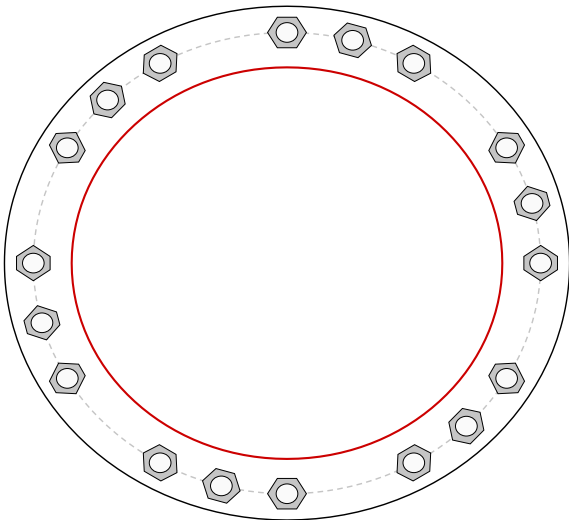
(Base)

note: Bending interaction not considered when Grout Considered = "Yes"

Bolt Group	Resist Axial	Resist Shear	Induce Plate Bending	Grout Considered	Apply at BARB Elevation	BARB CL Elevation (ft)
1	Yes	Yes	Yes	Yes	No	
2	No	No	Yes	No	No	

Custom Bolt Connection										
Bolt	Bolt Group ID	Location (deg.)	Diameter (in)	Material	Bolt Circle (in)	Eta Factor, η :	I_{ar} (in):	Thread Type	Area Override, in^2	Tension Only
1	1	0	2.25	A615-75	52.75	0.5	0	N-Included		No
2	1	30	2.25	A615-75	52.75	0.5	0	N-Included		No
3	1	60	2.25	A615-75	52.75	0.5	0	N-Included		No
4	1	90	2.25	A615-75	52.75	0.5	0	N-Included		No
5	1	120	2.25	A615-75	52.75	0.5	0	N-Included		No
6	1	150	2.25	A615-75	52.75	0.5	0	N-Included		No
7	1	180	2.25	A615-75	52.75	0.5	0	N-Included		No
8	1	210	2.25	A615-75	52.75	0.5	0	N-Included		No
9	1	240	2.25	A615-75	52.75	0.5	0	N-Included		No
10	1	270	2.25	A615-75	52.75	0.5	0	N-Included		No
11	1	300	2.25	A615-75	52.75	0.5	0	N-Included		No
12	1	330	2.25	A615-75	52.75	0.5	0	N-Included		No
13	2	15	2.25	Williams	52.75	0.5	0	N-Included	4.08	No
14	2	75	2.25	Williams	52.75	0.5	0	N-Included	4.08	No
15	2	135	2.25	Williams	52.75	0.5	0	N-Included	4.08	No
16	2	195	2.25	Williams	52.75	0.5	0	N-Included	4.08	No
17	2	255	2.25	Williams	52.75	0.5	0	N-Included	4.08	No
18	2	315	2.25	Williams	52.75	0.5	0	N-Included	4.08	No

Plot Graphic



Pier and Pad Foundation



BU # : 841295
 Site Name: BETHANY, CT
 App. Number: 582523 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	60.73	kips
Base Shear, V_u : $_{comp}$:	33.03	kips
Moment, M_u :	3686.94	ft-kips
Tower Height, H :	151	ft
BP Dist. Above Fdn, bp_{dist} :	3.75	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, $dpier$:	6	ft
Ext. Above Grade, E :	0.4	ft
Pier Rebar Size, Sc :	11	
Pier Rebar Quantity, mc :	40	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	9	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	7.6	ft
Pad Width, W_1 :	25	ft
Pad Thickness, T :	6	ft
Pad Rebar Size (Top dir.2), Sp_{top2} :	7	
Pad Rebar Quantity (Top dir. 2), mp_{top2} :	20	
Pad Rebar Size (Bottom dir. 2), Sp_2 :	7	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	32	
Pad Clear Cover, cc_{pad} :	6	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	3	ksi
Dry Concrete Density, δc :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	100	pcf
Ultimate Gross Bearing, Q_{ult} :	30.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	30	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.5	
Neglected Depth, N :	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	3.3	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Lateral (Sliding) (kips)	284.59	33.03	11.1%	Pass
Bearing Pressure (ksf)	22.50	2.55	11.4%	Pass
Overturning (kip*ft)	6084.77	3961.50	65.1%	Pass
Pier Flexure (Comp.) (kip*ft)	7553.70	3753.00	47.3%	Pass
Pier Compression (kip)	17184.96	73.69	0.4%	Pass
Pad Flexure (kip*ft)	5523.95	1729.84	29.8%	Pass
Pad Shear - 1-way (kips)	1594.39	182.33	10.9%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.164	0.013	7.2%	Pass
Flexural 2-way (Comp) (kip*ft)	8671.41	2251.80	24.7%	Pass

*Rating per TIA-222-H Section 15.5

Structural Rating*:	47.3%
Soil Rating*:	65.1%

<--Toggle between Gross and Net

Pier and Pad Foundation



BU #: 841295
 Site Name: BETHANY, CT
 App. Number: 582523 Rev. 0

TIA-222 Revision: H
 Tower Type: Monopole

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

Superstructure Analysis Reactions		
Compression, P_{comp} :	61	kips
Base Shear, V_{u_comp} :	33	kips
Moment, M_u :	2472.99	ft-kips
Tower Height, H :	151	ft
BP Dist. Above Fdn, bp_{dist} :	3.75	in

Pier Properties		
Pier Shape:	Square	
Pier Diameter, $dpier$:	6	ft
Ext. Above Grade, E :	0.4	ft
Pier Rebar Size, Sc :	11	
Pier Rebar Quantity, mc :	40	
Pier Tie/Spiral Size, St :	4	
Pier Tie/Spiral Quantity, mt :	9	
Pier Reinforcement Type:	Tie	
Pier Clear Cover, cc_{pier} :	3	in

Pad Properties		
Depth, D :	7.5	ft
Pad Width, W_1 :	22	ft
Pad Thickness, T :	3	ft
Pad Rebar Size (Top dir.2), Sp_{top2} :	7	
Pad Rebar Quantity (Top dir. 2), mp_{top2} :	24	
Pad Rebar Size (Bottom dir. 2), Sp_2 :	7	
Pad Rebar Quantity (Bottom dir. 2), mp_2 :	28	
Pad Clear Cover, cc_{pad} :	3	in

Material Properties		
Rebar Grade, F_y :	60	ksi
Concrete Compressive Strength, F'_c :	3	ksi
Dry Concrete Density, δc :	150	pcf

Soil Properties		
Total Soil Unit Weight, γ :	100	pcf
Ultimate Gross Bearing, Q_{ult} :	30.000	ksf
Cohesion, C_u :	0.000	ksf
Friction Angle, ϕ :	30	degrees
SPT Blow Count, N_{blows} :		
Base Friction, μ :	0.5	
Neglected Depth, N :	3.33	ft
Foundation Bearing on Rock?	No	
Groundwater Depth, gw :	3.3	ft

Foundation Analysis Checks				
	Capacity	Demand	Rating*	Check
Pier Compression (kip)	17184.96	89.52	0.5%	Pass
Pad Flexure (kip*ft)	2338.98	1341.26	54.6%	Pass
Pad Shear - 1-way (kips)	687.30	223.96	31.0%	Pass
Pad Shear - 2-way (Comp) (ksi)	0.164	0.000	0.0%	Pass
Flexural 2-way (Comp) (kip*ft)	2929.40	1580.81	51.4%	Pass

*Rating per TIA-222-H Section 15.5

Structural Rating*:	54.6%
---------------------	-------

One Dowel Capacit 19.4 kips
 Orthogonal 691.94 kip-ft
 Diagonal 607.01 kip-ft

For Two Layers total moment taken by dowels
 = 1214.01 kip-ft

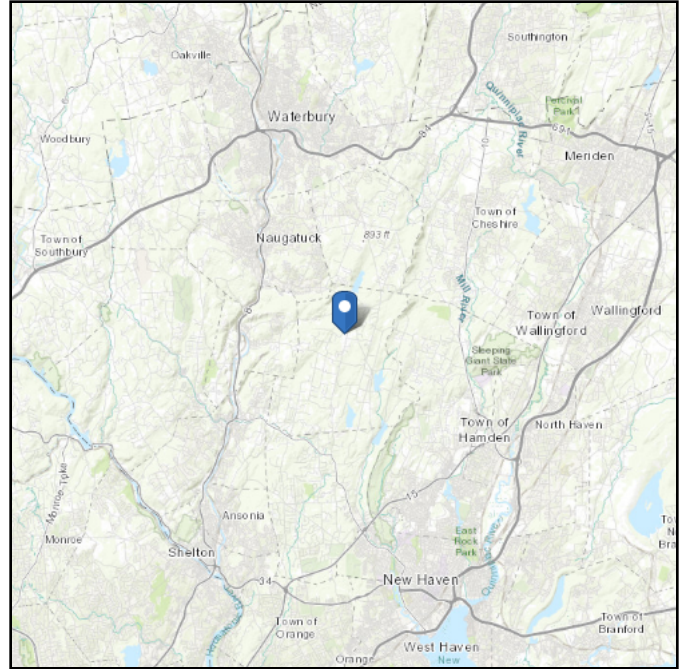
<--Toggle between Gross and Net

ASCE 7 Hazards Report

Address:
No Address at This
Location

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

Elevation: 741.6 ft (NAVD 88)
Latitude: 41.442758
Longitude: -72.992461

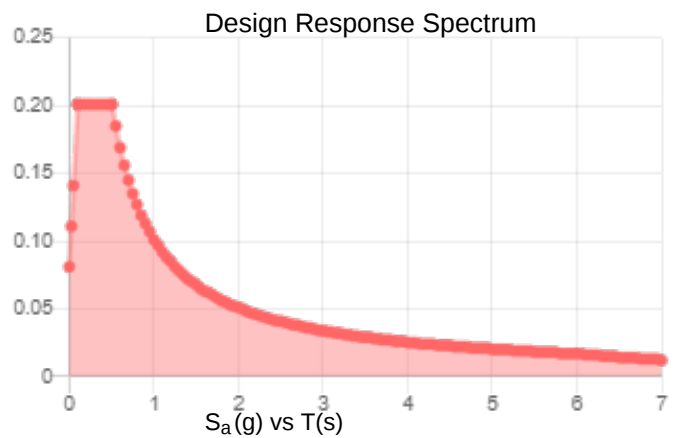
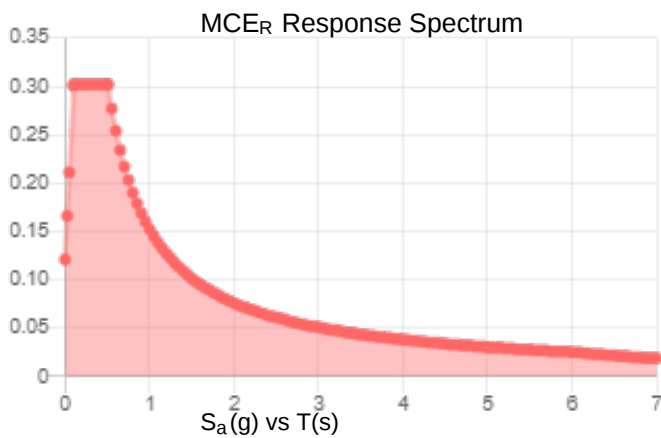


Site Soil Class: D - Stiff Soil

Results:

S_S :	0.189	S_{DS} :	0.201
S_1 :	0.063	S_{D1} :	0.101
F_a :	1.6	T_L :	6
F_v :	2.4	PGA :	0.098
S_{MS} :	0.302	PGA_M :	0.158
S_{M1} :	0.152	F_{PGA} :	1.6
		I_e :	1

Seismic Design Category B



Data Accessed:

Tue Aug 03 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: Tue Aug 03 2021

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

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

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

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

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

Exhibit E

Mount Analysis



Maser Consulting Connecticut
2000 Midlantic Drive, Suite 100
Mount Laurel, NJ 08054
856.797.0412
Peter.Albano@colliersengineering.com

Antenna Mount Analysis Report and PMI Requirements

Mount Analysis

SMART Tool Project #: 10071803
Maser Consulting Connecticut Project #: 21781025A

July 22, 2021

Site Information

Site ID: 468546-VZW / BETHANY NORTH CT
Site Name: BETHANY NORTH CT
Carrier Name: Verizon Wireless
Address: 719 Amity Road
Bethany, Connecticut 06524,
New Haven County
Latitude: 41.442757°
Longitude: -72.992458°

Structure Information

Tower Type: 150-Ft Monopole
Mount Type: 11.50-Ft Platform

FUZE ID # 16244161

Analysis Results

Platform: 58.8% 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: Sarah Ali



Digitally signed by Justin Linette
Date: 2021.07.23 12:02:56-04'00'

Executive Summary:

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

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

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	Verizon RFDS, Site ID: 630919, dated July 15, 2021
Mount Mapping Report	Hudson Design Group, LLC. Site ID 468546, dated June 12, 2021

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 118 mph Ice Wind Speed (3-sec. Gust): 50 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: C Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.974
Seismic Parameters:	S_s : 0.199 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
137.00	140.00	6	Commscope	NHH-65B-R2B	Retained
		3	Decibel	DB854DG65ESX	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RHSDC-6627-PF-48	
		3	Samsung	MT6407-77A	Added

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

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

Standard Conditions:

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

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped by Maser Consulting Connecticut, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Maser Consulting Connecticut is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325

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>	<i>18.7%</i>	<i>Pass</i>
<i>Standoff Horizontal</i>	<i>43.7%</i>	<i>Pass</i>
<i>Support Rail</i>	<i>28.3%</i>	<i>Pass</i>
<i>Corner Plate</i>	<i>16.9%</i>	<i>Pass</i>
<i>Platform Crossmember</i>	<i>15.3%</i>	<i>Pass</i>
<i>Grating Support</i>	<i>18.6%</i>	<i>Pass</i>
<i>Mount Pipe</i>	<i>42.0%</i>	<i>Pass</i>
<i>Cross Arm Plate</i>	<i>29.4%</i>	<i>Pass</i>
<i>Support Rail Kicker</i>	<i>5.1%</i>	<i>Pass</i>
<i>Kicker Angle</i>	<i>6.5%</i>	<i>Pass</i>
<i>Support Rail Angle Brace</i>	<i>13.0%</i>	<i>Pass</i>
<i>Support Rail Pipe Brace</i>	<i>2.8%</i>	<i>Pass</i>
<i>Connection Check</i>	<i>58.8%</i>	<i>Pass</i>

Structure Rating – (Controlling Utilization of all Components)	58.8%
---	--------------

Recommendation:

The existing mount is **SUFFICIENT** for the final loading configuration and do not require modifications.

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

Attachments:

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



Mount Pipe Configuration and Geometries [Unit = Inches]							
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2" STD. PIPE X 72" LONG	64.50	10.00	C1	2" STD. PIPE X 72" LONG	64.50	10.00
A2	2" STD. PIPE X 72" LONG	64.50	35.00	C2	2" STD. PIPE X 72" LONG	64.50	35.00
A3	2" STD. PIPE X 72" LONG	64.50	103.00	C3	2" STD. PIPE X 72" LONG	64.50	103.00
A4	2" STD. PIPE X 72" LONG	64.50	128.00	C4	2" STD. PIPE X 72" LONG	64.50	128.00
A5				C5			
A6				C6			
B1	2" STD. PIPE X 72" LONG	64.50	10.00	D1			
B2	2" STD. PIPE X 72" LONG	64.50	35.00	D2			
B3	2" STD. PIPE X 72" LONG	64.50	103.00	D3			
B4	2" STD. PIPE X 72" LONG	64.50	128.00	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.) :							9
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.							
MONOPOLE WALL THICKNESS: .250"							
Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):					18.5
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.							0.325

[illegible]

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	PAINT IS CHIPPING AT THE EDGE OF MONOPOLE SECTION	187
2	NO SAFETY CABLE PRESENT, REPLACED WITH STEP BOLT ANCHOR BRACKETS	17
3		
4		
5		
6		
7		
8		

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

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

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



Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	CROWN CASTLE	Mapping Date:	6/12/2021
Site Name:	BETHANY NORTH CT	Tower Type:	Monopole
Site Number or ID:	468546	Tower Height (Ft.):	150
Mapping Contractor:	HUDSON DESIGN GROUP, LLC.	Mount Elevation (Ft.):	136

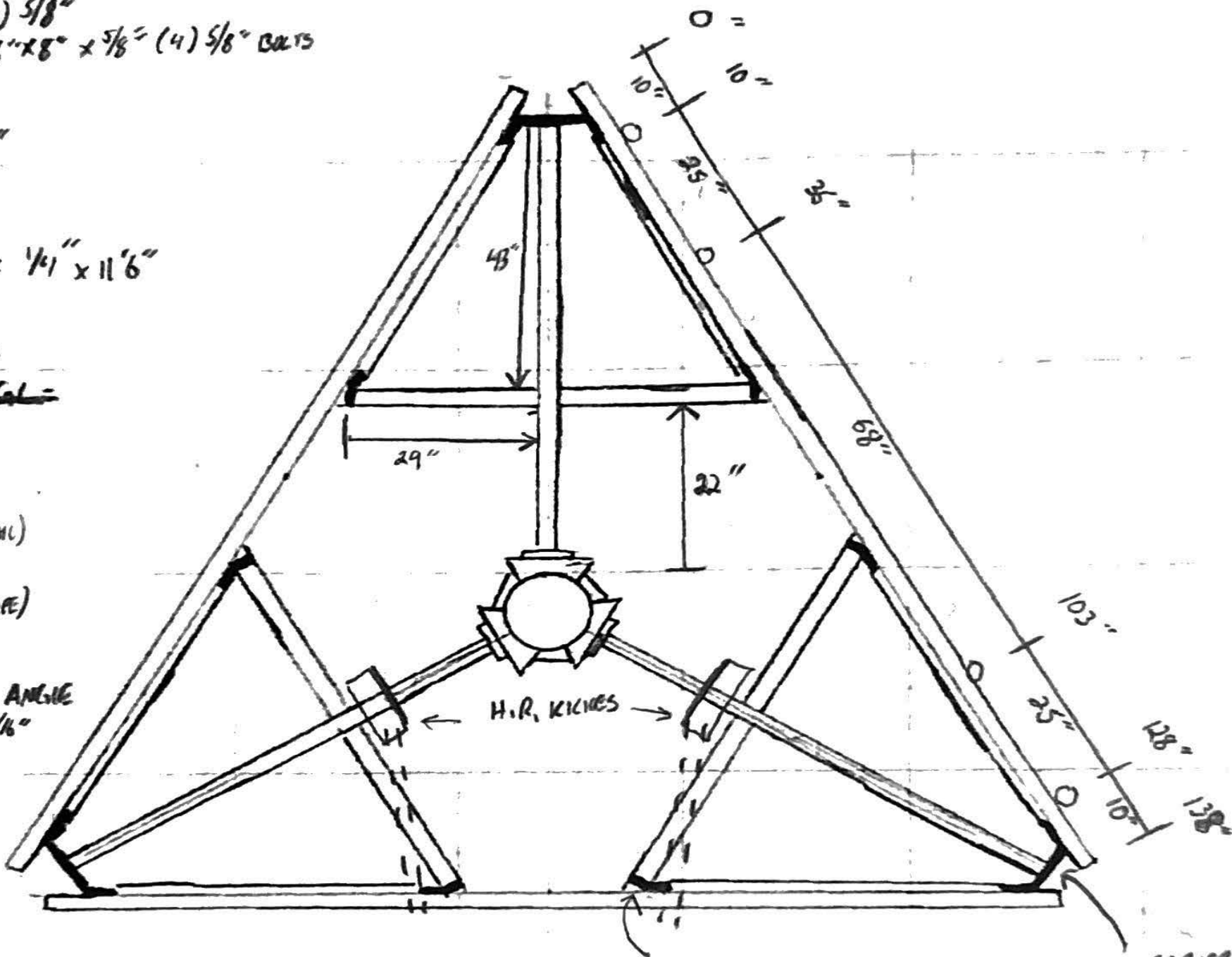
This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is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

Please Insert Sketches of the Antenna Mount

TOT = 150' EST
MOUNT CL = 136' AGL (FACE)
TOWER D = 18 1/2"
WALL = 1/4"
COLLAR = 9" x 5/8" PMS (64-70)
- T ROD = (3) 5/8"
- PLATE = 8" x 8" x 5/8" (4) 5/8" BOLTS
HSS = 4" x 4"
WALL = 1/4"
T-F = 39"
T-A = 69"
FACE PIPE = 3" x 1/4" x 11'6"
~~DOWN~~
~~ANT MAST~~
~~TOP OF MAST AGL~~

CROSS PLATES
7' x 7' x 3/8" (HAND RAIL)
1/2" U.B.
6 1/4' x 8" x 3/8" (FACE PIPE)
1/2" U.B.

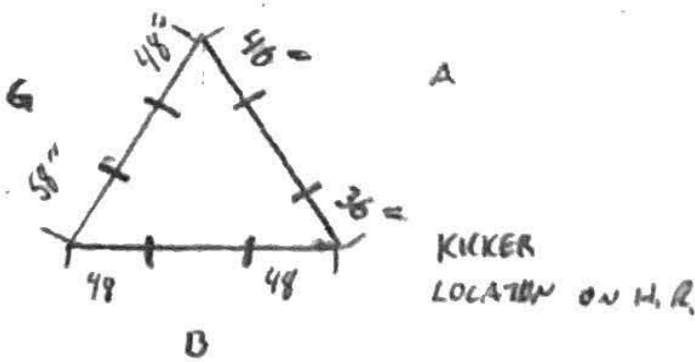
GRATING, ANGLE
2' x 8" x 3/8"



FACE PLATE
5 1/2" x 3'0" x 6" x 3/8"
1/2" U.B.

CORNER PLATE
13" x 3" x 3" x 6" x 1/2"
1/2" U.B.

HAND RAIL/HAND RAIL KICKER
PMS (71-73, 76-81, 92-110,
126-137,
H.R. V-SEP = 44"
HAND RAIL 2'6" x 3/8"



7" X 7" X 3/8" THK.
CROSSOVER PLATE

1/2"Ø U-BOLTS (TYP.)

**CROSSOVER PLATE DETAIL
AT HAND RAIL**

"C" 8" X 6-1/4" X 3/8"
THK. CROSSOVER PLATE

1/2"Ø U-BOLTS
(TYP.)

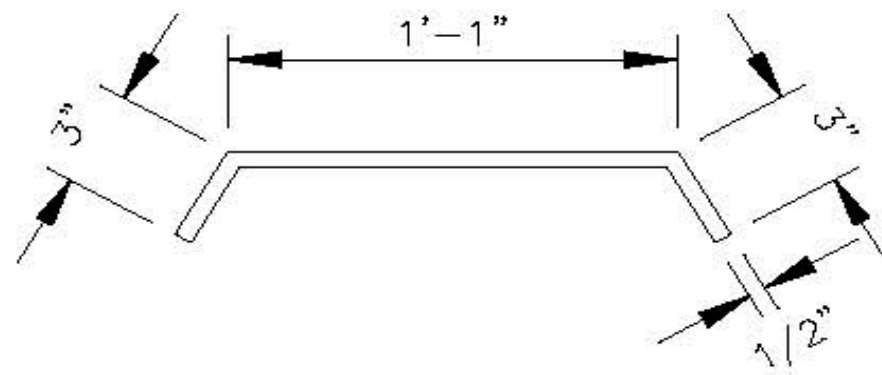
**CROSSOVER PLATE
DETAIL AT FACE PIPE**

∠2-1/2"X2-1/2"X3/8" THK.

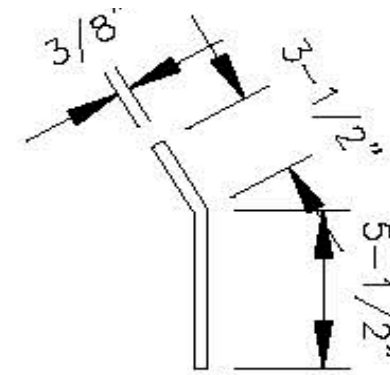
∅6"X6"X3/8" THK.
W/ (2) U-BOLTS

2-1/2"Ø STD. HANDRAIL

HANDRAIL APEX SUPPORT DETAIL



APEX "A" PLATE DETAIL



"B" PLATE DETAIL

KICKER BRACE (TYP.)

HSS 4"X4" (TYP.)

∠6"X4"X1/2" THK. W/
(4) 1/2"Ø T.R. (TYP.)

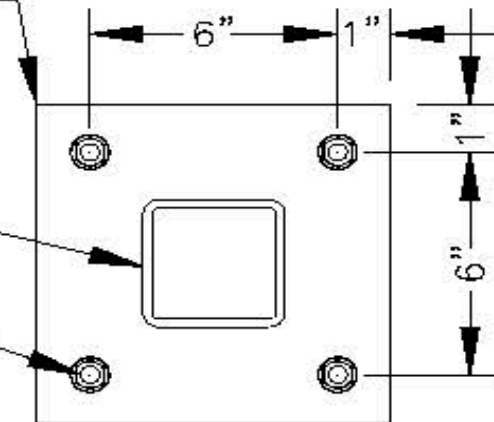
KICKER BRACE DETAIL

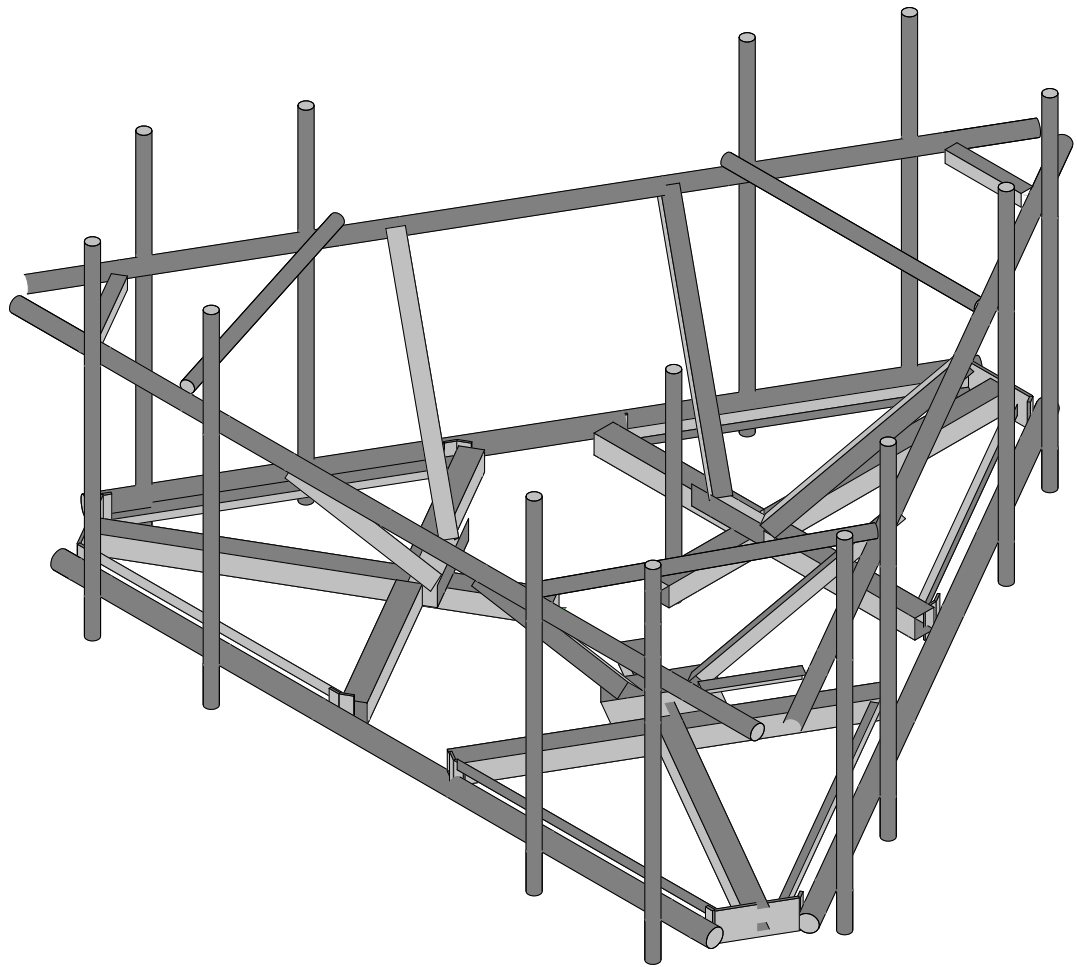
8" X 8" X 5/8" THK.
PLATE

HSS 4" X 4"

(4) 5/8"Ø BOLTS

**STANDOFF TO RING
MOUNT CONNECTION**





Envelope Only Solution

Maser Consulting

SEA

Mount Analysis

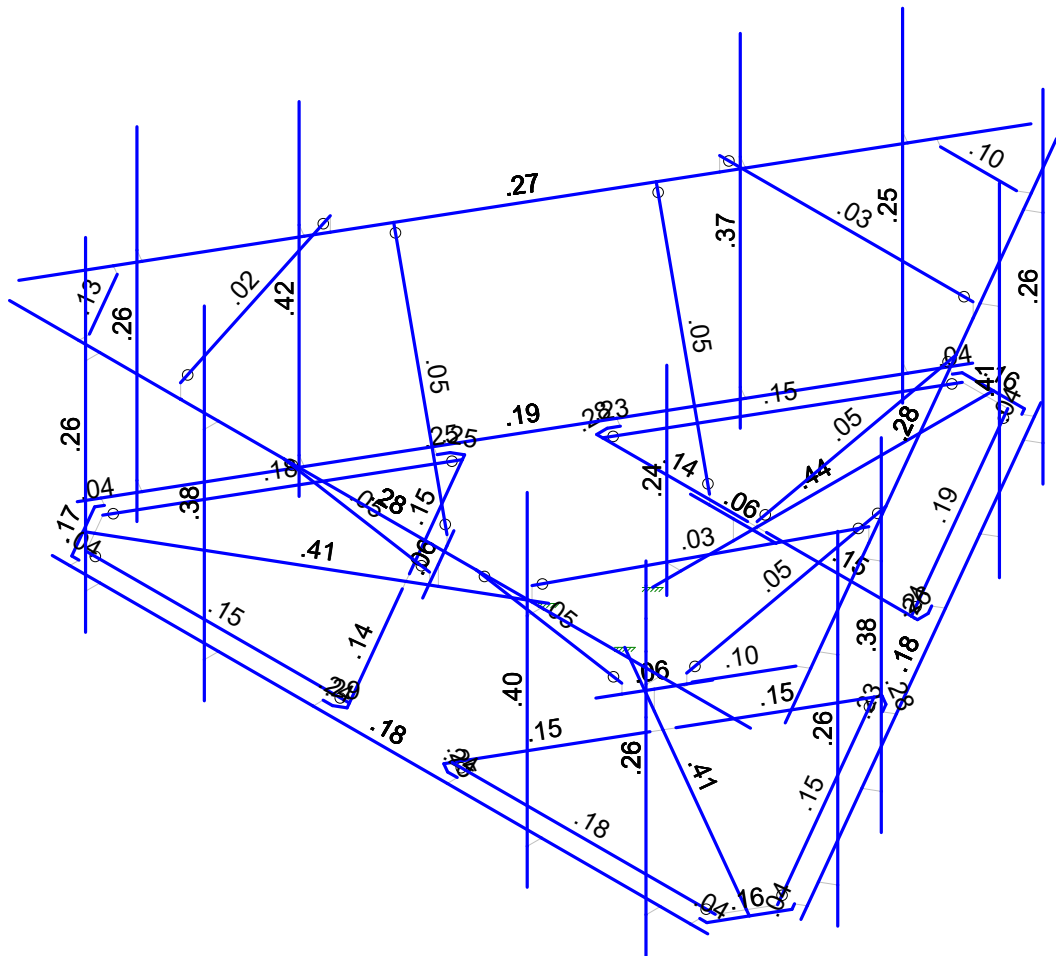
SK - 1

July 22, 2021 at 4:47 PM

468546-VZW_MT_LO_H.r3d

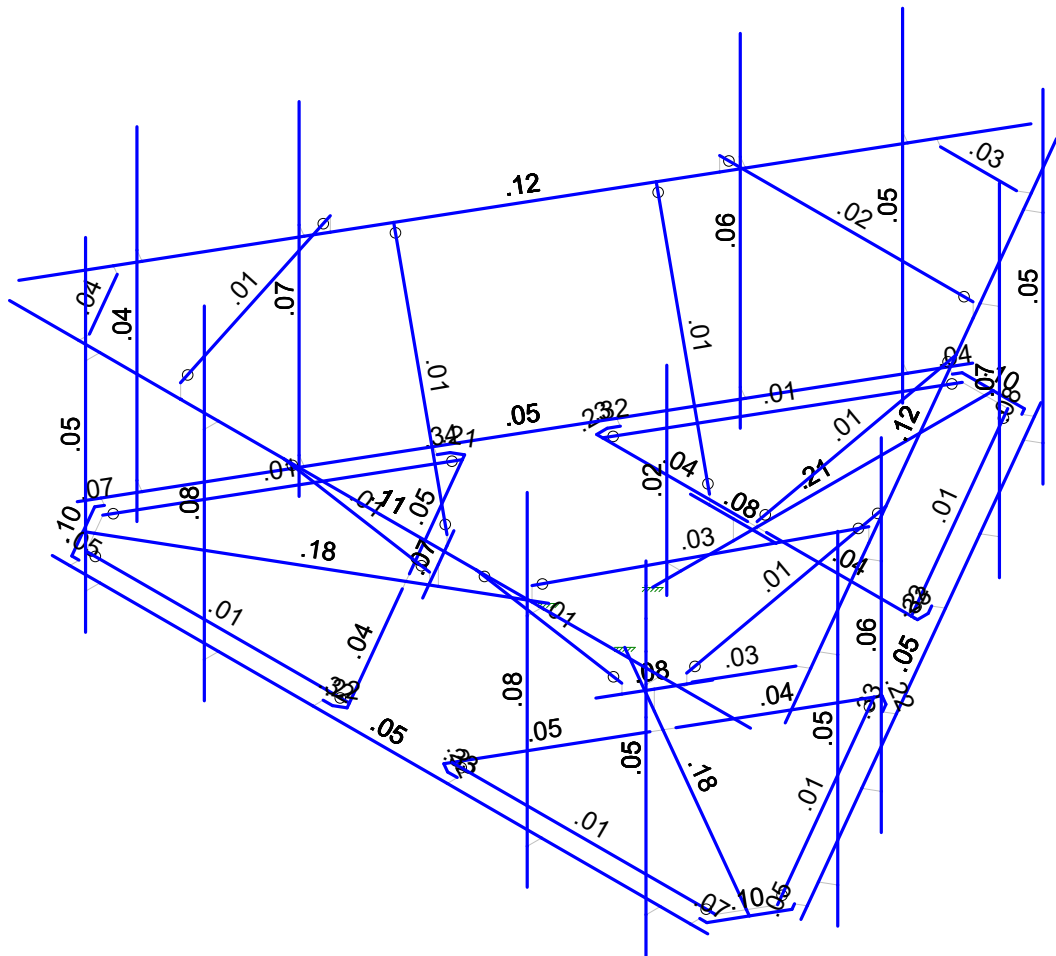
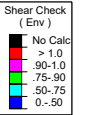


Code Check (Env)	
No Calc	
> 1.0	
90-1.0	
.75-90	
.50-75	
0-.50	



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting	Mount Analysis	SK - 2
SEA		July 22, 2021 at 4:48 PM
		468546-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Maser Consulting

SEA

Mount Analysis

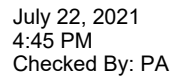
SK - 3

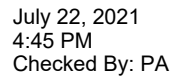
July 22, 2021 at 4:48 PM

468546-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...	Surface(P...
1	Antenna D	None					93		
2	Antenna Di	None					93		
3	Antenna Wo (0 Deg)	None					93		
4	Antenna Wo (30 Deg)	None					93		
5	Antenna Wo (60 Deg)	None					93		
6	Antenna Wo (90 Deg)	None					93		
7	Antenna Wo (120 Deg)	None					93		
8	Antenna Wo (150 Deg)	None					93		
9	Antenna Wo (180 Deg)	None					93		
10	Antenna Wo (210 Deg)	None					93		
11	Antenna Wo (240 Deg)	None					93		
12	Antenna Wo (270 Deg)	None					93		
13	Antenna Wo (300 Deg)	None					93		
14	Antenna Wo (330 Deg)	None					93		
15	Antenna Wi (0 Deg)	None					93		
16	Antenna Wi (30 Deg)	None					93		
17	Antenna Wi (60 Deg)	None					93		
18	Antenna Wi (90 Deg)	None					93		
19	Antenna Wi (120 Deg)	None					93		
20	Antenna Wi (150 Deg)	None					93		
21	Antenna Wi (180 Deg)	None					93		
22	Antenna Wi (210 Deg)	None					93		
23	Antenna Wi (240 Deg)	None					93		
24	Antenna Wi (270 Deg)	None					93		
25	Antenna Wi (300 Deg)	None					93		
26	Antenna Wi (330 Deg)	None					93		
27	Antenna Wm (0 Deg)	None					93		
28	Antenna Wm (30 Deg)	None					93		
29	Antenna Wm (60 Deg)	None					93		
30	Antenna Wm (90 Deg)	None					93		
31	Antenna Wm (120 De...	None					93		
32	Antenna Wm (150 De...	None					93		
33	Antenna Wm (180 De...	None					93		
34	Antenna Wm (210 De...	None					93		
35	Antenna Wm (240 De...	None					93		
36	Antenna Wm (270 De...	None					93		
37	Antenna Wm (300 De...	None					93		
38	Antenna Wm (330 De...	None					93		
39	Structure D	None		-1				3	
40	Structure Di	None					70	3	
41	Structure Wo (0 Deg)	None					140		
42	Structure Wo (30 Deg)	None					140		
43	Structure Wo (60 Deg)	None					140		
44	Structure Wo (90 Deg)	None					140		
45	Structure Wo (120 D...	None					140		
46	Structure Wo (150 D...	None					140		
47	Structure Wo (180 D...	None					140		
48	Structure Wo (210 D...	None					140		
49	Structure Wo (240 D...	None					140		
50	Structure Wo (270 D...	None					140		
51	Structure Wo (300 D...	None					140		
52	Structure Wo (330 D...	None					140		
53	Structure Wi (0 Deg)	None					140		
54	Structure Wi (30 Deg)	None					140		
55	Structure Wi (60 Deg)	None					140		
56	Structure Wi (90 Deg)	None					140		
57	Structure Wi (120 De...	None					140		
58	Structure Wi (150 De...	None					140		
59	Structure Wi (180 De...	None					140		
60	Structure Wi (210 De...	None					140		
61	Structure Wi (240 De...	None					140		
62	Structure Wi (270 De...	None					140		
63	Structure Wi (300 De...	None					140		

Page 2

Page 3

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
36	N190A	-9.963132	42	-79.009526	0	
37	N192A	7.999986	42	-77.876103	0	
38	N199	-7.999986	42	-77.876103	0	
39	N194A	0	0	-79.249881	0	
40	N198C	-4.791843	0.	-79.249881	0	
41	N296A	-33.77439	0	-31.249928	0	
42	N297A	-32.504677	0.	-31.249928	0	
43	N299A	-33.77439	0	-33.499928	0	
44	N300A	-32.77439	0	-35.231978	0	
45	N301A	-34.622181	0	-36.298801	0	
46	N292B	4.791843	0.	-79.249881	0	
47	N295C	33.77439	0	-31.249928	0	
48	N298B	33.77439	0	-33.499928	0	
49	N299B	32.77439	0	-35.231978	0	
50	N300B	34.622181	0	-36.298801	0	
51	N355A	-33.999946	42	48.133088	0	
52	N325A	-33.999947	0	48.133088	0	
53	N327A	-33.999947	0	51.133088	0	
54	N328A	-33.999946	42	51.133088	0	
55	N329A	-33.999947	64.5	51.133088	0	
56	N330A	-33.999947	-7.5	51.133088	0	
57	N126A	0	42	48.133088	0	
58	N115	32.504677	0.	-31.249928	0	
59	N62	-8.010708	0	4.624985	0	
60	N63	-27.063232	0	15.624964	0	
61	N64	-70.126236	0	40.487401	0	
62	N65	-26.063243	0	17.356995	0	
63	N66	-28.063243	0	13.892893	0	
64	N67	-73.407497	0	34.804089	0	
65	N68	-66.844997	0	46.170673	0	
66	N69	-65.344997	0	46.170673	0	
67	N70	-65.344997	0	48.133088	0	
68	N71	-72.657497	0	33.505051	0	
69	N72	-74.356964	0	32.523863	0	
70	N77	-68.63241	0	39.624941	0	
71	N78	-66.236488	0.	43.774798	0	
72	N80	-10.176036	0	44.874444	0	
73	N81	-10.810893	0	43.77484	0	
74	N82	-12.124593	0	45.999444	0	
75	N83	-14.124593	0	45.999444	0	
76	N84	-14.124593	0	48.133088	0	
77	N85	-71.028332	0.	35.475082	0	
78	N87	-43.950426	0	-13.624516	0	
79	N88	-45.898984	0	-12.499516	0	
80	N89A	-46.898984	0	-10.767465	0	
81	N90A	-48.746774	0	-11.834288	0	
82	N91	-43.31557	0	-12.524912	0	
83	N87A	76.184453	0	35.689167	0	
84	N88A	7.184501	0	-83.822256	0	
85	N91A	12.184501	0	-75.162002	0	
86	N92	12.184501	42	-75.162002	0	
87	N93	24.684501	0	-53.511367	0	
88	N94	24.684501	42	-53.511367	0	
89	N95A	71.18445	0	27.028908	0	
90	N96A	71.18445	42	27.028908	0	
91	N97A	14.782577	0	-76.662002	0	
92	N98A	14.782577	42	-76.662002	0	
93	N99	27.282577	0	-55.011367	0	
94	N100	27.282577	42	-55.011367	0	
95	N101	73.782526	0	25.528908	0	
96	N102	73.782526	42	25.528908	0	
97	N103	14.782577	64.5	-76.662002	0	
98	N104	27.282577	64.5	-55.011367	0	
99	N105	73.782526	64.5	25.528908	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
100	N106	14.782577	-7.5	-76.662002	0	
101	N107	27.282577	-7.5	-55.011367	0	
102	N108	73.782526	-7.5	25.528908	0	
103	N109	58.68445	42	5.378273	0	
104	N110	58.684451	0	5.378274	0	
105	N111	61.282527	0	3.878274	0	
106	N112	61.282527	42	3.878274	0	
107	N113	61.282527	64.5	3.878274	0	
108	N114B	61.282527	-7.5	3.878274	0	
109	N145	-7.184501	0	-83.822256	0	
110	N146	-76.184453	0	35.689167	0	
111	N149	-71.184453	0	27.028914	0	
112	N150	-71.184453	42	27.028914	0	
113	N151	-58.684454	0	5.378279	0	
114	N152	-58.684454	42	5.378279	0	
115	N153	-12.184504	0	-75.161996	0	
116	N154	-12.184504	42	-75.161996	0	
117	N155	-73.78253	0	25.528914	0	
118	N156	-73.78253	42	25.528914	0	
119	N157	-61.28253	0	3.878279	0	
120	N158	-61.28253	42	3.878279	0	
121	N159	-14.782581	0	-76.661996	0	
122	N160	-14.782581	42	-76.661996	0	
123	N161	-73.78253	64.5	25.528914	0	
124	N162	-61.28253	64.5	3.878279	0	
125	N163	-14.782581	64.5	-76.661996	0	
126	N164	-73.78253	-7.5	25.528914	0	
127	N165	-61.28253	-7.5	3.878279	0	
128	N166	-14.782581	-7.5	-76.661996	0	
129	N167	-24.684504	42	-53.511361	0	
130	N168	-24.684504	0	-53.511362	0	
131	N169	-27.28258	0	-55.011362	0	
132	N170	-27.282581	42	-55.011362	0	
133	N171	-27.28258	64.5	-55.011362	0	
134	N172	-27.28258	-7.5	-55.011362	0	
135	N145A	8.010708	0	4.624985	0	
136	N146A	27.063232	0	15.624964	0	
137	N147A	70.126236	0	40.487401	0	
138	N148A	28.06322	0	13.892933	0	
139	N149A	26.06322	0	17.357035	0	
140	N150A	66.844974	0	46.170713	0	
141	N151A	73.407474	0	34.80413	0	
142	N152A	72.657474	0	33.505092	0	
143	N153A	74.356976	0	32.523884	0	
144	N154A	65.344974	0	46.170713	0	
145	N155A	65.344974	0	48.133088	0	
146	N156A	68.63241	0	39.624941	0	
147	N157A	71.028332	0	35.475082	0	
148	N158A	43.950426	0	-13.624516	0	
149	N159A	43.31557	0	-12.524912	0	
150	N160A	45.898984	0	-12.499516	0	
151	N161A	46.898984	0	-10.767465	0	
152	N162A	48.746774	0	-11.834288	0	
153	N163A	66.236488	0	43.774798	0	
154	N164A	10.176036	0	44.874444	0	
155	N165A	12.124593	0	45.999444	0	
156	N166A	14.124593	0	45.999444	0	
157	N167A	14.124593	0	48.133088	0	
158	N168A	10.810893	0	43.77484	0	
159	N169A	20.23314	42	48.133088	0	
160	N170A	-20.23314	42	48.133088	0	
161	N175	0.	0	-26.249969	0	
162	N177	0.	4	-26.249969	0	
163	N178	9.	4	-26.249969	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [in]	Y [in]	Z [in]	Temp [F]	Detach From Diap...
164	N178A	-9.	4	-26.249969	0	
165	N179	-5.	4	-26.249969	0	
166	N180	5.	4	-26.249969	0	
167	N181	-5.	6	-26.249969	0	
168	N182	5.	6	-26.249969	0	
169	N183	22.73314	0	13.124985	0	
170	N184	22.73314	4	13.124985	0	
171	N185	18.23314	4	20.919213	0	
172	N186	27.23314	4	5.330756	0	
173	N187	25.23314	4	8.794858	0	
174	N188	20.23314	4	17.455112	0	
175	N189	25.23314	6	8.794858	0	
176	N190	20.23314	6	17.455112	0	
177	N199A	-22.73314	0	13.124985	0	
178	N200	-22.73314	4	13.124985	0	
179	N201	-27.23314	4	5.330756	0	
180	N202	-18.23314	4	20.919213	0	
181	N203	-20.23314	4	17.455112	0	
182	N204	-25.23314	4	8.794858	0	
183	N205	-20.23314	6	17.455112	0	
184	N206	-25.23314	6	8.794858	0	
185	N197	63.442691	42	48.133088	0	
186	N198	73.405822	42	30.876437	0	
187	N199B	63.44269	42	45.866242	0	
188	N200A	71.442676	42	32.00986	0	
189	N205A	-73.405823	42	30.876438	0	
190	N206A	-63.44269	42	48.133088	0	
191	N207	-71.442676	42	32.00986	0	
192	N208	-63.44269	42	45.866242	0	
193	N201A	-2.684501	42	-91.616484	0	
194	N202A	-80.684453	42	43.483396	0	
195	N205B	80.684453	42	43.483396	0	
196	N206B	2.684501	42	-91.616484	0	
197	N203A	-56.684454	42	1.914177	0	
198	N204A	-26.684501	42	-50.047266	0	
199	N208A	56.684454	42	1.914177	0	
200	N206C	-42.000048	42	48.133088	0	
201	N207B	31.999952	42	48.133088	0	
202	N207C	-56.684454	45	1.914177	0	
203	N208B	-26.684501	45	-50.047266	0	
204	N209	56.684454	45	1.914177	0	
205	N210	-42.000048	45	48.133088	0	
206	N211	31.999952	45	48.133088	0	
207	ANTENNA	58.999952	36	51.133088	0	
208	N221	58.999952	60	51.133088	0	
209	N224	58.999952	54	51.133088	0	
210	N225	58.999952	48	51.133088	0	
211	N226	0.	0	-15.249969	0	
212	N227	-3.	0	-15.249969	0	
213	N228	-3.	36	-15.249969	0	
214	N229	-3.	-6	-15.249969	0	
215	N226A	-51.801047	42	-6.544131	0	
216	N227A	-31.567907	42	-41.588957	0	
217	N234	31.567907	42	-41.588957	0	
218	N235	51.801047	42	-6.544131	0	
219	N221A	26.684501	42	-50.047266	0	
220	N222	26.684501	45	-50.047266	0	
221	N221B	-42	42	48.133088	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE 3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Support Rail	PIPE 2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
4	Corner Plate	PL1/2x6	Beam	RECT	A36 Gr.36	Typical	3	.063	9	.237
5	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
6	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
7	Mount Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
9	Support Rail Kicker	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
10	Kicker Angle	L6X4X8	Beam	Single Angle	A36 Gr.36	Typical	4.75	6.22	17.3	.407
11	Support Rail Angle Brace	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
12	Support Rail Pipe Brace	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25

Hot Rolled Steel Design Parameters

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torq...	Kyy	Kzz	Cb	Function
1	M142	Support Rai...	48.496									Lateral
2	M143A	Support Rai...	53.369									Lateral
3	M144A	Support Rai...	52.398									Lateral
4	M131	Support Rai...	47.298			Lbyy						Lateral
5	M132	Support Rai...	47.298			Lbyy						Lateral
6	M146A	Support Rai...	47.298			Lbyy						Lateral
7	M147A	Support Rai...	47.298			Lbyy						Lateral
8	M150	Support Rai...	47.298			Lbyy						Lateral
9	M151	Support Rai...	47.298			Lbyy						Lateral
10	M121A	Support Rai...	16			Lbyy						Lateral
11	M137	Support Rai...	16			Lbyy						Lateral
12	M143	Support Rai...	16			Lbyy						Lateral
13	M70A	Support Rail	156			Lbyy						Lateral
14	M136A	Support Rail	156			Lbyy						Lateral
15	M138A	Support Rail	156			Lbyy						Lateral
16	M72A	Standoff Ho...	71.725			Lbyy						Lateral
17	M41	Standoff Ho...	71.725			Lbyy						Lateral
18	M107	Standoff Ho...	71.725			Lbyy						Lateral
19	M74	Platform Cr...	31.774			Lbyy						Lateral
20	M192B	Platform Cr...	31.774			Lbyy						Lateral
21	M54	Platform Cr...	31.774			Lbyy						Lateral
22	M55	Platform Cr...	31.774			Lbyy						Lateral
23	M118	Platform Cr...	31.774			Lbyy						Lateral
24	M119	Platform Cr...	31.774			Lbyy						Lateral
25	MP4A	Mount Pipe	72									Lateral
26	MP2A	Mount Pipe	72									Lateral
27	MP1A	Mount Pipe	72									Lateral
28	MP3A	Mount Pipe	72									Lateral
29	MP4C	Mount Pipe	72									Lateral
30	MP2C	Mount Pipe	72									Lateral
31	MP1C	Mount Pipe	72									Lateral
32	MP3C	Mount Pipe	72									Lateral
33	MP4B	Mount Pipe	72									Lateral
34	MP2B	Mount Pipe	72									Lateral
35	MP1B	Mount Pipe	72									Lateral
36	MP3B	Mount Pipe	72									Lateral
37	OVP1	Mount Pipe	42									Lateral
38	M116B	Kicker Angle	18			Lbyy						Lateral
39	M120A	Kicker Angle	18			Lbyy						Lateral
40	M128A	Kicker Angle	18			Lbyy						Lateral
41	M79	Grating Sup...	55.426			Lbyy						Lateral
42	M193B	Grating Sup...	55.426			Lbyy						Lateral
43	M56	Grating Sup...	55.426			Lbyy						Lateral
44	M57	Grating Sup...	55.426			Lbyy						Lateral
45	M120	Grating Sup...	55.426			Lbyy						Lateral
46	M121	Grating Sup...	55.426			Lbyy						Lateral
47	M20	Face Horizo...	138			Lbyy						Lateral

Hot Rolled Steel Design Parameters (Continued)

	Label	Shape	Length[in]	Lbyy[in]	Lbzz[in]	Lcomp top[in]	Lcomp bot[in]	L-torq...	Kyy	Kzz	Cb	Function
48	M78	Face Horizo...	138			Lbyy						Lateral
49	M106	Face Horizo...	138			Lbyy						Lateral
50	M198A	Cross Arm ...	2.25									Lateral
51	M199A	Cross Arm ...	2									Lateral
52	M196B	Cross Arm ...	2.25									Lateral
53	M197B	Cross Arm ...	2									Lateral
54	M58	Cross Arm ...	2.25									Lateral
55	M59	Cross Arm ...	2									Lateral
56	M60	Cross Arm ...	2.25									Lateral
57	M61	Cross Arm ...	2									Lateral
58	M122	Cross Arm ...	2.25									Lateral
59	M123	Cross Arm ...	2									Lateral
60	M124	Cross Arm ...	2.25									Lateral
61	M125	Cross Arm ...	2									Lateral
62	M75	Corner Plate	13.125			Lbyy						Lateral
63	M87A	Corner Plate	1.5			Lbyy						Lateral
64	M92	Corner Plate	1.5			Lbyy						Lateral
65	M62	Corner Plate	13.125			Lbyy						Lateral
66	M63	Corner Plate	1.5			Lbyy						Lateral
67	M64	Corner Plate	1.5			Lbyy						Lateral
68	M126A	Corner Plate	13.125			Lbyy						Lateral
69	M127	Corner Plate	1.5			Lbyy						Lateral
70	M128	Corner Plate	1.5			Lbyy						Lateral

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
1	M142	N210	N207C			Support Rail Pipe Brace	Column	Pipe	A53 Gr.B	Typical
2	M143A	N208B	N222			Support Rail Pipe Brace	Column	Pipe	A53 Gr.B	Typical
3	M144A	N209	N211			Support Rail Pipe Brace	Column	Pipe	A53 Gr.B	Typical
4	M131	N170A	N205		180	Support Rail Kicker	Beam	Single Angle	A36 Gr.36	Typical
5	M132	N169A	N190		90	Support Rail Kicker	Beam	Single Angle	A36 Gr.36	Typical
6	M146A	N227A	N181		180	Support Rail Kicker	Beam	Single Angle	A36 Gr.36	Typical
7	M147A	N226A	N206		90	Support Rail Kicker	Beam	Single Angle	A36 Gr.36	Typical
8	M150	N235	N189		180	Support Rail Kicker	Beam	Single Angle	A36 Gr.36	Typical
9	M151	N234	N182		90	Support Rail Kicker	Beam	Single Angle	A36 Gr.36	Typical
10	M121A	N199	N192A		180	Support Rail Angle Brace	Beam	Single Angle	A36 Gr.36	Typical
11	M137	N200A	N199B		180	Support Rail Angle Brace	Beam	Single Angle	A36 Gr.36	Typical
12	M143	N208	N207		180	Support Rail Angle Brace	Beam	Single Angle	A36 Gr.36	Typical
13	M70A	N90	N89			Support Rail	Beam	Pipe	A53 Gr.B	Typical
14	M136A	N202A	N201A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
15	M138A	N206B	N205B			Support Rail	Beam	Pipe	A53 Gr.B	Typical
16	M72A	N112A	N114			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
17	M41	N62	N64			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
18	M107	N145A	N147A			Standoff Horizontal	Beam	SquareTube	A500 Gr....	Typical
19	M82	N126	N113A			RIGID	None	None	RIGID	Typical
20	M83	N113A	N127			RIGID	None	None	RIGID	Typical
21	M88	N134	N135			RIGID	None	None	RIGID	Typical
22	M93A	N138	N139			RIGID	None	None	RIGID	Typical
23	M73A	N102A	N110A			RIGID	None	None	RIGID	Typical
24	M75A	N98	N106A			RIGID	None	None	RIGID	Typical
25	M76A	N96	N104A			RIGID	None	None	RIGID	Typical
26	M77A	N95	N103A			RIGID	None	None	RIGID	Typical
27	M78A	N97	N105A			RIGID	None	None	RIGID	Typical
28	M80A	N101A	N109A			RIGID	None	None	RIGID	Typical
29	M116A	N185B	N192A			RIGID	None	None	RIGID	Typical
30	M119A	N190A	N199			RIGID	None	None	RIGID	Typical
31	M126	N194A	N198C			RIGID	None	None	RIGID	Typical
32	M197A	N300A	N301A			RIGID	None	None	RIGID	Typical
33	M191B	N194A	N292B			RIGID	None	None	RIGID	Typical
34	M195B	N299B	N300B			RIGID	None	None	RIGID	Typical
35	M263	N355A	N328A			RIGID	None	None	RIGID	Typical
36	M264	N325A	N327A			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
37	M42	N65	N63			RIGID	None	None	RIGID	Typical
38	M43	N63	N66			RIGID	None	None	RIGID	Typical
39	M44	N69	N70			RIGID	None	None	RIGID	Typical
40	M45	N71	N72			RIGID	None	None	RIGID	Typical
41	M49	N77	N78			RIGID	None	None	RIGID	Typical
42	M50	N83	N84			RIGID	None	None	RIGID	Typical
43	M52	N77	N85			RIGID	None	None	RIGID	Typical
44	M53	N89A	N90A			RIGID	None	None	RIGID	Typical
45	M66	N96A	N102			RIGID	None	None	RIGID	Typical
46	M67	N94	N100			RIGID	None	None	RIGID	Typical
47	M68	N92	N98A			RIGID	None	None	RIGID	Typical
48	M69	N91A	N97A			RIGID	None	None	RIGID	Typical
49	M70	N93	N99			RIGID	None	None	RIGID	Typical
50	M71	N95A	N101			RIGID	None	None	RIGID	Typical
51	M72	N109	N112			RIGID	None	None	RIGID	Typical
52	M73	N110	N111			RIGID	None	None	RIGID	Typical
53	M94	N154	N160			RIGID	None	None	RIGID	Typical
54	M95	N152	N158			RIGID	None	None	RIGID	Typical
55	M96	N150	N156			RIGID	None	None	RIGID	Typical
56	M97	N149	N155			RIGID	None	None	RIGID	Typical
57	M98	N151	N157			RIGID	None	None	RIGID	Typical
58	M99	N153	N159			RIGID	None	None	RIGID	Typical
59	M100	N167	N170			RIGID	None	None	RIGID	Typical
60	M101	N168	N169			RIGID	None	None	RIGID	Typical
61	M108	N148A	N146A			RIGID	None	None	RIGID	Typical
62	M109	N146A	N149A			RIGID	None	None	RIGID	Typical
63	M110	N152A	N153A			RIGID	None	None	RIGID	Typical
64	M111	N154A	N155A			RIGID	None	None	RIGID	Typical
65	M113	N156A	N157A			RIGID	None	None	RIGID	Typical
66	M114	N161A	N162A			RIGID	None	None	RIGID	Typical
67	M116	N156A	N163A			RIGID	None	None	RIGID	Typical
68	M117	N166A	N167A			RIGID	None	None	RIGID	Typical
69	M115A	N177	N175			RIGID	None	None	RIGID	Typical
70	M117A	N180	N182			RIGID	None	None	RIGID	Typical
71	M118A	N179	N181			RIGID	None	None	RIGID	Typical
72	M119B	N184	N183			RIGID	None	None	RIGID	Typical
73	M121B	N188	N190			RIGID	None	None	RIGID	Typical
74	M122A	N187	N189			RIGID	None	None	RIGID	Typical
75	M127A	N200	N199A			RIGID	None	None	RIGID	Typical
76	M129	N204	N206			RIGID	None	None	RIGID	Typical
77	M130	N203	N205			RIGID	None	None	RIGID	Typical
78	M138	N197	N199B			RIGID	None	None	RIGID	Typical
79	M139	N198	N200A			RIGID	None	None	RIGID	Typical
80	M144	N205A	N207			RIGID	None	None	RIGID	Typical
81	M145	N206A	N208			RIGID	None	None	RIGID	Typical
82	M136B	N206C	N210			RIGID	None	None	RIGID	Typical
83	M137A	N203A	N207C			RIGID	None	None	RIGID	Typical
84	M138B	N204A	N208B			RIGID	None	None	RIGID	Typical
85	M140	N208A	N209			RIGID	None	None	RIGID	Typical
86	M141	N207B	N211			RIGID	None	None	RIGID	Typical
87	M148	N226	N227			RIGID	None	None	RIGID	Typical
88	M74	N126	N296A			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
89	M192B	N127	N295C			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
90	M54	N65	N80			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
91	M55	N66	N87			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
92	M118	N148A	N158A			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
93	M119	N149A	N164A			Platform Crossmember	Beam	SquareTube	A500 Gr....	Typical
94	MP4A	N114A	N118			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	MP2A	N112B	N116B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
96	MP1A	N111A	N115A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	MP3A	N329A	N330A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP4C	N105	N108			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP2C	N104	N107			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	MP1C	N103	N106			Mount Pipe	Column	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(d...	Section/Shape	Type	Design List	Material	Design Rul...
101	MP3C	N113	N114B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	MP4B	N163	N166			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	MP2B	N162	N165			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
104	MP1B	N161	N164			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
105	MP3B	N171	N172			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	OVP1	N228	N229			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
107	M116B	N178A	N178		270	Kicker Angle	Beam	Single Angle	A36 Gr.36	Typical
108	M120A	N186	N185		270	Kicker Angle	Beam	Single Angle	A36 Gr.36	Typical
109	M128A	N202	N201		270	Kicker Angle	Beam	Single Angle	A36 Gr.36	Typical
110	M79	N297A	N198C			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
111	M193B	N115	N292B		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
112	M56	N81	N78			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
113	M57	N91	N85		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
114	M120	N159A	N157A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
115	M121	N168A	N163A		270	Grating Support	Beam	Single Angle	A36 Gr.36	Typical
116	M20	N53A	N36			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
117	M78	N88A	N87A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
118	M106	N146	N145			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
119	M198A	N296A	N299A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
120	M199A	N299A	N300A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
121	M196B	N295C	N298B			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
122	M197B	N298B	N299B			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
123	M58	N80	N82			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
124	M59	N82	N83			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
125	M60	N87	N88			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
126	M61	N88	N89A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
127	M122	N158A	N160A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
128	M123	N160A	N161A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
129	M124	N164A	N165A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
130	M125	N165A	N166A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
131	M75	N129	N128			Corner Plate	Beam	RECT	A36 Gr.36	Typical
132	M87A	N129	N134			Corner Plate	Beam	RECT	A36 Gr.36	Typical
133	M92	N128	N138			Corner Plate	Beam	RECT	A36 Gr.36	Typical
134	M62	N68	N67			Corner Plate	Beam	RECT	A36 Gr.36	Typical
135	M63	N68	N69			Corner Plate	Beam	RECT	A36 Gr.36	Typical
136	M64	N67	N71			Corner Plate	Beam	RECT	A36 Gr.36	Typical
137	M126A	N151A	N150A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
138	M127	N151A	N152A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
139	M128	N150A	N154A			Corner Plate	Beam	RECT	A36 Gr.36	Typical
140	M141A	N221A	N222			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M142	BenPIN	BenPIN				Yes	** NA **			None
2	M143A	BenPIN	BenPIN				Yes	** NA **			None
3	M144A	BenPIN	BenPIN				Yes	** NA **			None
4	M131	BenPIN	BenPIN				Yes				None
5	M132	BenPIN	BenPIN				Yes				None
6	M146A	BenPIN	BenPIN				Yes				None
7	M147A	BenPIN	BenPIN				Yes				None
8	M150	BenPIN	BenPIN				Yes				None
9	M151	BenPIN	BenPIN				Yes				None
10	M121A						Yes	Default			None
11	M137						Yes	Default			None
12	M143						Yes	Default			None
13	M70A						Yes				None
14	M136A						Yes				None
15	M138A						Yes				None
16	M72A						Yes	Default			None
17	M41						Yes	Default			None
18	M107						Yes	Default			None
19	M82						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
20	M83						Yes	** NA **			None
21	M88		BenPIN				Yes	** NA **			None
22	M93A		BenPIN				Yes	** NA **			None
23	M73A						Yes	** NA **			None
24	M75A						Yes	** NA **			None
25	M76A						Yes	** NA **			None
26	M77A						Yes	** NA **			None
27	M78A						Yes	** NA **			None
28	M80A						Yes	** NA **			None
29	M116A	OOOOOX					Yes	** NA **			None
30	M119A	OOOOOX					Yes	** NA **			None
31	M126						Yes	** NA **			None
32	M197A		BenPIN				Yes	** NA **			None
33	M191B						Yes	** NA **			None
34	M195B		BenPIN				Yes	** NA **			None
35	M263						Yes	** NA **			None
36	M264						Yes	** NA **			None
37	M42						Yes	** NA **			None
38	M43						Yes	** NA **			None
39	M44		BenPIN				Yes	** NA **			None
40	M45		BenPIN				Yes	** NA **			None
41	M49						Yes	** NA **			None
42	M50		BenPIN				Yes	** NA **			None
43	M52						Yes	** NA **			None
44	M53		BenPIN				Yes	** NA **			None
45	M66						Yes	** NA **			None
46	M67						Yes	** NA **			None
47	M68						Yes	** NA **			None
48	M69						Yes	** NA **			None
49	M70						Yes	** NA **			None
50	M71						Yes	** NA **			None
51	M72						Yes	** NA **			None
52	M73						Yes	** NA **			None
53	M94						Yes	** NA **			None
54	M95						Yes	** NA **			None
55	M96						Yes	** NA **			None
56	M97						Yes	** NA **			None
57	M98						Yes	** NA **			None
58	M99						Yes	** NA **			None
59	M100						Yes	** NA **			None
60	M101						Yes	** NA **			None
61	M108						Yes	** NA **			None
62	M109						Yes	** NA **			None
63	M110		BenPIN				Yes	** NA **			None
64	M111		BenPIN				Yes	** NA **			None
65	M113						Yes	** NA **			None
66	M114		BenPIN				Yes	** NA **			None
67	M116						Yes	** NA **			None
68	M117		BenPIN				Yes	** NA **			None
69	M115A						Yes	** NA **			None
70	M117A						Yes	** NA **			None
71	M118A						Yes	** NA **			None
72	M119B						Yes	** NA **			None
73	M121B						Yes	** NA **			None
74	M122A						Yes	** NA **			None
75	M127A						Yes	** NA **			None
76	M129						Yes	** NA **			None
77	M130						Yes	** NA **			None
78	M138	OOOOOX					Yes	** NA **			None
79	M139	OOOOOX					Yes	** NA **			None
80	M144	OOOOOX					Yes	** NA **			None
81	M145	OOOOOX					Yes	** NA **			None
82	M136B						Yes	** NA **			None
83	M137A						Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
84	M138B						Yes	** NA **			None
85	M140						Yes	** NA **			None
86	M141						Yes	** NA **			None
87	M148						Yes	** NA **			None
88	M74						Yes				None
89	M192B						Yes				None
90	M54						Yes				None
91	M55						Yes				None
92	M118						Yes				None
93	M119						Yes				None
94	MP4A						Yes	** NA **			None
95	MP2A						Yes	** NA **			None
96	MP1A						Yes	** NA **			None
97	MP3A						Yes	** NA **			None
98	MP4C						Yes	** NA **			None
99	MP2C						Yes	** NA **			None
100	MP1C						Yes	** NA **			None
101	MP3C						Yes	** NA **			None
102	MP4B						Yes	** NA **			None
103	MP2B						Yes	** NA **			None
104	MP1B						Yes	** NA **			None
105	MP3B						Yes	** NA **			None
106	OVP1						Yes	** NA **			None
107	M116B						Yes				None
108	M120A						Yes				None
109	M128A						Yes				None
110	M79	OOOOOX	OOOOOX				Yes				None
111	M193B	OOOOXO	OOOOXO				Yes				None
112	M56	OOOOOX	OOOOOX				Yes				None
113	M57	OOOOXO	OOOOXO				Yes				None
114	M120	OOOOOX	OOOOOX				Yes				None
115	M121	OOOOXO	OOOOXO				Yes				None
116	M20						Yes				None
117	M78						Yes				None
118	M106						Yes				None
119	M198A						Yes	** NA **			None
120	M199A						Yes	** NA **			None
121	M196B						Yes	** NA **			None
122	M197B						Yes	** NA **			None
123	M58						Yes	** NA **			None
124	M59						Yes	** NA **			None
125	M60						Yes	** NA **			None
126	M61						Yes	** NA **			None
127	M122						Yes	** NA **			None
128	M123						Yes	** NA **			None
129	M124						Yes	** NA **			None
130	M125						Yes	** NA **			None
131	M75						Yes				None
132	M87A						Yes				None
133	M92						Yes				None
134	M62						Yes				None
135	M63						Yes				None
136	M64						Yes				None
137	M126A						Yes				None
138	M127						Yes				None
139	M128						Yes				None
140	M141A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	Y	-21.85	4.56
2	MP2A	My	-.011	4.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
3	MP2A	Mz	.015	4.56
4	MP2A	Y	-21.85	52.56
5	MP2A	My	-.011	52.56
6	MP2A	Mz	.015	52.56
7	MP2B	Y	-21.85	4.56
8	MP2B	My	-.007	4.56
9	MP2B	Mz	-.017	4.56
10	MP2B	Y	-21.85	52.56
11	MP2B	My	-.007	52.56
12	MP2B	Mz	-.017	52.56
13	MP2C	Y	-21.85	4.56
14	MP2C	My	.018	4.56
15	MP2C	Mz	.002	4.56
16	MP2C	Y	-21.85	52.56
17	MP2C	My	.018	52.56
18	MP2C	Mz	.002	52.56
19	MP2A	Y	-21.85	4.56
20	MP2A	My	-.011	4.56
21	MP2A	Mz	-.015	4.56
22	MP2A	Y	-21.85	52.56
23	MP2A	My	-.011	52.56
24	MP2A	Mz	-.015	52.56
25	MP2B	Y	-21.85	4.56
26	MP2B	My	.018	4.56
27	MP2B	Mz	-.002	4.56
28	MP2B	Y	-21.85	52.56
29	MP2B	My	.018	52.56
30	MP2B	Mz	-.002	52.56
31	MP2C	Y	-21.85	4.56
32	MP2C	My	-.007	4.56
33	MP2C	Mz	.017	4.56
34	MP2C	Y	-21.85	52.56
35	MP2C	My	-.007	52.56
36	MP2C	Mz	.017	52.56
37	MP3A	Y	-9.25	10.56
38	MP3A	My	-.004	10.56
39	MP3A	Mz	0	10.56
40	MP3A	Y	-9.25	46.56
41	MP3A	My	-.004	46.56
42	MP3A	Mz	0	46.56
43	MP3B	Y	-9.25	10.56
44	MP3B	My	.002	10.56
45	MP3B	Mz	-.003	10.56
46	MP3B	Y	-9.25	46.56
47	MP3B	My	.002	46.56
48	MP3B	Mz	-.003	46.56
49	MP3C	Y	-9.25	10.56
50	MP3C	My	.002	10.56
51	MP3C	Mz	.003	10.56
52	MP3C	Y	-9.25	46.56
53	MP3C	My	.002	46.56
54	MP3C	Mz	.003	46.56
55	MP4A	Y	-43.55	16.56
56	MP4A	My	-.018	16.56
57	MP4A	Mz	0	16.56
58	MP4A	Y	-43.55	40.56
59	MP4A	My	-.018	40.56
60	MP4A	Mz	0	40.56
61	MP4B	Y	-43.55	16.56
62	MP4B	My	.009	16.56
63	MP4B	Mz	-.016	16.56
64	MP4B	Y	-43.55	40.56
65	MP4B	My	.009	40.56
66	MP4B	Mz	-.016	40.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
67	MP4C	Y	-43.55	16.56
68	MP4C	My	.009	16.56
69	MP4C	Mz	.016	16.56
70	MP4C	Y	-43.55	40.56
71	MP4C	My	.009	40.56
72	MP4C	Mz	.016	40.56
73	MP3A	Y	-84.4	36
74	MP3A	My	.07	36
75	MP3A	Mz	0	36
76	MP3B	Y	-84.4	36
77	MP3B	My	-.035	36
78	MP3B	Mz	.061	36
79	MP3C	Y	-84.4	36
80	MP3C	My	-.035	36
81	MP3C	Mz	-.061	36
82	MP2A	Y	-70.3	48
83	MP2A	My	.047	48
84	MP2A	Mz	0	48
85	MP2B	Y	-70.3	48
86	MP2B	My	-.023	48
87	MP2B	Mz	.041	48
88	MP2C	Y	-70.3	48
89	MP2C	My	-.023	48
90	MP2C	Mz	-.041	48
91	OVP1	Y	-32	6
92	OVP1	My	0	6
93	OVP1	Mz	0	6

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	Y	-60.68	4.56
2	MP2A	My	-.03	4.56
3	MP2A	Mz	.04	4.56
4	MP2A	Y	-60.68	52.56
5	MP2A	My	-.03	52.56
6	MP2A	Mz	.04	52.56
7	MP2B	Y	-60.68	4.56
8	MP2B	My	-.02	4.56
9	MP2B	Mz	-.047	4.56
10	MP2B	Y	-60.68	52.56
11	MP2B	My	-.02	52.56
12	MP2B	Mz	-.047	52.56
13	MP2C	Y	-60.68	4.56
14	MP2C	My	.05	4.56
15	MP2C	Mz	.006	4.56
16	MP2C	Y	-60.68	52.56
17	MP2C	My	.05	52.56
18	MP2C	Mz	.006	52.56
19	MP2A	Y	-60.68	4.56
20	MP2A	My	-.03	4.56
21	MP2A	Mz	-.04	4.56
22	MP2A	Y	-60.68	52.56
23	MP2A	My	-.03	52.56
24	MP2A	Mz	-.04	52.56
25	MP2B	Y	-60.68	4.56
26	MP2B	My	.05	4.56
27	MP2B	Mz	-.006	4.56
28	MP2B	Y	-60.68	52.56
29	MP2B	My	.05	52.56
30	MP2B	Mz	-.006	52.56
31	MP2C	Y	-60.68	4.56
32	MP2C	My	-.02	4.56
33	MP2C	Mz	.047	4.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
34	MP2C	Y	-60.68	52.56
35	MP2C	My	-.02	52.56
36	MP2C	Mz	.047	52.56
37	MP3A	Y	-39.518	10.56
38	MP3A	My	-.016	10.56
39	MP3A	Mz	0	10.56
40	MP3A	Y	-39.518	46.56
41	MP3A	My	-.016	46.56
42	MP3A	Mz	0	46.56
43	MP3B	Y	-39.518	10.56
44	MP3B	My	.008	10.56
45	MP3B	Mz	-.014	10.56
46	MP3B	Y	-39.518	46.56
47	MP3B	My	.008	46.56
48	MP3B	Mz	-.014	46.56
49	MP3C	Y	-39.518	10.56
50	MP3C	My	.008	10.56
51	MP3C	Mz	.014	10.56
52	MP3C	Y	-39.518	46.56
53	MP3C	My	.008	46.56
54	MP3C	Mz	.014	46.56
55	MP4A	Y	-35.664	16.56
56	MP4A	My	-.015	16.56
57	MP4A	Mz	0	16.56
58	MP4A	Y	-35.664	40.56
59	MP4A	My	-.015	40.56
60	MP4A	Mz	0	40.56
61	MP4B	Y	-35.664	16.56
62	MP4B	My	.007	16.56
63	MP4B	Mz	-.013	16.56
64	MP4B	Y	-35.664	40.56
65	MP4B	My	.007	40.56
66	MP4B	Mz	-.013	40.56
67	MP4C	Y	-35.664	16.56
68	MP4C	My	.007	16.56
69	MP4C	Mz	.013	16.56
70	MP4C	Y	-35.664	40.56
71	MP4C	My	.007	40.56
72	MP4C	Mz	.013	40.56
73	MP3A	Y	-44.965	36
74	MP3A	My	.037	36
75	MP3A	Mz	0	36
76	MP3B	Y	-44.965	36
77	MP3B	My	-.019	36
78	MP3B	Mz	.032	36
79	MP3C	Y	-44.965	36
80	MP3C	My	-.019	36
81	MP3C	Mz	-.032	36
82	MP2A	Y	-40.438	48
83	MP2A	My	.027	48
84	MP2A	Mz	0	48
85	MP2B	Y	-40.438	48
86	MP2B	My	-.013	48
87	MP2B	Mz	.023	48
88	MP2C	Y	-40.438	48
89	MP2C	My	-.013	48
90	MP2C	Mz	-.023	48
91	OVP1	Y	-88.036	6
92	OVP1	My	0	6
93	OVP1	Mz	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
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Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	0	4.56
2	MP2A	Z	-162.839	4.56
3	MP2A	Mx	-.109	4.56
4	MP2A	X	0	52.56
5	MP2A	Z	-162.839	52.56
6	MP2A	Mx	-.109	52.56
7	MP2B	X	0	4.56
8	MP2B	Z	-121.449	4.56
9	MP2B	Mx	.093	4.56
10	MP2B	X	0	52.56
11	MP2B	Z	-121.449	52.56
12	MP2B	Mx	.093	52.56
13	MP2C	X	0	4.56
14	MP2C	Z	-121.449	4.56
15	MP2C	Mx	-.012	4.56
16	MP2C	X	0	52.56
17	MP2C	Z	-121.449	52.56
18	MP2C	Mx	-.012	52.56
19	MP2A	X	0	4.56
20	MP2A	Z	-162.839	4.56
21	MP2A	Mx	.109	4.56
22	MP2A	X	0	52.56
23	MP2A	Z	-162.839	52.56
24	MP2A	Mx	.109	52.56
25	MP2B	X	0	4.56
26	MP2B	Z	-121.449	4.56
27	MP2B	Mx	.012	4.56
28	MP2B	X	0	52.56
29	MP2B	Z	-121.449	52.56
30	MP2B	Mx	.012	52.56
31	MP2C	X	0	4.56
32	MP2C	Z	-121.449	4.56
33	MP2C	Mx	-.093	4.56
34	MP2C	X	0	52.56
35	MP2C	Z	-121.449	52.56
36	MP2C	Mx	-.093	52.56
37	MP3A	X	0	10.56
38	MP3A	Z	-105.805	10.56
39	MP3A	Mx	0	10.56
40	MP3A	X	0	46.56
41	MP3A	Z	-105.805	46.56
42	MP3A	Mx	0	46.56
43	MP3B	X	0	10.56
44	MP3B	Z	-66.842	10.56
45	MP3B	Mx	.024	10.56
46	MP3B	X	0	46.56
47	MP3B	Z	-66.842	46.56
48	MP3B	Mx	.024	46.56
49	MP3C	X	0	10.56
50	MP3C	Z	-66.842	10.56
51	MP3C	Mx	-.024	10.56
52	MP3C	X	0	46.56
53	MP3C	Z	-66.842	46.56
54	MP3C	Mx	-.024	46.56
55	MP4A	X	0	16.56
56	MP4A	Z	-94.721	16.56
57	MP4A	Mx	0	16.56
58	MP4A	X	0	40.56
59	MP4A	Z	-94.721	40.56
60	MP4A	Mx	0	40.56
61	MP4B	X	0	16.56
62	MP4B	Z	-51.492	16.56
63	MP4B	Mx	.019	16.56
64	MP4B	X	0	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	-51.492	40.56
66	MP4B	Mx	.019	40.56
67	MP4C	X	0	16.56
68	MP4C	Z	-51.492	16.56
69	MP4C	Mx	-.019	16.56
70	MP4C	X	0	40.56
71	MP4C	Z	-51.492	40.56
72	MP4C	Mx	-.019	40.56
73	MP3A	X	0	36
74	MP3A	Z	-75.374	36
75	MP3A	Mx	0	36
76	MP3B	X	0	36
77	MP3B	Z	-56.631	36
78	MP3B	Mx	-.041	36
79	MP3C	X	0	36
80	MP3C	Z	-56.631	36
81	MP3C	Mx	.041	36
82	MP2A	X	0	48
83	MP2A	Z	-75.374	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	-49.451	48
87	MP2B	Mx	-.029	48
88	MP2C	X	0	48
89	MP2C	Z	-49.451	48
90	MP2C	Mx	.029	48
91	OVP1	X	0	6
92	OVP1	Z	-163.645	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	74.521	4.56
2	MP2A	Z	-129.075	4.56
3	MP2A	Mx	-.123	4.56
4	MP2A	X	74.521	52.56
5	MP2A	Z	-129.075	52.56
6	MP2A	Mx	-.123	52.56
7	MP2B	X	53.826	4.56
8	MP2B	Z	-93.23	4.56
9	MP2B	Mx	.054	4.56
10	MP2B	X	53.826	52.56
11	MP2B	Z	-93.23	52.56
12	MP2B	Mx	.054	52.56
13	MP2C	X	74.521	4.56
14	MP2C	Z	-129.075	4.56
15	MP2C	Mx	.049	4.56
16	MP2C	X	74.521	52.56
17	MP2C	Z	-129.075	52.56
18	MP2C	Mx	.049	52.56
19	MP2A	X	74.521	4.56
20	MP2A	Z	-129.075	4.56
21	MP2A	Mx	.049	4.56
22	MP2A	X	74.521	52.56
23	MP2A	Z	-129.075	52.56
24	MP2A	Mx	.049	52.56
25	MP2B	X	53.826	4.56
26	MP2B	Z	-93.23	4.56
27	MP2B	Mx	.054	4.56
28	MP2B	X	53.826	52.56
29	MP2B	Z	-93.23	52.56
30	MP2B	Mx	.054	52.56
31	MP2C	X	74.521	4.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
32	MP2C	Z	-129.075	4.56
33	MP2C	Mx	-.123	4.56
34	MP2C	X	74.521	52.56
35	MP2C	Z	-129.075	52.56
36	MP2C	Mx	-.123	52.56
37	MP3A	X	46.409	10.56
38	MP3A	Z	-80.382	10.56
39	MP3A	Mx	-.019	10.56
40	MP3A	X	46.409	46.56
41	MP3A	Z	-80.382	46.56
42	MP3A	Mx	-.019	46.56
43	MP3B	X	26.927	10.56
44	MP3B	Z	-46.639	10.56
45	MP3B	Mx	.022	10.56
46	MP3B	X	26.927	46.56
47	MP3B	Z	-46.639	46.56
48	MP3B	Mx	.022	46.56
49	MP3C	X	46.409	10.56
50	MP3C	Z	-80.382	10.56
51	MP3C	Mx	-.019	10.56
52	MP3C	X	46.409	46.56
53	MP3C	Z	-80.382	46.56
54	MP3C	Mx	-.019	46.56
55	MP4A	X	40.156	16.56
56	MP4A	Z	-69.552	16.56
57	MP4A	Mx	-.017	16.56
58	MP4A	X	40.156	40.56
59	MP4A	Z	-69.552	40.56
60	MP4A	Mx	-.017	40.56
61	MP4B	X	18.542	16.56
62	MP4B	Z	-32.115	16.56
63	MP4B	Mx	.015	16.56
64	MP4B	X	18.542	40.56
65	MP4B	Z	-32.115	40.56
66	MP4B	Mx	.015	40.56
67	MP4C	X	40.156	16.56
68	MP4C	Z	-69.552	16.56
69	MP4C	Mx	-.017	16.56
70	MP4C	X	40.156	40.56
71	MP4C	Z	-69.552	40.56
72	MP4C	Mx	-.017	40.56
73	MP3A	X	34.563	36
74	MP3A	Z	-59.865	36
75	MP3A	Mx	.029	36
76	MP3B	X	25.192	36
77	MP3B	Z	-43.633	36
78	MP3B	Mx	-.042	36
79	MP3C	X	34.563	36
80	MP3C	Z	-59.865	36
81	MP3C	Mx	.029	36
82	MP2A	X	33.366	48
83	MP2A	Z	-57.792	48
84	MP2A	Mx	.022	48
85	MP2B	X	20.405	48
86	MP2B	Z	-35.343	48
87	MP2B	Mx	-.027	48
88	MP2C	X	33.366	48
89	MP2C	Z	-57.792	48
90	MP2C	Mx	.022	48
91	OVP1	X	76.973	6
92	OVP1	Z	-133.322	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	105.178	4.56
2	MP2A	Z	-60.725	4.56
3	MP2A	Mx	-.093	4.56
4	MP2A	X	105.178	52.56
5	MP2A	Z	-60.725	52.56
6	MP2A	Mx	-.093	52.56
7	MP2B	X	105.178	4.56
8	MP2B	Z	-60.725	4.56
9	MP2B	Mx	.012	4.56
10	MP2B	X	105.178	52.56
11	MP2B	Z	-60.725	52.56
12	MP2B	Mx	.012	52.56
13	MP2C	X	141.023	4.56
14	MP2C	Z	-81.42	4.56
15	MP2C	Mx	.109	4.56
16	MP2C	X	141.023	52.56
17	MP2C	Z	-81.42	52.56
18	MP2C	Mx	.109	52.56
19	MP2A	X	105.178	4.56
20	MP2A	Z	-60.725	4.56
21	MP2A	Mx	-.012	4.56
22	MP2A	X	105.178	52.56
23	MP2A	Z	-60.725	52.56
24	MP2A	Mx	-.012	52.56
25	MP2B	X	105.178	4.56
26	MP2B	Z	-60.725	4.56
27	MP2B	Mx	.093	4.56
28	MP2B	X	105.178	52.56
29	MP2B	Z	-60.725	52.56
30	MP2B	Mx	.093	52.56
31	MP2C	X	141.023	4.56
32	MP2C	Z	-81.42	4.56
33	MP2C	Mx	-.109	4.56
34	MP2C	X	141.023	52.56
35	MP2C	Z	-81.42	52.56
36	MP2C	Mx	-.109	52.56
37	MP3A	X	57.887	10.56
38	MP3A	Z	-33.421	10.56
39	MP3A	Mx	-.024	10.56
40	MP3A	X	57.887	46.56
41	MP3A	Z	-33.421	46.56
42	MP3A	Mx	-.024	46.56
43	MP3B	X	57.887	10.56
44	MP3B	Z	-33.421	10.56
45	MP3B	Mx	.024	10.56
46	MP3B	X	57.887	46.56
47	MP3B	Z	-33.421	46.56
48	MP3B	Mx	.024	46.56
49	MP3C	X	91.63	10.56
50	MP3C	Z	-52.903	10.56
51	MP3C	Mx	0	10.56
52	MP3C	X	91.63	46.56
53	MP3C	Z	-52.903	46.56
54	MP3C	Mx	0	46.56
55	MP4A	X	44.594	16.56
56	MP4A	Z	-25.746	16.56
57	MP4A	Mx	-.019	16.56
58	MP4A	X	44.594	40.56
59	MP4A	Z	-25.746	40.56
60	MP4A	Mx	-.019	40.56
61	MP4B	X	44.594	16.56
62	MP4B	Z	-25.746	16.56
63	MP4B	Mx	.019	16.56
64	MP4B	X	44.594	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	-25.746	40.56
66	MP4B	Mx	.019	40.56
67	MP4C	X	82.031	16.56
68	MP4C	Z	-47.36	16.56
69	MP4C	Mx	0	16.56
70	MP4C	X	82.031	40.56
71	MP4C	Z	-47.36	40.56
72	MP4C	Mx	0	40.56
73	MP3A	X	49.044	36
74	MP3A	Z	-28.315	36
75	MP3A	Mx	.041	36
76	MP3B	X	49.044	36
77	MP3B	Z	-28.315	36
78	MP3B	Mx	-.041	36
79	MP3C	X	65.275	36
80	MP3C	Z	-37.687	36
81	MP3C	Mx	0	36
82	MP2A	X	42.826	48
83	MP2A	Z	-24.726	48
84	MP2A	Mx	.029	48
85	MP2B	X	42.826	48
86	MP2B	Z	-24.726	48
87	MP2B	Mx	-.029	48
88	MP2C	X	65.275	48
89	MP2C	Z	-37.687	48
90	MP2C	Mx	0	48
91	OVP1	X	116.523	6
92	OVP1	Z	-67.274	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	107.653	4.56
2	MP2A	Z	0	4.56
3	MP2A	Mx	-.054	4.56
4	MP2A	X	107.653	52.56
5	MP2A	Z	0	52.56
6	MP2A	Mx	-.054	52.56
7	MP2B	X	149.043	4.56
8	MP2B	Z	0	4.56
9	MP2B	Mx	-.049	4.56
10	MP2B	X	149.043	52.56
11	MP2B	Z	0	52.56
12	MP2B	Mx	-.049	52.56
13	MP2C	X	149.043	4.56
14	MP2C	Z	0	4.56
15	MP2C	Mx	.123	4.56
16	MP2C	X	149.043	52.56
17	MP2C	Z	0	52.56
18	MP2C	Mx	.123	52.56
19	MP2A	X	107.653	4.56
20	MP2A	Z	0	4.56
21	MP2A	Mx	-.054	4.56
22	MP2A	X	107.653	52.56
23	MP2A	Z	0	52.56
24	MP2A	Mx	-.054	52.56
25	MP2B	X	149.043	4.56
26	MP2B	Z	0	4.56
27	MP2B	Mx	.123	4.56
28	MP2B	X	149.043	52.56
29	MP2B	Z	0	52.56
30	MP2B	Mx	.123	52.56
31	MP2C	X	149.043	4.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
32	MP2C	Z	0	4.56
33	MP2C	Mx	-.049	4.56
34	MP2C	X	149.043	52.56
35	MP2C	Z	0	52.56
36	MP2C	Mx	-.049	52.56
37	MP3A	X	53.854	10.56
38	MP3A	Z	0	10.56
39	MP3A	Mx	-.022	10.56
40	MP3A	X	53.854	46.56
41	MP3A	Z	0	46.56
42	MP3A	Mx	-.022	46.56
43	MP3B	X	92.817	10.56
44	MP3B	Z	0	10.56
45	MP3B	Mx	.019	10.56
46	MP3B	X	92.817	46.56
47	MP3B	Z	0	46.56
48	MP3B	Mx	.019	46.56
49	MP3C	X	92.817	10.56
50	MP3C	Z	0	10.56
51	MP3C	Mx	.019	10.56
52	MP3C	X	92.817	46.56
53	MP3C	Z	0	46.56
54	MP3C	Mx	.019	46.56
55	MP4A	X	37.083	16.56
56	MP4A	Z	0	16.56
57	MP4A	Mx	-.015	16.56
58	MP4A	X	37.083	40.56
59	MP4A	Z	0	40.56
60	MP4A	Mx	-.015	40.56
61	MP4B	X	80.311	16.56
62	MP4B	Z	0	16.56
63	MP4B	Mx	.017	16.56
64	MP4B	X	80.311	40.56
65	MP4B	Z	0	40.56
66	MP4B	Mx	.017	40.56
67	MP4C	X	80.311	16.56
68	MP4C	Z	0	16.56
69	MP4C	Mx	.017	16.56
70	MP4C	X	80.311	40.56
71	MP4C	Z	0	40.56
72	MP4C	Mx	.017	40.56
73	MP3A	X	50.383	36
74	MP3A	Z	0	36
75	MP3A	Mx	.042	36
76	MP3B	X	69.126	36
77	MP3B	Z	0	36
78	MP3B	Mx	-.029	36
79	MP3C	X	69.126	36
80	MP3C	Z	0	36
81	MP3C	Mx	-.029	36
82	MP2A	X	40.811	48
83	MP2A	Z	0	48
84	MP2A	Mx	.027	48
85	MP2B	X	66.733	48
86	MP2B	Z	0	48
87	MP2B	Mx	-.022	48
88	MP2C	X	66.733	48
89	MP2C	Z	0	48
90	MP2C	Mx	-.022	48
91	OVP1	X	124.85	6
92	OVP1	Z	0	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	105.178	4.56
2	MP2A	Z	60.725	4.56
3	MP2A	Mx	-.012	4.56
4	MP2A	X	105.178	52.56
5	MP2A	Z	60.725	52.56
6	MP2A	Mx	-.012	52.56
7	MP2B	X	141.023	4.56
8	MP2B	Z	81.42	4.56
9	MP2B	Mx	-.109	4.56
10	MP2B	X	141.023	52.56
11	MP2B	Z	81.42	52.56
12	MP2B	Mx	-.109	52.56
13	MP2C	X	105.178	4.56
14	MP2C	Z	60.725	4.56
15	MP2C	Mx	.093	4.56
16	MP2C	X	105.178	52.56
17	MP2C	Z	60.725	52.56
18	MP2C	Mx	.093	52.56
19	MP2A	X	105.178	4.56
20	MP2A	Z	60.725	4.56
21	MP2A	Mx	-.093	4.56
22	MP2A	X	105.178	52.56
23	MP2A	Z	60.725	52.56
24	MP2A	Mx	-.093	52.56
25	MP2B	X	141.023	4.56
26	MP2B	Z	81.42	4.56
27	MP2B	Mx	.109	4.56
28	MP2B	X	141.023	52.56
29	MP2B	Z	81.42	52.56
30	MP2B	Mx	.109	52.56
31	MP2C	X	105.178	4.56
32	MP2C	Z	60.725	4.56
33	MP2C	Mx	.012	4.56
34	MP2C	X	105.178	52.56
35	MP2C	Z	60.725	52.56
36	MP2C	Mx	.012	52.56
37	MP3A	X	57.887	10.56
38	MP3A	Z	33.421	10.56
39	MP3A	Mx	-.024	10.56
40	MP3A	X	57.887	46.56
41	MP3A	Z	33.421	46.56
42	MP3A	Mx	-.024	46.56
43	MP3B	X	91.63	10.56
44	MP3B	Z	52.903	10.56
45	MP3B	Mx	0	10.56
46	MP3B	X	91.63	46.56
47	MP3B	Z	52.903	46.56
48	MP3B	Mx	0	46.56
49	MP3C	X	57.887	10.56
50	MP3C	Z	33.421	10.56
51	MP3C	Mx	.024	10.56
52	MP3C	X	57.887	46.56
53	MP3C	Z	33.421	46.56
54	MP3C	Mx	.024	46.56
55	MP4A	X	44.594	16.56
56	MP4A	Z	25.746	16.56
57	MP4A	Mx	-.019	16.56
58	MP4A	X	44.594	40.56
59	MP4A	Z	25.746	40.56
60	MP4A	Mx	-.019	40.56
61	MP4B	X	82.031	16.56
62	MP4B	Z	47.36	16.56
63	MP4B	Mx	0	16.56
64	MP4B	X	82.031	40.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
65	MP4B	Z	47.36	40.56
66	MP4B	Mx	0	40.56
67	MP4C	X	44.594	16.56
68	MP4C	Z	25.746	16.56
69	MP4C	Mx	.019	16.56
70	MP4C	X	44.594	40.56
71	MP4C	Z	25.746	40.56
72	MP4C	Mx	.019	40.56
73	MP3A	X	49.044	36
74	MP3A	Z	28.315	36
75	MP3A	Mx	.041	36
76	MP3B	X	65.275	36
77	MP3B	Z	37.687	36
78	MP3B	Mx	0	36
79	MP3C	X	49.044	36
80	MP3C	Z	28.315	36
81	MP3C	Mx	-.041	36
82	MP2A	X	42.826	48
83	MP2A	Z	24.726	48
84	MP2A	Mx	.029	48
85	MP2B	X	65.275	48
86	MP2B	Z	37.687	48
87	MP2B	Mx	0	48
88	MP2C	X	42.826	48
89	MP2C	Z	24.726	48
90	MP2C	Mx	-.029	48
91	OVP1	X	116.523	6
92	OVP1	Z	67.274	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	74.521	4.56
2	MP2A	Z	129.075	4.56
3	MP2A	Mx	.049	4.56
4	MP2A	X	74.521	52.56
5	MP2A	Z	129.075	52.56
6	MP2A	Mx	.049	52.56
7	MP2B	X	74.521	4.56
8	MP2B	Z	129.075	4.56
9	MP2B	Mx	-.123	4.56
10	MP2B	X	74.521	52.56
11	MP2B	Z	129.075	52.56
12	MP2B	Mx	-.123	52.56
13	MP2C	X	53.826	4.56
14	MP2C	Z	93.23	4.56
15	MP2C	Mx	.054	4.56
16	MP2C	X	53.826	52.56
17	MP2C	Z	93.23	52.56
18	MP2C	Mx	.054	52.56
19	MP2A	X	74.521	4.56
20	MP2A	Z	129.075	4.56
21	MP2A	Mx	-.123	4.56
22	MP2A	X	74.521	52.56
23	MP2A	Z	129.075	52.56
24	MP2A	Mx	-.123	52.56
25	MP2B	X	74.521	4.56
26	MP2B	Z	129.075	4.56
27	MP2B	Mx	.049	4.56
28	MP2B	X	74.521	52.56
29	MP2B	Z	129.075	52.56
30	MP2B	Mx	.049	52.56
31	MP2C	X	53.826	4.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
32	MP2C	Z	93.23	4.56
33	MP2C	Mx	.054	4.56
34	MP2C	X	53.826	52.56
35	MP2C	Z	93.23	52.56
36	MP2C	Mx	.054	52.56
37	MP3A	X	46.409	10.56
38	MP3A	Z	80.382	10.56
39	MP3A	Mx	-.019	10.56
40	MP3A	X	46.409	46.56
41	MP3A	Z	80.382	46.56
42	MP3A	Mx	-.019	46.56
43	MP3B	X	46.409	10.56
44	MP3B	Z	80.382	10.56
45	MP3B	Mx	-.019	10.56
46	MP3B	X	46.409	46.56
47	MP3B	Z	80.382	46.56
48	MP3B	Mx	-.019	46.56
49	MP3C	X	26.927	10.56
50	MP3C	Z	46.639	10.56
51	MP3C	Mx	.022	10.56
52	MP3C	X	26.927	46.56
53	MP3C	Z	46.639	46.56
54	MP3C	Mx	.022	46.56
55	MP4A	X	40.156	16.56
56	MP4A	Z	69.552	16.56
57	MP4A	Mx	-.017	16.56
58	MP4A	X	40.156	40.56
59	MP4A	Z	69.552	40.56
60	MP4A	Mx	-.017	40.56
61	MP4B	X	40.156	16.56
62	MP4B	Z	69.552	16.56
63	MP4B	Mx	-.017	16.56
64	MP4B	X	40.156	40.56
65	MP4B	Z	69.552	40.56
66	MP4B	Mx	-.017	40.56
67	MP4C	X	18.542	16.56
68	MP4C	Z	32.115	16.56
69	MP4C	Mx	.015	16.56
70	MP4C	X	18.542	40.56
71	MP4C	Z	32.115	40.56
72	MP4C	Mx	.015	40.56
73	MP3A	X	34.563	36
74	MP3A	Z	59.865	36
75	MP3A	Mx	.029	36
76	MP3B	X	34.563	36
77	MP3B	Z	59.865	36
78	MP3B	Mx	.029	36
79	MP3C	X	25.192	36
80	MP3C	Z	43.633	36
81	MP3C	Mx	-.042	36
82	MP2A	X	33.366	48
83	MP2A	Z	57.792	48
84	MP2A	Mx	.022	48
85	MP2B	X	33.366	48
86	MP2B	Z	57.792	48
87	MP2B	Mx	.022	48
88	MP2C	X	20.405	48
89	MP2C	Z	35.343	48
90	MP2C	Mx	-.027	48
91	OVP1	X	76.973	6
92	OVP1	Z	133.322	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	0	4.56
2	MP2A	Z	162.839	4.56
3	MP2A	Mx	.109	4.56
4	MP2A	X	0	52.56
5	MP2A	Z	162.839	52.56
6	MP2A	Mx	.109	52.56
7	MP2B	X	0	4.56
8	MP2B	Z	121.449	4.56
9	MP2B	Mx	-.093	4.56
10	MP2B	X	0	52.56
11	MP2B	Z	121.449	52.56
12	MP2B	Mx	-.093	52.56
13	MP2C	X	0	4.56
14	MP2C	Z	121.449	4.56
15	MP2C	Mx	.012	4.56
16	MP2C	X	0	52.56
17	MP2C	Z	121.449	52.56
18	MP2C	Mx	.012	52.56
19	MP2A	X	0	4.56
20	MP2A	Z	162.839	4.56
21	MP2A	Mx	-.109	4.56
22	MP2A	X	0	52.56
23	MP2A	Z	162.839	52.56
24	MP2A	Mx	-.109	52.56
25	MP2B	X	0	4.56
26	MP2B	Z	121.449	4.56
27	MP2B	Mx	-.012	4.56
28	MP2B	X	0	52.56
29	MP2B	Z	121.449	52.56
30	MP2B	Mx	-.012	52.56
31	MP2C	X	0	4.56
32	MP2C	Z	121.449	4.56
33	MP2C	Mx	.093	4.56
34	MP2C	X	0	52.56
35	MP2C	Z	121.449	52.56
36	MP2C	Mx	.093	52.56
37	MP3A	X	0	10.56
38	MP3A	Z	105.805	10.56
39	MP3A	Mx	0	10.56
40	MP3A	X	0	46.56
41	MP3A	Z	105.805	46.56
42	MP3A	Mx	0	46.56
43	MP3B	X	0	10.56
44	MP3B	Z	66.842	10.56
45	MP3B	Mx	-.024	10.56
46	MP3B	X	0	46.56
47	MP3B	Z	66.842	46.56
48	MP3B	Mx	-.024	46.56
49	MP3C	X	0	10.56
50	MP3C	Z	66.842	10.56
51	MP3C	Mx	.024	10.56
52	MP3C	X	0	46.56
53	MP3C	Z	66.842	46.56
54	MP3C	Mx	.024	46.56
55	MP4A	X	0	16.56
56	MP4A	Z	94.721	16.56
57	MP4A	Mx	0	16.56
58	MP4A	X	0	40.56
59	MP4A	Z	94.721	40.56
60	MP4A	Mx	0	40.56
61	MP4B	X	0	16.56
62	MP4B	Z	51.492	16.56
63	MP4B	Mx	-.019	16.56
64	MP4B	X	0	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	51.492	40.56
66	MP4B	Mx	-.019	40.56
67	MP4C	X	0	16.56
68	MP4C	Z	51.492	16.56
69	MP4C	Mx	.019	16.56
70	MP4C	X	0	40.56
71	MP4C	Z	51.492	40.56
72	MP4C	Mx	.019	40.56
73	MP3A	X	0	36
74	MP3A	Z	75.374	36
75	MP3A	Mx	0	36
76	MP3B	X	0	36
77	MP3B	Z	56.631	36
78	MP3B	Mx	.041	36
79	MP3C	X	0	36
80	MP3C	Z	56.631	36
81	MP3C	Mx	-.041	36
82	MP2A	X	0	48
83	MP2A	Z	75.374	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	49.451	48
87	MP2B	Mx	.029	48
88	MP2C	X	0	48
89	MP2C	Z	49.451	48
90	MP2C	Mx	-.029	48
91	OVP1	X	0	6
92	OVP1	Z	163.645	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-74.521	4.56
2	MP2A	Z	129.075	4.56
3	MP2A	Mx	.123	4.56
4	MP2A	X	-74.521	52.56
5	MP2A	Z	129.075	52.56
6	MP2A	Mx	.123	52.56
7	MP2B	X	-53.826	4.56
8	MP2B	Z	93.23	4.56
9	MP2B	Mx	-.054	4.56
10	MP2B	X	-53.826	52.56
11	MP2B	Z	93.23	52.56
12	MP2B	Mx	-.054	52.56
13	MP2C	X	-74.521	4.56
14	MP2C	Z	129.075	4.56
15	MP2C	Mx	-.049	4.56
16	MP2C	X	-74.521	52.56
17	MP2C	Z	129.075	52.56
18	MP2C	Mx	-.049	52.56
19	MP2A	X	-74.521	4.56
20	MP2A	Z	129.075	4.56
21	MP2A	Mx	-.049	4.56
22	MP2A	X	-74.521	52.56
23	MP2A	Z	129.075	52.56
24	MP2A	Mx	-.049	52.56
25	MP2B	X	-53.826	4.56
26	MP2B	Z	93.23	4.56
27	MP2B	Mx	-.054	4.56
28	MP2B	X	-53.826	52.56
29	MP2B	Z	93.23	52.56
30	MP2B	Mx	-.054	52.56
31	MP2C	X	-74.521	4.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
32	MP2C	Z	129.075	4.56
33	MP2C	Mx	.123	4.56
34	MP2C	X	-74.521	52.56
35	MP2C	Z	129.075	52.56
36	MP2C	Mx	.123	52.56
37	MP3A	X	-46.409	10.56
38	MP3A	Z	80.382	10.56
39	MP3A	Mx	.019	10.56
40	MP3A	X	-46.409	46.56
41	MP3A	Z	80.382	46.56
42	MP3A	Mx	.019	46.56
43	MP3B	X	-26.927	10.56
44	MP3B	Z	46.639	10.56
45	MP3B	Mx	-.022	10.56
46	MP3B	X	-26.927	46.56
47	MP3B	Z	46.639	46.56
48	MP3B	Mx	-.022	46.56
49	MP3C	X	-46.409	10.56
50	MP3C	Z	80.382	10.56
51	MP3C	Mx	.019	10.56
52	MP3C	X	-46.409	46.56
53	MP3C	Z	80.382	46.56
54	MP3C	Mx	.019	46.56
55	MP4A	X	-40.156	16.56
56	MP4A	Z	69.552	16.56
57	MP4A	Mx	.017	16.56
58	MP4A	X	-40.156	40.56
59	MP4A	Z	69.552	40.56
60	MP4A	Mx	.017	40.56
61	MP4B	X	-18.542	16.56
62	MP4B	Z	32.115	16.56
63	MP4B	Mx	-.015	16.56
64	MP4B	X	-18.542	40.56
65	MP4B	Z	32.115	40.56
66	MP4B	Mx	-.015	40.56
67	MP4C	X	-40.156	16.56
68	MP4C	Z	69.552	16.56
69	MP4C	Mx	.017	16.56
70	MP4C	X	-40.156	40.56
71	MP4C	Z	69.552	40.56
72	MP4C	Mx	.017	40.56
73	MP3A	X	-34.563	36
74	MP3A	Z	59.865	36
75	MP3A	Mx	-.029	36
76	MP3B	X	-25.192	36
77	MP3B	Z	43.633	36
78	MP3B	Mx	.042	36
79	MP3C	X	-34.563	36
80	MP3C	Z	59.865	36
81	MP3C	Mx	-.029	36
82	MP2A	X	-33.366	48
83	MP2A	Z	57.792	48
84	MP2A	Mx	-.022	48
85	MP2B	X	-20.405	48
86	MP2B	Z	35.343	48
87	MP2B	Mx	.027	48
88	MP2C	X	-33.366	48
89	MP2C	Z	57.792	48
90	MP2C	Mx	-.022	48
91	OVP1	X	-76.973	6
92	OVP1	Z	133.322	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-105.178	4.56
2	MP2A	Z	60.725	4.56
3	MP2A	Mx	.093	4.56
4	MP2A	X	-105.178	52.56
5	MP2A	Z	60.725	52.56
6	MP2A	Mx	.093	52.56
7	MP2B	X	-105.178	4.56
8	MP2B	Z	60.725	4.56
9	MP2B	Mx	-.012	4.56
10	MP2B	X	-105.178	52.56
11	MP2B	Z	60.725	52.56
12	MP2B	Mx	-.012	52.56
13	MP2C	X	-141.023	4.56
14	MP2C	Z	81.42	4.56
15	MP2C	Mx	-.109	4.56
16	MP2C	X	-141.023	52.56
17	MP2C	Z	81.42	52.56
18	MP2C	Mx	-.109	52.56
19	MP2A	X	-105.178	4.56
20	MP2A	Z	60.725	4.56
21	MP2A	Mx	.012	4.56
22	MP2A	X	-105.178	52.56
23	MP2A	Z	60.725	52.56
24	MP2A	Mx	.012	52.56
25	MP2B	X	-105.178	4.56
26	MP2B	Z	60.725	4.56
27	MP2B	Mx	-.093	4.56
28	MP2B	X	-105.178	52.56
29	MP2B	Z	60.725	52.56
30	MP2B	Mx	-.093	52.56
31	MP2C	X	-141.023	4.56
32	MP2C	Z	81.42	4.56
33	MP2C	Mx	.109	4.56
34	MP2C	X	-141.023	52.56
35	MP2C	Z	81.42	52.56
36	MP2C	Mx	.109	52.56
37	MP3A	X	-57.887	10.56
38	MP3A	Z	33.421	10.56
39	MP3A	Mx	.024	10.56
40	MP3A	X	-57.887	46.56
41	MP3A	Z	33.421	46.56
42	MP3A	Mx	.024	46.56
43	MP3B	X	-57.887	10.56
44	MP3B	Z	33.421	10.56
45	MP3B	Mx	-.024	10.56
46	MP3B	X	-57.887	46.56
47	MP3B	Z	33.421	46.56
48	MP3B	Mx	-.024	46.56
49	MP3C	X	-91.63	10.56
50	MP3C	Z	52.903	10.56
51	MP3C	Mx	0	10.56
52	MP3C	X	-91.63	46.56
53	MP3C	Z	52.903	46.56
54	MP3C	Mx	0	46.56
55	MP4A	X	-44.594	16.56
56	MP4A	Z	25.746	16.56
57	MP4A	Mx	.019	16.56
58	MP4A	X	-44.594	40.56
59	MP4A	Z	25.746	40.56
60	MP4A	Mx	.019	40.56
61	MP4B	X	-44.594	16.56
62	MP4B	Z	25.746	16.56
63	MP4B	Mx	-.019	16.56
64	MP4B	X	-44.594	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	25.746	40.56
66	MP4B	Mx	-.019	40.56
67	MP4C	X	-82.031	16.56
68	MP4C	Z	47.36	16.56
69	MP4C	Mx	0	16.56
70	MP4C	X	-82.031	40.56
71	MP4C	Z	47.36	40.56
72	MP4C	Mx	0	40.56
73	MP3A	X	-49.044	36
74	MP3A	Z	28.315	36
75	MP3A	Mx	-.041	36
76	MP3B	X	-49.044	36
77	MP3B	Z	28.315	36
78	MP3B	Mx	.041	36
79	MP3C	X	-65.275	36
80	MP3C	Z	37.687	36
81	MP3C	Mx	0	36
82	MP2A	X	-42.826	48
83	MP2A	Z	24.726	48
84	MP2A	Mx	-.029	48
85	MP2B	X	-42.826	48
86	MP2B	Z	24.726	48
87	MP2B	Mx	.029	48
88	MP2C	X	-65.275	48
89	MP2C	Z	37.687	48
90	MP2C	Mx	0	48
91	OVP1	X	-116.523	6
92	OVP1	Z	67.274	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-107.653	4.56
2	MP2A	Z	0	4.56
3	MP2A	Mx	.054	4.56
4	MP2A	X	-107.653	52.56
5	MP2A	Z	0	52.56
6	MP2A	Mx	.054	52.56
7	MP2B	X	-149.043	4.56
8	MP2B	Z	0	4.56
9	MP2B	Mx	.049	4.56
10	MP2B	X	-149.043	52.56
11	MP2B	Z	0	52.56
12	MP2B	Mx	.049	52.56
13	MP2C	X	-149.043	4.56
14	MP2C	Z	0	4.56
15	MP2C	Mx	-.123	4.56
16	MP2C	X	-149.043	52.56
17	MP2C	Z	0	52.56
18	MP2C	Mx	-.123	52.56
19	MP2A	X	-107.653	4.56
20	MP2A	Z	0	4.56
21	MP2A	Mx	.054	4.56
22	MP2A	X	-107.653	52.56
23	MP2A	Z	0	52.56
24	MP2A	Mx	.054	52.56
25	MP2B	X	-149.043	4.56
26	MP2B	Z	0	4.56
27	MP2B	Mx	-.123	4.56
28	MP2B	X	-149.043	52.56
29	MP2B	Z	0	52.56
30	MP2B	Mx	-.123	52.56
31	MP2C	X	-149.043	4.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
32	MP2C	Z	0	4.56
33	MP2C	Mx	.049	4.56
34	MP2C	X	-149.043	52.56
35	MP2C	Z	0	52.56
36	MP2C	Mx	.049	52.56
37	MP3A	X	-53.854	10.56
38	MP3A	Z	0	10.56
39	MP3A	Mx	.022	10.56
40	MP3A	X	-53.854	46.56
41	MP3A	Z	0	46.56
42	MP3A	Mx	.022	46.56
43	MP3B	X	-92.817	10.56
44	MP3B	Z	0	10.56
45	MP3B	Mx	-.019	10.56
46	MP3B	X	-92.817	46.56
47	MP3B	Z	0	46.56
48	MP3B	Mx	-.019	46.56
49	MP3C	X	-92.817	10.56
50	MP3C	Z	0	10.56
51	MP3C	Mx	-.019	10.56
52	MP3C	X	-92.817	46.56
53	MP3C	Z	0	46.56
54	MP3C	Mx	-.019	46.56
55	MP4A	X	-37.083	16.56
56	MP4A	Z	0	16.56
57	MP4A	Mx	.015	16.56
58	MP4A	X	-37.083	40.56
59	MP4A	Z	0	40.56
60	MP4A	Mx	.015	40.56
61	MP4B	X	-80.311	16.56
62	MP4B	Z	0	16.56
63	MP4B	Mx	-.017	16.56
64	MP4B	X	-80.311	40.56
65	MP4B	Z	0	40.56
66	MP4B	Mx	-.017	40.56
67	MP4C	X	-80.311	16.56
68	MP4C	Z	0	16.56
69	MP4C	Mx	-.017	16.56
70	MP4C	X	-80.311	40.56
71	MP4C	Z	0	40.56
72	MP4C	Mx	-.017	40.56
73	MP3A	X	-50.383	36
74	MP3A	Z	0	36
75	MP3A	Mx	-.042	36
76	MP3B	X	-69.126	36
77	MP3B	Z	0	36
78	MP3B	Mx	.029	36
79	MP3C	X	-69.126	36
80	MP3C	Z	0	36
81	MP3C	Mx	.029	36
82	MP2A	X	-40.811	48
83	MP2A	Z	0	48
84	MP2A	Mx	-.027	48
85	MP2B	X	-66.733	48
86	MP2B	Z	0	48
87	MP2B	Mx	.022	48
88	MP2C	X	-66.733	48
89	MP2C	Z	0	48
90	MP2C	Mx	.022	48
91	OVP1	X	-124.85	6
92	OVP1	Z	0	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-105.178	4.56
2	MP2A	Z	-60.725	4.56
3	MP2A	Mx	.012	4.56
4	MP2A	X	-105.178	52.56
5	MP2A	Z	-60.725	52.56
6	MP2A	Mx	.012	52.56
7	MP2B	X	-141.023	4.56
8	MP2B	Z	-81.42	4.56
9	MP2B	Mx	.109	4.56
10	MP2B	X	-141.023	52.56
11	MP2B	Z	-81.42	52.56
12	MP2B	Mx	.109	52.56
13	MP2C	X	-105.178	4.56
14	MP2C	Z	-60.725	4.56
15	MP2C	Mx	-.093	4.56
16	MP2C	X	-105.178	52.56
17	MP2C	Z	-60.725	52.56
18	MP2C	Mx	-.093	52.56
19	MP2A	X	-105.178	4.56
20	MP2A	Z	-60.725	4.56
21	MP2A	Mx	.093	4.56
22	MP2A	X	-105.178	52.56
23	MP2A	Z	-60.725	52.56
24	MP2A	Mx	.093	52.56
25	MP2B	X	-141.023	4.56
26	MP2B	Z	-81.42	4.56
27	MP2B	Mx	-.109	4.56
28	MP2B	X	-141.023	52.56
29	MP2B	Z	-81.42	52.56
30	MP2B	Mx	-.109	52.56
31	MP2C	X	-105.178	4.56
32	MP2C	Z	-60.725	4.56
33	MP2C	Mx	-.012	4.56
34	MP2C	X	-105.178	52.56
35	MP2C	Z	-60.725	52.56
36	MP2C	Mx	-.012	52.56
37	MP3A	X	-57.887	10.56
38	MP3A	Z	-33.421	10.56
39	MP3A	Mx	.024	10.56
40	MP3A	X	-57.887	46.56
41	MP3A	Z	-33.421	46.56
42	MP3A	Mx	.024	46.56
43	MP3B	X	-91.63	10.56
44	MP3B	Z	-52.903	10.56
45	MP3B	Mx	0	10.56
46	MP3B	X	-91.63	46.56
47	MP3B	Z	-52.903	46.56
48	MP3B	Mx	0	46.56
49	MP3C	X	-57.887	10.56
50	MP3C	Z	-33.421	10.56
51	MP3C	Mx	-.024	10.56
52	MP3C	X	-57.887	46.56
53	MP3C	Z	-33.421	46.56
54	MP3C	Mx	-.024	46.56
55	MP4A	X	-44.594	16.56
56	MP4A	Z	-25.746	16.56
57	MP4A	Mx	.019	16.56
58	MP4A	X	-44.594	40.56
59	MP4A	Z	-25.746	40.56
60	MP4A	Mx	.019	40.56
61	MP4B	X	-82.031	16.56
62	MP4B	Z	-47.36	16.56
63	MP4B	Mx	0	16.56
64	MP4B	X	-82.031	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	-47.36	40.56
66	MP4B	Mx	0	40.56
67	MP4C	X	-44.594	16.56
68	MP4C	Z	-25.746	16.56
69	MP4C	Mx	-.019	16.56
70	MP4C	X	-44.594	40.56
71	MP4C	Z	-25.746	40.56
72	MP4C	Mx	-.019	40.56
73	MP3A	X	-49.044	36
74	MP3A	Z	-28.315	36
75	MP3A	Mx	-.041	36
76	MP3B	X	-65.275	36
77	MP3B	Z	-37.687	36
78	MP3B	Mx	0	36
79	MP3C	X	-49.044	36
80	MP3C	Z	-28.315	36
81	MP3C	Mx	.041	36
82	MP2A	X	-42.826	48
83	MP2A	Z	-24.726	48
84	MP2A	Mx	-.029	48
85	MP2B	X	-65.275	48
86	MP2B	Z	-37.687	48
87	MP2B	Mx	0	48
88	MP2C	X	-42.826	48
89	MP2C	Z	-24.726	48
90	MP2C	Mx	.029	48
91	OVP1	X	-116.523	6
92	OVP1	Z	-67.274	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-74.521	4.56
2	MP2A	Z	-129.075	4.56
3	MP2A	Mx	-.049	4.56
4	MP2A	X	-74.521	52.56
5	MP2A	Z	-129.075	52.56
6	MP2A	Mx	-.049	52.56
7	MP2B	X	-74.521	4.56
8	MP2B	Z	-129.075	4.56
9	MP2B	Mx	.123	4.56
10	MP2B	X	-74.521	52.56
11	MP2B	Z	-129.075	52.56
12	MP2B	Mx	.123	52.56
13	MP2C	X	-53.826	4.56
14	MP2C	Z	-93.23	4.56
15	MP2C	Mx	-.054	4.56
16	MP2C	X	-53.826	52.56
17	MP2C	Z	-93.23	52.56
18	MP2C	Mx	-.054	52.56
19	MP2A	X	-74.521	4.56
20	MP2A	Z	-129.075	4.56
21	MP2A	Mx	.123	4.56
22	MP2A	X	-74.521	52.56
23	MP2A	Z	-129.075	52.56
24	MP2A	Mx	.123	52.56
25	MP2B	X	-74.521	4.56
26	MP2B	Z	-129.075	4.56
27	MP2B	Mx	-.049	4.56
28	MP2B	X	-74.521	52.56
29	MP2B	Z	-129.075	52.56
30	MP2B	Mx	-.049	52.56
31	MP2C	X	-53.826	4.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
32	MP2C	Z	-93.23	4.56
33	MP2C	Mx	-.054	4.56
34	MP2C	X	-53.826	52.56
35	MP2C	Z	-93.23	52.56
36	MP2C	Mx	-.054	52.56
37	MP3A	X	-46.409	10.56
38	MP3A	Z	-80.382	10.56
39	MP3A	Mx	.019	10.56
40	MP3A	X	-46.409	46.56
41	MP3A	Z	-80.382	46.56
42	MP3A	Mx	.019	46.56
43	MP3B	X	-46.409	10.56
44	MP3B	Z	-80.382	10.56
45	MP3B	Mx	.019	10.56
46	MP3B	X	-46.409	46.56
47	MP3B	Z	-80.382	46.56
48	MP3B	Mx	.019	46.56
49	MP3C	X	-26.927	10.56
50	MP3C	Z	-46.639	10.56
51	MP3C	Mx	-.022	10.56
52	MP3C	X	-26.927	46.56
53	MP3C	Z	-46.639	46.56
54	MP3C	Mx	-.022	46.56
55	MP4A	X	-40.156	16.56
56	MP4A	Z	-69.552	16.56
57	MP4A	Mx	.017	16.56
58	MP4A	X	-40.156	40.56
59	MP4A	Z	-69.552	40.56
60	MP4A	Mx	.017	40.56
61	MP4B	X	-40.156	16.56
62	MP4B	Z	-69.552	16.56
63	MP4B	Mx	.017	16.56
64	MP4B	X	-40.156	40.56
65	MP4B	Z	-69.552	40.56
66	MP4B	Mx	.017	40.56
67	MP4C	X	-18.542	16.56
68	MP4C	Z	-32.115	16.56
69	MP4C	Mx	-.015	16.56
70	MP4C	X	-18.542	40.56
71	MP4C	Z	-32.115	40.56
72	MP4C	Mx	-.015	40.56
73	MP3A	X	-34.563	36
74	MP3A	Z	-59.865	36
75	MP3A	Mx	-.029	36
76	MP3B	X	-34.563	36
77	MP3B	Z	-59.865	36
78	MP3B	Mx	-.029	36
79	MP3C	X	-25.192	36
80	MP3C	Z	-43.633	36
81	MP3C	Mx	.042	36
82	MP2A	X	-33.366	48
83	MP2A	Z	-57.792	48
84	MP2A	Mx	-.022	48
85	MP2B	X	-33.366	48
86	MP2B	Z	-57.792	48
87	MP2B	Mx	-.022	48
88	MP2C	X	-20.405	48
89	MP2C	Z	-35.343	48
90	MP2C	Mx	.027	48
91	OVP1	X	-76.973	6
92	OVP1	Z	-133.322	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	0	4.56
2	MP2A	Z	-32.255	4.56
3	MP2A	Mx	-.022	4.56
4	MP2A	X	0	52.56
5	MP2A	Z	-32.255	52.56
6	MP2A	Mx	-.022	52.56
7	MP2B	X	0	4.56
8	MP2B	Z	-24.747	4.56
9	MP2B	Mx	.019	4.56
10	MP2B	X	0	52.56
11	MP2B	Z	-24.747	52.56
12	MP2B	Mx	.019	52.56
13	MP2C	X	0	4.56
14	MP2C	Z	-24.747	4.56
15	MP2C	Mx	-.002	4.56
16	MP2C	X	0	52.56
17	MP2C	Z	-24.747	52.56
18	MP2C	Mx	-.002	52.56
19	MP2A	X	0	4.56
20	MP2A	Z	-32.255	4.56
21	MP2A	Mx	.022	4.56
22	MP2A	X	0	52.56
23	MP2A	Z	-32.255	52.56
24	MP2A	Mx	.022	52.56
25	MP2B	X	0	4.56
26	MP2B	Z	-24.747	4.56
27	MP2B	Mx	.002	4.56
28	MP2B	X	0	52.56
29	MP2B	Z	-24.747	52.56
30	MP2B	Mx	.002	52.56
31	MP2C	X	0	4.56
32	MP2C	Z	-24.747	4.56
33	MP2C	Mx	-.019	4.56
34	MP2C	X	0	52.56
35	MP2C	Z	-24.747	52.56
36	MP2C	Mx	-.019	52.56
37	MP3A	X	0	10.56
38	MP3A	Z	-21.319	10.56
39	MP3A	Mx	0	10.56
40	MP3A	X	0	46.56
41	MP3A	Z	-21.319	46.56
42	MP3A	Mx	0	46.56
43	MP3B	X	0	10.56
44	MP3B	Z	-14.086	10.56
45	MP3B	Mx	.005	10.56
46	MP3B	X	0	46.56
47	MP3B	Z	-14.086	46.56
48	MP3B	Mx	.005	46.56
49	MP3C	X	0	10.56
50	MP3C	Z	-14.086	10.56
51	MP3C	Mx	-.005	10.56
52	MP3C	X	0	46.56
53	MP3C	Z	-14.086	46.56
54	MP3C	Mx	-.005	46.56
55	MP4A	X	0	16.56
56	MP4A	Z	-19.215	16.56
57	MP4A	Mx	0	16.56
58	MP4A	X	0	40.56
59	MP4A	Z	-19.215	40.56
60	MP4A	Mx	0	40.56
61	MP4B	X	0	16.56
62	MP4B	Z	-10.943	16.56
63	MP4B	Mx	.004	16.56
64	MP4B	X	0	40.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
65	MP4B	Z	-10.943	40.56
66	MP4B	Mx	.004	40.56
67	MP4C	X	0	16.56
68	MP4C	Z	-10.943	16.56
69	MP4C	Mx	-.004	16.56
70	MP4C	X	0	40.56
71	MP4C	Z	-10.943	40.56
72	MP4C	Mx	-.004	40.56
73	MP3A	X	0	36
74	MP3A	Z	-16.196	36
75	MP3A	Mx	0	36
76	MP3B	X	0	36
77	MP3B	Z	-12.499	36
78	MP3B	Mx	-.009	36
79	MP3C	X	0	36
80	MP3C	Z	-12.499	36
81	MP3C	Mx	.009	36
82	MP2A	X	0	48
83	MP2A	Z	-16.196	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	-11.094	48
87	MP2B	Mx	-.006	48
88	MP2C	X	0	48
89	MP2C	Z	-11.094	48
90	MP2C	Mx	.006	48
91	OVP1	X	0	6
92	OVP1	Z	-33.282	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	X	14.876	4.56
2	MP2A	Z	-25.766	4.56
3	MP2A	Mx	-.025	4.56
4	MP2A	X	14.876	52.56
5	MP2A	Z	-25.766	52.56
6	MP2A	Mx	-.025	52.56
7	MP2B	X	11.122	4.56
8	MP2B	Z	-19.264	4.56
9	MP2B	Mx	.011	4.56
10	MP2B	X	11.122	52.56
11	MP2B	Z	-19.264	52.56
12	MP2B	Mx	.011	52.56
13	MP2C	X	14.876	4.56
14	MP2C	Z	-25.766	4.56
15	MP2C	Mx	.01	4.56
16	MP2C	X	14.876	52.56
17	MP2C	Z	-25.766	52.56
18	MP2C	Mx	.01	52.56
19	MP2A	X	14.876	4.56
20	MP2A	Z	-25.766	4.56
21	MP2A	Mx	.01	4.56
22	MP2A	X	14.876	52.56
23	MP2A	Z	-25.766	52.56
24	MP2A	Mx	.01	52.56
25	MP2B	X	11.122	4.56
26	MP2B	Z	-19.264	4.56
27	MP2B	Mx	.011	4.56
28	MP2B	X	11.122	52.56
29	MP2B	Z	-19.264	52.56
30	MP2B	Mx	.011	52.56
31	MP2C	X	14.876	4.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
32	MP2C	Z	-25.766	4.56
33	MP2C	Mx	-.025	4.56
34	MP2C	X	14.876	52.56
35	MP2C	Z	-25.766	52.56
36	MP2C	Mx	-.025	52.56
37	MP3A	X	9.454	10.56
38	MP3A	Z	-16.375	10.56
39	MP3A	Mx	-.004	10.56
40	MP3A	X	9.454	46.56
41	MP3A	Z	-16.375	46.56
42	MP3A	Mx	-.004	46.56
43	MP3B	X	5.838	10.56
44	MP3B	Z	-10.111	10.56
45	MP3B	Mx	.005	10.56
46	MP3B	X	5.838	46.56
47	MP3B	Z	-10.111	46.56
48	MP3B	Mx	.005	46.56
49	MP3C	X	9.454	10.56
50	MP3C	Z	-16.375	10.56
51	MP3C	Mx	-.004	10.56
52	MP3C	X	9.454	46.56
53	MP3C	Z	-16.375	46.56
54	MP3C	Mx	-.004	46.56
55	MP4A	X	8.229	16.56
56	MP4A	Z	-14.253	16.56
57	MP4A	Mx	-.003	16.56
58	MP4A	X	8.229	40.56
59	MP4A	Z	-14.253	40.56
60	MP4A	Mx	-.003	40.56
61	MP4B	X	4.093	16.56
62	MP4B	Z	-7.089	16.56
63	MP4B	Mx	.003	16.56
64	MP4B	X	4.093	40.56
65	MP4B	Z	-7.089	40.56
66	MP4B	Mx	.003	40.56
67	MP4C	X	8.229	16.56
68	MP4C	Z	-14.253	16.56
69	MP4C	Mx	-.003	16.56
70	MP4C	X	8.229	40.56
71	MP4C	Z	-14.253	40.56
72	MP4C	Mx	-.003	40.56
73	MP3A	X	7.482	36
74	MP3A	Z	-12.959	36
75	MP3A	Mx	.006	36
76	MP3B	X	5.633	36
77	MP3B	Z	-9.757	36
78	MP3B	Mx	-.009	36
79	MP3C	X	7.482	36
80	MP3C	Z	-12.959	36
81	MP3C	Mx	.006	36
82	MP2A	X	7.248	48
83	MP2A	Z	-12.553	48
84	MP2A	Mx	.005	48
85	MP2B	X	4.697	48
86	MP2B	Z	-8.135	48
87	MP2B	Mx	-.006	48
88	MP2C	X	7.248	48
89	MP2C	Z	-12.553	48
90	MP2C	Mx	.005	48
91	OVP1	X	15.734	6
92	OVP1	Z	-27.253	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	X	21.431	4.56
2	MP2A	Z	-12.373	4.56
3	MP2A	Mx	-.019	4.56
4	MP2A	X	21.431	52.56
5	MP2A	Z	-12.373	52.56
6	MP2A	Mx	-.019	52.56
7	MP2B	X	21.431	4.56
8	MP2B	Z	-12.373	4.56
9	MP2B	Mx	.002	4.56
10	MP2B	X	21.431	52.56
11	MP2B	Z	-12.373	52.56
12	MP2B	Mx	.002	52.56
13	MP2C	X	27.934	4.56
14	MP2C	Z	-16.128	4.56
15	MP2C	Mx	.022	4.56
16	MP2C	X	27.934	52.56
17	MP2C	Z	-16.128	52.56
18	MP2C	Mx	.022	52.56
19	MP2A	X	21.431	4.56
20	MP2A	Z	-12.373	4.56
21	MP2A	Mx	-.002	4.56
22	MP2A	X	21.431	52.56
23	MP2A	Z	-12.373	52.56
24	MP2A	Mx	-.002	52.56
25	MP2B	X	21.431	4.56
26	MP2B	Z	-12.373	4.56
27	MP2B	Mx	.019	4.56
28	MP2B	X	21.431	52.56
29	MP2B	Z	-12.373	52.56
30	MP2B	Mx	.019	52.56
31	MP2C	X	27.934	4.56
32	MP2C	Z	-16.128	4.56
33	MP2C	Mx	-.022	4.56
34	MP2C	X	27.934	52.56
35	MP2C	Z	-16.128	52.56
36	MP2C	Mx	-.022	52.56
37	MP3A	X	12.199	10.56
38	MP3A	Z	-7.043	10.56
39	MP3A	Mx	-.005	10.56
40	MP3A	X	12.199	46.56
41	MP3A	Z	-7.043	46.56
42	MP3A	Mx	-.005	46.56
43	MP3B	X	12.199	10.56
44	MP3B	Z	-7.043	10.56
45	MP3B	Mx	.005	10.56
46	MP3B	X	12.199	46.56
47	MP3B	Z	-7.043	46.56
48	MP3B	Mx	.005	46.56
49	MP3C	X	18.463	10.56
50	MP3C	Z	-10.66	10.56
51	MP3C	Mx	0	10.56
52	MP3C	X	18.463	46.56
53	MP3C	Z	-10.66	46.56
54	MP3C	Mx	0	46.56
55	MP4A	X	9.477	16.56
56	MP4A	Z	-5.472	16.56
57	MP4A	Mx	-.004	16.56
58	MP4A	X	9.477	40.56
59	MP4A	Z	-5.472	40.56
60	MP4A	Mx	-.004	40.56
61	MP4B	X	9.477	16.56
62	MP4B	Z	-5.472	16.56
63	MP4B	Mx	.004	16.56
64	MP4B	X	9.477	40.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
65	MP4B	Z	-5.472	40.56
66	MP4B	Mx	.004	40.56
67	MP4C	X	16.641	16.56
68	MP4C	Z	-9.608	16.56
69	MP4C	Mx	0	16.56
70	MP4C	X	16.641	40.56
71	MP4C	Z	-9.608	40.56
72	MP4C	Mx	0	40.56
73	MP3A	X	10.824	36
74	MP3A	Z	-6.249	36
75	MP3A	Mx	.009	36
76	MP3B	X	10.824	36
77	MP3B	Z	-6.249	36
78	MP3B	Mx	-.009	36
79	MP3C	X	14.026	36
80	MP3C	Z	-8.098	36
81	MP3C	Mx	0	36
82	MP2A	X	9.608	48
83	MP2A	Z	-5.547	48
84	MP2A	Mx	.006	48
85	MP2B	X	9.608	48
86	MP2B	Z	-5.547	48
87	MP2B	Mx	-.006	48
88	MP2C	X	14.026	48
89	MP2C	Z	-8.098	48
90	MP2C	Mx	0	48
91	OVP1	X	24.111	6
92	OVP1	Z	-13.92	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	X	22.244	4.56
2	MP2A	Z	0	4.56
3	MP2A	Mx	-.011	4.56
4	MP2A	X	22.244	52.56
5	MP2A	Z	0	52.56
6	MP2A	Mx	-.011	52.56
7	MP2B	X	29.752	4.56
8	MP2B	Z	0	4.56
9	MP2B	Mx	-.01	4.56
10	MP2B	X	29.752	52.56
11	MP2B	Z	0	52.56
12	MP2B	Mx	-.01	52.56
13	MP2C	X	29.752	4.56
14	MP2C	Z	0	4.56
15	MP2C	Mx	.025	4.56
16	MP2C	X	29.752	52.56
17	MP2C	Z	0	52.56
18	MP2C	Mx	.025	52.56
19	MP2A	X	22.244	4.56
20	MP2A	Z	0	4.56
21	MP2A	Mx	-.011	4.56
22	MP2A	X	22.244	52.56
23	MP2A	Z	0	52.56
24	MP2A	Mx	-.011	52.56
25	MP2B	X	29.752	4.56
26	MP2B	Z	0	4.56
27	MP2B	Mx	.025	4.56
28	MP2B	X	29.752	52.56
29	MP2B	Z	0	52.56
30	MP2B	Mx	.025	52.56
31	MP2C	X	29.752	4.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
32	MP2C	Z	0	4.56
33	MP2C	Mx	-.01	4.56
34	MP2C	X	29.752	52.56
35	MP2C	Z	0	52.56
36	MP2C	Mx	-.01	52.56
37	MP3A	X	11.675	10.56
38	MP3A	Z	0	10.56
39	MP3A	Mx	-.005	10.56
40	MP3A	X	11.675	46.56
41	MP3A	Z	0	46.56
42	MP3A	Mx	-.005	46.56
43	MP3B	X	18.908	10.56
44	MP3B	Z	0	10.56
45	MP3B	Mx	.004	10.56
46	MP3B	X	18.908	46.56
47	MP3B	Z	0	46.56
48	MP3B	Mx	.004	46.56
49	MP3C	X	18.908	10.56
50	MP3C	Z	0	10.56
51	MP3C	Mx	.004	10.56
52	MP3C	X	18.908	46.56
53	MP3C	Z	0	46.56
54	MP3C	Mx	.004	46.56
55	MP4A	X	8.186	16.56
56	MP4A	Z	0	16.56
57	MP4A	Mx	-.003	16.56
58	MP4A	X	8.186	40.56
59	MP4A	Z	0	40.56
60	MP4A	Mx	-.003	40.56
61	MP4B	X	16.458	16.56
62	MP4B	Z	0	16.56
63	MP4B	Mx	.003	16.56
64	MP4B	X	16.458	40.56
65	MP4B	Z	0	40.56
66	MP4B	Mx	.003	40.56
67	MP4C	X	16.458	16.56
68	MP4C	Z	0	16.56
69	MP4C	Mx	.003	16.56
70	MP4C	X	16.458	40.56
71	MP4C	Z	0	40.56
72	MP4C	Mx	.003	40.56
73	MP3A	X	11.266	36
74	MP3A	Z	0	36
75	MP3A	Mx	.009	36
76	MP3B	X	14.964	36
77	MP3B	Z	0	36
78	MP3B	Mx	-.006	36
79	MP3C	X	14.964	36
80	MP3C	Z	0	36
81	MP3C	Mx	-.006	36
82	MP2A	X	9.393	48
83	MP2A	Z	0	48
84	MP2A	Mx	.006	48
85	MP2B	X	14.495	48
86	MP2B	Z	0	48
87	MP2B	Mx	-.005	48
88	MP2C	X	14.495	48
89	MP2C	Z	0	48
90	MP2C	Mx	-.005	48
91	OVP1	X	26.027	6
92	OVP1	Z	0	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	X	21.431	4.56
2	MP2A	Z	12.373	4.56
3	MP2A	Mx	-.002	4.56
4	MP2A	X	21.431	52.56
5	MP2A	Z	12.373	52.56
6	MP2A	Mx	-.002	52.56
7	MP2B	X	27.934	4.56
8	MP2B	Z	16.128	4.56
9	MP2B	Mx	-.022	4.56
10	MP2B	X	27.934	52.56
11	MP2B	Z	16.128	52.56
12	MP2B	Mx	-.022	52.56
13	MP2C	X	21.431	4.56
14	MP2C	Z	12.373	4.56
15	MP2C	Mx	.019	4.56
16	MP2C	X	21.431	52.56
17	MP2C	Z	12.373	52.56
18	MP2C	Mx	.019	52.56
19	MP2A	X	21.431	4.56
20	MP2A	Z	12.373	4.56
21	MP2A	Mx	-.019	4.56
22	MP2A	X	21.431	52.56
23	MP2A	Z	12.373	52.56
24	MP2A	Mx	-.019	52.56
25	MP2B	X	27.934	4.56
26	MP2B	Z	16.128	4.56
27	MP2B	Mx	.022	4.56
28	MP2B	X	27.934	52.56
29	MP2B	Z	16.128	52.56
30	MP2B	Mx	.022	52.56
31	MP2C	X	21.431	4.56
32	MP2C	Z	12.373	4.56
33	MP2C	Mx	.002	4.56
34	MP2C	X	21.431	52.56
35	MP2C	Z	12.373	52.56
36	MP2C	Mx	.002	52.56
37	MP3A	X	12.199	10.56
38	MP3A	Z	7.043	10.56
39	MP3A	Mx	-.005	10.56
40	MP3A	X	12.199	46.56
41	MP3A	Z	7.043	46.56
42	MP3A	Mx	-.005	46.56
43	MP3B	X	18.463	10.56
44	MP3B	Z	10.66	10.56
45	MP3B	Mx	0	10.56
46	MP3B	X	18.463	46.56
47	MP3B	Z	10.66	46.56
48	MP3B	Mx	0	46.56
49	MP3C	X	12.199	10.56
50	MP3C	Z	7.043	10.56
51	MP3C	Mx	.005	10.56
52	MP3C	X	12.199	46.56
53	MP3C	Z	7.043	46.56
54	MP3C	Mx	.005	46.56
55	MP4A	X	9.477	16.56
56	MP4A	Z	5.472	16.56
57	MP4A	Mx	-.004	16.56
58	MP4A	X	9.477	40.56
59	MP4A	Z	5.472	40.56
60	MP4A	Mx	-.004	40.56
61	MP4B	X	16.641	16.56
62	MP4B	Z	9.608	16.56
63	MP4B	Mx	0	16.56
64	MP4B	X	16.641	40.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
65	MP4B	Z	9.608	40.56
66	MP4B	Mx	0	40.56
67	MP4C	X	9.477	16.56
68	MP4C	Z	5.472	16.56
69	MP4C	Mx	.004	16.56
70	MP4C	X	9.477	40.56
71	MP4C	Z	5.472	40.56
72	MP4C	Mx	.004	40.56
73	MP3A	X	10.824	36
74	MP3A	Z	6.249	36
75	MP3A	Mx	.009	36
76	MP3B	X	14.026	36
77	MP3B	Z	8.098	36
78	MP3B	Mx	0	36
79	MP3C	X	10.824	36
80	MP3C	Z	6.249	36
81	MP3C	Mx	-.009	36
82	MP2A	X	9.608	48
83	MP2A	Z	5.547	48
84	MP2A	Mx	.006	48
85	MP2B	X	14.026	48
86	MP2B	Z	8.098	48
87	MP2B	Mx	0	48
88	MP2C	X	9.608	48
89	MP2C	Z	5.547	48
90	MP2C	Mx	-.006	48
91	OVP1	X	24.111	6
92	OVP1	Z	13.92	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	X	14.876	4.56
2	MP2A	Z	25.766	4.56
3	MP2A	Mx	.01	4.56
4	MP2A	X	14.876	52.56
5	MP2A	Z	25.766	52.56
6	MP2A	Mx	.01	52.56
7	MP2B	X	14.876	4.56
8	MP2B	Z	25.766	4.56
9	MP2B	Mx	-.025	4.56
10	MP2B	X	14.876	52.56
11	MP2B	Z	25.766	52.56
12	MP2B	Mx	-.025	52.56
13	MP2C	X	11.122	4.56
14	MP2C	Z	19.264	4.56
15	MP2C	Mx	.011	4.56
16	MP2C	X	11.122	52.56
17	MP2C	Z	19.264	52.56
18	MP2C	Mx	.011	52.56
19	MP2A	X	14.876	4.56
20	MP2A	Z	25.766	4.56
21	MP2A	Mx	-.025	4.56
22	MP2A	X	14.876	52.56
23	MP2A	Z	25.766	52.56
24	MP2A	Mx	-.025	52.56
25	MP2B	X	14.876	4.56
26	MP2B	Z	25.766	4.56
27	MP2B	Mx	.01	4.56
28	MP2B	X	14.876	52.56
29	MP2B	Z	25.766	52.56
30	MP2B	Mx	.01	52.56
31	MP2C	X	11.122	4.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
32	MP2C	Z	19.264	4.56
33	MP2C	Mx	.011	4.56
34	MP2C	X	11.122	52.56
35	MP2C	Z	19.264	52.56
36	MP2C	Mx	.011	52.56
37	MP3A	X	9.454	10.56
38	MP3A	Z	16.375	10.56
39	MP3A	Mx	-.004	10.56
40	MP3A	X	9.454	46.56
41	MP3A	Z	16.375	46.56
42	MP3A	Mx	-.004	46.56
43	MP3B	X	9.454	10.56
44	MP3B	Z	16.375	10.56
45	MP3B	Mx	-.004	10.56
46	MP3B	X	9.454	46.56
47	MP3B	Z	16.375	46.56
48	MP3B	Mx	-.004	46.56
49	MP3C	X	5.838	10.56
50	MP3C	Z	10.111	10.56
51	MP3C	Mx	.005	10.56
52	MP3C	X	5.838	46.56
53	MP3C	Z	10.111	46.56
54	MP3C	Mx	.005	46.56
55	MP4A	X	8.229	16.56
56	MP4A	Z	14.253	16.56
57	MP4A	Mx	-.003	16.56
58	MP4A	X	8.229	40.56
59	MP4A	Z	14.253	40.56
60	MP4A	Mx	-.003	40.56
61	MP4B	X	8.229	16.56
62	MP4B	Z	14.253	16.56
63	MP4B	Mx	-.003	16.56
64	MP4B	X	8.229	40.56
65	MP4B	Z	14.253	40.56
66	MP4B	Mx	-.003	40.56
67	MP4C	X	4.093	16.56
68	MP4C	Z	7.089	16.56
69	MP4C	Mx	.003	16.56
70	MP4C	X	4.093	40.56
71	MP4C	Z	7.089	40.56
72	MP4C	Mx	.003	40.56
73	MP3A	X	7.482	36
74	MP3A	Z	12.959	36
75	MP3A	Mx	.006	36
76	MP3B	X	7.482	36
77	MP3B	Z	12.959	36
78	MP3B	Mx	.006	36
79	MP3C	X	5.633	36
80	MP3C	Z	9.757	36
81	MP3C	Mx	-.009	36
82	MP2A	X	7.248	48
83	MP2A	Z	12.553	48
84	MP2A	Mx	.005	48
85	MP2B	X	7.248	48
86	MP2B	Z	12.553	48
87	MP2B	Mx	.005	48
88	MP2C	X	4.697	48
89	MP2C	Z	8.135	48
90	MP2C	Mx	-.006	48
91	OVP1	X	15.734	6
92	OVP1	Z	27.253	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	0	4.56
2	MP2A	Z	32.255	4.56
3	MP2A	Mx	.022	4.56
4	MP2A	X	0	52.56
5	MP2A	Z	32.255	52.56
6	MP2A	Mx	.022	52.56
7	MP2B	X	0	4.56
8	MP2B	Z	24.747	4.56
9	MP2B	Mx	-.019	4.56
10	MP2B	X	0	52.56
11	MP2B	Z	24.747	52.56
12	MP2B	Mx	-.019	52.56
13	MP2C	X	0	4.56
14	MP2C	Z	24.747	4.56
15	MP2C	Mx	.002	4.56
16	MP2C	X	0	52.56
17	MP2C	Z	24.747	52.56
18	MP2C	Mx	.002	52.56
19	MP2A	X	0	4.56
20	MP2A	Z	32.255	4.56
21	MP2A	Mx	-.022	4.56
22	MP2A	X	0	52.56
23	MP2A	Z	32.255	52.56
24	MP2A	Mx	-.022	52.56
25	MP2B	X	0	4.56
26	MP2B	Z	24.747	4.56
27	MP2B	Mx	-.002	4.56
28	MP2B	X	0	52.56
29	MP2B	Z	24.747	52.56
30	MP2B	Mx	-.002	52.56
31	MP2C	X	0	4.56
32	MP2C	Z	24.747	4.56
33	MP2C	Mx	.019	4.56
34	MP2C	X	0	52.56
35	MP2C	Z	24.747	52.56
36	MP2C	Mx	.019	52.56
37	MP3A	X	0	10.56
38	MP3A	Z	21.319	10.56
39	MP3A	Mx	0	10.56
40	MP3A	X	0	46.56
41	MP3A	Z	21.319	46.56
42	MP3A	Mx	0	46.56
43	MP3B	X	0	10.56
44	MP3B	Z	14.086	10.56
45	MP3B	Mx	-.005	10.56
46	MP3B	X	0	46.56
47	MP3B	Z	14.086	46.56
48	MP3B	Mx	-.005	46.56
49	MP3C	X	0	10.56
50	MP3C	Z	14.086	10.56
51	MP3C	Mx	.005	10.56
52	MP3C	X	0	46.56
53	MP3C	Z	14.086	46.56
54	MP3C	Mx	.005	46.56
55	MP4A	X	0	16.56
56	MP4A	Z	19.215	16.56
57	MP4A	Mx	0	16.56
58	MP4A	X	0	40.56
59	MP4A	Z	19.215	40.56
60	MP4A	Mx	0	40.56
61	MP4B	X	0	16.56
62	MP4B	Z	10.943	16.56
63	MP4B	Mx	-.004	16.56
64	MP4B	X	0	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	10.943	40.56
66	MP4B	Mx	-.004	40.56
67	MP4C	X	0	16.56
68	MP4C	Z	10.943	16.56
69	MP4C	Mx	.004	16.56
70	MP4C	X	0	40.56
71	MP4C	Z	10.943	40.56
72	MP4C	Mx	.004	40.56
73	MP3A	X	0	36
74	MP3A	Z	16.196	36
75	MP3A	Mx	0	36
76	MP3B	X	0	36
77	MP3B	Z	12.499	36
78	MP3B	Mx	.009	36
79	MP3C	X	0	36
80	MP3C	Z	12.499	36
81	MP3C	Mx	-.009	36
82	MP2A	X	0	48
83	MP2A	Z	16.196	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	11.094	48
87	MP2B	Mx	.006	48
88	MP2C	X	0	48
89	MP2C	Z	11.094	48
90	MP2C	Mx	-.006	48
91	OVP1	X	0	6
92	OVP1	Z	33.282	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-14.876	4.56
2	MP2A	Z	25.766	4.56
3	MP2A	Mx	.025	4.56
4	MP2A	X	-14.876	52.56
5	MP2A	Z	25.766	52.56
6	MP2A	Mx	.025	52.56
7	MP2B	X	-11.122	4.56
8	MP2B	Z	19.264	4.56
9	MP2B	Mx	-.011	4.56
10	MP2B	X	-11.122	52.56
11	MP2B	Z	19.264	52.56
12	MP2B	Mx	-.011	52.56
13	MP2C	X	-14.876	4.56
14	MP2C	Z	25.766	4.56
15	MP2C	Mx	-.01	4.56
16	MP2C	X	-14.876	52.56
17	MP2C	Z	25.766	52.56
18	MP2C	Mx	-.01	52.56
19	MP2A	X	-14.876	4.56
20	MP2A	Z	25.766	4.56
21	MP2A	Mx	-.01	4.56
22	MP2A	X	-14.876	52.56
23	MP2A	Z	25.766	52.56
24	MP2A	Mx	-.01	52.56
25	MP2B	X	-11.122	4.56
26	MP2B	Z	19.264	4.56
27	MP2B	Mx	-.011	4.56
28	MP2B	X	-11.122	52.56
29	MP2B	Z	19.264	52.56
30	MP2B	Mx	-.011	52.56
31	MP2C	X	-14.876	4.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
32	MP2C	Z	25.766	4.56
33	MP2C	Mx	.025	4.56
34	MP2C	X	-14.876	52.56
35	MP2C	Z	25.766	52.56
36	MP2C	Mx	.025	52.56
37	MP3A	X	-9.454	10.56
38	MP3A	Z	16.375	10.56
39	MP3A	Mx	.004	10.56
40	MP3A	X	-9.454	46.56
41	MP3A	Z	16.375	46.56
42	MP3A	Mx	.004	46.56
43	MP3B	X	-5.838	10.56
44	MP3B	Z	10.111	10.56
45	MP3B	Mx	-.005	10.56
46	MP3B	X	-5.838	46.56
47	MP3B	Z	10.111	46.56
48	MP3B	Mx	-.005	46.56
49	MP3C	X	-9.454	10.56
50	MP3C	Z	16.375	10.56
51	MP3C	Mx	.004	10.56
52	MP3C	X	-9.454	46.56
53	MP3C	Z	16.375	46.56
54	MP3C	Mx	.004	46.56
55	MP4A	X	-8.229	16.56
56	MP4A	Z	14.253	16.56
57	MP4A	Mx	.003	16.56
58	MP4A	X	-8.229	40.56
59	MP4A	Z	14.253	40.56
60	MP4A	Mx	.003	40.56
61	MP4B	X	-4.093	16.56
62	MP4B	Z	7.089	16.56
63	MP4B	Mx	-.003	16.56
64	MP4B	X	-4.093	40.56
65	MP4B	Z	7.089	40.56
66	MP4B	Mx	-.003	40.56
67	MP4C	X	-8.229	16.56
68	MP4C	Z	14.253	16.56
69	MP4C	Mx	.003	16.56
70	MP4C	X	-8.229	40.56
71	MP4C	Z	14.253	40.56
72	MP4C	Mx	.003	40.56
73	MP3A	X	-7.482	36
74	MP3A	Z	12.959	36
75	MP3A	Mx	-.006	36
76	MP3B	X	-5.633	36
77	MP3B	Z	9.757	36
78	MP3B	Mx	.009	36
79	MP3C	X	-7.482	36
80	MP3C	Z	12.959	36
81	MP3C	Mx	-.006	36
82	MP2A	X	-7.248	48
83	MP2A	Z	12.553	48
84	MP2A	Mx	-.005	48
85	MP2B	X	-4.697	48
86	MP2B	Z	8.135	48
87	MP2B	Mx	.006	48
88	MP2C	X	-7.248	48
89	MP2C	Z	12.553	48
90	MP2C	Mx	-.005	48
91	OVP1	X	-15.734	6
92	OVP1	Z	27.253	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	X	-21.431	4.56
2	MP2A	Z	12.373	4.56
3	MP2A	Mx	.019	4.56
4	MP2A	X	-21.431	52.56
5	MP2A	Z	12.373	52.56
6	MP2A	Mx	.019	52.56
7	MP2B	X	-21.431	4.56
8	MP2B	Z	12.373	4.56
9	MP2B	Mx	-.002	4.56
10	MP2B	X	-21.431	52.56
11	MP2B	Z	12.373	52.56
12	MP2B	Mx	-.002	52.56
13	MP2C	X	-27.934	4.56
14	MP2C	Z	16.128	4.56
15	MP2C	Mx	-.022	4.56
16	MP2C	X	-27.934	52.56
17	MP2C	Z	16.128	52.56
18	MP2C	Mx	-.022	52.56
19	MP2A	X	-21.431	4.56
20	MP2A	Z	12.373	4.56
21	MP2A	Mx	.002	4.56
22	MP2A	X	-21.431	52.56
23	MP2A	Z	12.373	52.56
24	MP2A	Mx	.002	52.56
25	MP2B	X	-21.431	4.56
26	MP2B	Z	12.373	4.56
27	MP2B	Mx	-.019	4.56
28	MP2B	X	-21.431	52.56
29	MP2B	Z	12.373	52.56
30	MP2B	Mx	-.019	52.56
31	MP2C	X	-27.934	4.56
32	MP2C	Z	16.128	4.56
33	MP2C	Mx	.022	4.56
34	MP2C	X	-27.934	52.56
35	MP2C	Z	16.128	52.56
36	MP2C	Mx	.022	52.56
37	MP3A	X	-12.199	10.56
38	MP3A	Z	7.043	10.56
39	MP3A	Mx	.005	10.56
40	MP3A	X	-12.199	46.56
41	MP3A	Z	7.043	46.56
42	MP3A	Mx	.005	46.56
43	MP3B	X	-12.199	10.56
44	MP3B	Z	7.043	10.56
45	MP3B	Mx	-.005	10.56
46	MP3B	X	-12.199	46.56
47	MP3B	Z	7.043	46.56
48	MP3B	Mx	-.005	46.56
49	MP3C	X	-18.463	10.56
50	MP3C	Z	10.66	10.56
51	MP3C	Mx	0	10.56
52	MP3C	X	-18.463	46.56
53	MP3C	Z	10.66	46.56
54	MP3C	Mx	0	46.56
55	MP4A	X	-9.477	16.56
56	MP4A	Z	5.472	16.56
57	MP4A	Mx	.004	16.56
58	MP4A	X	-9.477	40.56
59	MP4A	Z	5.472	40.56
60	MP4A	Mx	.004	40.56
61	MP4B	X	-9.477	16.56
62	MP4B	Z	5.472	16.56
63	MP4B	Mx	-.004	16.56
64	MP4B	X	-9.477	40.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
65	MP4B	Z	5.472	40.56
66	MP4B	Mx	-.004	40.56
67	MP4C	X	-16.641	16.56
68	MP4C	Z	9.608	16.56
69	MP4C	Mx	0	16.56
70	MP4C	X	-16.641	40.56
71	MP4C	Z	9.608	40.56
72	MP4C	Mx	0	40.56
73	MP3A	X	-10.824	36
74	MP3A	Z	6.249	36
75	MP3A	Mx	-.009	36
76	MP3B	X	-10.824	36
77	MP3B	Z	6.249	36
78	MP3B	Mx	.009	36
79	MP3C	X	-14.026	36
80	MP3C	Z	8.098	36
81	MP3C	Mx	0	36
82	MP2A	X	-9.608	48
83	MP2A	Z	5.547	48
84	MP2A	Mx	-.006	48
85	MP2B	X	-9.608	48
86	MP2B	Z	5.547	48
87	MP2B	Mx	.006	48
88	MP2C	X	-14.026	48
89	MP2C	Z	8.098	48
90	MP2C	Mx	0	48
91	OVP1	X	-24.111	6
92	OVP1	Z	13.92	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	-22.244	4.56
2	MP2A	Z	0	4.56
3	MP2A	Mx	.011	4.56
4	MP2A	X	-22.244	52.56
5	MP2A	Z	0	52.56
6	MP2A	Mx	.011	52.56
7	MP2B	X	-29.752	4.56
8	MP2B	Z	0	4.56
9	MP2B	Mx	.01	4.56
10	MP2B	X	-29.752	52.56
11	MP2B	Z	0	52.56
12	MP2B	Mx	.01	52.56
13	MP2C	X	-29.752	4.56
14	MP2C	Z	0	4.56
15	MP2C	Mx	-.025	4.56
16	MP2C	X	-29.752	52.56
17	MP2C	Z	0	52.56
18	MP2C	Mx	-.025	52.56
19	MP2A	X	-22.244	4.56
20	MP2A	Z	0	4.56
21	MP2A	Mx	.011	4.56
22	MP2A	X	-22.244	52.56
23	MP2A	Z	0	52.56
24	MP2A	Mx	.011	52.56
25	MP2B	X	-29.752	4.56
26	MP2B	Z	0	4.56
27	MP2B	Mx	-.025	4.56
28	MP2B	X	-29.752	52.56
29	MP2B	Z	0	52.56
30	MP2B	Mx	-.025	52.56
31	MP2C	X	-29.752	4.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
32	MP2C	Z	0	4.56
33	MP2C	Mx	.01	4.56
34	MP2C	X	-29.752	52.56
35	MP2C	Z	0	52.56
36	MP2C	Mx	.01	52.56
37	MP3A	X	-11.675	10.56
38	MP3A	Z	0	10.56
39	MP3A	Mx	.005	10.56
40	MP3A	X	-11.675	46.56
41	MP3A	Z	0	46.56
42	MP3A	Mx	.005	46.56
43	MP3B	X	-18.908	10.56
44	MP3B	Z	0	10.56
45	MP3B	Mx	-.004	10.56
46	MP3B	X	-18.908	46.56
47	MP3B	Z	0	46.56
48	MP3B	Mx	-.004	46.56
49	MP3C	X	-18.908	10.56
50	MP3C	Z	0	10.56
51	MP3C	Mx	-.004	10.56
52	MP3C	X	-18.908	46.56
53	MP3C	Z	0	46.56
54	MP3C	Mx	-.004	46.56
55	MP4A	X	-8.186	16.56
56	MP4A	Z	0	16.56
57	MP4A	Mx	.003	16.56
58	MP4A	X	-8.186	40.56
59	MP4A	Z	0	40.56
60	MP4A	Mx	.003	40.56
61	MP4B	X	-16.458	16.56
62	MP4B	Z	0	16.56
63	MP4B	Mx	-.003	16.56
64	MP4B	X	-16.458	40.56
65	MP4B	Z	0	40.56
66	MP4B	Mx	-.003	40.56
67	MP4C	X	-16.458	16.56
68	MP4C	Z	0	16.56
69	MP4C	Mx	-.003	16.56
70	MP4C	X	-16.458	40.56
71	MP4C	Z	0	40.56
72	MP4C	Mx	-.003	40.56
73	MP3A	X	-11.266	36
74	MP3A	Z	0	36
75	MP3A	Mx	-.009	36
76	MP3B	X	-14.964	36
77	MP3B	Z	0	36
78	MP3B	Mx	.006	36
79	MP3C	X	-14.964	36
80	MP3C	Z	0	36
81	MP3C	Mx	.006	36
82	MP2A	X	-9.393	48
83	MP2A	Z	0	48
84	MP2A	Mx	-.006	48
85	MP2B	X	-14.495	48
86	MP2B	Z	0	48
87	MP2B	Mx	.005	48
88	MP2C	X	-14.495	48
89	MP2C	Z	0	48
90	MP2C	Mx	.005	48
91	OVP1	X	-26.027	6
92	OVP1	Z	0	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	X	-21.431	4.56
2	MP2A	Z	-12.373	4.56
3	MP2A	Mx	.002	4.56
4	MP2A	X	-21.431	52.56
5	MP2A	Z	-12.373	52.56
6	MP2A	Mx	.002	52.56
7	MP2B	X	-27.934	4.56
8	MP2B	Z	-16.128	4.56
9	MP2B	Mx	.022	4.56
10	MP2B	X	-27.934	52.56
11	MP2B	Z	-16.128	52.56
12	MP2B	Mx	.022	52.56
13	MP2C	X	-21.431	4.56
14	MP2C	Z	-12.373	4.56
15	MP2C	Mx	-.019	4.56
16	MP2C	X	-21.431	52.56
17	MP2C	Z	-12.373	52.56
18	MP2C	Mx	-.019	52.56
19	MP2A	X	-21.431	4.56
20	MP2A	Z	-12.373	4.56
21	MP2A	Mx	.019	4.56
22	MP2A	X	-21.431	52.56
23	MP2A	Z	-12.373	52.56
24	MP2A	Mx	.019	52.56
25	MP2B	X	-27.934	4.56
26	MP2B	Z	-16.128	4.56
27	MP2B	Mx	-.022	4.56
28	MP2B	X	-27.934	52.56
29	MP2B	Z	-16.128	52.56
30	MP2B	Mx	-.022	52.56
31	MP2C	X	-21.431	4.56
32	MP2C	Z	-12.373	4.56
33	MP2C	Mx	-.002	4.56
34	MP2C	X	-21.431	52.56
35	MP2C	Z	-12.373	52.56
36	MP2C	Mx	-.002	52.56
37	MP3A	X	-12.199	10.56
38	MP3A	Z	-7.043	10.56
39	MP3A	Mx	.005	10.56
40	MP3A	X	-12.199	46.56
41	MP3A	Z	-7.043	46.56
42	MP3A	Mx	.005	46.56
43	MP3B	X	-18.463	10.56
44	MP3B	Z	-10.66	10.56
45	MP3B	Mx	0	10.56
46	MP3B	X	-18.463	46.56
47	MP3B	Z	-10.66	46.56
48	MP3B	Mx	0	46.56
49	MP3C	X	-12.199	10.56
50	MP3C	Z	-7.043	10.56
51	MP3C	Mx	-.005	10.56
52	MP3C	X	-12.199	46.56
53	MP3C	Z	-7.043	46.56
54	MP3C	Mx	-.005	46.56
55	MP4A	X	-9.477	16.56
56	MP4A	Z	-5.472	16.56
57	MP4A	Mx	.004	16.56
58	MP4A	X	-9.477	40.56
59	MP4A	Z	-5.472	40.56
60	MP4A	Mx	.004	40.56
61	MP4B	X	-16.641	16.56
62	MP4B	Z	-9.608	16.56
63	MP4B	Mx	0	16.56
64	MP4B	X	-16.641	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	-9.608	40.56
66	MP4B	Mx	0	40.56
67	MP4C	X	-9.477	16.56
68	MP4C	Z	-5.472	16.56
69	MP4C	Mx	-.004	16.56
70	MP4C	X	-9.477	40.56
71	MP4C	Z	-5.472	40.56
72	MP4C	Mx	-.004	40.56
73	MP3A	X	-10.824	36
74	MP3A	Z	-6.249	36
75	MP3A	Mx	-.009	36
76	MP3B	X	-14.026	36
77	MP3B	Z	-8.098	36
78	MP3B	Mx	0	36
79	MP3C	X	-10.824	36
80	MP3C	Z	-6.249	36
81	MP3C	Mx	.009	36
82	MP2A	X	-9.608	48
83	MP2A	Z	-5.547	48
84	MP2A	Mx	-.006	48
85	MP2B	X	-14.026	48
86	MP2B	Z	-8.098	48
87	MP2B	Mx	0	48
88	MP2C	X	-9.608	48
89	MP2C	Z	-5.547	48
90	MP2C	Mx	.006	48
91	OVP1	X	-24.111	6
92	OVP1	Z	-13.92	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-14.876	4.56
2	MP2A	Z	-25.766	4.56
3	MP2A	Mx	-.01	4.56
4	MP2A	X	-14.876	52.56
5	MP2A	Z	-25.766	52.56
6	MP2A	Mx	-.01	52.56
7	MP2B	X	-14.876	4.56
8	MP2B	Z	-25.766	4.56
9	MP2B	Mx	.025	4.56
10	MP2B	X	-14.876	52.56
11	MP2B	Z	-25.766	52.56
12	MP2B	Mx	.025	52.56
13	MP2C	X	-11.122	4.56
14	MP2C	Z	-19.264	4.56
15	MP2C	Mx	-.011	4.56
16	MP2C	X	-11.122	52.56
17	MP2C	Z	-19.264	52.56
18	MP2C	Mx	-.011	52.56
19	MP2A	X	-14.876	4.56
20	MP2A	Z	-25.766	4.56
21	MP2A	Mx	.025	4.56
22	MP2A	X	-14.876	52.56
23	MP2A	Z	-25.766	52.56
24	MP2A	Mx	.025	52.56
25	MP2B	X	-14.876	4.56
26	MP2B	Z	-25.766	4.56
27	MP2B	Mx	-.01	4.56
28	MP2B	X	-14.876	52.56
29	MP2B	Z	-25.766	52.56
30	MP2B	Mx	-.01	52.56
31	MP2C	X	-11.122	4.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
32	MP2C	Z	-19.264	4.56
33	MP2C	Mx	-.011	4.56
34	MP2C	X	-11.122	52.56
35	MP2C	Z	-19.264	52.56
36	MP2C	Mx	-.011	52.56
37	MP3A	X	-9.454	10.56
38	MP3A	Z	-16.375	10.56
39	MP3A	Mx	.004	10.56
40	MP3A	X	-9.454	46.56
41	MP3A	Z	-16.375	46.56
42	MP3A	Mx	.004	46.56
43	MP3B	X	-9.454	10.56
44	MP3B	Z	-16.375	10.56
45	MP3B	Mx	.004	10.56
46	MP3B	X	-9.454	46.56
47	MP3B	Z	-16.375	46.56
48	MP3B	Mx	.004	46.56
49	MP3C	X	-5.838	10.56
50	MP3C	Z	-10.111	10.56
51	MP3C	Mx	-.005	10.56
52	MP3C	X	-5.838	46.56
53	MP3C	Z	-10.111	46.56
54	MP3C	Mx	-.005	46.56
55	MP4A	X	-8.229	16.56
56	MP4A	Z	-14.253	16.56
57	MP4A	Mx	.003	16.56
58	MP4A	X	-8.229	40.56
59	MP4A	Z	-14.253	40.56
60	MP4A	Mx	.003	40.56
61	MP4B	X	-8.229	16.56
62	MP4B	Z	-14.253	16.56
63	MP4B	Mx	.003	16.56
64	MP4B	X	-8.229	40.56
65	MP4B	Z	-14.253	40.56
66	MP4B	Mx	.003	40.56
67	MP4C	X	-4.093	16.56
68	MP4C	Z	-7.089	16.56
69	MP4C	Mx	-.003	16.56
70	MP4C	X	-4.093	40.56
71	MP4C	Z	-7.089	40.56
72	MP4C	Mx	-.003	40.56
73	MP3A	X	-7.482	36
74	MP3A	Z	-12.959	36
75	MP3A	Mx	-.006	36
76	MP3B	X	-7.482	36
77	MP3B	Z	-12.959	36
78	MP3B	Mx	-.006	36
79	MP3C	X	-5.633	36
80	MP3C	Z	-9.757	36
81	MP3C	Mx	.009	36
82	MP2A	X	-7.248	48
83	MP2A	Z	-12.553	48
84	MP2A	Mx	-.005	48
85	MP2B	X	-7.248	48
86	MP2B	Z	-12.553	48
87	MP2B	Mx	-.005	48
88	MP2C	X	-4.697	48
89	MP2C	Z	-8.135	48
90	MP2C	Mx	.006	48
91	OVP1	X	-15.734	6
92	OVP1	Z	-27.253	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	0	4.56
2	MP2A	Z	-10.525	4.56
3	MP2A	Mx	-.007	4.56
4	MP2A	X	0	52.56
5	MP2A	Z	-10.525	52.56
6	MP2A	Mx	-.007	52.56
7	MP2B	X	0	4.56
8	MP2B	Z	-7.85	4.56
9	MP2B	Mx	.006	4.56
10	MP2B	X	0	52.56
11	MP2B	Z	-7.85	52.56
12	MP2B	Mx	.006	52.56
13	MP2C	X	0	4.56
14	MP2C	Z	-7.85	4.56
15	MP2C	Mx	-.000782	4.56
16	MP2C	X	0	52.56
17	MP2C	Z	-7.85	52.56
18	MP2C	Mx	-.000782	52.56
19	MP2A	X	0	4.56
20	MP2A	Z	-10.525	4.56
21	MP2A	Mx	.007	4.56
22	MP2A	X	0	52.56
23	MP2A	Z	-10.525	52.56
24	MP2A	Mx	.007	52.56
25	MP2B	X	0	4.56
26	MP2B	Z	-7.85	4.56
27	MP2B	Mx	.000782	4.56
28	MP2B	X	0	52.56
29	MP2B	Z	-7.85	52.56
30	MP2B	Mx	.000782	52.56
31	MP2C	X	0	4.56
32	MP2C	Z	-7.85	4.56
33	MP2C	Mx	-.006	4.56
34	MP2C	X	0	52.56
35	MP2C	Z	-7.85	52.56
36	MP2C	Mx	-.006	52.56
37	MP3A	X	0	10.56
38	MP3A	Z	-6.839	10.56
39	MP3A	Mx	0	10.56
40	MP3A	X	0	46.56
41	MP3A	Z	-6.839	46.56
42	MP3A	Mx	0	46.56
43	MP3B	X	0	10.56
44	MP3B	Z	-4.32	10.56
45	MP3B	Mx	.002	10.56
46	MP3B	X	0	46.56
47	MP3B	Z	-4.32	46.56
48	MP3B	Mx	.002	46.56
49	MP3C	X	0	10.56
50	MP3C	Z	-4.32	10.56
51	MP3C	Mx	-.002	10.56
52	MP3C	X	0	46.56
53	MP3C	Z	-4.32	46.56
54	MP3C	Mx	-.002	46.56
55	MP4A	X	0	16.56
56	MP4A	Z	-6.122	16.56
57	MP4A	Mx	0	16.56
58	MP4A	X	0	40.56
59	MP4A	Z	-6.122	40.56
60	MP4A	Mx	0	40.56
61	MP4B	X	0	16.56
62	MP4B	Z	-3.328	16.56
63	MP4B	Mx	.001	16.56
64	MP4B	X	0	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	-3.328	40.56
66	MP4B	Mx	.001	40.56
67	MP4C	X	0	16.56
68	MP4C	Z	-3.328	16.56
69	MP4C	Mx	-.001	16.56
70	MP4C	X	0	40.56
71	MP4C	Z	-3.328	40.56
72	MP4C	Mx	-.001	40.56
73	MP3A	X	0	36
74	MP3A	Z	-4.872	36
75	MP3A	Mx	0	36
76	MP3B	X	0	36
77	MP3B	Z	-3.66	36
78	MP3B	Mx	-.003	36
79	MP3C	X	0	36
80	MP3C	Z	-3.66	36
81	MP3C	Mx	.003	36
82	MP2A	X	0	48
83	MP2A	Z	-4.872	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	-3.196	48
87	MP2B	Mx	-.002	48
88	MP2C	X	0	48
89	MP2C	Z	-3.196	48
90	MP2C	Mx	.002	48
91	OVP1	X	0	6
92	OVP1	Z	-10.577	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	4.817	4.56
2	MP2A	Z	-8.343	4.56
3	MP2A	Mx	-.008	4.56
4	MP2A	X	4.817	52.56
5	MP2A	Z	-8.343	52.56
6	MP2A	Mx	-.008	52.56
7	MP2B	X	3.479	4.56
8	MP2B	Z	-6.026	4.56
9	MP2B	Mx	.003	4.56
10	MP2B	X	3.479	52.56
11	MP2B	Z	-6.026	52.56
12	MP2B	Mx	.003	52.56
13	MP2C	X	4.817	4.56
14	MP2C	Z	-8.343	4.56
15	MP2C	Mx	.003	4.56
16	MP2C	X	4.817	52.56
17	MP2C	Z	-8.343	52.56
18	MP2C	Mx	.003	52.56
19	MP2A	X	4.817	4.56
20	MP2A	Z	-8.343	4.56
21	MP2A	Mx	.003	4.56
22	MP2A	X	4.817	52.56
23	MP2A	Z	-8.343	52.56
24	MP2A	Mx	.003	52.56
25	MP2B	X	3.479	4.56
26	MP2B	Z	-6.026	4.56
27	MP2B	Mx	.003	4.56
28	MP2B	X	3.479	52.56
29	MP2B	Z	-6.026	52.56
30	MP2B	Mx	.003	52.56
31	MP2C	X	4.817	4.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
32	MP2C	Z	-8.343	4.56
33	MP2C	Mx	-.008	4.56
34	MP2C	X	4.817	52.56
35	MP2C	Z	-8.343	52.56
36	MP2C	Mx	-.008	52.56
37	MP3A	X	3	10.56
38	MP3A	Z	-5.196	10.56
39	MP3A	Mx	-.001	10.56
40	MP3A	X	3	46.56
41	MP3A	Z	-5.196	46.56
42	MP3A	Mx	-.001	46.56
43	MP3B	X	1.74	10.56
44	MP3B	Z	-3.015	10.56
45	MP3B	Mx	.001	10.56
46	MP3B	X	1.74	46.56
47	MP3B	Z	-3.015	46.56
48	MP3B	Mx	.001	46.56
49	MP3C	X	3	10.56
50	MP3C	Z	-5.196	10.56
51	MP3C	Mx	-.001	10.56
52	MP3C	X	3	46.56
53	MP3C	Z	-5.196	46.56
54	MP3C	Mx	-.001	46.56
55	MP4A	X	2.596	16.56
56	MP4A	Z	-4.496	16.56
57	MP4A	Mx	-.001	16.56
58	MP4A	X	2.596	40.56
59	MP4A	Z	-4.496	40.56
60	MP4A	Mx	-.001	40.56
61	MP4B	X	1.198	16.56
62	MP4B	Z	-2.076	16.56
63	MP4B	Mx	.000999	16.56
64	MP4B	X	1.198	40.56
65	MP4B	Z	-2.076	40.56
66	MP4B	Mx	.000999	40.56
67	MP4C	X	2.596	16.56
68	MP4C	Z	-4.496	16.56
69	MP4C	Mx	-.001	16.56
70	MP4C	X	2.596	40.56
71	MP4C	Z	-4.496	40.56
72	MP4C	Mx	-.001	40.56
73	MP3A	X	2.234	36
74	MP3A	Z	-3.869	36
75	MP3A	Mx	.002	36
76	MP3B	X	1.628	36
77	MP3B	Z	-2.82	36
78	MP3B	Mx	-.003	36
79	MP3C	X	2.234	36
80	MP3C	Z	-3.869	36
81	MP3C	Mx	.002	36
82	MP2A	X	2.157	48
83	MP2A	Z	-3.736	48
84	MP2A	Mx	.001	48
85	MP2B	X	1.319	48
86	MP2B	Z	-2.284	48
87	MP2B	Mx	-.002	48
88	MP2C	X	2.157	48
89	MP2C	Z	-3.736	48
90	MP2C	Mx	.001	48
91	OVP1	X	4.975	6
92	OVP1	Z	-8.617	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	6.798	4.56
2	MP2A	Z	-3.925	4.56
3	MP2A	Mx	-.006	4.56
4	MP2A	X	6.798	52.56
5	MP2A	Z	-3.925	52.56
6	MP2A	Mx	-.006	52.56
7	MP2B	X	6.798	4.56
8	MP2B	Z	-3.925	4.56
9	MP2B	Mx	.000783	4.56
10	MP2B	X	6.798	52.56
11	MP2B	Z	-3.925	52.56
12	MP2B	Mx	.000783	52.56
13	MP2C	X	9.115	4.56
14	MP2C	Z	-5.263	4.56
15	MP2C	Mx	.007	4.56
16	MP2C	X	9.115	52.56
17	MP2C	Z	-5.263	52.56
18	MP2C	Mx	.007	52.56
19	MP2A	X	6.798	4.56
20	MP2A	Z	-3.925	4.56
21	MP2A	Mx	-.000782	4.56
22	MP2A	X	6.798	52.56
23	MP2A	Z	-3.925	52.56
24	MP2A	Mx	-.000782	52.56
25	MP2B	X	6.798	4.56
26	MP2B	Z	-3.925	4.56
27	MP2B	Mx	.006	4.56
28	MP2B	X	6.798	52.56
29	MP2B	Z	-3.925	52.56
30	MP2B	Mx	.006	52.56
31	MP2C	X	9.115	4.56
32	MP2C	Z	-5.263	4.56
33	MP2C	Mx	-.007	4.56
34	MP2C	X	9.115	52.56
35	MP2C	Z	-5.263	52.56
36	MP2C	Mx	-.007	52.56
37	MP3A	X	3.742	10.56
38	MP3A	Z	-2.16	10.56
39	MP3A	Mx	-.002	10.56
40	MP3A	X	3.742	46.56
41	MP3A	Z	-2.16	46.56
42	MP3A	Mx	-.002	46.56
43	MP3B	X	3.742	10.56
44	MP3B	Z	-2.16	10.56
45	MP3B	Mx	.002	10.56
46	MP3B	X	3.742	46.56
47	MP3B	Z	-2.16	46.56
48	MP3B	Mx	.002	46.56
49	MP3C	X	5.923	10.56
50	MP3C	Z	-3.419	10.56
51	MP3C	Mx	0	10.56
52	MP3C	X	5.923	46.56
53	MP3C	Z	-3.419	46.56
54	MP3C	Mx	0	46.56
55	MP4A	X	2.882	16.56
56	MP4A	Z	-1.664	16.56
57	MP4A	Mx	-.001	16.56
58	MP4A	X	2.882	40.56
59	MP4A	Z	-1.664	40.56
60	MP4A	Mx	-.001	40.56
61	MP4B	X	2.882	16.56
62	MP4B	Z	-1.664	16.56
63	MP4B	Mx	.001	16.56
64	MP4B	X	2.882	40.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
65	MP4B	Z	-1.664	40.56
66	MP4B	Mx	.001	40.56
67	MP4C	X	5.302	16.56
68	MP4C	Z	-3.061	16.56
69	MP4C	Mx	0	16.56
70	MP4C	X	5.302	40.56
71	MP4C	Z	-3.061	40.56
72	MP4C	Mx	0	40.56
73	MP3A	X	3.17	36
74	MP3A	Z	-1.83	36
75	MP3A	Mx	.003	36
76	MP3B	X	3.17	36
77	MP3B	Z	-1.83	36
78	MP3B	Mx	-.003	36
79	MP3C	X	4.219	36
80	MP3C	Z	-2.436	36
81	MP3C	Mx	0	36
82	MP2A	X	2.768	48
83	MP2A	Z	-1.598	48
84	MP2A	Mx	.002	48
85	MP2B	X	2.768	48
86	MP2B	Z	-1.598	48
87	MP2B	Mx	-.002	48
88	MP2C	X	4.219	48
89	MP2C	Z	-2.436	48
90	MP2C	Mx	0	48
91	OVP1	X	7.532	6
92	OVP1	Z	-4.348	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
1	MP2A	X	6.958	4.56
2	MP2A	Z	0	4.56
3	MP2A	Mx	-.003	4.56
4	MP2A	X	6.958	52.56
5	MP2A	Z	0	52.56
6	MP2A	Mx	-.003	52.56
7	MP2B	X	9.634	4.56
8	MP2B	Z	0	4.56
9	MP2B	Mx	-.003	4.56
10	MP2B	X	9.634	52.56
11	MP2B	Z	0	52.56
12	MP2B	Mx	-.003	52.56
13	MP2C	X	9.634	4.56
14	MP2C	Z	0	4.56
15	MP2C	Mx	.008	4.56
16	MP2C	X	9.634	52.56
17	MP2C	Z	0	52.56
18	MP2C	Mx	.008	52.56
19	MP2A	X	6.958	4.56
20	MP2A	Z	0	4.56
21	MP2A	Mx	-.003	4.56
22	MP2A	X	6.958	52.56
23	MP2A	Z	0	52.56
24	MP2A	Mx	-.003	52.56
25	MP2B	X	9.634	4.56
26	MP2B	Z	0	4.56
27	MP2B	Mx	.008	4.56
28	MP2B	X	9.634	52.56
29	MP2B	Z	0	52.56
30	MP2B	Mx	.008	52.56
31	MP2C	X	9.634	4.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
32	MP2C	Z	0	4.56
33	MP2C	Mx	-.003	4.56
34	MP2C	X	9.634	52.56
35	MP2C	Z	0	52.56
36	MP2C	Mx	-.003	52.56
37	MP3A	X	3.481	10.56
38	MP3A	Z	0	10.56
39	MP3A	Mx	-.001	10.56
40	MP3A	X	3.481	46.56
41	MP3A	Z	0	46.56
42	MP3A	Mx	-.001	46.56
43	MP3B	X	5.999	10.56
44	MP3B	Z	0	10.56
45	MP3B	Mx	.001	10.56
46	MP3B	X	5.999	46.56
47	MP3B	Z	0	46.56
48	MP3B	Mx	.001	46.56
49	MP3C	X	5.999	10.56
50	MP3C	Z	0	10.56
51	MP3C	Mx	.001	10.56
52	MP3C	X	5.999	46.56
53	MP3C	Z	0	46.56
54	MP3C	Mx	.001	46.56
55	MP4A	X	2.397	16.56
56	MP4A	Z	0	16.56
57	MP4A	Mx	-.000999	16.56
58	MP4A	X	2.397	40.56
59	MP4A	Z	0	40.56
60	MP4A	Mx	-.000999	40.56
61	MP4B	X	5.191	16.56
62	MP4B	Z	0	16.56
63	MP4B	Mx	.001	16.56
64	MP4B	X	5.191	40.56
65	MP4B	Z	0	40.56
66	MP4B	Mx	.001	40.56
67	MP4C	X	5.191	16.56
68	MP4C	Z	0	16.56
69	MP4C	Mx	.001	16.56
70	MP4C	X	5.191	40.56
71	MP4C	Z	0	40.56
72	MP4C	Mx	.001	40.56
73	MP3A	X	3.257	36
74	MP3A	Z	0	36
75	MP3A	Mx	.003	36
76	MP3B	X	4.468	36
77	MP3B	Z	0	36
78	MP3B	Mx	-.002	36
79	MP3C	X	4.468	36
80	MP3C	Z	0	36
81	MP3C	Mx	-.002	36
82	MP2A	X	2.638	48
83	MP2A	Z	0	48
84	MP2A	Mx	.002	48
85	MP2B	X	4.313	48
86	MP2B	Z	0	48
87	MP2B	Mx	-.001	48
88	MP2C	X	4.313	48
89	MP2C	Z	0	48
90	MP2C	Mx	-.001	48
91	OVP1	X	8.07	6
92	OVP1	Z	0	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	6.798	4.56
2	MP2A	Z	3.925	4.56
3	MP2A	Mx	-.000782	4.56
4	MP2A	X	6.798	52.56
5	MP2A	Z	3.925	52.56
6	MP2A	Mx	-.000782	52.56
7	MP2B	X	9.115	4.56
8	MP2B	Z	5.263	4.56
9	MP2B	Mx	-.007	4.56
10	MP2B	X	9.115	52.56
11	MP2B	Z	5.263	52.56
12	MP2B	Mx	-.007	52.56
13	MP2C	X	6.798	4.56
14	MP2C	Z	3.925	4.56
15	MP2C	Mx	.006	4.56
16	MP2C	X	6.798	52.56
17	MP2C	Z	3.925	52.56
18	MP2C	Mx	.006	52.56
19	MP2A	X	6.798	4.56
20	MP2A	Z	3.925	4.56
21	MP2A	Mx	-.006	4.56
22	MP2A	X	6.798	52.56
23	MP2A	Z	3.925	52.56
24	MP2A	Mx	-.006	52.56
25	MP2B	X	9.115	4.56
26	MP2B	Z	5.263	4.56
27	MP2B	Mx	.007	4.56
28	MP2B	X	9.115	52.56
29	MP2B	Z	5.263	52.56
30	MP2B	Mx	.007	52.56
31	MP2C	X	6.798	4.56
32	MP2C	Z	3.925	4.56
33	MP2C	Mx	.000783	4.56
34	MP2C	X	6.798	52.56
35	MP2C	Z	3.925	52.56
36	MP2C	Mx	.000783	52.56
37	MP3A	X	3.742	10.56
38	MP3A	Z	2.16	10.56
39	MP3A	Mx	-.002	10.56
40	MP3A	X	3.742	46.56
41	MP3A	Z	2.16	46.56
42	MP3A	Mx	-.002	46.56
43	MP3B	X	5.923	10.56
44	MP3B	Z	3.419	10.56
45	MP3B	Mx	0	10.56
46	MP3B	X	5.923	46.56
47	MP3B	Z	3.419	46.56
48	MP3B	Mx	0	46.56
49	MP3C	X	3.742	10.56
50	MP3C	Z	2.16	10.56
51	MP3C	Mx	.002	10.56
52	MP3C	X	3.742	46.56
53	MP3C	Z	2.16	46.56
54	MP3C	Mx	.002	46.56
55	MP4A	X	2.882	16.56
56	MP4A	Z	1.664	16.56
57	MP4A	Mx	-.001	16.56
58	MP4A	X	2.882	40.56
59	MP4A	Z	1.664	40.56
60	MP4A	Mx	-.001	40.56
61	MP4B	X	5.302	16.56
62	MP4B	Z	3.061	16.56
63	MP4B	Mx	0	16.56
64	MP4B	X	5.302	40.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
65	MP4B	Z	3.061	40.56
66	MP4B	Mx	0	40.56
67	MP4C	X	2.882	16.56
68	MP4C	Z	1.664	16.56
69	MP4C	Mx	.001	16.56
70	MP4C	X	2.882	40.56
71	MP4C	Z	1.664	40.56
72	MP4C	Mx	.001	40.56
73	MP3A	X	3.17	36
74	MP3A	Z	1.83	36
75	MP3A	Mx	.003	36
76	MP3B	X	4.219	36
77	MP3B	Z	2.436	36
78	MP3B	Mx	0	36
79	MP3C	X	3.17	36
80	MP3C	Z	1.83	36
81	MP3C	Mx	-.003	36
82	MP2A	X	2.768	48
83	MP2A	Z	1.598	48
84	MP2A	Mx	.002	48
85	MP2B	X	4.219	48
86	MP2B	Z	2.436	48
87	MP2B	Mx	0	48
88	MP2C	X	2.768	48
89	MP2C	Z	1.598	48
90	MP2C	Mx	-.002	48
91	OVP1	X	7.532	6
92	OVP1	Z	4.348	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	4.817	4.56
2	MP2A	Z	8.343	4.56
3	MP2A	Mx	.003	4.56
4	MP2A	X	4.817	52.56
5	MP2A	Z	8.343	52.56
6	MP2A	Mx	.003	52.56
7	MP2B	X	4.817	4.56
8	MP2B	Z	8.343	4.56
9	MP2B	Mx	-.008	4.56
10	MP2B	X	4.817	52.56
11	MP2B	Z	8.343	52.56
12	MP2B	Mx	-.008	52.56
13	MP2C	X	3.479	4.56
14	MP2C	Z	6.026	4.56
15	MP2C	Mx	.003	4.56
16	MP2C	X	3.479	52.56
17	MP2C	Z	6.026	52.56
18	MP2C	Mx	.003	52.56
19	MP2A	X	4.817	4.56
20	MP2A	Z	8.343	4.56
21	MP2A	Mx	-.008	4.56
22	MP2A	X	4.817	52.56
23	MP2A	Z	8.343	52.56
24	MP2A	Mx	-.008	52.56
25	MP2B	X	4.817	4.56
26	MP2B	Z	8.343	4.56
27	MP2B	Mx	.003	4.56
28	MP2B	X	4.817	52.56
29	MP2B	Z	8.343	52.56
30	MP2B	Mx	.003	52.56
31	MP2C	X	3.479	4.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
32	MP2C	Z	6.026	4.56
33	MP2C	Mx	.003	4.56
34	MP2C	X	3.479	52.56
35	MP2C	Z	6.026	52.56
36	MP2C	Mx	.003	52.56
37	MP3A	X	3	10.56
38	MP3A	Z	5.196	10.56
39	MP3A	Mx	-.001	10.56
40	MP3A	X	3	46.56
41	MP3A	Z	5.196	46.56
42	MP3A	Mx	-.001	46.56
43	MP3B	X	3	10.56
44	MP3B	Z	5.196	10.56
45	MP3B	Mx	-.001	10.56
46	MP3B	X	3	46.56
47	MP3B	Z	5.196	46.56
48	MP3B	Mx	-.001	46.56
49	MP3C	X	1.74	10.56
50	MP3C	Z	3.015	10.56
51	MP3C	Mx	.001	10.56
52	MP3C	X	1.74	46.56
53	MP3C	Z	3.015	46.56
54	MP3C	Mx	.001	46.56
55	MP4A	X	2.596	16.56
56	MP4A	Z	4.496	16.56
57	MP4A	Mx	-.001	16.56
58	MP4A	X	2.596	40.56
59	MP4A	Z	4.496	40.56
60	MP4A	Mx	-.001	40.56
61	MP4B	X	2.596	16.56
62	MP4B	Z	4.496	16.56
63	MP4B	Mx	-.001	16.56
64	MP4B	X	2.596	40.56
65	MP4B	Z	4.496	40.56
66	MP4B	Mx	-.001	40.56
67	MP4C	X	1.198	16.56
68	MP4C	Z	2.076	16.56
69	MP4C	Mx	.000999	16.56
70	MP4C	X	1.198	40.56
71	MP4C	Z	2.076	40.56
72	MP4C	Mx	.000999	40.56
73	MP3A	X	2.234	36
74	MP3A	Z	3.869	36
75	MP3A	Mx	.002	36
76	MP3B	X	2.234	36
77	MP3B	Z	3.869	36
78	MP3B	Mx	.002	36
79	MP3C	X	1.628	36
80	MP3C	Z	2.82	36
81	MP3C	Mx	-.003	36
82	MP2A	X	2.157	48
83	MP2A	Z	3.736	48
84	MP2A	Mx	.001	48
85	MP2B	X	2.157	48
86	MP2B	Z	3.736	48
87	MP2B	Mx	.001	48
88	MP2C	X	1.319	48
89	MP2C	Z	2.284	48
90	MP2C	Mx	-.002	48
91	OVP1	X	4.975	6
92	OVP1	Z	8.617	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	0	4.56
2	MP2A	Z	10.525	4.56
3	MP2A	Mx	.007	4.56
4	MP2A	X	0	52.56
5	MP2A	Z	10.525	52.56
6	MP2A	Mx	.007	52.56
7	MP2B	X	0	4.56
8	MP2B	Z	7.85	4.56
9	MP2B	Mx	-.006	4.56
10	MP2B	X	0	52.56
11	MP2B	Z	7.85	52.56
12	MP2B	Mx	-.006	52.56
13	MP2C	X	0	4.56
14	MP2C	Z	7.85	4.56
15	MP2C	Mx	.000782	4.56
16	MP2C	X	0	52.56
17	MP2C	Z	7.85	52.56
18	MP2C	Mx	.000782	52.56
19	MP2A	X	0	4.56
20	MP2A	Z	10.525	4.56
21	MP2A	Mx	-.007	4.56
22	MP2A	X	0	52.56
23	MP2A	Z	10.525	52.56
24	MP2A	Mx	-.007	52.56
25	MP2B	X	0	4.56
26	MP2B	Z	7.85	4.56
27	MP2B	Mx	-.000782	4.56
28	MP2B	X	0	52.56
29	MP2B	Z	7.85	52.56
30	MP2B	Mx	-.000782	52.56
31	MP2C	X	0	4.56
32	MP2C	Z	7.85	4.56
33	MP2C	Mx	.006	4.56
34	MP2C	X	0	52.56
35	MP2C	Z	7.85	52.56
36	MP2C	Mx	.006	52.56
37	MP3A	X	0	10.56
38	MP3A	Z	6.839	10.56
39	MP3A	Mx	0	10.56
40	MP3A	X	0	46.56
41	MP3A	Z	6.839	46.56
42	MP3A	Mx	0	46.56
43	MP3B	X	0	10.56
44	MP3B	Z	4.32	10.56
45	MP3B	Mx	-.002	10.56
46	MP3B	X	0	46.56
47	MP3B	Z	4.32	46.56
48	MP3B	Mx	-.002	46.56
49	MP3C	X	0	10.56
50	MP3C	Z	4.32	10.56
51	MP3C	Mx	.002	10.56
52	MP3C	X	0	46.56
53	MP3C	Z	4.32	46.56
54	MP3C	Mx	.002	46.56
55	MP4A	X	0	16.56
56	MP4A	Z	6.122	16.56
57	MP4A	Mx	0	16.56
58	MP4A	X	0	40.56
59	MP4A	Z	6.122	40.56
60	MP4A	Mx	0	40.56
61	MP4B	X	0	16.56
62	MP4B	Z	3.328	16.56
63	MP4B	Mx	-.001	16.56
64	MP4B	X	0	40.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
65	MP4B	Z	3.328	40.56
66	MP4B	Mx	-.001	40.56
67	MP4C	X	0	16.56
68	MP4C	Z	3.328	16.56
69	MP4C	Mx	.001	16.56
70	MP4C	X	0	40.56
71	MP4C	Z	3.328	40.56
72	MP4C	Mx	.001	40.56
73	MP3A	X	0	36
74	MP3A	Z	4.872	36
75	MP3A	Mx	0	36
76	MP3B	X	0	36
77	MP3B	Z	3.66	36
78	MP3B	Mx	.003	36
79	MP3C	X	0	36
80	MP3C	Z	3.66	36
81	MP3C	Mx	-.003	36
82	MP2A	X	0	48
83	MP2A	Z	4.872	48
84	MP2A	Mx	0	48
85	MP2B	X	0	48
86	MP2B	Z	3.196	48
87	MP2B	Mx	.002	48
88	MP2C	X	0	48
89	MP2C	Z	3.196	48
90	MP2C	Mx	-.002	48
91	OVP1	X	0	6
92	OVP1	Z	10.577	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	-4.817	4.56
2	MP2A	Z	8.343	4.56
3	MP2A	Mx	.008	4.56
4	MP2A	X	-4.817	52.56
5	MP2A	Z	8.343	52.56
6	MP2A	Mx	.008	52.56
7	MP2B	X	-3.479	4.56
8	MP2B	Z	6.026	4.56
9	MP2B	Mx	-.003	4.56
10	MP2B	X	-3.479	52.56
11	MP2B	Z	6.026	52.56
12	MP2B	Mx	-.003	52.56
13	MP2C	X	-4.817	4.56
14	MP2C	Z	8.343	4.56
15	MP2C	Mx	-.003	4.56
16	MP2C	X	-4.817	52.56
17	MP2C	Z	8.343	52.56
18	MP2C	Mx	-.003	52.56
19	MP2A	X	-4.817	4.56
20	MP2A	Z	8.343	4.56
21	MP2A	Mx	-.003	4.56
22	MP2A	X	-4.817	52.56
23	MP2A	Z	8.343	52.56
24	MP2A	Mx	-.003	52.56
25	MP2B	X	-3.479	4.56
26	MP2B	Z	6.026	4.56
27	MP2B	Mx	-.003	4.56
28	MP2B	X	-3.479	52.56
29	MP2B	Z	6.026	52.56
30	MP2B	Mx	-.003	52.56
31	MP2C	X	-4.817	4.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
32	MP2C	Z	8.343	4.56
33	MP2C	Mx	.008	4.56
34	MP2C	X	-4.817	52.56
35	MP2C	Z	8.343	52.56
36	MP2C	Mx	.008	52.56
37	MP3A	X	-3	10.56
38	MP3A	Z	5.196	10.56
39	MP3A	Mx	.001	10.56
40	MP3A	X	-3	46.56
41	MP3A	Z	5.196	46.56
42	MP3A	Mx	.001	46.56
43	MP3B	X	-1.74	10.56
44	MP3B	Z	3.015	10.56
45	MP3B	Mx	-.001	10.56
46	MP3B	X	-1.74	46.56
47	MP3B	Z	3.015	46.56
48	MP3B	Mx	-.001	46.56
49	MP3C	X	-3	10.56
50	MP3C	Z	5.196	10.56
51	MP3C	Mx	.001	10.56
52	MP3C	X	-3	46.56
53	MP3C	Z	5.196	46.56
54	MP3C	Mx	.001	46.56
55	MP4A	X	-2.596	16.56
56	MP4A	Z	4.496	16.56
57	MP4A	Mx	.001	16.56
58	MP4A	X	-2.596	40.56
59	MP4A	Z	4.496	40.56
60	MP4A	Mx	.001	40.56
61	MP4B	X	-1.198	16.56
62	MP4B	Z	2.076	16.56
63	MP4B	Mx	-.000999	16.56
64	MP4B	X	-1.198	40.56
65	MP4B	Z	2.076	40.56
66	MP4B	Mx	-.000999	40.56
67	MP4C	X	-2.596	16.56
68	MP4C	Z	4.496	16.56
69	MP4C	Mx	.001	16.56
70	MP4C	X	-2.596	40.56
71	MP4C	Z	4.496	40.56
72	MP4C	Mx	.001	40.56
73	MP3A	X	-2.234	36
74	MP3A	Z	3.869	36
75	MP3A	Mx	-.002	36
76	MP3B	X	-1.628	36
77	MP3B	Z	2.82	36
78	MP3B	Mx	.003	36
79	MP3C	X	-2.234	36
80	MP3C	Z	3.869	36
81	MP3C	Mx	-.002	36
82	MP2A	X	-2.157	48
83	MP2A	Z	3.736	48
84	MP2A	Mx	-.001	48
85	MP2B	X	-1.319	48
86	MP2B	Z	2.284	48
87	MP2B	Mx	.002	48
88	MP2C	X	-2.157	48
89	MP2C	Z	3.736	48
90	MP2C	Mx	-.001	48
91	OVP1	X	-4.975	6
92	OVP1	Z	8.617	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-6.798	4.56
2	MP2A	Z	3.925	4.56
3	MP2A	Mx	.006	4.56
4	MP2A	X	-6.798	52.56
5	MP2A	Z	3.925	52.56
6	MP2A	Mx	.006	52.56
7	MP2B	X	-6.798	4.56
8	MP2B	Z	3.925	4.56
9	MP2B	Mx	-.000783	4.56
10	MP2B	X	-6.798	52.56
11	MP2B	Z	3.925	52.56
12	MP2B	Mx	-.000783	52.56
13	MP2C	X	-9.115	4.56
14	MP2C	Z	5.263	4.56
15	MP2C	Mx	-.007	4.56
16	MP2C	X	-9.115	52.56
17	MP2C	Z	5.263	52.56
18	MP2C	Mx	-.007	52.56
19	MP2A	X	-6.798	4.56
20	MP2A	Z	3.925	4.56
21	MP2A	Mx	.000782	4.56
22	MP2A	X	-6.798	52.56
23	MP2A	Z	3.925	52.56
24	MP2A	Mx	.000782	52.56
25	MP2B	X	-6.798	4.56
26	MP2B	Z	3.925	4.56
27	MP2B	Mx	-.006	4.56
28	MP2B	X	-6.798	52.56
29	MP2B	Z	3.925	52.56
30	MP2B	Mx	-.006	52.56
31	MP2C	X	-9.115	4.56
32	MP2C	Z	5.263	4.56
33	MP2C	Mx	.007	4.56
34	MP2C	X	-9.115	52.56
35	MP2C	Z	5.263	52.56
36	MP2C	Mx	.007	52.56
37	MP3A	X	-3.742	10.56
38	MP3A	Z	2.16	10.56
39	MP3A	Mx	.002	10.56
40	MP3A	X	-3.742	46.56
41	MP3A	Z	2.16	46.56
42	MP3A	Mx	.002	46.56
43	MP3B	X	-3.742	10.56
44	MP3B	Z	2.16	10.56
45	MP3B	Mx	-.002	10.56
46	MP3B	X	-3.742	46.56
47	MP3B	Z	2.16	46.56
48	MP3B	Mx	-.002	46.56
49	MP3C	X	-5.923	10.56
50	MP3C	Z	3.419	10.56
51	MP3C	Mx	0	10.56
52	MP3C	X	-5.923	46.56
53	MP3C	Z	3.419	46.56
54	MP3C	Mx	0	46.56
55	MP4A	X	-2.882	16.56
56	MP4A	Z	1.664	16.56
57	MP4A	Mx	.001	16.56
58	MP4A	X	-2.882	40.56
59	MP4A	Z	1.664	40.56
60	MP4A	Mx	.001	40.56
61	MP4B	X	-2.882	16.56
62	MP4B	Z	1.664	16.56
63	MP4B	Mx	-.001	16.56
64	MP4B	X	-2.882	40.56

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
65	MP4B	Z	1.664	40.56
66	MP4B	Mx	-.001	40.56
67	MP4C	X	-5.302	16.56
68	MP4C	Z	3.061	16.56
69	MP4C	Mx	0	16.56
70	MP4C	X	-5.302	40.56
71	MP4C	Z	3.061	40.56
72	MP4C	Mx	0	40.56
73	MP3A	X	-3.17	36
74	MP3A	Z	1.83	36
75	MP3A	Mx	-.003	36
76	MP3B	X	-3.17	36
77	MP3B	Z	1.83	36
78	MP3B	Mx	.003	36
79	MP3C	X	-4.219	36
80	MP3C	Z	2.436	36
81	MP3C	Mx	0	36
82	MP2A	X	-2.768	48
83	MP2A	Z	1.598	48
84	MP2A	Mx	-.002	48
85	MP2B	X	-2.768	48
86	MP2B	Z	1.598	48
87	MP2B	Mx	.002	48
88	MP2C	X	-4.219	48
89	MP2C	Z	2.436	48
90	MP2C	Mx	0	48
91	OVP1	X	-7.532	6
92	OVP1	Z	4.348	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	MP2A	X	-6.958	4.56
2	MP2A	Z	0	4.56
3	MP2A	Mx	.003	4.56
4	MP2A	X	-6.958	52.56
5	MP2A	Z	0	52.56
6	MP2A	Mx	.003	52.56
7	MP2B	X	-9.634	4.56
8	MP2B	Z	0	4.56
9	MP2B	Mx	.003	4.56
10	MP2B	X	-9.634	52.56
11	MP2B	Z	0	52.56
12	MP2B	Mx	.003	52.56
13	MP2C	X	-9.634	4.56
14	MP2C	Z	0	4.56
15	MP2C	Mx	-.008	4.56
16	MP2C	X	-9.634	52.56
17	MP2C	Z	0	52.56
18	MP2C	Mx	-.008	52.56
19	MP2A	X	-6.958	4.56
20	MP2A	Z	0	4.56
21	MP2A	Mx	.003	4.56
22	MP2A	X	-6.958	52.56
23	MP2A	Z	0	52.56
24	MP2A	Mx	.003	52.56
25	MP2B	X	-9.634	4.56
26	MP2B	Z	0	4.56
27	MP2B	Mx	-.008	4.56
28	MP2B	X	-9.634	52.56
29	MP2B	Z	0	52.56
30	MP2B	Mx	-.008	52.56
31	MP2C	X	-9.634	4.56

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

	Member Label	Direction	Magnitude[lb.,lb-ft]	Location[in, %]
32	MP2C	Z	0	4.56
33	MP2C	Mx	.003	4.56
34	MP2C	X	-9.634	52.56
35	MP2C	Z	0	52.56
36	MP2C	Mx	.003	52.56
37	MP3A	X	-3.481	10.56
38	MP3A	Z	0	10.56
39	MP3A	Mx	.001	10.56
40	MP3A	X	-3.481	46.56
41	MP3A	Z	0	46.56
42	MP3A	Mx	.001	46.56
43	MP3B	X	-5.999	10.56
44	MP3B	Z	0	10.56
45	MP3B	Mx	-.001	10.56
46	MP3B	X	-5.999	46.56
47	MP3B	Z	0	46.56
48	MP3B	Mx	-.001	46.56
49	MP3C	X	-5.999	10.56
50	MP3C	Z	0	10.56
51	MP3C	Mx	-.001	10.56
52	MP3C	X	-5.999	46.56
53	MP3C	Z	0	46.56
54	MP3C	Mx	-.001	46.56
55	MP4A	X	-2.397	16.56
56	MP4A	Z	0	16.56
57	MP4A	Mx	.000999	16.56
58	MP4A	X	-2.397	40.56
59	MP4A	Z	0	40.56
60	MP4A	Mx	.000999	40.56
61	MP4B	X	-5.191	16.56
62	MP4B	Z	0	16.56
63	MP4B	Mx	-.001	16.56
64	MP4B	X	-5.191	40.56
65	MP4B	Z	0	40.56
66	MP4B	Mx	-.001	40.56
67	MP4C	X	-5.191	16.56
68	MP4C	Z	0	16.56
69	MP4C	Mx	-.001	16.56
70	MP4C	X	-5.191	40.56
71	MP4C	Z	0	40.56
72	MP4C	Mx	-.001	40.56
73	MP3A	X	-3.257	36
74	MP3A	Z	0	36
75	MP3A	Mx	-.003	36
76	MP3B	X	-4.468	36
77	MP3B	Z	0	36
78	MP3B	Mx	.002	36
79	MP3C	X	-4.468	36
80	MP3C	Z	0	36
81	MP3C	Mx	.002	36
82	MP2A	X	-2.638	48
83	MP2A	Z	0	48
84	MP2A	Mx	-.002	48
85	MP2B	X	-4.313	48
86	MP2B	Z	0	48
87	MP2B	Mx	.001	48
88	MP2C	X	-4.313	48
89	MP2C	Z	0	48
90	MP2C	Mx	.001	48
91	OVP1	X	-8.07	6
92	OVP1	Z	0	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-6.798	4.56
2	MP2A	Z	-3.925	4.56
3	MP2A	Mx	.000782	4.56
4	MP2A	X	-6.798	52.56
5	MP2A	Z	-3.925	52.56
6	MP2A	Mx	.000782	52.56
7	MP2B	X	-9.115	4.56
8	MP2B	Z	-5.263	4.56
9	MP2B	Mx	.007	4.56
10	MP2B	X	-9.115	52.56
11	MP2B	Z	-5.263	52.56
12	MP2B	Mx	.007	52.56
13	MP2C	X	-6.798	4.56
14	MP2C	Z	-3.925	4.56
15	MP2C	Mx	-.006	4.56
16	MP2C	X	-6.798	52.56
17	MP2C	Z	-3.925	52.56
18	MP2C	Mx	-.006	52.56
19	MP2A	X	-6.798	4.56
20	MP2A	Z	-3.925	4.56
21	MP2A	Mx	.006	4.56
22	MP2A	X	-6.798	52.56
23	MP2A	Z	-3.925	52.56
24	MP2A	Mx	.006	52.56
25	MP2B	X	-9.115	4.56
26	MP2B	Z	-5.263	4.56
27	MP2B	Mx	-.007	4.56
28	MP2B	X	-9.115	52.56
29	MP2B	Z	-5.263	52.56
30	MP2B	Mx	-.007	52.56
31	MP2C	X	-6.798	4.56
32	MP2C	Z	-3.925	4.56
33	MP2C	Mx	-.000783	4.56
34	MP2C	X	-6.798	52.56
35	MP2C	Z	-3.925	52.56
36	MP2C	Mx	-.000783	52.56
37	MP3A	X	-3.742	10.56
38	MP3A	Z	-2.16	10.56
39	MP3A	Mx	.002	10.56
40	MP3A	X	-3.742	46.56
41	MP3A	Z	-2.16	46.56
42	MP3A	Mx	.002	46.56
43	MP3B	X	-5.923	10.56
44	MP3B	Z	-3.419	10.56
45	MP3B	Mx	0	10.56
46	MP3B	X	-5.923	46.56
47	MP3B	Z	-3.419	46.56
48	MP3B	Mx	0	46.56
49	MP3C	X	-3.742	10.56
50	MP3C	Z	-2.16	10.56
51	MP3C	Mx	-.002	10.56
52	MP3C	X	-3.742	46.56
53	MP3C	Z	-2.16	46.56
54	MP3C	Mx	-.002	46.56
55	MP4A	X	-2.882	16.56
56	MP4A	Z	-1.664	16.56
57	MP4A	Mx	.001	16.56
58	MP4A	X	-2.882	40.56
59	MP4A	Z	-1.664	40.56
60	MP4A	Mx	.001	40.56
61	MP4B	X	-5.302	16.56
62	MP4B	Z	-3.061	16.56
63	MP4B	Mx	0	16.56
64	MP4B	X	-5.302	40.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
65	MP4B	Z	-3.061	40.56
66	MP4B	Mx	0	40.56
67	MP4C	X	-2.882	16.56
68	MP4C	Z	-1.664	16.56
69	MP4C	Mx	-.001	16.56
70	MP4C	X	-2.882	40.56
71	MP4C	Z	-1.664	40.56
72	MP4C	Mx	-.001	40.56
73	MP3A	X	-3.17	36
74	MP3A	Z	-1.83	36
75	MP3A	Mx	-.003	36
76	MP3B	X	-4.219	36
77	MP3B	Z	-2.436	36
78	MP3B	Mx	0	36
79	MP3C	X	-3.17	36
80	MP3C	Z	-1.83	36
81	MP3C	Mx	.003	36
82	MP2A	X	-2.768	48
83	MP2A	Z	-1.598	48
84	MP2A	Mx	-.002	48
85	MP2B	X	-4.219	48
86	MP2B	Z	-2.436	48
87	MP2B	Mx	0	48
88	MP2C	X	-2.768	48
89	MP2C	Z	-1.598	48
90	MP2C	Mx	.002	48
91	OVP1	X	-7.532	6
92	OVP1	Z	-4.348	6
93	OVP1	Mx	0	6

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in. %]
1	MP2A	X	-4.817	4.56
2	MP2A	Z	-8.343	4.56
3	MP2A	Mx	-.003	4.56
4	MP2A	X	-4.817	52.56
5	MP2A	Z	-8.343	52.56
6	MP2A	Mx	-.003	52.56
7	MP2B	X	-4.817	4.56
8	MP2B	Z	-8.343	4.56
9	MP2B	Mx	.008	4.56
10	MP2B	X	-4.817	52.56
11	MP2B	Z	-8.343	52.56
12	MP2B	Mx	.008	52.56
13	MP2C	X	-3.479	4.56
14	MP2C	Z	-6.026	4.56
15	MP2C	Mx	-.003	4.56
16	MP2C	X	-3.479	52.56
17	MP2C	Z	-6.026	52.56
18	MP2C	Mx	-.003	52.56
19	MP2A	X	-4.817	4.56
20	MP2A	Z	-8.343	4.56
21	MP2A	Mx	.008	4.56
22	MP2A	X	-4.817	52.56
23	MP2A	Z	-8.343	52.56
24	MP2A	Mx	.008	52.56
25	MP2B	X	-4.817	4.56
26	MP2B	Z	-8.343	4.56
27	MP2B	Mx	-.003	4.56
28	MP2B	X	-4.817	52.56
29	MP2B	Z	-8.343	52.56
30	MP2B	Mx	-.003	52.56
31	MP2C	X	-3.479	4.56

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

	Member Label	Direction	Magnitude[lb.lb-ft]	Location[in.%]
32	MP2C	Z	-6.026	4.56
33	MP2C	Mx	-.003	4.56
34	MP2C	X	-3.479	52.56
35	MP2C	Z	-6.026	52.56
36	MP2C	Mx	-.003	52.56
37	MP3A	X	-3	10.56
38	MP3A	Z	-5.196	10.56
39	MP3A	Mx	.001	10.56
40	MP3A	X	-3	46.56
41	MP3A	Z	-5.196	46.56
42	MP3A	Mx	.001	46.56
43	MP3B	X	-3	10.56
44	MP3B	Z	-5.196	10.56
45	MP3B	Mx	.001	10.56
46	MP3B	X	-3	46.56
47	MP3B	Z	-5.196	46.56
48	MP3B	Mx	.001	46.56
49	MP3C	X	-1.74	10.56
50	MP3C	Z	-3.015	10.56
51	MP3C	Mx	-.001	10.56
52	MP3C	X	-1.74	46.56
53	MP3C	Z	-3.015	46.56
54	MP3C	Mx	-.001	46.56
55	MP4A	X	-2.596	16.56
56	MP4A	Z	-4.496	16.56
57	MP4A	Mx	.001	16.56
58	MP4A	X	-2.596	40.56
59	MP4A	Z	-4.496	40.56
60	MP4A	Mx	.001	40.56
61	MP4B	X	-2.596	16.56
62	MP4B	Z	-4.496	16.56
63	MP4B	Mx	.001	16.56
64	MP4B	X	-2.596	40.56
65	MP4B	Z	-4.496	40.56
66	MP4B	Mx	.001	40.56
67	MP4C	X	-1.198	16.56
68	MP4C	Z	-2.076	16.56
69	MP4C	Mx	-.000999	16.56
70	MP4C	X	-1.198	40.56
71	MP4C	Z	-2.076	40.56
72	MP4C	Mx	-.000999	40.56
73	MP3A	X	-2.234	36
74	MP3A	Z	-3.869	36
75	MP3A	Mx	-.002	36
76	MP3B	X	-2.234	36
77	MP3B	Z	-3.869	36
78	MP3B	Mx	-.002	36
79	MP3C	X	-1.628	36
80	MP3C	Z	-2.82	36
81	MP3C	Mx	.003	36
82	MP2A	X	-2.157	48
83	MP2A	Z	-3.736	48
84	MP2A	Mx	-.001	48
85	MP2B	X	-2.157	48
86	MP2B	Z	-3.736	48
87	MP2B	Mx	-.001	48
88	MP2C	X	-1.319	48
89	MP2C	Z	-2.284	48
90	MP2C	Mx	.002	48
91	OVP1	X	-4.975	6
92	OVP1	Z	-8.617	6
93	OVP1	Mx	0	6

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	M20	Y	-500	%75

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	M20	Y	-500	%25

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	M20	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,lb-ft]	Location[in, %]
1	M20	Y	-250	%50

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	Y	-4.984	-4.984	0	%100
2	M143A	Y	-4.984	-4.984	0	%100
3	M144A	Y	-4.984	-4.984	0	%100
4	M131	Y	-7.62	-7.62	0	%100
5	M132	Y	-7.62	-7.62	0	%100
6	M146A	Y	-7.62	-7.62	0	%100
7	M147A	Y	-7.62	-7.62	0	%100
8	M150	Y	-7.62	-7.62	0	%100
9	M151	Y	-7.62	-7.62	0	%100
10	M121A	Y	-6.622	-6.622	0	%100
11	M137	Y	-6.622	-6.622	0	%100
12	M143	Y	-6.622	-6.622	0	%100
13	M70A	Y	-5.69	-5.69	0	%100
14	M136A	Y	-5.69	-5.69	0	%100
15	M138A	Y	-5.69	-5.69	0	%100
16	M72A	Y	-9.617	-9.617	0	%100
17	M41	Y	-9.617	-9.617	0	%100
18	M107	Y	-9.617	-9.617	0	%100
19	M74	Y	-9.617	-9.617	0	%100
20	M192B	Y	-9.617	-9.617	0	%100
21	M54	Y	-9.617	-9.617	0	%100
22	M55	Y	-9.617	-9.617	0	%100
23	M118	Y	-9.617	-9.617	0	%100
24	M119	Y	-9.617	-9.617	0	%100
25	MP4A	Y	-4.984	-4.984	0	%100
26	MP2A	Y	-4.984	-4.984	0	%100
27	MP1A	Y	-4.984	-4.984	0	%100
28	MP3A	Y	-4.984	-4.984	0	%100
29	MP4C	Y	-4.984	-4.984	0	%100
30	MP2C	Y	-4.984	-4.984	0	%100
31	MP1C	Y	-4.984	-4.984	0	%100
32	MP3C	Y	-4.984	-4.984	0	%100
33	MP4B	Y	-4.984	-4.984	0	%100
34	MP2B	Y	-4.984	-4.984	0	%100
35	MP1B	Y	-4.984	-4.984	0	%100
36	MP3B	Y	-4.984	-4.984	0	%100
37	OVP1	Y	-4.984	-4.984	0	%100
38	M116B	Y	-11.811	-11.811	0	%100
39	M120A	Y	-11.811	-11.811	0	%100
40	M128A	Y	-11.811	-11.811	0	%100
41	M79	Y	-5.624	-5.624	0	%100
42	M193B	Y	-5.624	-5.624	0	%100
43	M56	Y	-5.624	-5.624	0	%100
44	M57	Y	-5.624	-5.624	0	%100
45	M120	Y	-5.624	-5.624	0	%100

Member Distributed Loads (BLC 40 : Structure Di) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
46	M121	Y	-5.624	-5.624	0	%100
47	M20	Y	-6.572	-6.572	0	%100
48	M78	Y	-6.572	-6.572	0	%100
49	M106	Y	-6.572	-6.572	0	%100
50	M198A	Y	-10.118	-10.118	0	%100
51	M199A	Y	-10.118	-10.118	0	%100
52	M196B	Y	-10.118	-10.118	0	%100
53	M197B	Y	-10.118	-10.118	0	%100
54	M58	Y	-10.118	-10.118	0	%100
55	M59	Y	-10.118	-10.118	0	%100
56	M60	Y	-10.118	-10.118	0	%100
57	M61	Y	-10.118	-10.118	0	%100
58	M122	Y	-10.118	-10.118	0	%100
59	M123	Y	-10.118	-10.118	0	%100
60	M124	Y	-10.118	-10.118	0	%100
61	M125	Y	-10.118	-10.118	0	%100
62	M75	Y	-10.131	-10.131	0	%100
63	M87A	Y	-10.131	-10.131	0	%100
64	M92	Y	-10.131	-10.131	0	%100
65	M62	Y	-10.131	-10.131	0	%100
66	M63	Y	-10.131	-10.131	0	%100
67	M64	Y	-10.131	-10.131	0	%100
68	M126A	Y	-10.131	-10.131	0	%100
69	M127	Y	-10.131	-10.131	0	%100
70	M128	Y	-10.131	-10.131	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	0	0	0	%100
2	M142	Z	-8.03	-8.03	0	%100
3	M143A	X	0	0	0	%100
4	M143A	Z	-9.34	-9.34	0	%100
5	M144A	X	0	0	0	%100
6	M144A	Z	-2.009	-2.009	0	%100
7	M131	X	0	0	0	%100
8	M131	Z	-9.878	-9.878	0	%100
9	M132	X	0	0	0	%100
10	M132	Z	-9.878	-9.878	0	%100
11	M146A	X	0	0	0	%100
12	M146A	Z	-15.258	-15.258	0	%100
13	M147A	X	0	0	0	%100
14	M147A	Z	-15.258	-15.258	0	%100
15	M150	X	0	0	0	%100
16	M150	Z	-15.258	-15.258	0	%100
17	M151	X	0	0	0	%100
18	M151	Z	-15.258	-15.258	0	%100
19	M121A	X	0	0	0	%100
20	M121A	Z	-11.532	-11.532	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	-2.883	-2.883	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	-2.883	-2.883	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	-11.588	-11.588	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	-2.897	-2.897	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	-2.897	-2.897	0	%100
31	M72A	X	0	0	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	-11.211	-11.211	0	%100
35	M107	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
36	M107	Z	-11.211	-11.211	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	-12.339	-12.339	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	-12.339	-12.339	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-3.085	-3.085	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-3.085	-3.085	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	-3.085	-3.085	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	-3.085	-3.085	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	-9.573	-9.573	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-9.573	-9.573	0	%100
53	MP1A	X	0	0	0	%100
54	MP1A	Z	-9.573	-9.573	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	-9.573	-9.573	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	-9.573	-9.573	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-9.573	-9.573	0	%100
61	MP1C	X	0	0	0	%100
62	MP1C	Z	-9.573	-9.573	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	-9.573	-9.573	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	-9.573	-9.573	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-9.573	-9.573	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-9.573	-9.573	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	-9.573	-9.573	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	-8.276	-8.276	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	-16.421	-16.421	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	-4.105	-4.105	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	-4.105	-4.105	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	-3.359	-3.359	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	-3.359	-3.359	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	-13.436	-13.436	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	-3.359	-3.359	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	-3.359	-3.359	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	-13.436	-13.436	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	-13.901	-13.901	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	-3.475	-3.475	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	-3.475	-3.475	0	%100
99	M198A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	0	0	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	-6.158	-6.158	0	%100
103	M196B	X	0	0	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	-6.158	-6.158	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	-18.25	-18.25	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	-24.632	-24.632	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	-18.25	-18.25	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	-6.158	-6.158	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-18.25	-18.25	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-6.158	-6.158	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	-18.25	-18.25	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	-24.632	-24.632	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	-24.184	-24.184	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	-6.382	-6.382	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	-6.382	-6.382	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	-6.046	-6.046	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	-25.528	-25.528	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	-6.382	-6.382	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	-6.046	-6.046	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	-6.382	-6.382	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	-25.528	-25.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	2.391	2.391	0	%100
2	M142	Z	-4.141	-4.141	0	%100
3	M143A	X	4.128	4.128	0	%100
4	M143A	Z	-7.15	-7.15	0	%100
5	M144A	X	.005	.005	0	%100
6	M144A	Z	-.009	-.009	0	%100
7	M131	X	5.836	5.836	0	%100
8	M131	Z	-10.108	-10.108	0	%100
9	M132	X	5.836	5.836	0	%100
10	M132	Z	-10.108	-10.108	0	%100
11	M146A	X	8.526	8.526	0	%100
12	M146A	Z	-14.767	-14.767	0	%100
13	M147A	X	8.526	8.526	0	%100
14	M147A	Z	-14.767	-14.767	0	%100
15	M150	X	5.836	5.836	0	%100
16	M150	Z	-10.108	-10.108	0	%100
17	M151	X	5.836	5.836	0	%100
18	M151	Z	-10.108	-10.108	0	%100
19	M121A	X	4.325	4.325	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	-7.49	-7.49	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	4.325	4.325	0	%100
24	M143	Z	-7.49	-7.49	0	%100
25	M70A	X	4.346	4.346	0	%100
26	M70A	Z	-7.527	-7.527	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	4.346	4.346	0	%100
30	M138A	Z	-7.527	-7.527	0	%100
31	M72A	X	1.868	1.868	0	%100
32	M72A	Z	-3.236	-3.236	0	%100
33	M41	X	1.868	1.868	0	%100
34	M41	Z	-3.236	-3.236	0	%100
35	M107	X	7.474	7.474	0	%100
36	M107	Z	-12.945	-12.945	0	%100
37	M74	X	4.627	4.627	0	%100
38	M74	Z	-8.014	-8.014	0	%100
39	M192B	X	4.627	4.627	0	%100
40	M192B	Z	-8.014	-8.014	0	%100
41	M54	X	4.627	4.627	0	%100
42	M54	Z	-8.014	-8.014	0	%100
43	M55	X	4.627	4.627	0	%100
44	M55	Z	-8.014	-8.014	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	4.786	4.786	0	%100
50	MP4A	Z	-8.29	-8.29	0	%100
51	MP2A	X	4.786	4.786	0	%100
52	MP2A	Z	-8.29	-8.29	0	%100
53	MP1A	X	4.786	4.786	0	%100
54	MP1A	Z	-8.29	-8.29	0	%100
55	MP3A	X	4.786	4.786	0	%100
56	MP3A	Z	-8.29	-8.29	0	%100
57	MP4C	X	4.786	4.786	0	%100
58	MP4C	Z	-8.29	-8.29	0	%100
59	MP2C	X	4.786	4.786	0	%100
60	MP2C	Z	-8.29	-8.29	0	%100
61	MP1C	X	4.786	4.786	0	%100
62	MP1C	Z	-8.29	-8.29	0	%100
63	MP3C	X	4.786	4.786	0	%100
64	MP3C	Z	-8.29	-8.29	0	%100
65	MP4B	X	4.786	4.786	0	%100
66	MP4B	Z	-8.29	-8.29	0	%100
67	MP2B	X	4.786	4.786	0	%100
68	MP2B	Z	-8.29	-8.29	0	%100
69	MP1B	X	4.786	4.786	0	%100
70	MP1B	Z	-8.29	-8.29	0	%100
71	MP3B	X	4.786	4.786	0	%100
72	MP3B	Z	-8.29	-8.29	0	%100
73	OVP1	X	4.138	4.138	0	%100
74	OVP1	Z	-7.167	-7.167	0	%100
75	M116B	X	6.158	6.158	0	%100
76	M116B	Z	-10.666	-10.666	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	6.158	6.158	0	%100
80	M128A	Z	-10.666	-10.666	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	5.038	5.038	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	-8.727	-8.727	0	%100
85	M56	X	5.038	5.038	0	%100
86	M56	Z	-8.727	-8.727	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	5.038	5.038	0	%100
90	M120	Z	-8.727	-8.727	0	%100
91	M121	X	5.038	5.038	0	%100
92	M121	Z	-8.727	-8.727	0	%100
93	M20	X	5.213	5.213	0	%100
94	M20	Z	-9.029	-9.029	0	%100
95	M78	X	5.213	5.213	0	%100
96	M78	Z	-9.029	-9.029	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	3.042	3.042	0	%100
100	M198A	Z	-5.268	-5.268	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	3.042	3.042	0	%100
104	M196B	Z	-5.268	-5.268	0	%100
105	M197B	X	9.237	9.237	0	%100
106	M197B	Z	-15.999	-15.999	0	%100
107	M58	X	3.042	3.042	0	%100
108	M58	Z	-5.268	-5.268	0	%100
109	M59	X	9.237	9.237	0	%100
110	M59	Z	-15.999	-15.999	0	%100
111	M60	X	3.042	3.042	0	%100
112	M60	Z	-5.268	-5.268	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	12.167	12.167	0	%100
116	M122	Z	-21.073	-21.073	0	%100
117	M123	X	9.237	9.237	0	%100
118	M123	Z	-15.999	-15.999	0	%100
119	M124	X	12.167	12.167	0	%100
120	M124	Z	-21.073	-21.073	0	%100
121	M125	X	9.237	9.237	0	%100
122	M125	Z	-15.999	-15.999	0	%100
123	M75	X	9.069	9.069	0	%100
124	M75	Z	-15.708	-15.708	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	9.573	9.573	0	%100
128	M92	Z	-16.581	-16.581	0	%100
129	M62	X	9.069	9.069	0	%100
130	M62	Z	-15.708	-15.708	0	%100
131	M63	X	9.573	9.573	0	%100
132	M63	Z	-16.581	-16.581	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	9.573	9.573	0	%100
138	M127	Z	-16.581	-16.581	0	%100
139	M128	X	9.573	9.573	0	%100
140	M128	Z	-16.581	-16.581	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	7.239	7.239	0	%100
2	M142	Z	-4.179	-4.179	0	%100
3	M143A	X	3.195	3.195	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
4	M143A	Z	-1.845	-1.845	0	%100
5	M144A	X	2.188	2.188	0	%100
6	M144A	Z	-1.263	-1.263	0	%100
7	M131	X	13.214	13.214	0	%100
8	M131	Z	-7.629	-7.629	0	%100
9	M132	X	13.214	13.214	0	%100
10	M132	Z	-7.629	-7.629	0	%100
11	M146A	X	13.214	13.214	0	%100
12	M146A	Z	-7.629	-7.629	0	%100
13	M147A	X	13.214	13.214	0	%100
14	M147A	Z	-7.629	-7.629	0	%100
15	M150	X	8.555	8.555	0	%100
16	M150	Z	-4.939	-4.939	0	%100
17	M151	X	8.555	8.555	0	%100
18	M151	Z	-4.939	-4.939	0	%100
19	M121A	X	2.497	2.497	0	%100
20	M121A	Z	-1.442	-1.442	0	%100
21	M137	X	2.497	2.497	0	%100
22	M137	Z	-1.442	-1.442	0	%100
23	M143	X	9.987	9.987	0	%100
24	M143	Z	-5.766	-5.766	0	%100
25	M70A	X	2.509	2.509	0	%100
26	M70A	Z	-1.449	-1.449	0	%100
27	M136A	X	2.509	2.509	0	%100
28	M136A	Z	-1.449	-1.449	0	%100
29	M138A	X	10.036	10.036	0	%100
30	M138A	Z	-5.794	-5.794	0	%100
31	M72A	X	9.709	9.709	0	%100
32	M72A	Z	-5.605	-5.605	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	9.709	9.709	0	%100
36	M107	Z	-5.605	-5.605	0	%100
37	M74	X	2.671	2.671	0	%100
38	M74	Z	-1.542	-1.542	0	%100
39	M192B	X	2.671	2.671	0	%100
40	M192B	Z	-1.542	-1.542	0	%100
41	M54	X	10.685	10.685	0	%100
42	M54	Z	-6.169	-6.169	0	%100
43	M55	X	10.685	10.685	0	%100
44	M55	Z	-6.169	-6.169	0	%100
45	M118	X	2.671	2.671	0	%100
46	M118	Z	-1.542	-1.542	0	%100
47	M119	X	2.671	2.671	0	%100
48	M119	Z	-1.542	-1.542	0	%100
49	MP4A	X	8.29	8.29	0	%100
50	MP4A	Z	-4.786	-4.786	0	%100
51	MP2A	X	8.29	8.29	0	%100
52	MP2A	Z	-4.786	-4.786	0	%100
53	MP1A	X	8.29	8.29	0	%100
54	MP1A	Z	-4.786	-4.786	0	%100
55	MP3A	X	8.29	8.29	0	%100
56	MP3A	Z	-4.786	-4.786	0	%100
57	MP4C	X	8.29	8.29	0	%100
58	MP4C	Z	-4.786	-4.786	0	%100
59	MP2C	X	8.29	8.29	0	%100
60	MP2C	Z	-4.786	-4.786	0	%100
61	MP1C	X	8.29	8.29	0	%100
62	MP1C	Z	-4.786	-4.786	0	%100
63	MP3C	X	8.29	8.29	0	%100
64	MP3C	Z	-4.786	-4.786	0	%100
65	MP4B	X	8.29	8.29	0	%100
66	MP4B	Z	-4.786	-4.786	0	%100
67	MP2B	X	8.29	8.29	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	-4.786	-4.786	0	%100
69	MP1B	X	8.29	8.29	0	%100
70	MP1B	Z	-4.786	-4.786	0	%100
71	MP3B	X	8.29	8.29	0	%100
72	MP3B	Z	-4.786	-4.786	0	%100
73	OVP1	X	7.167	7.167	0	%100
74	OVP1	Z	-4.138	-4.138	0	%100
75	M116B	X	3.555	3.555	0	%100
76	M116B	Z	-2.053	-2.053	0	%100
77	M120A	X	3.555	3.555	0	%100
78	M120A	Z	-2.053	-2.053	0	%100
79	M128A	X	14.221	14.221	0	%100
80	M128A	Z	-8.211	-8.211	0	%100
81	M79	X	2.909	2.909	0	%100
82	M79	Z	-1.679	-1.679	0	%100
83	M193B	X	11.636	11.636	0	%100
84	M193B	Z	-6.718	-6.718	0	%100
85	M56	X	2.909	2.909	0	%100
86	M56	Z	-1.679	-1.679	0	%100
87	M57	X	2.909	2.909	0	%100
88	M57	Z	-1.679	-1.679	0	%100
89	M120	X	11.636	11.636	0	%100
90	M120	Z	-6.718	-6.718	0	%100
91	M121	X	2.909	2.909	0	%100
92	M121	Z	-1.679	-1.679	0	%100
93	M20	X	3.01	3.01	0	%100
94	M20	Z	-1.738	-1.738	0	%100
95	M78	X	12.038	12.038	0	%100
96	M78	Z	-6.95	-6.95	0	%100
97	M106	X	3.01	3.01	0	%100
98	M106	Z	-1.738	-1.738	0	%100
99	M198A	X	15.805	15.805	0	%100
100	M198A	Z	-9.125	-9.125	0	%100
101	M199A	X	5.333	5.333	0	%100
102	M199A	Z	-3.079	-3.079	0	%100
103	M196B	X	15.805	15.805	0	%100
104	M196B	Z	-9.125	-9.125	0	%100
105	M197B	X	21.332	21.332	0	%100
106	M197B	Z	-12.316	-12.316	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	5.333	5.333	0	%100
110	M59	Z	-3.079	-3.079	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	5.333	5.333	0	%100
114	M61	Z	-3.079	-3.079	0	%100
115	M122	X	15.805	15.805	0	%100
116	M122	Z	-9.125	-9.125	0	%100
117	M123	X	21.332	21.332	0	%100
118	M123	Z	-12.316	-12.316	0	%100
119	M124	X	15.805	15.805	0	%100
120	M124	Z	-9.125	-9.125	0	%100
121	M125	X	5.333	5.333	0	%100
122	M125	Z	-3.079	-3.079	0	%100
123	M75	X	5.236	5.236	0	%100
124	M75	Z	-3.023	-3.023	0	%100
125	M87A	X	5.527	5.527	0	%100
126	M87A	Z	-3.191	-3.191	0	%100
127	M92	X	22.108	22.108	0	%100
128	M92	Z	-12.764	-12.764	0	%100
129	M62	X	20.944	20.944	0	%100
130	M62	Z	-12.092	-12.092	0	%100
131	M63	X	5.527	5.527	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	-3.191	-3.191	0	%100
133	M64	X	5.527	5.527	0	%100
134	M64	Z	-3.191	-3.191	0	%100
135	M126A	X	5.236	5.236	0	%100
136	M126A	Z	-3.023	-3.023	0	%100
137	M127	X	22.108	22.108	0	%100
138	M127	Z	-12.764	-12.764	0	%100
139	M128	X	5.527	5.527	0	%100
140	M128	Z	-3.191	-3.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	7.958	7.958	0	%100
2	M142	Z	0	0	0	%100
3	M143A	X	.206	.206	0	%100
4	M143A	Z	0	0	0	%100
5	M144A	X	7.043	7.043	0	%100
6	M144A	Z	0	0	0	%100
7	M131	X	17.052	17.052	0	%100
8	M131	Z	0	0	0	%100
9	M132	X	17.052	17.052	0	%100
10	M132	Z	0	0	0	%100
11	M146A	X	11.672	11.672	0	%100
12	M146A	Z	0	0	0	%100
13	M147A	X	11.672	11.672	0	%100
14	M147A	Z	0	0	0	%100
15	M150	X	11.672	11.672	0	%100
16	M150	Z	0	0	0	%100
17	M151	X	11.672	11.672	0	%100
18	M151	Z	0	0	0	%100
19	M121A	X	0	0	0	%100
20	M121A	Z	0	0	0	%100
21	M137	X	8.649	8.649	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	8.649	8.649	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	0	0	0	%100
27	M136A	X	8.691	8.691	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	8.691	8.691	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	14.948	14.948	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	3.737	3.737	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	3.737	3.737	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	0	0	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	0	0	0	%100
41	M54	X	9.254	9.254	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	9.254	9.254	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	9.254	9.254	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	9.254	9.254	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	9.573	9.573	0	%100
50	MP4A	Z	0	0	0	%100
51	MP2A	X	9.573	9.573	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
52	MP2A	Z	0	0	0	%100
53	MP1A	X	9.573	9.573	0	%100
54	MP1A	Z	0	0	0	%100
55	MP3A	X	9.573	9.573	0	%100
56	MP3A	Z	0	0	0	%100
57	MP4C	X	9.573	9.573	0	%100
58	MP4C	Z	0	0	0	%100
59	MP2C	X	9.573	9.573	0	%100
60	MP2C	Z	0	0	0	%100
61	MP1C	X	9.573	9.573	0	%100
62	MP1C	Z	0	0	0	%100
63	MP3C	X	9.573	9.573	0	%100
64	MP3C	Z	0	0	0	%100
65	MP4B	X	9.573	9.573	0	%100
66	MP4B	Z	0	0	0	%100
67	MP2B	X	9.573	9.573	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	9.573	9.573	0	%100
70	MP1B	Z	0	0	0	%100
71	MP3B	X	9.573	9.573	0	%100
72	MP3B	Z	0	0	0	%100
73	OVPI	X	8.276	8.276	0	%100
74	OVPI	Z	0	0	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	0	0	0	%100
77	M120A	X	12.316	12.316	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	12.316	12.316	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	10.077	10.077	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	10.077	10.077	0	%100
84	M193B	Z	0	0	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	0	0	0	%100
87	M57	X	10.077	10.077	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	10.077	10.077	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	0	0	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	0	0	0	%100
95	M78	X	10.426	10.426	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	10.426	10.426	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	24.333	24.333	0	%100
100	M198A	Z	0	0	0	%100
101	M199A	X	18.474	18.474	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	24.333	24.333	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	18.474	18.474	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	6.083	6.083	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	0	0	0	%100
111	M60	X	6.083	6.083	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	18.474	18.474	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	6.083	6.083	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	0	0	0	%100
117	M123	X	18.474	18.474	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	6.083	6.083	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	0	0	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	0	0	0	%100
125	M87A	X	19.146	19.146	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	19.146	19.146	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	18.138	18.138	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	0	0	0	%100
133	M64	X	19.146	19.146	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	18.138	18.138	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	19.146	19.146	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	3.446	3.446	0	%100
2	M142	Z	1.99	1.99	0	%100
3	M143A	X	1.116	1.116	0	%100
4	M143A	Z	.645	.645	0	%100
5	M144A	X	7.831	7.831	0	%100
6	M144A	Z	4.521	4.521	0	%100
7	M131	X	13.214	13.214	0	%100
8	M131	Z	7.629	7.629	0	%100
9	M132	X	13.214	13.214	0	%100
10	M132	Z	7.629	7.629	0	%100
11	M146A	X	8.555	8.555	0	%100
12	M146A	Z	4.939	4.939	0	%100
13	M147A	X	8.555	8.555	0	%100
14	M147A	Z	4.939	4.939	0	%100
15	M150	X	13.214	13.214	0	%100
16	M150	Z	7.629	7.629	0	%100
17	M151	X	13.214	13.214	0	%100
18	M151	Z	7.629	7.629	0	%100
19	M121A	X	2.497	2.497	0	%100
20	M121A	Z	1.442	1.442	0	%100
21	M137	X	9.987	9.987	0	%100
22	M137	Z	5.766	5.766	0	%100
23	M143	X	2.497	2.497	0	%100
24	M143	Z	1.442	1.442	0	%100
25	M70A	X	2.509	2.509	0	%100
26	M70A	Z	1.449	1.449	0	%100
27	M136A	X	10.036	10.036	0	%100
28	M136A	Z	5.794	5.794	0	%100
29	M138A	X	2.509	2.509	0	%100
30	M138A	Z	1.449	1.449	0	%100
31	M72A	X	9.709	9.709	0	%100
32	M72A	Z	5.605	5.605	0	%100
33	M41	X	9.709	9.709	0	%100
34	M41	Z	5.605	5.605	0	%100
35	M107	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in,°]	End Location[in,°]
36	M107	Z	0	0	0	%100
37	M74	X	2.671	2.671	0	%100
38	M74	Z	1.542	1.542	0	%100
39	M192B	X	2.671	2.671	0	%100
40	M192B	Z	1.542	1.542	0	%100
41	M54	X	2.671	2.671	0	%100
42	M54	Z	1.542	1.542	0	%100
43	M55	X	2.671	2.671	0	%100
44	M55	Z	1.542	1.542	0	%100
45	M118	X	10.685	10.685	0	%100
46	M118	Z	6.169	6.169	0	%100
47	M119	X	10.685	10.685	0	%100
48	M119	Z	6.169	6.169	0	%100
49	MP4A	X	8.29	8.29	0	%100
50	MP4A	Z	4.786	4.786	0	%100
51	MP2A	X	8.29	8.29	0	%100
52	MP2A	Z	4.786	4.786	0	%100
53	MP1A	X	8.29	8.29	0	%100
54	MP1A	Z	4.786	4.786	0	%100
55	MP3A	X	8.29	8.29	0	%100
56	MP3A	Z	4.786	4.786	0	%100
57	MP4C	X	8.29	8.29	0	%100
58	MP4C	Z	4.786	4.786	0	%100
59	MP2C	X	8.29	8.29	0	%100
60	MP2C	Z	4.786	4.786	0	%100
61	MP1C	X	8.29	8.29	0	%100
62	MP1C	Z	4.786	4.786	0	%100
63	MP3C	X	8.29	8.29	0	%100
64	MP3C	Z	4.786	4.786	0	%100
65	MP4B	X	8.29	8.29	0	%100
66	MP4B	Z	4.786	4.786	0	%100
67	MP2B	X	8.29	8.29	0	%100
68	MP2B	Z	4.786	4.786	0	%100
69	MP1B	X	8.29	8.29	0	%100
70	MP1B	Z	4.786	4.786	0	%100
71	MP3B	X	8.29	8.29	0	%100
72	MP3B	Z	4.786	4.786	0	%100
73	OVP1	X	7.167	7.167	0	%100
74	OVP1	Z	4.138	4.138	0	%100
75	M116B	X	3.555	3.555	0	%100
76	M116B	Z	2.053	2.053	0	%100
77	M120A	X	14.221	14.221	0	%100
78	M120A	Z	8.211	8.211	0	%100
79	M128A	X	3.555	3.555	0	%100
80	M128A	Z	2.053	2.053	0	%100
81	M79	X	11.636	11.636	0	%100
82	M79	Z	6.718	6.718	0	%100
83	M193B	X	2.909	2.909	0	%100
84	M193B	Z	1.679	1.679	0	%100
85	M56	X	2.909	2.909	0	%100
86	M56	Z	1.679	1.679	0	%100
87	M57	X	11.636	11.636	0	%100
88	M57	Z	6.718	6.718	0	%100
89	M120	X	2.909	2.909	0	%100
90	M120	Z	1.679	1.679	0	%100
91	M121	X	2.909	2.909	0	%100
92	M121	Z	1.679	1.679	0	%100
93	M20	X	3.01	3.01	0	%100
94	M20	Z	1.738	1.738	0	%100
95	M78	X	3.01	3.01	0	%100
96	M78	Z	1.738	1.738	0	%100
97	M106	X	12.038	12.038	0	%100
98	M106	Z	6.95	6.95	0	%100
99	M198A	X	15.805	15.805	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	9.125	9.125	0	%100
101	M199A	X	21.332	21.332	0	%100
102	M199A	Z	12.316	12.316	0	%100
103	M196B	X	15.805	15.805	0	%100
104	M196B	Z	9.125	9.125	0	%100
105	M197B	X	5.333	5.333	0	%100
106	M197B	Z	3.079	3.079	0	%100
107	M58	X	15.805	15.805	0	%100
108	M58	Z	9.125	9.125	0	%100
109	M59	X	5.333	5.333	0	%100
110	M59	Z	3.079	3.079	0	%100
111	M60	X	15.805	15.805	0	%100
112	M60	Z	9.125	9.125	0	%100
113	M61	X	21.332	21.332	0	%100
114	M61	Z	12.316	12.316	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	5.333	5.333	0	%100
118	M123	Z	3.079	3.079	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	5.333	5.333	0	%100
122	M125	Z	3.079	3.079	0	%100
123	M75	X	5.236	5.236	0	%100
124	M75	Z	3.023	3.023	0	%100
125	M87A	X	22.108	22.108	0	%100
126	M87A	Z	12.764	12.764	0	%100
127	M92	X	5.527	5.527	0	%100
128	M92	Z	3.191	3.191	0	%100
129	M62	X	5.236	5.236	0	%100
130	M62	Z	3.023	3.023	0	%100
131	M63	X	5.527	5.527	0	%100
132	M63	Z	3.191	3.191	0	%100
133	M64	X	22.108	22.108	0	%100
134	M64	Z	12.764	12.764	0	%100
135	M126A	X	20.944	20.944	0	%100
136	M126A	Z	12.092	12.092	0	%100
137	M127	X	5.527	5.527	0	%100
138	M127	Z	3.191	3.191	0	%100
139	M128	X	5.527	5.527	0	%100
140	M128	Z	3.191	3.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	.201	.201	0	%100
2	M142	Z	.348	.348	0	%100
3	M143A	X	2.928	2.928	0	%100
4	M143A	Z	5.072	5.072	0	%100
5	M144A	X	3.263	3.263	0	%100
6	M144A	Z	5.651	5.651	0	%100
7	M131	X	5.836	5.836	0	%100
8	M131	Z	10.108	10.108	0	%100
9	M132	X	5.836	5.836	0	%100
10	M132	Z	10.108	10.108	0	%100
11	M146A	X	5.836	5.836	0	%100
12	M146A	Z	10.108	10.108	0	%100
13	M147A	X	5.836	5.836	0	%100
14	M147A	Z	10.108	10.108	0	%100
15	M150	X	8.526	8.526	0	%100
16	M150	Z	14.767	14.767	0	%100
17	M151	X	8.526	8.526	0	%100
18	M151	Z	14.767	14.767	0	%100
19	M121A	X	4.325	4.325	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	7.49	7.49	0	%100
21	M137	X	4.325	4.325	0	%100
22	M137	Z	7.49	7.49	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	4.346	4.346	0	%100
26	M70A	Z	7.527	7.527	0	%100
27	M136A	X	4.346	4.346	0	%100
28	M136A	Z	7.527	7.527	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	1.868	1.868	0	%100
32	M72A	Z	3.236	3.236	0	%100
33	M41	X	7.474	7.474	0	%100
34	M41	Z	12.945	12.945	0	%100
35	M107	X	1.868	1.868	0	%100
36	M107	Z	3.236	3.236	0	%100
37	M74	X	4.627	4.627	0	%100
38	M74	Z	8.014	8.014	0	%100
39	M192B	X	4.627	4.627	0	%100
40	M192B	Z	8.014	8.014	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	4.627	4.627	0	%100
46	M118	Z	8.014	8.014	0	%100
47	M119	X	4.627	4.627	0	%100
48	M119	Z	8.014	8.014	0	%100
49	MP4A	X	4.786	4.786	0	%100
50	MP4A	Z	8.29	8.29	0	%100
51	MP2A	X	4.786	4.786	0	%100
52	MP2A	Z	8.29	8.29	0	%100
53	MP1A	X	4.786	4.786	0	%100
54	MP1A	Z	8.29	8.29	0	%100
55	MP3A	X	4.786	4.786	0	%100
56	MP3A	Z	8.29	8.29	0	%100
57	MP4C	X	4.786	4.786	0	%100
58	MP4C	Z	8.29	8.29	0	%100
59	MP2C	X	4.786	4.786	0	%100
60	MP2C	Z	8.29	8.29	0	%100
61	MP1C	X	4.786	4.786	0	%100
62	MP1C	Z	8.29	8.29	0	%100
63	MP3C	X	4.786	4.786	0	%100
64	MP3C	Z	8.29	8.29	0	%100
65	MP4B	X	4.786	4.786	0	%100
66	MP4B	Z	8.29	8.29	0	%100
67	MP2B	X	4.786	4.786	0	%100
68	MP2B	Z	8.29	8.29	0	%100
69	MP1B	X	4.786	4.786	0	%100
70	MP1B	Z	8.29	8.29	0	%100
71	MP3B	X	4.786	4.786	0	%100
72	MP3B	Z	8.29	8.29	0	%100
73	OVP1	X	4.138	4.138	0	%100
74	OVP1	Z	7.167	7.167	0	%100
75	M116B	X	6.158	6.158	0	%100
76	M116B	Z	10.666	10.666	0	%100
77	M120A	X	6.158	6.158	0	%100
78	M120A	Z	10.666	10.666	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	5.038	5.038	0	%100
82	M79	Z	8.727	8.727	0	%100
83	M193B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	0	0	0	%100
85	M56	X	5.038	5.038	0	%100
86	M56	Z	8.727	8.727	0	%100
87	M57	X	5.038	5.038	0	%100
88	M57	Z	8.727	8.727	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	5.038	5.038	0	%100
92	M121	Z	8.727	8.727	0	%100
93	M20	X	5.213	5.213	0	%100
94	M20	Z	9.029	9.029	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	5.213	5.213	0	%100
98	M106	Z	9.029	9.029	0	%100
99	M198A	X	3.042	3.042	0	%100
100	M198A	Z	5.268	5.268	0	%100
101	M199A	X	9.237	9.237	0	%100
102	M199A	Z	15.999	15.999	0	%100
103	M196B	X	3.042	3.042	0	%100
104	M196B	Z	5.268	5.268	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	12.167	12.167	0	%100
108	M58	Z	21.073	21.073	0	%100
109	M59	X	9.237	9.237	0	%100
110	M59	Z	15.999	15.999	0	%100
111	M60	X	12.167	12.167	0	%100
112	M60	Z	21.073	21.073	0	%100
113	M61	X	9.237	9.237	0	%100
114	M61	Z	15.999	15.999	0	%100
115	M122	X	3.042	3.042	0	%100
116	M122	Z	5.268	5.268	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	3.042	3.042	0	%100
120	M124	Z	5.268	5.268	0	%100
121	M125	X	9.237	9.237	0	%100
122	M125	Z	15.999	15.999	0	%100
123	M75	X	9.069	9.069	0	%100
124	M75	Z	15.708	15.708	0	%100
125	M87A	X	9.573	9.573	0	%100
126	M87A	Z	16.581	16.581	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	9.573	9.573	0	%100
132	M63	Z	16.581	16.581	0	%100
133	M64	X	9.573	9.573	0	%100
134	M64	Z	16.581	16.581	0	%100
135	M126A	X	9.069	9.069	0	%100
136	M126A	Z	15.708	15.708	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	9.573	9.573	0	%100
140	M128	Z	16.581	16.581	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	0	0	0	%100
2	M142	Z	.803	.803	0	%100
3	M143A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
4	M143A	Z	9.34	9.34	0	%100
5	M144A	X	0	0	0	%100
6	M144A	Z	2.009	2.009	0	%100
7	M131	X	0	0	0	%100
8	M131	Z	9.878	9.878	0	%100
9	M132	X	0	0	0	%100
10	M132	Z	9.878	9.878	0	%100
11	M146A	X	0	0	0	%100
12	M146A	Z	15.258	15.258	0	%100
13	M147A	X	0	0	0	%100
14	M147A	Z	15.258	15.258	0	%100
15	M150	X	0	0	0	%100
16	M150	Z	15.258	15.258	0	%100
17	M151	X	0	0	0	%100
18	M151	Z	15.258	15.258	0	%100
19	M121A	X	0	0	0	%100
20	M121A	Z	11.532	11.532	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	2.883	2.883	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	2.883	2.883	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	11.588	11.588	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	2.897	2.897	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	2.897	2.897	0	%100
31	M72A	X	0	0	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	11.211	11.211	0	%100
35	M107	X	0	0	0	%100
36	M107	Z	11.211	11.211	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	12.339	12.339	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	12.339	12.339	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	3.085	3.085	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	3.085	3.085	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	3.085	3.085	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	3.085	3.085	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	9.573	9.573	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	9.573	9.573	0	%100
53	MP1A	X	0	0	0	%100
54	MP1A	Z	9.573	9.573	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	9.573	9.573	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	9.573	9.573	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	9.573	9.573	0	%100
61	MP1C	X	0	0	0	%100
62	MP1C	Z	9.573	9.573	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	9.573	9.573	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	9.573	9.573	0	%100
67	MP2B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	9.573	9.573	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	9.573	9.573	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	9.573	9.573	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	8.276	8.276	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	16.421	16.421	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	4.105	4.105	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	4.105	4.105	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	3.359	3.359	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	3.359	3.359	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	13.436	13.436	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	3.359	3.359	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	3.359	3.359	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	13.436	13.436	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	13.901	13.901	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	3.475	3.475	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	3.475	3.475	0	%100
99	M198A	X	0	0	0	%100
100	M198A	Z	0	0	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	6.158	6.158	0	%100
103	M196B	X	0	0	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	6.158	6.158	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	18.25	18.25	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	24.632	24.632	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	18.25	18.25	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	6.158	6.158	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	18.25	18.25	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	6.158	6.158	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	18.25	18.25	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	24.632	24.632	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	24.184	24.184	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	6.382	6.382	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	6.382	6.382	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	6.046	6.046	0	%100
131	M63	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	25.528	25.528	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	6.382	6.382	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	6.046	6.046	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	6.382	6.382	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	25.528	25.528	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-2.391	-2.391	0	%100
2	M142	Z	4.141	4.141	0	%100
3	M143A	X	-4.128	-4.128	0	%100
4	M143A	Z	7.15	7.15	0	%100
5	M144A	X	-.005	-.005	0	%100
6	M144A	Z	.009	.009	0	%100
7	M131	X	-5.836	-5.836	0	%100
8	M131	Z	10.108	10.108	0	%100
9	M132	X	-5.836	-5.836	0	%100
10	M132	Z	10.108	10.108	0	%100
11	M146A	X	-8.526	-8.526	0	%100
12	M146A	Z	14.767	14.767	0	%100
13	M147A	X	-8.526	-8.526	0	%100
14	M147A	Z	14.767	14.767	0	%100
15	M150	X	-5.836	-5.836	0	%100
16	M150	Z	10.108	10.108	0	%100
17	M151	X	-5.836	-5.836	0	%100
18	M151	Z	10.108	10.108	0	%100
19	M121A	X	-4.325	-4.325	0	%100
20	M121A	Z	7.49	7.49	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	-4.325	-4.325	0	%100
24	M143	Z	7.49	7.49	0	%100
25	M70A	X	-4.346	-4.346	0	%100
26	M70A	Z	7.527	7.527	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	-4.346	-4.346	0	%100
30	M138A	Z	7.527	7.527	0	%100
31	M72A	X	-1.868	-1.868	0	%100
32	M72A	Z	3.236	3.236	0	%100
33	M41	X	-1.868	-1.868	0	%100
34	M41	Z	3.236	3.236	0	%100
35	M107	X	-7.474	-7.474	0	%100
36	M107	Z	12.945	12.945	0	%100
37	M74	X	-4.627	-4.627	0	%100
38	M74	Z	8.014	8.014	0	%100
39	M192B	X	-4.627	-4.627	0	%100
40	M192B	Z	8.014	8.014	0	%100
41	M54	X	-4.627	-4.627	0	%100
42	M54	Z	8.014	8.014	0	%100
43	M55	X	-4.627	-4.627	0	%100
44	M55	Z	8.014	8.014	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	-4.786	-4.786	0	%100
50	MP4A	Z	8.29	8.29	0	%100
51	MP2A	X	-4.786	-4.786	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
52	MP2A	Z	8.29	8.29	0	%100
53	MP1A	X	-4.786	-4.786	0	%100
54	MP1A	Z	8.29	8.29	0	%100
55	MP3A	X	-4.786	-4.786	0	%100
56	MP3A	Z	8.29	8.29	0	%100
57	MP4C	X	-4.786	-4.786	0	%100
58	MP4C	Z	8.29	8.29	0	%100
59	MP2C	X	-4.786	-4.786	0	%100
60	MP2C	Z	8.29	8.29	0	%100
61	MP1C	X	-4.786	-4.786	0	%100
62	MP1C	Z	8.29	8.29	0	%100
63	MP3C	X	-4.786	-4.786	0	%100
64	MP3C	Z	8.29	8.29	0	%100
65	MP4B	X	-4.786	-4.786	0	%100
66	MP4B	Z	8.29	8.29	0	%100
67	MP2B	X	-4.786	-4.786	0	%100
68	MP2B	Z	8.29	8.29	0	%100
69	MP1B	X	-4.786	-4.786	0	%100
70	MP1B	Z	8.29	8.29	0	%100
71	MP3B	X	-4.786	-4.786	0	%100
72	MP3B	Z	8.29	8.29	0	%100
73	OVPI	X	-4.138	-4.138	0	%100
74	OVPI	Z	7.167	7.167	0	%100
75	M116B	X	-6.158	-6.158	0	%100
76	M116B	Z	10.666	10.666	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	-6.158	-6.158	0	%100
80	M128A	Z	10.666	10.666	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	-5.038	-5.038	0	%100
84	M193B	Z	8.727	8.727	0	%100
85	M56	X	-5.038	-5.038	0	%100
86	M56	Z	8.727	8.727	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	-5.038	-5.038	0	%100
90	M120	Z	8.727	8.727	0	%100
91	M121	X	-5.038	-5.038	0	%100
92	M121	Z	8.727	8.727	0	%100
93	M20	X	-5.213	-5.213	0	%100
94	M20	Z	9.029	9.029	0	%100
95	M78	X	-5.213	-5.213	0	%100
96	M78	Z	9.029	9.029	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	-3.042	-3.042	0	%100
100	M198A	Z	5.268	5.268	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	-3.042	-3.042	0	%100
104	M196B	Z	5.268	5.268	0	%100
105	M197B	X	-9.237	-9.237	0	%100
106	M197B	Z	15.999	15.999	0	%100
107	M58	X	-3.042	-3.042	0	%100
108	M58	Z	5.268	5.268	0	%100
109	M59	X	-9.237	-9.237	0	%100
110	M59	Z	15.999	15.999	0	%100
111	M60	X	-3.042	-3.042	0	%100
112	M60	Z	5.268	5.268	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	-12.167	-12.167	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	21.073	21.073	0	%100
117	M123	X	-9.237	-9.237	0	%100
118	M123	Z	15.999	15.999	0	%100
119	M124	X	-12.167	-12.167	0	%100
120	M124	Z	21.073	21.073	0	%100
121	M125	X	-9.237	-9.237	0	%100
122	M125	Z	15.999	15.999	0	%100
123	M75	X	-9.069	-9.069	0	%100
124	M75	Z	15.708	15.708	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	-9.573	-9.573	0	%100
128	M92	Z	16.581	16.581	0	%100
129	M62	X	-9.069	-9.069	0	%100
130	M62	Z	15.708	15.708	0	%100
131	M63	X	-9.573	-9.573	0	%100
132	M63	Z	16.581	16.581	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	-9.573	-9.573	0	%100
138	M127	Z	16.581	16.581	0	%100
139	M128	X	-9.573	-9.573	0	%100
140	M128	Z	16.581	16.581	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-7.239	-7.239	0	%100
2	M142	Z	4.179	4.179	0	%100
3	M143A	X	-3.195	-3.195	0	%100
4	M143A	Z	1.845	1.845	0	%100
5	M144A	X	-2.188	-2.188	0	%100
6	M144A	Z	1.263	1.263	0	%100
7	M131	X	-13.214	-13.214	0	%100
8	M131	Z	7.629	7.629	0	%100
9	M132	X	-13.214	-13.214	0	%100
10	M132	Z	7.629	7.629	0	%100
11	M146A	X	-13.214	-13.214	0	%100
12	M146A	Z	7.629	7.629	0	%100
13	M147A	X	-13.214	-13.214	0	%100
14	M147A	Z	7.629	7.629	0	%100
15	M150	X	-8.555	-8.555	0	%100
16	M150	Z	4.939	4.939	0	%100
17	M151	X	-8.555	-8.555	0	%100
18	M151	Z	4.939	4.939	0	%100
19	M121A	X	-2.497	-2.497	0	%100
20	M121A	Z	1.442	1.442	0	%100
21	M137	X	-2.497	-2.497	0	%100
22	M137	Z	1.442	1.442	0	%100
23	M143	X	-9.987	-9.987	0	%100
24	M143	Z	5.766	5.766	0	%100
25	M70A	X	-2.509	-2.509	0	%100
26	M70A	Z	1.449	1.449	0	%100
27	M136A	X	-2.509	-2.509	0	%100
28	M136A	Z	1.449	1.449	0	%100
29	M138A	X	-10.036	-10.036	0	%100
30	M138A	Z	5.794	5.794	0	%100
31	M72A	X	-9.709	-9.709	0	%100
32	M72A	Z	5.605	5.605	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	-9.709	-9.709	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
36	M107	Z	5.605	5.605	0	%100
37	M74	X	-2.671	-2.671	0	%100
38	M74	Z	1.542	1.542	0	%100
39	M192B	X	-2.671	-2.671	0	%100
40	M192B	Z	1.542	1.542	0	%100
41	M54	X	-10.685	-10.685	0	%100
42	M54	Z	6.169	6.169	0	%100
43	M55	X	-10.685	-10.685	0	%100
44	M55	Z	6.169	6.169	0	%100
45	M118	X	-2.671	-2.671	0	%100
46	M118	Z	1.542	1.542	0	%100
47	M119	X	-2.671	-2.671	0	%100
48	M119	Z	1.542	1.542	0	%100
49	MP4A	X	-8.29	-8.29	0	%100
50	MP4A	Z	4.786	4.786	0	%100
51	MP2A	X	-8.29	-8.29	0	%100
52	MP2A	Z	4.786	4.786	0	%100
53	MP1A	X	-8.29	-8.29	0	%100
54	MP1A	Z	4.786	4.786	0	%100
55	MP3A	X	-8.29	-8.29	0	%100
56	MP3A	Z	4.786	4.786	0	%100
57	MP4C	X	-8.29	-8.29	0	%100
58	MP4C	Z	4.786	4.786	0	%100
59	MP2C	X	-8.29	-8.29	0	%100
60	MP2C	Z	4.786	4.786	0	%100
61	MP1C	X	-8.29	-8.29	0	%100
62	MP1C	Z	4.786	4.786	0	%100
63	MP3C	X	-8.29	-8.29	0	%100
64	MP3C	Z	4.786	4.786	0	%100
65	MP4B	X	-8.29	-8.29	0	%100
66	MP4B	Z	4.786	4.786	0	%100
67	MP2B	X	-8.29	-8.29	0	%100
68	MP2B	Z	4.786	4.786	0	%100
69	MP1B	X	-8.29	-8.29	0	%100
70	MP1B	Z	4.786	4.786	0	%100
71	MP3B	X	-8.29	-8.29	0	%100
72	MP3B	Z	4.786	4.786	0	%100
73	OVP1	X	-7.167	-7.167	0	%100
74	OVP1	Z	4.138	4.138	0	%100
75	M116B	X	-3.555	-3.555	0	%100
76	M116B	Z	2.053	2.053	0	%100
77	M120A	X	-3.555	-3.555	0	%100
78	M120A	Z	2.053	2.053	0	%100
79	M128A	X	-14.221	-14.221	0	%100
80	M128A	Z	8.211	8.211	0	%100
81	M79	X	-2.909	-2.909	0	%100
82	M79	Z	1.679	1.679	0	%100
83	M193B	X	-11.636	-11.636	0	%100
84	M193B	Z	6.718	6.718	0	%100
85	M56	X	-2.909	-2.909	0	%100
86	M56	Z	1.679	1.679	0	%100
87	M57	X	-2.909	-2.909	0	%100
88	M57	Z	1.679	1.679	0	%100
89	M120	X	-11.636	-11.636	0	%100
90	M120	Z	6.718	6.718	0	%100
91	M121	X	-2.909	-2.909	0	%100
92	M121	Z	1.679	1.679	0	%100
93	M20	X	-3.01	-3.01	0	%100
94	M20	Z	1.738	1.738	0	%100
95	M78	X	-12.038	-12.038	0	%100
96	M78	Z	6.95	6.95	0	%100
97	M106	X	-3.01	-3.01	0	%100
98	M106	Z	1.738	1.738	0	%100
99	M198A	X	-15.805	-15.805	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	9.125	9.125	0	%100
101	M199A	X	-5.333	-5.333	0	%100
102	M199A	Z	3.079	3.079	0	%100
103	M196B	X	-15.805	-15.805	0	%100
104	M196B	Z	9.125	9.125	0	%100
105	M197B	X	-21.332	-21.332	0	%100
106	M197B	Z	12.316	12.316	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	-5.333	-5.333	0	%100
110	M59	Z	3.079	3.079	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	-5.333	-5.333	0	%100
114	M61	Z	3.079	3.079	0	%100
115	M122	X	-15.805	-15.805	0	%100
116	M122	Z	9.125	9.125	0	%100
117	M123	X	-21.332	-21.332	0	%100
118	M123	Z	12.316	12.316	0	%100
119	M124	X	-15.805	-15.805	0	%100
120	M124	Z	9.125	9.125	0	%100
121	M125	X	-5.333	-5.333	0	%100
122	M125	Z	3.079	3.079	0	%100
123	M75	X	-5.236	-5.236	0	%100
124	M75	Z	3.023	3.023	0	%100
125	M87A	X	-5.527	-5.527	0	%100
126	M87A	Z	3.191	3.191	0	%100
127	M92	X	-22.108	-22.108	0	%100
128	M92	Z	12.764	12.764	0	%100
129	M62	X	-20.944	-20.944	0	%100
130	M62	Z	12.092	12.092	0	%100
131	M63	X	-5.527	-5.527	0	%100
132	M63	Z	3.191	3.191	0	%100
133	M64	X	-5.527	-5.527	0	%100
134	M64	Z	3.191	3.191	0	%100
135	M126A	X	-5.236	-5.236	0	%100
136	M126A	Z	3.023	3.023	0	%100
137	M127	X	-22.108	-22.108	0	%100
138	M127	Z	12.764	12.764	0	%100
139	M128	X	-5.527	-5.527	0	%100
140	M128	Z	3.191	3.191	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-7.958	-7.958	0	%100
2	M142	Z	0	0	0	%100
3	M143A	X	-.206	-.206	0	%100
4	M143A	Z	0	0	0	%100
5	M144A	X	-7.043	-7.043	0	%100
6	M144A	Z	0	0	0	%100
7	M131	X	-17.052	-17.052	0	%100
8	M131	Z	0	0	0	%100
9	M132	X	-17.052	-17.052	0	%100
10	M132	Z	0	0	0	%100
11	M146A	X	-11.672	-11.672	0	%100
12	M146A	Z	0	0	0	%100
13	M147A	X	-11.672	-11.672	0	%100
14	M147A	Z	0	0	0	%100
15	M150	X	-11.672	-11.672	0	%100
16	M150	Z	0	0	0	%100
17	M151	X	-11.672	-11.672	0	%100
18	M151	Z	0	0	0	%100
19	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	0	0	0	%100
21	M137	X	-8.649	-8.649	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	-8.649	-8.649	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	0	0	0	%100
27	M136A	X	-8.691	-8.691	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	-8.691	-8.691	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	-14.948	-14.948	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	-3.737	-3.737	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	-3.737	-3.737	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	0	0	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	0	0	0	%100
41	M54	X	-9.254	-9.254	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-9.254	-9.254	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	-9.254	-9.254	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	-9.254	-9.254	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	-9.573	-9.573	0	%100
50	MP4A	Z	0	0	0	%100
51	MP2A	X	-9.573	-9.573	0	%100
52	MP2A	Z	0	0	0	%100
53	MP1A	X	-9.573	-9.573	0	%100
54	MP1A	Z	0	0	0	%100
55	MP3A	X	-9.573	-9.573	0	%100
56	MP3A	Z	0	0	0	%100
57	MP4C	X	-9.573	-9.573	0	%100
58	MP4C	Z	0	0	0	%100
59	MP2C	X	-9.573	-9.573	0	%100
60	MP2C	Z	0	0	0	%100
61	MP1C	X	-9.573	-9.573	0	%100
62	MP1C	Z	0	0	0	%100
63	MP3C	X	-9.573	-9.573	0	%100
64	MP3C	Z	0	0	0	%100
65	MP4B	X	-9.573	-9.573	0	%100
66	MP4B	Z	0	0	0	%100
67	MP2B	X	-9.573	-9.573	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	-9.573	-9.573	0	%100
70	MP1B	Z	0	0	0	%100
71	MP3B	X	-9.573	-9.573	0	%100
72	MP3B	Z	0	0	0	%100
73	OVP1	X	-8.276	-8.276	0	%100
74	OVP1	Z	0	0	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	0	0	0	%100
77	M120A	X	-12.316	-12.316	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	-12.316	-12.316	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	-10.077	-10.077	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	-10.077	-10.077	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	0	0	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	0	0	0	%100
87	M57	X	-10.077	-10.077	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	-10.077	-10.077	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	0	0	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	0	0	0	%100
95	M78	X	-10.426	-10.426	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	-10.426	-10.426	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	-24.333	-24.333	0	%100
100	M198A	Z	0	0	0	%100
101	M199A	X	-18.474	-18.474	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	-24.333	-24.333	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	-18.474	-18.474	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	-6.083	-6.083	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	0	0	0	%100
111	M60	X	-6.083	-6.083	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	-18.474	-18.474	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	-6.083	-6.083	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-18.474	-18.474	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-6.083	-6.083	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	0	0	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	0	0	0	%100
125	M87A	X	-19.146	-19.146	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	-19.146	-19.146	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	-18.138	-18.138	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	0	0	0	%100
133	M64	X	-19.146	-19.146	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	-18.138	-18.138	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	-19.146	-19.146	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-3.446	-3.446	0	%100
2	M142	Z	-1.99	-1.99	0	%100
3	M143A	X	-1.116	-1.116	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
4	M143A	Z	-6.45	-6.45	0	%100
5	M144A	X	-7.831	-7.831	0	%100
6	M144A	Z	-4.521	-4.521	0	%100
7	M131	X	-13.214	-13.214	0	%100
8	M131	Z	-7.629	-7.629	0	%100
9	M132	X	-13.214	-13.214	0	%100
10	M132	Z	-7.629	-7.629	0	%100
11	M146A	X	-8.555	-8.555	0	%100
12	M146A	Z	-4.939	-4.939	0	%100
13	M147A	X	-8.555	-8.555	0	%100
14	M147A	Z	-4.939	-4.939	0	%100
15	M150	X	-13.214	-13.214	0	%100
16	M150	Z	-7.629	-7.629	0	%100
17	M151	X	-13.214	-13.214	0	%100
18	M151	Z	-7.629	-7.629	0	%100
19	M121A	X	-2.497	-2.497	0	%100
20	M121A	Z	-1.442	-1.442	0	%100
21	M137	X	-9.987	-9.987	0	%100
22	M137	Z	-5.766	-5.766	0	%100
23	M143	X	-2.497	-2.497	0	%100
24	M143	Z	-1.442	-1.442	0	%100
25	M70A	X	-2.509	-2.509	0	%100
26	M70A	Z	-1.449	-1.449	0	%100
27	M136A	X	-10.036	-10.036	0	%100
28	M136A	Z	-5.794	-5.794	0	%100
29	M138A	X	-2.509	-2.509	0	%100
30	M138A	Z	-1.449	-1.449	0	%100
31	M72A	X	-9.709	-9.709	0	%100
32	M72A	Z	-5.605	-5.605	0	%100
33	M41	X	-9.709	-9.709	0	%100
34	M41	Z	-5.605	-5.605	0	%100
35	M107	X	0	0	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	-2.671	-2.671	0	%100
38	M74	Z	-1.542	-1.542	0	%100
39	M192B	X	-2.671	-2.671	0	%100
40	M192B	Z	-1.542	-1.542	0	%100
41	M54	X	-2.671	-2.671	0	%100
42	M54	Z	-1.542	-1.542	0	%100
43	M55	X	-2.671	-2.671	0	%100
44	M55	Z	-1.542	-1.542	0	%100
45	M118	X	-10.685	-10.685	0	%100
46	M118	Z	-6.169	-6.169	0	%100
47	M119	X	-10.685	-10.685	0	%100
48	M119	Z	-6.169	-6.169	0	%100
49	MP4A	X	-8.29	-8.29	0	%100
50	MP4A	Z	-4.786	-4.786	0	%100
51	MP2A	X	-8.29	-8.29	0	%100
52	MP2A	Z	-4.786	-4.786	0	%100
53	MP1A	X	-8.29	-8.29	0	%100
54	MP1A	Z	-4.786	-4.786	0	%100
55	MP3A	X	-8.29	-8.29	0	%100
56	MP3A	Z	-4.786	-4.786	0	%100
57	MP4C	X	-8.29	-8.29	0	%100
58	MP4C	Z	-4.786	-4.786	0	%100
59	MP2C	X	-8.29	-8.29	0	%100
60	MP2C	Z	-4.786	-4.786	0	%100
61	MP1C	X	-8.29	-8.29	0	%100
62	MP1C	Z	-4.786	-4.786	0	%100
63	MP3C	X	-8.29	-8.29	0	%100
64	MP3C	Z	-4.786	-4.786	0	%100
65	MP4B	X	-8.29	-8.29	0	%100
66	MP4B	Z	-4.786	-4.786	0	%100
67	MP2B	X	-8.29	-8.29	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	-4.786	-4.786	0	%100
69	MP1B	X	-8.29	-8.29	0	%100
70	MP1B	Z	-4.786	-4.786	0	%100
71	MP3B	X	-8.29	-8.29	0	%100
72	MP3B	Z	-4.786	-4.786	0	%100
73	OVP1	X	-7.167	-7.167	0	%100
74	OVP1	Z	-4.138	-4.138	0	%100
75	M116B	X	-3.555	-3.555	0	%100
76	M116B	Z	-2.053	-2.053	0	%100
77	M120A	X	-14.221	-14.221	0	%100
78	M120A	Z	-8.211	-8.211	0	%100
79	M128A	X	-3.555	-3.555	0	%100
80	M128A	Z	-2.053	-2.053	0	%100
81	M79	X	-11.636	-11.636	0	%100
82	M79	Z	-6.718	-6.718	0	%100
83	M193B	X	-2.909	-2.909	0	%100
84	M193B	Z	-1.679	-1.679	0	%100
85	M56	X	-2.909	-2.909	0	%100
86	M56	Z	-1.679	-1.679	0	%100
87	M57	X	-11.636	-11.636	0	%100
88	M57	Z	-6.718	-6.718	0	%100
89	M120	X	-2.909	-2.909	0	%100
90	M120	Z	-1.679	-1.679	0	%100
91	M121	X	-2.909	-2.909	0	%100
92	M121	Z	-1.679	-1.679	0	%100
93	M20	X	-3.01	-3.01	0	%100
94	M20	Z	-1.738	-1.738	0	%100
95	M78	X	-3.01	-3.01	0	%100
96	M78	Z	-1.738	-1.738	0	%100
97	M106	X	-12.038	-12.038	0	%100
98	M106	Z	-6.95	-6.95	0	%100
99	M198A	X	-15.805	-15.805	0	%100
100	M198A	Z	-9.125	-9.125	0	%100
101	M199A	X	-21.332	-21.332	0	%100
102	M199A	Z	-12.316	-12.316	0	%100
103	M196B	X	-15.805	-15.805	0	%100
104	M196B	Z	-9.125	-9.125	0	%100
105	M197B	X	-5.333	-5.333	0	%100
106	M197B	Z	-3.079	-3.079	0	%100
107	M58	X	-15.805	-15.805	0	%100
108	M58	Z	-9.125	-9.125	0	%100
109	M59	X	-5.333	-5.333	0	%100
110	M59	Z	-3.079	-3.079	0	%100
111	M60	X	-15.805	-15.805	0	%100
112	M60	Z	-9.125	-9.125	0	%100
113	M61	X	-21.332	-21.332	0	%100
114	M61	Z	-12.316	-12.316	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-5.333	-5.333	0	%100
118	M123	Z	-3.079	-3.079	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-5.333	-5.333	0	%100
122	M125	Z	-3.079	-3.079	0	%100
123	M75	X	-5.236	-5.236	0	%100
124	M75	Z	-3.023	-3.023	0	%100
125	M87A	X	-22.108	-22.108	0	%100
126	M87A	Z	-12.764	-12.764	0	%100
127	M92	X	-5.527	-5.527	0	%100
128	M92	Z	-3.191	-3.191	0	%100
129	M62	X	-5.236	-5.236	0	%100
130	M62	Z	-3.023	-3.023	0	%100
131	M63	X	-5.527	-5.527	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	-3.191	-3.191	0	%100
133	M64	X	-22.108	-22.108	0	%100
134	M64	Z	-12.764	-12.764	0	%100
135	M126A	X	-20.944	-20.944	0	%100
136	M126A	Z	-12.092	-12.092	0	%100
137	M127	X	-5.527	-5.527	0	%100
138	M127	Z	-3.191	-3.191	0	%100
139	M128	X	-5.527	-5.527	0	%100
140	M128	Z	-3.191	-3.191	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg))

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-.201	-.201	0	%100
2	M142	Z	-.348	-.348	0	%100
3	M143A	X	-2.928	-2.928	0	%100
4	M143A	Z	-5.072	-5.072	0	%100
5	M144A	X	-3.263	-3.263	0	%100
6	M144A	Z	-5.651	-5.651	0	%100
7	M131	X	-5.836	-5.836	0	%100
8	M131	Z	-10.108	-10.108	0	%100
9	M132	X	-5.836	-5.836	0	%100
10	M132	Z	-10.108	-10.108	0	%100
11	M146A	X	-5.836	-5.836	0	%100
12	M146A	Z	-10.108	-10.108	0	%100
13	M147A	X	-5.836	-5.836	0	%100
14	M147A	Z	-10.108	-10.108	0	%100
15	M150	X	-8.526	-8.526	0	%100
16	M150	Z	-14.767	-14.767	0	%100
17	M151	X	-8.526	-8.526	0	%100
18	M151	Z	-14.767	-14.767	0	%100
19	M121A	X	-4.325	-4.325	0	%100
20	M121A	Z	-7.49	-7.49	0	%100
21	M137	X	-4.325	-4.325	0	%100
22	M137	Z	-7.49	-7.49	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	-4.346	-4.346	0	%100
26	M70A	Z	-7.527	-7.527	0	%100
27	M136A	X	-4.346	-4.346	0	%100
28	M136A	Z	-7.527	-7.527	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	-1.868	-1.868	0	%100
32	M72A	Z	-3.236	-3.236	0	%100
33	M41	X	-7.474	-7.474	0	%100
34	M41	Z	-12.945	-12.945	0	%100
35	M107	X	-1.868	-1.868	0	%100
36	M107	Z	-3.236	-3.236	0	%100
37	M74	X	-4.627	-4.627	0	%100
38	M74	Z	-8.014	-8.014	0	%100
39	M192B	X	-4.627	-4.627	0	%100
40	M192B	Z	-8.014	-8.014	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	-4.627	-4.627	0	%100
46	M118	Z	-8.014	-8.014	0	%100
47	M119	X	-4.627	-4.627	0	%100
48	M119	Z	-8.014	-8.014	0	%100
49	MP4A	X	-4.786	-4.786	0	%100
50	MP4A	Z	-8.29	-8.29	0	%100
51	MP2A	X	-4.786	-4.786	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
52	MP2A	Z	-8.29	-8.29	0	%100
53	MP1A	X	-4.786	-4.786	0	%100
54	MP1A	Z	-8.29	-8.29	0	%100
55	MP3A	X	-4.786	-4.786	0	%100
56	MP3A	Z	-8.29	-8.29	0	%100
57	MP4C	X	-4.786	-4.786	0	%100
58	MP4C	Z	-8.29	-8.29	0	%100
59	MP2C	X	-4.786	-4.786	0	%100
60	MP2C	Z	-8.29	-8.29	0	%100
61	MP1C	X	-4.786	-4.786	0	%100
62	MP1C	Z	-8.29	-8.29	0	%100
63	MP3C	X	-4.786	-4.786	0	%100
64	MP3C	Z	-8.29	-8.29	0	%100
65	MP4B	X	-4.786	-4.786	0	%100
66	MP4B	Z	-8.29	-8.29	0	%100
67	MP2B	X	-4.786	-4.786	0	%100
68	MP2B	Z	-8.29	-8.29	0	%100
69	MP1B	X	-4.786	-4.786	0	%100
70	MP1B	Z	-8.29	-8.29	0	%100
71	MP3B	X	-4.786	-4.786	0	%100
72	MP3B	Z	-8.29	-8.29	0	%100
73	OVPI	X	-4.138	-4.138	0	%100
74	OVPI	Z	-7.167	-7.167	0	%100
75	M116B	X	-6.158	-6.158	0	%100
76	M116B	Z	-10.666	-10.666	0	%100
77	M120A	X	-6.158	-6.158	0	%100
78	M120A	Z	-10.666	-10.666	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	-5.038	-5.038	0	%100
82	M79	Z	-8.727	-8.727	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	0	0	0	%100
85	M56	X	-5.038	-5.038	0	%100
86	M56	Z	-8.727	-8.727	0	%100
87	M57	X	-5.038	-5.038	0	%100
88	M57	Z	-8.727	-8.727	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	-5.038	-5.038	0	%100
92	M121	Z	-8.727	-8.727	0	%100
93	M20	X	-5.213	-5.213	0	%100
94	M20	Z	-9.029	-9.029	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	-5.213	-5.213	0	%100
98	M106	Z	-9.029	-9.029	0	%100
99	M198A	X	-3.042	-3.042	0	%100
100	M198A	Z	-5.268	-5.268	0	%100
101	M199A	X	-9.237	-9.237	0	%100
102	M199A	Z	-15.999	-15.999	0	%100
103	M196B	X	-3.042	-3.042	0	%100
104	M196B	Z	-5.268	-5.268	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	-12.167	-12.167	0	%100
108	M58	Z	-21.073	-21.073	0	%100
109	M59	X	-9.237	-9.237	0	%100
110	M59	Z	-15.999	-15.999	0	%100
111	M60	X	-12.167	-12.167	0	%100
112	M60	Z	-21.073	-21.073	0	%100
113	M61	X	-9.237	-9.237	0	%100
114	M61	Z	-15.999	-15.999	0	%100
115	M122	X	-3.042	-3.042	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	-5.268	-5.268	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-3.042	-3.042	0	%100
120	M124	Z	-5.268	-5.268	0	%100
121	M125	X	-9.237	-9.237	0	%100
122	M125	Z	-15.999	-15.999	0	%100
123	M75	X	-9.069	-9.069	0	%100
124	M75	Z	-15.708	-15.708	0	%100
125	M87A	X	-9.573	-9.573	0	%100
126	M87A	Z	-16.581	-16.581	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	-9.573	-9.573	0	%100
132	M63	Z	-16.581	-16.581	0	%100
133	M64	X	-9.573	-9.573	0	%100
134	M64	Z	-16.581	-16.581	0	%100
135	M126A	X	-9.069	-9.069	0	%100
136	M126A	Z	-15.708	-15.708	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	-9.573	-9.573	0	%100
140	M128	Z	-16.581	-16.581	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	0	0	0	%100
2	M142	Z	-.286	-.286	0	%100
3	M143A	X	0	0	0	%100
4	M143A	Z	-3.313	-3.313	0	%100
5	M144A	X	0	0	0	%100
6	M144A	Z	-.716	-.716	0	%100
7	M131	X	0	0	0	%100
8	M131	Z	-2.661	-2.661	0	%100
9	M132	X	0	0	0	%100
10	M132	Z	-2.661	-2.661	0	%100
11	M146A	X	0	0	0	%100
12	M146A	Z	-4.11	-4.11	0	%100
13	M147A	X	0	0	0	%100
14	M147A	Z	-4.11	-4.11	0	%100
15	M150	X	0	0	0	%100
16	M150	Z	-4.11	-4.11	0	%100
17	M151	X	0	0	0	%100
18	M151	Z	-4.11	-4.11	0	%100
19	M121A	X	0	0	0	%100
20	M121A	Z	-3.183	-3.183	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	-.796	-.796	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	-.796	-.796	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	-3.753	-3.753	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	-.938	-.938	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	-.938	-.938	0	%100
31	M72A	X	0	0	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	-3.267	-3.267	0	%100
35	M107	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
36	M107	Z	-3.267	-3.267	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	-3.539	-3.539	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	-3.539	-3.539	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-0.885	-0.885	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-0.885	-0.885	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	-0.885	-0.885	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	-0.885	-0.885	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	-3.391	-3.391	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-3.391	-3.391	0	%100
53	MP1A	X	0	0	0	%100
54	MP1A	Z	-3.391	-3.391	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	-3.391	-3.391	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	-3.391	-3.391	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-3.391	-3.391	0	%100
61	MP1C	X	0	0	0	%100
62	MP1C	Z	-3.391	-3.391	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	-3.391	-3.391	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	-3.391	-3.391	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-3.391	-3.391	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-3.391	-3.391	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	-3.391	-3.391	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	-2.947	-2.947	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	-4.088	-4.088	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	-1.022	-1.022	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	-1.022	-1.022	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	-1.013	-1.013	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	-1.013	-1.013	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	-4.053	-4.053	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	-1.013	-1.013	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	-1.013	-1.013	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	-4.053	-4.053	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	-4.205	-4.205	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	-1.051	-1.051	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	-1.051	-1.051	0	%100
99	M198A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	0	0	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	-1.35	-1.35	0	%100
103	M196B	X	0	0	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	-1.35	-1.35	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	-4.008	-4.008	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	-5.398	-5.398	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	-4.008	-4.008	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	-1.35	-1.35	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-4.008	-4.008	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-1.35	-1.35	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	-4.008	-4.008	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	-5.398	-5.398	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	-5.416	-5.416	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	-1.39	-1.39	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	-1.39	-1.39	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	-1.354	-1.354	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	-5.559	-5.559	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	-1.39	-1.39	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	-1.354	-1.354	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	-1.39	-1.39	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	-5.559	-5.559	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	.852	.852	0	%100
2	M142	Z	-1.475	-1.475	0	%100
3	M143A	X	1.464	1.464	0	%100
4	M143A	Z	-2.537	-2.537	0	%100
5	M144A	X	.002	.002	0	%100
6	M144A	Z	-.003	-.003	0	%100
7	M131	X	1.572	1.572	0	%100
8	M131	Z	-2.723	-2.723	0	%100
9	M132	X	1.572	1.572	0	%100
10	M132	Z	-2.723	-2.723	0	%100
11	M146A	X	2.297	2.297	0	%100
12	M146A	Z	-3.978	-3.978	0	%100
13	M147A	X	2.297	2.297	0	%100
14	M147A	Z	-3.978	-3.978	0	%100
15	M150	X	1.572	1.572	0	%100
16	M150	Z	-2.723	-2.723	0	%100
17	M151	X	1.572	1.572	0	%100
18	M151	Z	-2.723	-2.723	0	%100
19	M121A	X	1.194	1.194	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	-2.068	-2.068	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	1.194	1.194	0	%100
24	M143	Z	-2.068	-2.068	0	%100
25	M70A	X	1.407	1.407	0	%100
26	M70A	Z	-2.438	-2.438	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	1.407	1.407	0	%100
30	M138A	Z	-2.438	-2.438	0	%100
31	M72A	X	.545	.545	0	%100
32	M72A	Z	-.943	-.943	0	%100
33	M41	X	.545	.545	0	%100
34	M41	Z	-.943	-.943	0	%100
35	M107	X	2.178	2.178	0	%100
36	M107	Z	-3.773	-3.773	0	%100
37	M74	X	1.327	1.327	0	%100
38	M74	Z	-2.299	-2.299	0	%100
39	M192B	X	1.327	1.327	0	%100
40	M192B	Z	-2.299	-2.299	0	%100
41	M54	X	1.327	1.327	0	%100
42	M54	Z	-2.299	-2.299	0	%100
43	M55	X	1.327	1.327	0	%100
44	M55	Z	-2.299	-2.299	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	1.696	1.696	0	%100
50	MP4A	Z	-2.937	-2.937	0	%100
51	MP2A	X	1.696	1.696	0	%100
52	MP2A	Z	-2.937	-2.937	0	%100
53	MP1A	X	1.696	1.696	0	%100
54	MP1A	Z	-2.937	-2.937	0	%100
55	MP3A	X	1.696	1.696	0	%100
56	MP3A	Z	-2.937	-2.937	0	%100
57	MP4C	X	1.696	1.696	0	%100
58	MP4C	Z	-2.937	-2.937	0	%100
59	MP2C	X	1.696	1.696	0	%100
60	MP2C	Z	-2.937	-2.937	0	%100
61	MP1C	X	1.696	1.696	0	%100
62	MP1C	Z	-2.937	-2.937	0	%100
63	MP3C	X	1.696	1.696	0	%100
64	MP3C	Z	-2.937	-2.937	0	%100
65	MP4B	X	1.696	1.696	0	%100
66	MP4B	Z	-2.937	-2.937	0	%100
67	MP2B	X	1.696	1.696	0	%100
68	MP2B	Z	-2.937	-2.937	0	%100
69	MP1B	X	1.696	1.696	0	%100
70	MP1B	Z	-2.937	-2.937	0	%100
71	MP3B	X	1.696	1.696	0	%100
72	MP3B	Z	-2.937	-2.937	0	%100
73	OVP1	X	1.473	1.473	0	%100
74	OVP1	Z	-2.552	-2.552	0	%100
75	M116B	X	1.533	1.533	0	%100
76	M116B	Z	-2.655	-2.655	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	1.533	1.533	0	%100
80	M128A	Z	-2.655	-2.655	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	1.52	1.52	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	-2.633	-2.633	0	%100
85	M56	X	1.52	1.52	0	%100
86	M56	Z	-2.633	-2.633	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	1.52	1.52	0	%100
90	M120	Z	-2.633	-2.633	0	%100
91	M121	X	1.52	1.52	0	%100
92	M121	Z	-2.633	-2.633	0	%100
93	M20	X	1.577	1.577	0	%100
94	M20	Z	-2.731	-2.731	0	%100
95	M78	X	1.577	1.577	0	%100
96	M78	Z	-2.731	-2.731	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	.668	.668	0	%100
100	M198A	Z	-1.157	-1.157	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	.668	.668	0	%100
104	M196B	Z	-1.157	-1.157	0	%100
105	M197B	X	2.024	2.024	0	%100
106	M197B	Z	-3.506	-3.506	0	%100
107	M58	X	.668	.668	0	%100
108	M58	Z	-1.157	-1.157	0	%100
109	M59	X	2.024	2.024	0	%100
110	M59	Z	-3.506	-3.506	0	%100
111	M60	X	.668	.668	0	%100
112	M60	Z	-1.157	-1.157	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	2.672	2.672	0	%100
116	M122	Z	-4.629	-4.629	0	%100
117	M123	X	2.024	2.024	0	%100
118	M123	Z	-3.506	-3.506	0	%100
119	M124	X	2.672	2.672	0	%100
120	M124	Z	-4.629	-4.629	0	%100
121	M125	X	2.024	2.024	0	%100
122	M125	Z	-3.506	-3.506	0	%100
123	M75	X	2.031	2.031	0	%100
124	M75	Z	-3.518	-3.518	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	2.085	2.085	0	%100
128	M92	Z	-3.611	-3.611	0	%100
129	M62	X	2.031	2.031	0	%100
130	M62	Z	-3.518	-3.518	0	%100
131	M63	X	2.085	2.085	0	%100
132	M63	Z	-3.611	-3.611	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	2.085	2.085	0	%100
138	M127	Z	-3.611	-3.611	0	%100
139	M128	X	2.085	2.085	0	%100
140	M128	Z	-3.611	-3.611	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	2.579	2.579	0	%100
2	M142	Z	-1.489	-1.489	0	%100
3	M143A	X	1.133	1.133	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
4	M143A	Z	-.654	-.654	0	%100
5	M144A	X	.78	.78	0	%100
6	M144A	Z	-.45	-.45	0	%100
7	M131	X	3.56	3.56	0	%100
8	M131	Z	-2.055	-2.055	0	%100
9	M132	X	3.56	3.56	0	%100
10	M132	Z	-2.055	-2.055	0	%100
11	M146A	X	3.56	3.56	0	%100
12	M146A	Z	-2.055	-2.055	0	%100
13	M147A	X	3.56	3.56	0	%100
14	M147A	Z	-2.055	-2.055	0	%100
15	M150	X	2.305	2.305	0	%100
16	M150	Z	-1.331	-1.331	0	%100
17	M151	X	2.305	2.305	0	%100
18	M151	Z	-1.331	-1.331	0	%100
19	M121A	X	.689	.689	0	%100
20	M121A	Z	-.398	-.398	0	%100
21	M137	X	.689	.689	0	%100
22	M137	Z	-.398	-.398	0	%100
23	M143	X	2.757	2.757	0	%100
24	M143	Z	-1.592	-1.592	0	%100
25	M70A	X	.813	.813	0	%100
26	M70A	Z	-.469	-.469	0	%100
27	M136A	X	.813	.813	0	%100
28	M136A	Z	-.469	-.469	0	%100
29	M138A	X	3.25	3.25	0	%100
30	M138A	Z	-1.877	-1.877	0	%100
31	M72A	X	2.829	2.829	0	%100
32	M72A	Z	-1.634	-1.634	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	2.829	2.829	0	%100
36	M107	Z	-1.634	-1.634	0	%100
37	M74	X	.766	.766	0	%100
38	M74	Z	-.442	-.442	0	%100
39	M192B	X	.766	.766	0	%100
40	M192B	Z	-.442	-.442	0	%100
41	M54	X	3.065	3.065	0	%100
42	M54	Z	-1.77	-1.77	0	%100
43	M55	X	3.065	3.065	0	%100
44	M55	Z	-1.77	-1.77	0	%100
45	M118	X	.766	.766	0	%100
46	M118	Z	-.442	-.442	0	%100
47	M119	X	.766	.766	0	%100
48	M119	Z	-.442	-.442	0	%100
49	MP4A	X	2.937	2.937	0	%100
50	MP4A	Z	-1.696	-1.696	0	%100
51	MP2A	X	2.937	2.937	0	%100
52	MP2A	Z	-1.696	-1.696	0	%100
53	MP1A	X	2.937	2.937	0	%100
54	MP1A	Z	-1.696	-1.696	0	%100
55	MP3A	X	2.937	2.937	0	%100
56	MP3A	Z	-1.696	-1.696	0	%100
57	MP4C	X	2.937	2.937	0	%100
58	MP4C	Z	-1.696	-1.696	0	%100
59	MP2C	X	2.937	2.937	0	%100
60	MP2C	Z	-1.696	-1.696	0	%100
61	MP1C	X	2.937	2.937	0	%100
62	MP1C	Z	-1.696	-1.696	0	%100
63	MP3C	X	2.937	2.937	0	%100
64	MP3C	Z	-1.696	-1.696	0	%100
65	MP4B	X	2.937	2.937	0	%100
66	MP4B	Z	-1.696	-1.696	0	%100
67	MP2B	X	2.937	2.937	0	%100

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

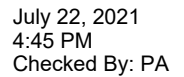
	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	-1.696	-1.696	0	%100
69	MP1B	X	2.937	2.937	0	%100
70	MP1B	Z	-1.696	-1.696	0	%100
71	MP3B	X	2.937	2.937	0	%100
72	MP3B	Z	-1.696	-1.696	0	%100
73	OVP1	X	2.552	2.552	0	%100
74	OVP1	Z	-1.473	-1.473	0	%100
75	M116B	X	.885	.885	0	%100
76	M116B	Z	-.511	-.511	0	%100
77	M120A	X	.885	.885	0	%100
78	M120A	Z	-.511	-.511	0	%100
79	M128A	X	3.54	3.54	0	%100
80	M128A	Z	-2.044	-2.044	0	%100
81	M79	X	.878	.878	0	%100
82	M79	Z	-.507	-.507	0	%100
83	M193B	X	3.51	3.51	0	%100
84	M193B	Z	-2.027	-2.027	0	%100
85	M56	X	.878	.878	0	%100
86	M56	Z	-.507	-.507	0	%100
87	M57	X	.878	.878	0	%100
88	M57	Z	-.507	-.507	0	%100
89	M120	X	3.51	3.51	0	%100
90	M120	Z	-2.027	-2.027	0	%100
91	M121	X	.878	.878	0	%100
92	M121	Z	-.507	-.507	0	%100
93	M20	X	.91	.91	0	%100
94	M20	Z	-.526	-.526	0	%100
95	M78	X	3.642	3.642	0	%100
96	M78	Z	-2.103	-2.103	0	%100
97	M106	X	.91	.91	0	%100
98	M106	Z	-.526	-.526	0	%100
99	M198A	X	3.471	3.471	0	%100
100	M198A	Z	-2.004	-2.004	0	%100
101	M199A	X	1.169	1.169	0	%100
102	M199A	Z	-.675	-.675	0	%100
103	M196B	X	3.471	3.471	0	%100
104	M196B	Z	-2.004	-2.004	0	%100
105	M197B	X	4.675	4.675	0	%100
106	M197B	Z	-2.699	-2.699	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	1.169	1.169	0	%100
110	M59	Z	-.675	-.675	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	1.169	1.169	0	%100
114	M61	Z	-.675	-.675	0	%100
115	M122	X	3.471	3.471	0	%100
116	M122	Z	-2.004	-2.004	0	%100
117	M123	X	4.675	4.675	0	%100
118	M123	Z	-2.699	-2.699	0	%100
119	M124	X	3.471	3.471	0	%100
120	M124	Z	-2.004	-2.004	0	%100
121	M125	X	1.169	1.169	0	%100
122	M125	Z	-.675	-.675	0	%100
123	M75	X	1.173	1.173	0	%100
124	M75	Z	-.677	-.677	0	%100
125	M87A	X	1.204	1.204	0	%100
126	M87A	Z	-.695	-.695	0	%100
127	M92	X	4.814	4.814	0	%100
128	M92	Z	-2.779	-2.779	0	%100
129	M62	X	4.691	4.691	0	%100
130	M62	Z	-2.708	-2.708	0	%100
131	M63	X	1.204	1.204	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	-695	-695	0	%100
133	M64	X	1.204	1.204	0	%100
134	M64	Z	-695	-695	0	%100
135	M126A	X	1.173	1.173	0	%100
136	M126A	Z	-677	-677	0	%100
137	M127	X	4.814	4.814	0	%100
138	M127	Z	-2.779	-2.779	0	%100
139	M128	X	1.204	1.204	0	%100
140	M128	Z	-695	-695	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	2.835	2.835	0	%100
2	M142	Z	0	0	0	%100
3	M143A	X	.073	.073	0	%100
4	M143A	Z	0	0	0	%100
5	M144A	X	2.51	2.51	0	%100
6	M144A	Z	0	0	0	%100
7	M131	X	4.594	4.594	0	%100
8	M131	Z	0	0	0	%100
9	M132	X	4.594	4.594	0	%100
10	M132	Z	0	0	0	%100
11	M146A	X	3.144	3.144	0	%100
12	M146A	Z	0	0	0	%100
13	M147A	X	3.144	3.144	0	%100
14	M147A	Z	0	0	0	%100
15	M150	X	3.144	3.144	0	%100
16	M150	Z	0	0	0	%100
17	M151	X	3.144	3.144	0	%100
18	M151	Z	0	0	0	%100
19	M121A	X	0	0	0	%100
20	M121A	Z	0	0	0	%100
21	M137	X	2.387	2.387	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	2.387	2.387	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	0	0	0	%100
27	M136A	X	2.815	2.815	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	2.815	2.815	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	4.356	4.356	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	1.089	1.089	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	1.089	1.089	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	0	0	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	0	0	0	%100
41	M54	X	2.654	2.654	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	2.654	2.654	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	2.654	2.654	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	2.654	2.654	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	3.391	3.391	0	%100
50	MP4A	Z	0	0	0	%100
51	MP2A	X	3.391	3.391	0	%100



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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	0	0	0	%100
117	M123	X	4.049	4.049	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	1.336	1.336	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	0	0	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	0	0	0	%100
125	M87A	X	4.169	4.169	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	4.169	4.169	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	4.062	4.062	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	0	0	0	%100
133	M64	X	4.169	4.169	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	4.062	4.062	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	4.169	4.169	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	1.228	1.228	0	%100
2	M142	Z	.709	.709	0	%100
3	M143A	X	.396	.396	0	%100
4	M143A	Z	.229	.229	0	%100
5	M144A	X	2.79	2.79	0	%100
6	M144A	Z	1.611	1.611	0	%100
7	M131	X	3.56	3.56	0	%100
8	M131	Z	2.055	2.055	0	%100
9	M132	X	3.56	3.56	0	%100
10	M132	Z	2.055	2.055	0	%100
11	M146A	X	2.305	2.305	0	%100
12	M146A	Z	1.331	1.331	0	%100
13	M147A	X	2.305	2.305	0	%100
14	M147A	Z	1.331	1.331	0	%100
15	M150	X	3.56	3.56	0	%100
16	M150	Z	2.055	2.055	0	%100
17	M151	X	3.56	3.56	0	%100
18	M151	Z	2.055	2.055	0	%100
19	M121A	X	.689	.689	0	%100
20	M121A	Z	.398	.398	0	%100
21	M137	X	2.757	2.757	0	%100
22	M137	Z	1.592	1.592	0	%100
23	M143	X	.689	.689	0	%100
24	M143	Z	.398	.398	0	%100
25	M70A	X	.813	.813	0	%100
26	M70A	Z	.469	.469	0	%100
27	M136A	X	3.25	3.25	0	%100
28	M136A	Z	1.877	1.877	0	%100
29	M138A	X	.813	.813	0	%100
30	M138A	Z	.469	.469	0	%100
31	M72A	X	2.829	2.829	0	%100
32	M72A	Z	1.634	1.634	0	%100
33	M41	X	2.829	2.829	0	%100
34	M41	Z	1.634	1.634	0	%100
35	M107	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
36	M107	Z	0	0	0	%100
37	M74	X	.766	.766	0	%100
38	M74	Z	.442	.442	0	%100
39	M192B	X	.766	.766	0	%100
40	M192B	Z	.442	.442	0	%100
41	M54	X	.766	.766	0	%100
42	M54	Z	.442	.442	0	%100
43	M55	X	.766	.766	0	%100
44	M55	Z	.442	.442	0	%100
45	M118	X	3.065	3.065	0	%100
46	M118	Z	1.77	1.77	0	%100
47	M119	X	3.065	3.065	0	%100
48	M119	Z	1.77	1.77	0	%100
49	MP4A	X	2.937	2.937	0	%100
50	MP4A	Z	1.696	1.696	0	%100
51	MP2A	X	2.937	2.937	0	%100
52	MP2A	Z	1.696	1.696	0	%100
53	MP1A	X	2.937	2.937	0	%100
54	MP1A	Z	1.696	1.696	0	%100
55	MP3A	X	2.937	2.937	0	%100
56	MP3A	Z	1.696	1.696	0	%100
57	MP4C	X	2.937	2.937	0	%100
58	MP4C	Z	1.696	1.696	0	%100
59	MP2C	X	2.937	2.937	0	%100
60	MP2C	Z	1.696	1.696	0	%100
61	MP1C	X	2.937	2.937	0	%100
62	MP1C	Z	1.696	1.696	0	%100
63	MP3C	X	2.937	2.937	0	%100
64	MP3C	Z	1.696	1.696	0	%100
65	MP4B	X	2.937	2.937	0	%100
66	MP4B	Z	1.696	1.696	0	%100
67	MP2B	X	2.937	2.937	0	%100
68	MP2B	Z	1.696	1.696	0	%100
69	MP1B	X	2.937	2.937	0	%100
70	MP1B	Z	1.696	1.696	0	%100
71	MP3B	X	2.937	2.937	0	%100
72	MP3B	Z	1.696	1.696	0	%100
73	OVP1	X	2.552	2.552	0	%100
74	OVP1	Z	1.473	1.473	0	%100
75	M116B	X	.885	.885	0	%100
76	M116B	Z	.511	.511	0	%100
77	M120A	X	3.54	3.54	0	%100
78	M120A	Z	2.044	2.044	0	%100
79	M128A	X	.885	.885	0	%100
80	M128A	Z	.511	.511	0	%100
81	M79	X	3.51	3.51	0	%100
82	M79	Z	2.027	2.027	0	%100
83	M193B	X	.878	.878	0	%100
84	M193B	Z	.507	.507	0	%100
85	M56	X	.878	.878	0	%100
86	M56	Z	.507	.507	0	%100
87	M57	X	3.51	3.51	0	%100
88	M57	Z	2.027	2.027	0	%100
89	M120	X	.878	.878	0	%100
90	M120	Z	.507	.507	0	%100
91	M121	X	.878	.878	0	%100
92	M121	Z	.507	.507	0	%100
93	M20	X	.91	.91	0	%100
94	M20	Z	.526	.526	0	%100
95	M78	X	.91	.91	0	%100
96	M78	Z	.526	.526	0	%100
97	M106	X	3.642	3.642	0	%100
98	M106	Z	2.103	2.103	0	%100
99	M198A	X	3.471	3.471	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	2.004	2.004	0	%100
101	M199A	X	4.675	4.675	0	%100
102	M199A	Z	2.699	2.699	0	%100
103	M196B	X	3.471	3.471	0	%100
104	M196B	Z	2.004	2.004	0	%100
105	M197B	X	1.169	1.169	0	%100
106	M197B	Z	.675	.675	0	%100
107	M58	X	3.471	3.471	0	%100
108	M58	Z	2.004	2.004	0	%100
109	M59	X	1.169	1.169	0	%100
110	M59	Z	.675	.675	0	%100
111	M60	X	3.471	3.471	0	%100
112	M60	Z	2.004	2.004	0	%100
113	M61	X	4.675	4.675	0	%100
114	M61	Z	2.699	2.699	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	1.169	1.169	0	%100
118	M123	Z	.675	.675	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	1.169	1.169	0	%100
122	M125	Z	.675	.675	0	%100
123	M75	X	1.173	1.173	0	%100
124	M75	Z	.677	.677	0	%100
125	M87A	X	4.814	4.814	0	%100
126	M87A	Z	2.779	2.779	0	%100
127	M92	X	1.204	1.204	0	%100
128	M92	Z	.695	.695	0	%100
129	M62	X	1.173	1.173	0	%100
130	M62	Z	.677	.677	0	%100
131	M63	X	1.204	1.204	0	%100
132	M63	Z	.695	.695	0	%100
133	M64	X	4.814	4.814	0	%100
134	M64	Z	2.779	2.779	0	%100
135	M126A	X	4.691	4.691	0	%100
136	M126A	Z	2.708	2.708	0	%100
137	M127	X	1.204	1.204	0	%100
138	M127	Z	.695	.695	0	%100
139	M128	X	1.204	1.204	0	%100
140	M128	Z	.695	.695	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	.072	.072	0	%100
2	M142	Z	.124	.124	0	%100
3	M143A	X	1.039	1.039	0	%100
4	M143A	Z	1.799	1.799	0	%100
5	M144A	X	1.163	1.163	0	%100
6	M144A	Z	2.014	2.014	0	%100
7	M131	X	1.572	1.572	0	%100
8	M131	Z	2.723	2.723	0	%100
9	M132	X	1.572	1.572	0	%100
10	M132	Z	2.723	2.723	0	%100
11	M146A	X	1.572	1.572	0	%100
12	M146A	Z	2.723	2.723	0	%100
13	M147A	X	1.572	1.572	0	%100
14	M147A	Z	2.723	2.723	0	%100
15	M150	X	2.297	2.297	0	%100
16	M150	Z	3.978	3.978	0	%100
17	M151	X	2.297	2.297	0	%100
18	M151	Z	3.978	3.978	0	%100
19	M121A	X	1.194	1.194	0	%100

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

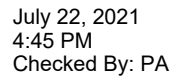
	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	2.068	2.068	0	%100
21	M137	X	1.194	1.194	0	%100
22	M137	Z	2.068	2.068	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	1.407	1.407	0	%100
26	M70A	Z	2.438	2.438	0	%100
27	M136A	X	1.407	1.407	0	%100
28	M136A	Z	2.438	2.438	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	.545	.545	0	%100
32	M72A	Z	.943	.943	0	%100
33	M41	X	2.178	2.178	0	%100
34	M41	Z	3.773	3.773	0	%100
35	M107	X	.545	.545	0	%100
36	M107	Z	.943	.943	0	%100
37	M74	X	1.327	1.327	0	%100
38	M74	Z	2.299	2.299	0	%100
39	M192B	X	1.327	1.327	0	%100
40	M192B	Z	2.299	2.299	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	1.327	1.327	0	%100
46	M118	Z	2.299	2.299	0	%100
47	M119	X	1.327	1.327	0	%100
48	M119	Z	2.299	2.299	0	%100
49	MP4A	X	1.696	1.696	0	%100
50	MP4A	Z	2.937	2.937	0	%100
51	MP2A	X	1.696	1.696	0	%100
52	MP2A	Z	2.937	2.937	0	%100
53	MP1A	X	1.696	1.696	0	%100
54	MP1A	Z	2.937	2.937	0	%100
55	MP3A	X	1.696	1.696	0	%100
56	MP3A	Z	2.937	2.937	0	%100
57	MP4C	X	1.696	1.696	0	%100
58	MP4C	Z	2.937	2.937	0	%100
59	MP2C	X	1.696	1.696	0	%100
60	MP2C	Z	2.937	2.937	0	%100
61	MP1C	X	1.696	1.696	0	%100
62	MP1C	Z	2.937	2.937	0	%100
63	MP3C	X	1.696	1.696	0	%100
64	MP3C	Z	2.937	2.937	0	%100
65	MP4B	X	1.696	1.696	0	%100
66	MP4B	Z	2.937	2.937	0	%100
67	MP2B	X	1.696	1.696	0	%100
68	MP2B	Z	2.937	2.937	0	%100
69	MP1B	X	1.696	1.696	0	%100
70	MP1B	Z	2.937	2.937	0	%100
71	MP3B	X	1.696	1.696	0	%100
72	MP3B	Z	2.937	2.937	0	%100
73	OVP1	X	1.473	1.473	0	%100
74	OVP1	Z	2.552	2.552	0	%100
75	M116B	X	1.533	1.533	0	%100
76	M116B	Z	2.655	2.655	0	%100
77	M120A	X	1.533	1.533	0	%100
78	M120A	Z	2.655	2.655	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	1.52	1.52	0	%100
82	M79	Z	2.633	2.633	0	%100
83	M193B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	0	0	0	%100
85	M56	X	1.52	1.52	0	%100
86	M56	Z	2.633	2.633	0	%100
87	M57	X	1.52	1.52	0	%100
88	M57	Z	2.633	2.633	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	1.52	1.52	0	%100
92	M121	Z	2.633	2.633	0	%100
93	M20	X	1.577	1.577	0	%100
94	M20	Z	2.731	2.731	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	1.577	1.577	0	%100
98	M106	Z	2.731	2.731	0	%100
99	M198A	X	.668	.668	0	%100
100	M198A	Z	1.157	1.157	0	%100
101	M199A	X	2.024	2.024	0	%100
102	M199A	Z	3.506	3.506	0	%100
103	M196B	X	.668	.668	0	%100
104	M196B	Z	1.157	1.157	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	2.672	2.672	0	%100
108	M58	Z	4.629	4.629	0	%100
109	M59	X	2.024	2.024	0	%100
110	M59	Z	3.506	3.506	0	%100
111	M60	X	2.672	2.672	0	%100
112	M60	Z	4.629	4.629	0	%100
113	M61	X	2.024	2.024	0	%100
114	M61	Z	3.506	3.506	0	%100
115	M122	X	.668	.668	0	%100
116	M122	Z	1.157	1.157	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	.668	.668	0	%100
120	M124	Z	1.157	1.157	0	%100
121	M125	X	2.024	2.024	0	%100
122	M125	Z	3.506	3.506	0	%100
123	M75	X	2.031	2.031	0	%100
124	M75	Z	3.518	3.518	0	%100
125	M87A	X	2.085	2.085	0	%100
126	M87A	Z	3.611	3.611	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	2.085	2.085	0	%100
132	M63	Z	3.611	3.611	0	%100
133	M64	X	2.085	2.085	0	%100
134	M64	Z	3.611	3.611	0	%100
135	M126A	X	2.031	2.031	0	%100
136	M126A	Z	3.518	3.518	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	2.085	2.085	0	%100
140	M128	Z	3.611	3.611	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	0	0	0	%100
2	M142	Z	.286	.286	0	%100
3	M143A	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	3.391	3.391	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	3.391	3.391	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	3.391	3.391	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	2.947	2.947	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	4.088	4.088	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	1.022	1.022	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	1.022	1.022	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	1.013	1.013	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	1.013	1.013	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	4.053	4.053	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	1.013	1.013	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	1.013	1.013	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	4.053	4.053	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	4.205	4.205	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	1.051	1.051	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	1.051	1.051	0	%100
99	M198A	X	0	0	0	%100
100	M198A	Z	0	0	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	1.35	1.35	0	%100
103	M196B	X	0	0	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	1.35	1.35	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	4.008	4.008	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	5.398	5.398	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	4.008	4.008	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	1.35	1.35	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	4.008	4.008	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	1.35	1.35	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	4.008	4.008	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	5.398	5.398	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	5.416	5.416	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	1.39	1.39	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	1.39	1.39	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	1.354	1.354	0	%100
131	M63	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	5.559	5.559	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	1.39	1.39	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	1.354	1.354	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	1.39	1.39	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	5.559	5.559	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-0.852	-0.852	0	%100
2	M142	Z	1.475	1.475	0	%100
3	M143A	X	-1.464	-1.464	0	%100
4	M143A	Z	2.537	2.537	0	%100
5	M144A	X	-0.002	-0.002	0	%100
6	M144A	Z	0.003	0.003	0	%100
7	M131	X	-1.572	-1.572	0	%100
8	M131	Z	2.723	2.723	0	%100
9	M132	X	-1.572	-1.572	0	%100
10	M132	Z	2.723	2.723	0	%100
11	M146A	X	-2.297	-2.297	0	%100
12	M146A	Z	3.978	3.978	0	%100
13	M147A	X	-2.297	-2.297	0	%100
14	M147A	Z	3.978	3.978	0	%100
15	M150	X	-1.572	-1.572	0	%100
16	M150	Z	2.723	2.723	0	%100
17	M151	X	-1.572	-1.572	0	%100
18	M151	Z	2.723	2.723	0	%100
19	M121A	X	-1.194	-1.194	0	%100
20	M121A	Z	2.068	2.068	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	-1.194	-1.194	0	%100
24	M143	Z	2.068	2.068	0	%100
25	M70A	X	-1.407	-1.407	0	%100
26	M70A	Z	2.438	2.438	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	-1.407	-1.407	0	%100
30	M138A	Z	2.438	2.438	0	%100
31	M72A	X	-0.545	-0.545	0	%100
32	M72A	Z	0.943	0.943	0	%100
33	M41	X	-0.545	-0.545	0	%100
34	M41	Z	0.943	0.943	0	%100
35	M107	X	-2.178	-2.178	0	%100
36	M107	Z	3.773	3.773	0	%100
37	M74	X	-1.327	-1.327	0	%100
38	M74	Z	2.299	2.299	0	%100
39	M192B	X	-1.327	-1.327	0	%100
40	M192B	Z	2.299	2.299	0	%100
41	M54	X	-1.327	-1.327	0	%100
42	M54	Z	2.299	2.299	0	%100
43	M55	X	-1.327	-1.327	0	%100
44	M55	Z	2.299	2.299	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	-1.696	-1.696	0	%100
50	MP4A	Z	2.937	2.937	0	%100
51	MP2A	X	-1.696	-1.696	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
52	MP2A	Z	2.937	2.937	0	%100
53	MP1A	X	-1.696	-1.696	0	%100
54	MP1A	Z	2.937	2.937	0	%100
55	MP3A	X	-1.696	-1.696	0	%100
56	MP3A	Z	2.937	2.937	0	%100
57	MP4C	X	-1.696	-1.696	0	%100
58	MP4C	Z	2.937	2.937	0	%100
59	MP2C	X	-1.696	-1.696	0	%100
60	MP2C	Z	2.937	2.937	0	%100
61	MP1C	X	-1.696	-1.696	0	%100
62	MP1C	Z	2.937	2.937	0	%100
63	MP3C	X	-1.696	-1.696	0	%100
64	MP3C	Z	2.937	2.937	0	%100
65	MP4B	X	-1.696	-1.696	0	%100
66	MP4B	Z	2.937	2.937	0	%100
67	MP2B	X	-1.696	-1.696	0	%100
68	MP2B	Z	2.937	2.937	0	%100
69	MP1B	X	-1.696	-1.696	0	%100
70	MP1B	Z	2.937	2.937	0	%100
71	MP3B	X	-1.696	-1.696	0	%100
72	MP3B	Z	2.937	2.937	0	%100
73	OVPI	X	-1.473	-1.473	0	%100
74	OVPI	Z	2.552	2.552	0	%100
75	M116B	X	-1.533	-1.533	0	%100
76	M116B	Z	2.655	2.655	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	-1.533	-1.533	0	%100
80	M128A	Z	2.655	2.655	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	-1.52	-1.52	0	%100
84	M193B	Z	2.633	2.633	0	%100
85	M56	X	-1.52	-1.52	0	%100
86	M56	Z	2.633	2.633	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	-1.52	-1.52	0	%100
90	M120	Z	2.633	2.633	0	%100
91	M121	X	-1.52	-1.52	0	%100
92	M121	Z	2.633	2.633	0	%100
93	M20	X	-1.577	-1.577	0	%100
94	M20	Z	2.731	2.731	0	%100
95	M78	X	-1.577	-1.577	0	%100
96	M78	Z	2.731	2.731	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	-0.668	-0.668	0	%100
100	M198A	Z	1.157	1.157	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	-0.668	-0.668	0	%100
104	M196B	Z	1.157	1.157	0	%100
105	M197B	X	-2.024	-2.024	0	%100
106	M197B	Z	3.506	3.506	0	%100
107	M58	X	-0.668	-0.668	0	%100
108	M58	Z	1.157	1.157	0	%100
109	M59	X	-2.024	-2.024	0	%100
110	M59	Z	3.506	3.506	0	%100
111	M60	X	-0.668	-0.668	0	%100
112	M60	Z	1.157	1.157	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	-2.672	-2.672	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	4.629	4.629	0	%100
117	M123	X	-2.024	-2.024	0	%100
118	M123	Z	3.506	3.506	0	%100
119	M124	X	-2.672	-2.672	0	%100
120	M124	Z	4.629	4.629	0	%100
121	M125	X	-2.024	-2.024	0	%100
122	M125	Z	3.506	3.506	0	%100
123	M75	X	-2.031	-2.031	0	%100
124	M75	Z	3.518	3.518	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	-2.085	-2.085	0	%100
128	M92	Z	3.611	3.611	0	%100
129	M62	X	-2.031	-2.031	0	%100
130	M62	Z	3.518	3.518	0	%100
131	M63	X	-2.085	-2.085	0	%100
132	M63	Z	3.611	3.611	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	-2.085	-2.085	0	%100
138	M127	Z	3.611	3.611	0	%100
139	M128	X	-2.085	-2.085	0	%100
140	M128	Z	3.611	3.611	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-2.579	-2.579	0	%100
2	M142	Z	1.489	1.489	0	%100
3	M143A	X	-1.133	-1.133	0	%100
4	M143A	Z	.654	.654	0	%100
5	M144A	X	-.78	-.78	0	%100
6	M144A	Z	.45	.45	0	%100
7	M131	X	-3.56	-3.56	0	%100
8	M131	Z	2.055	2.055	0	%100
9	M132	X	-3.56	-3.56	0	%100
10	M132	Z	2.055	2.055	0	%100
11	M146A	X	-3.56	-3.56	0	%100
12	M146A	Z	2.055	2.055	0	%100
13	M147A	X	-3.56	-3.56	0	%100
14	M147A	Z	2.055	2.055	0	%100
15	M150	X	-2.305	-2.305	0	%100
16	M150	Z	1.331	1.331	0	%100
17	M151	X	-2.305	-2.305	0	%100
18	M151	Z	1.331	1.331	0	%100
19	M121A	X	-.689	-.689	0	%100
20	M121A	Z	.398	.398	0	%100
21	M137	X	-.689	-.689	0	%100
22	M137	Z	.398	.398	0	%100
23	M143	X	-2.757	-2.757	0	%100
24	M143	Z	1.592	1.592	0	%100
25	M70A	X	-.813	-.813	0	%100
26	M70A	Z	.469	.469	0	%100
27	M136A	X	-.813	-.813	0	%100
28	M136A	Z	.469	.469	0	%100
29	M138A	X	-3.25	-3.25	0	%100
30	M138A	Z	1.877	1.877	0	%100
31	M72A	X	-2.829	-2.829	0	%100
32	M72A	Z	1.634	1.634	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	-2.829	-2.829	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
36	M107	Z	1.634	1.634	0	%100
37	M74	X	-.766	-.766	0	%100
38	M74	Z	.442	.442	0	%100
39	M192B	X	-.766	-.766	0	%100
40	M192B	Z	.442	.442	0	%100
41	M54	X	-3.065	-3.065	0	%100
42	M54	Z	1.77	1.77	0	%100
43	M55	X	-3.065	-3.065	0	%100
44	M55	Z	1.77	1.77	0	%100
45	M118	X	-.766	-.766	0	%100
46	M118	Z	.442	.442	0	%100
47	M119	X	-.766	-.766	0	%100
48	M119	Z	.442	.442	0	%100
49	MP4A	X	-2.937	-2.937	0	%100
50	MP4A	Z	1.696	1.696	0	%100
51	MP2A	X	-2.937	-2.937	0	%100
52	MP2A	Z	1.696	1.696	0	%100
53	MP1A	X	-2.937	-2.937	0	%100
54	MP1A	Z	1.696	1.696	0	%100
55	MP3A	X	-2.937	-2.937	0	%100
56	MP3A	Z	1.696	1.696	0	%100
57	MP4C	X	-2.937	-2.937	0	%100
58	MP4C	Z	1.696	1.696	0	%100
59	MP2C	X	-2.937	-2.937	0	%100
60	MP2C	Z	1.696	1.696	0	%100
61	MP1C	X	-2.937	-2.937	0	%100
62	MP1C	Z	1.696	1.696	0	%100
63	MP3C	X	-2.937	-2.937	0	%100
64	MP3C	Z	1.696	1.696	0	%100
65	MP4B	X	-2.937	-2.937	0	%100
66	MP4B	Z	1.696	1.696	0	%100
67	MP2B	X	-2.937	-2.937	0	%100
68	MP2B	Z	1.696	1.696	0	%100
69	MP1B	X	-2.937	-2.937	0	%100
70	MP1B	Z	1.696	1.696	0	%100
71	MP3B	X	-2.937	-2.937	0	%100
72	MP3B	Z	1.696	1.696	0	%100
73	OVP1	X	-2.552	-2.552	0	%100
74	OVP1	Z	1.473	1.473	0	%100
75	M116B	X	-.885	-.885	0	%100
76	M116B	Z	.511	.511	0	%100
77	M120A	X	-.885	-.885	0	%100
78	M120A	Z	.511	.511	0	%100
79	M128A	X	-3.54	-3.54	0	%100
80	M128A	Z	2.044	2.044	0	%100
81	M79	X	-.878	-.878	0	%100
82	M79	Z	.507	.507	0	%100
83	M193B	X	-3.51	-3.51	0	%100
84	M193B	Z	2.027	2.027	0	%100
85	M56	X	-.878	-.878	0	%100
86	M56	Z	.507	.507	0	%100
87	M57	X	-.878	-.878	0	%100
88	M57	Z	.507	.507	0	%100
89	M120	X	-3.51	-3.51	0	%100
90	M120	Z	2.027	2.027	0	%100
91	M121	X	-.878	-.878	0	%100
92	M121	Z	.507	.507	0	%100
93	M20	X	-.91	-.91	0	%100
94	M20	Z	.526	.526	0	%100
95	M78	X	-3.642	-3.642	0	%100
96	M78	Z	2.103	2.103	0	%100
97	M106	X	-.91	-.91	0	%100
98	M106	Z	.526	.526	0	%100
99	M198A	X	-3.471	-3.471	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	2.004	2.004	0	%100
101	M199A	X	-1.169	-1.169	0	%100
102	M199A	Z	.675	.675	0	%100
103	M196B	X	-3.471	-3.471	0	%100
104	M196B	Z	2.004	2.004	0	%100
105	M197B	X	-4.675	-4.675	0	%100
106	M197B	Z	2.699	2.699	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	-1.169	-1.169	0	%100
110	M59	Z	.675	.675	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	-1.169	-1.169	0	%100
114	M61	Z	.675	.675	0	%100
115	M122	X	-3.471	-3.471	0	%100
116	M122	Z	2.004	2.004	0	%100
117	M123	X	-4.675	-4.675	0	%100
118	M123	Z	2.699	2.699	0	%100
119	M124	X	-3.471	-3.471	0	%100
120	M124	Z	2.004	2.004	0	%100
121	M125	X	-1.169	-1.169	0	%100
122	M125	Z	.675	.675	0	%100
123	M75	X	-1.173	-1.173	0	%100
124	M75	Z	.677	.677	0	%100
125	M87A	X	-1.204	-1.204	0	%100
126	M87A	Z	.695	.695	0	%100
127	M92	X	-4.814	-4.814	0	%100
128	M92	Z	2.779	2.779	0	%100
129	M62	X	-4.691	-4.691	0	%100
130	M62	Z	2.708	2.708	0	%100
131	M63	X	-1.204	-1.204	0	%100
132	M63	Z	.695	.695	0	%100
133	M64	X	-1.204	-1.204	0	%100
134	M64	Z	.695	.695	0	%100
135	M126A	X	-1.173	-1.173	0	%100
136	M126A	Z	.677	.677	0	%100
137	M127	X	-4.814	-4.814	0	%100
138	M127	Z	2.779	2.779	0	%100
139	M128	X	-1.204	-1.204	0	%100
140	M128	Z	.695	.695	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-2.835	-2.835	0	%100
2	M142	Z	0	0	0	%100
3	M143A	X	-.073	-.073	0	%100
4	M143A	Z	0	0	0	%100
5	M144A	X	-2.51	-2.51	0	%100
6	M144A	Z	0	0	0	%100
7	M131	X	-4.594	-4.594	0	%100
8	M131	Z	0	0	0	%100
9	M132	X	-4.594	-4.594	0	%100
10	M132	Z	0	0	0	%100
11	M146A	X	-3.144	-3.144	0	%100
12	M146A	Z	0	0	0	%100
13	M147A	X	-3.144	-3.144	0	%100
14	M147A	Z	0	0	0	%100
15	M150	X	-3.144	-3.144	0	%100
16	M150	Z	0	0	0	%100
17	M151	X	-3.144	-3.144	0	%100
18	M151	Z	0	0	0	%100
19	M121A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	0	0	0	%100
21	M137	X	-2.387	-2.387	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	-2.387	-2.387	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	0	0	0	%100
27	M136A	X	-2.815	-2.815	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	-2.815	-2.815	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	-4.356	-4.356	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	-1.089	-1.089	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	-1.089	-1.089	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	0	0	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	0	0	0	%100
41	M54	X	-2.654	-2.654	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-2.654	-2.654	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	-2.654	-2.654	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	-2.654	-2.654	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	-3.391	-3.391	0	%100
50	MP4A	Z	0	0	0	%100
51	MP2A	X	-3.391	-3.391	0	%100
52	MP2A	Z	0	0	0	%100
53	MP1A	X	-3.391	-3.391	0	%100
54	MP1A	Z	0	0	0	%100
55	MP3A	X	-3.391	-3.391	0	%100
56	MP3A	Z	0	0	0	%100
57	MP4C	X	-3.391	-3.391	0	%100
58	MP4C	Z	0	0	0	%100
59	MP2C	X	-3.391	-3.391	0	%100
60	MP2C	Z	0	0	0	%100
61	MP1C	X	-3.391	-3.391	0	%100
62	MP1C	Z	0	0	0	%100
63	MP3C	X	-3.391	-3.391	0	%100
64	MP3C	Z	0	0	0	%100
65	MP4B	X	-3.391	-3.391	0	%100
66	MP4B	Z	0	0	0	%100
67	MP2B	X	-3.391	-3.391	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	-3.391	-3.391	0	%100
70	MP1B	Z	0	0	0	%100
71	MP3B	X	-3.391	-3.391	0	%100
72	MP3B	Z	0	0	0	%100
73	OVP1	X	-2.947	-2.947	0	%100
74	OVP1	Z	0	0	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	0	0	0	%100
77	M120A	X	-3.066	-3.066	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	-3.066	-3.066	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	-3.04	-3.04	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	-3.04	-3.04	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	0	0	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	0	0	0	%100
87	M57	X	-3.04	-3.04	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	-3.04	-3.04	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	0	0	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	0	0	0	%100
95	M78	X	-3.154	-3.154	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	-3.154	-3.154	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	-5.345	-5.345	0	%100
100	M198A	Z	0	0	0	%100
101	M199A	X	-4.049	-4.049	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	-5.345	-5.345	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	-4.049	-4.049	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	-1.336	-1.336	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	0	0	0	%100
111	M60	X	-1.336	-1.336	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	-4.049	-4.049	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	-1.336	-1.336	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-4.049	-4.049	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-1.336	-1.336	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	0	0	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	0	0	0	%100
125	M87A	X	-4.169	-4.169	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	-4.169	-4.169	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	-4.062	-4.062	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	0	0	0	%100
133	M64	X	-4.169	-4.169	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	-4.062	-4.062	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	-4.169	-4.169	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-1.228	-1.228	0	%100
2	M142	Z	-709	-709	0	%100
3	M143A	X	-396	-396	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
4	M143A	Z	-2.229	-2.229	0	%100
5	M144A	X	-2.79	-2.79	0	%100
6	M144A	Z	-1.611	-1.611	0	%100
7	M131	X	-3.56	-3.56	0	%100
8	M131	Z	-2.055	-2.055	0	%100
9	M132	X	-3.56	-3.56	0	%100
10	M132	Z	-2.055	-2.055	0	%100
11	M146A	X	-2.305	-2.305	0	%100
12	M146A	Z	-1.331	-1.331	0	%100
13	M147A	X	-2.305	-2.305	0	%100
14	M147A	Z	-1.331	-1.331	0	%100
15	M150	X	-3.56	-3.56	0	%100
16	M150	Z	-2.055	-2.055	0	%100
17	M151	X	-3.56	-3.56	0	%100
18	M151	Z	-2.055	-2.055	0	%100
19	M121A	X	-6.89	-6.89	0	%100
20	M121A	Z	-3.98	-3.98	0	%100
21	M137	X	-2.757	-2.757	0	%100
22	M137	Z	-1.592	-1.592	0	%100
23	M143	X	-6.89	-6.89	0	%100
24	M143	Z	-3.98	-3.98	0	%100
25	M70A	X	-8.13	-8.13	0	%100
26	M70A	Z	-4.69	-4.69	0	%100
27	M136A	X	-3.25	-3.25	0	%100
28	M136A	Z	-1.877	-1.877	0	%100
29	M138A	X	-8.13	-8.13	0	%100
30	M138A	Z	-4.69	-4.69	0	%100
31	M72A	X	-2.829	-2.829	0	%100
32	M72A	Z	-1.634	-1.634	0	%100
33	M41	X	-2.829	-2.829	0	%100
34	M41	Z	-1.634	-1.634	0	%100
35	M107	X	0	0	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	-7.66	-7.66	0	%100
38	M74	Z	-4.42	-4.42	0	%100
39	M192B	X	-7.66	-7.66	0	%100
40	M192B	Z	-4.42	-4.42	0	%100
41	M54	X	-7.66	-7.66	0	%100
42	M54	Z	-4.42	-4.42	0	%100
43	M55	X	-7.66	-7.66	0	%100
44	M55	Z	-4.42	-4.42	0	%100
45	M118	X	-3.065	-3.065	0	%100
46	M118	Z	-1.77	-1.77	0	%100
47	M119	X	-3.065	-3.065	0	%100
48	M119	Z	-1.77	-1.77	0	%100
49	MP4A	X	-2.937	-2.937	0	%100
50	MP4A	Z	-1.696	-1.696	0	%100
51	MP2A	X	-2.937	-2.937	0	%100
52	MP2A	Z	-1.696	-1.696	0	%100
53	MP1A	X	-2.937	-2.937	0	%100
54	MP1A	Z	-1.696	-1.696	0	%100
55	MP3A	X	-2.937	-2.937	0	%100
56	MP3A	Z	-1.696	-1.696	0	%100
57	MP4C	X	-2.937	-2.937	0	%100
58	MP4C	Z	-1.696	-1.696	0	%100
59	MP2C	X	-2.937	-2.937	0	%100
60	MP2C	Z	-1.696	-1.696	0	%100
61	MP1C	X	-2.937	-2.937	0	%100
62	MP1C	Z	-1.696	-1.696	0	%100
63	MP3C	X	-2.937	-2.937	0	%100
64	MP3C	Z	-1.696	-1.696	0	%100
65	MP4B	X	-2.937	-2.937	0	%100
66	MP4B	Z	-1.696	-1.696	0	%100
67	MP2B	X	-2.937	-2.937	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	-1.696	-1.696	0	%100
69	MP1B	X	-2.937	-2.937	0	%100
70	MP1B	Z	-1.696	-1.696	0	%100
71	MP3B	X	-2.937	-2.937	0	%100
72	MP3B	Z	-1.696	-1.696	0	%100
73	OVP1	X	-2.552	-2.552	0	%100
74	OVP1	Z	-1.473	-1.473	0	%100
75	M116B	X	-885	-885	0	%100
76	M116B	Z	-511	-511	0	%100
77	M120A	X	-3.54	-3.54	0	%100
78	M120A	Z	-2.044	-2.044	0	%100
79	M128A	X	-885	-885	0	%100
80	M128A	Z	-511	-511	0	%100
81	M79	X	-3.51	-3.51	0	%100
82	M79	Z	-2.027	-2.027	0	%100
83	M193B	X	-878	-878	0	%100
84	M193B	Z	-507	-507	0	%100
85	M56	X	-878	-878	0	%100
86	M56	Z	-507	-507	0	%100
87	M57	X	-3.51	-3.51	0	%100
88	M57	Z	-2.027	-2.027	0	%100
89	M120	X	-878	-878	0	%100
90	M120	Z	-507	-507	0	%100
91	M121	X	-878	-878	0	%100
92	M121	Z	-507	-507	0	%100
93	M20	X	-91	-91	0	%100
94	M20	Z	-526	-526	0	%100
95	M78	X	-91	-91	0	%100
96	M78	Z	-526	-526	0	%100
97	M106	X	-3.642	-3.642	0	%100
98	M106	Z	-2.103	-2.103	0	%100
99	M198A	X	-3.471	-3.471	0	%100
100	M198A	Z	-2.004	-2.004	0	%100
101	M199A	X	-4.675	-4.675	0	%100
102	M199A	Z	-2.699	-2.699	0	%100
103	M196B	X	-3.471	-3.471	0	%100
104	M196B	Z	-2.004	-2.004	0	%100
105	M197B	X	-1.169	-1.169	0	%100
106	M197B	Z	-675	-675	0	%100
107	M58	X	-3.471	-3.471	0	%100
108	M58	Z	-2.004	-2.004	0	%100
109	M59	X	-1.169	-1.169	0	%100
110	M59	Z	-675	-675	0	%100
111	M60	X	-3.471	-3.471	0	%100
112	M60	Z	-2.004	-2.004	0	%100
113	M61	X	-4.675	-4.675	0	%100
114	M61	Z	-2.699	-2.699	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-1.169	-1.169	0	%100
118	M123	Z	-675	-675	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-1.169	-1.169	0	%100
122	M125	Z	-675	-675	0	%100
123	M75	X	-1.173	-1.173	0	%100
124	M75	Z	-677	-677	0	%100
125	M87A	X	-4.814	-4.814	0	%100
126	M87A	Z	-2.779	-2.779	0	%100
127	M92	X	-1.204	-1.204	0	%100
128	M92	Z	-695	-695	0	%100
129	M62	X	-1.173	-1.173	0	%100
130	M62	Z	-677	-677	0	%100
131	M63	X	-1.204	-1.204	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	-695	-695	0	%100
133	M64	X	-4.814	-4.814	0	%100
134	M64	Z	-2.779	-2.779	0	%100
135	M126A	X	-4.691	-4.691	0	%100
136	M126A	Z	-2.708	-2.708	0	%100
137	M127	X	-1.204	-1.204	0	%100
138	M127	Z	-695	-695	0	%100
139	M128	X	-1.204	-1.204	0	%100
140	M128	Z	-695	-695	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-0.72	-0.72	0	%100
2	M142	Z	-1.24	-1.24	0	%100
3	M143A	X	-1.039	-1.039	0	%100
4	M143A	Z	-1.799	-1.799	0	%100
5	M144A	X	-1.163	-1.163	0	%100
6	M144A	Z	-2.014	-2.014	0	%100
7	M131	X	-1.572	-1.572	0	%100
8	M131	Z	-2.723	-2.723	0	%100
9	M132	X	-1.572	-1.572	0	%100
10	M132	Z	-2.723	-2.723	0	%100
11	M146A	X	-1.572	-1.572	0	%100
12	M146A	Z	-2.723	-2.723	0	%100
13	M147A	X	-1.572	-1.572	0	%100
14	M147A	Z	-2.723	-2.723	0	%100
15	M150	X	-2.297	-2.297	0	%100
16	M150	Z	-3.978	-3.978	0	%100
17	M151	X	-2.297	-2.297	0	%100
18	M151	Z	-3.978	-3.978	0	%100
19	M121A	X	-1.194	-1.194	0	%100
20	M121A	Z	-2.068	-2.068	0	%100
21	M137	X	-1.194	-1.194	0	%100
22	M137	Z	-2.068	-2.068	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	-1.407	-1.407	0	%100
26	M70A	Z	-2.438	-2.438	0	%100
27	M136A	X	-1.407	-1.407	0	%100
28	M136A	Z	-2.438	-2.438	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	-545	-545	0	%100
32	M72A	Z	-943	-943	0	%100
33	M41	X	-2.178	-2.178	0	%100
34	M41	Z	-3.773	-3.773	0	%100
35	M107	X	-545	-545	0	%100
36	M107	Z	-943	-943	0	%100
37	M74	X	-1.327	-1.327	0	%100
38	M74	Z	-2.299	-2.299	0	%100
39	M192B	X	-1.327	-1.327	0	%100
40	M192B	Z	-2.299	-2.299	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	-1.327	-1.327	0	%100
46	M118	Z	-2.299	-2.299	0	%100
47	M119	X	-1.327	-1.327	0	%100
48	M119	Z	-2.299	-2.299	0	%100
49	MP4A	X	-1.696	-1.696	0	%100
50	MP4A	Z	-2.937	-2.937	0	%100
51	MP2A	X	-1.696	-1.696	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
52	MP2A	Z	-2.937	-2.937	0	%100
53	MP1A	X	-1.696	-1.696	0	%100
54	MP1A	Z	-2.937	-2.937	0	%100
55	MP3A	X	-1.696	-1.696	0	%100
56	MP3A	Z	-2.937	-2.937	0	%100
57	MP4C	X	-1.696	-1.696	0	%100
58	MP4C	Z	-2.937	-2.937	0	%100
59	MP2C	X	-1.696	-1.696	0	%100
60	MP2C	Z	-2.937	-2.937	0	%100
61	MP1C	X	-1.696	-1.696	0	%100
62	MP1C	Z	-2.937	-2.937	0	%100
63	MP3C	X	-1.696	-1.696	0	%100
64	MP3C	Z	-2.937	-2.937	0	%100
65	MP4B	X	-1.696	-1.696	0	%100
66	MP4B	Z	-2.937	-2.937	0	%100
67	MP2B	X	-1.696	-1.696	0	%100
68	MP2B	Z	-2.937	-2.937	0	%100
69	MP1B	X	-1.696	-1.696	0	%100
70	MP1B	Z	-2.937	-2.937	0	%100
71	MP3B	X	-1.696	-1.696	0	%100
72	MP3B	Z	-2.937	-2.937	0	%100
73	OVPI	X	-1.473	-1.473	0	%100
74	OVPI	Z	-2.552	-2.552	0	%100
75	M116B	X	-1.533	-1.533	0	%100
76	M116B	Z	-2.655	-2.655	0	%100
77	M120A	X	-1.533	-1.533	0	%100
78	M120A	Z	-2.655	-2.655	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	-1.52	-1.52	0	%100
82	M79	Z	-2.633	-2.633	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	0	0	0	%100
85	M56	X	-1.52	-1.52	0	%100
86	M56	Z	-2.633	-2.633	0	%100
87	M57	X	-1.52	-1.52	0	%100
88	M57	Z	-2.633	-2.633	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	-1.52	-1.52	0	%100
92	M121	Z	-2.633	-2.633	0	%100
93	M20	X	-1.577	-1.577	0	%100
94	M20	Z	-2.731	-2.731	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	-1.577	-1.577	0	%100
98	M106	Z	-2.731	-2.731	0	%100
99	M198A	X	-.668	-.668	0	%100
100	M198A	Z	-1.157	-1.157	0	%100
101	M199A	X	-2.024	-2.024	0	%100
102	M199A	Z	-3.506	-3.506	0	%100
103	M196B	X	-.668	-.668	0	%100
104	M196B	Z	-1.157	-1.157	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	-2.672	-2.672	0	%100
108	M58	Z	-4.629	-4.629	0	%100
109	M59	X	-2.024	-2.024	0	%100
110	M59	Z	-3.506	-3.506	0	%100
111	M60	X	-2.672	-2.672	0	%100
112	M60	Z	-4.629	-4.629	0	%100
113	M61	X	-2.024	-2.024	0	%100
114	M61	Z	-3.506	-3.506	0	%100
115	M122	X	-.668	-.668	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	-1.157	-1.157	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-.668	-.668	0	%100
120	M124	Z	-1.157	-1.157	0	%100
121	M125	X	-2.024	-2.024	0	%100
122	M125	Z	-3.506	-3.506	0	%100
123	M75	X	-2.031	-2.031	0	%100
124	M75	Z	-3.518	-3.518	0	%100
125	M87A	X	-2.085	-2.085	0	%100
126	M87A	Z	-3.611	-3.611	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	-2.085	-2.085	0	%100
132	M63	Z	-3.611	-3.611	0	%100
133	M64	X	-2.085	-2.085	0	%100
134	M64	Z	-3.611	-3.611	0	%100
135	M126A	X	-2.031	-2.031	0	%100
136	M126A	Z	-3.518	-3.518	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	-2.085	-2.085	0	%100
140	M128	Z	-3.611	-3.611	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	0	0	0	%100
2	M142	Z	-.052	-.052	0	%100
3	M143A	X	0	0	0	%100
4	M143A	Z	-.604	-.604	0	%100
5	M144A	X	0	0	0	%100
6	M144A	Z	-.13	-.13	0	%100
7	M131	X	0	0	0	%100
8	M131	Z	-.639	-.639	0	%100
9	M132	X	0	0	0	%100
10	M132	Z	-.639	-.639	0	%100
11	M146A	X	0	0	0	%100
12	M146A	Z	-.986	-.986	0	%100
13	M147A	X	0	0	0	%100
14	M147A	Z	-.986	-.986	0	%100
15	M150	X	0	0	0	%100
16	M150	Z	-.986	-.986	0	%100
17	M151	X	0	0	0	%100
18	M151	Z	-.986	-.986	0	%100
19	M121A	X	0	0	0	%100
20	M121A	Z	-.745	-.745	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	-.186	-.186	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	-.186	-.186	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	-.749	-.749	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	-.187	-.187	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	-.187	-.187	0	%100
31	M72A	X	0	0	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	-.725	-.725	0	%100
35	M107	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
36	M107	Z	-.725	-.725	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	-.798	-.798	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	-.798	-.798	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	-.199	-.199	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	-.199	-.199	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	-.199	-.199	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	-.199	-.199	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	-.619	-.619	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	-.619	-.619	0	%100
53	MP1A	X	0	0	0	%100
54	MP1A	Z	-.619	-.619	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	-.619	-.619	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	-.619	-.619	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	-.619	-.619	0	%100
61	MP1C	X	0	0	0	%100
62	MP1C	Z	-.619	-.619	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	-.619	-.619	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	-.619	-.619	0	%100
67	MP2B	X	0	0	0	%100
68	MP2B	Z	-.619	-.619	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	-.619	-.619	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	-.619	-.619	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	-.535	-.535	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	-1.061	-1.061	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	-.265	-.265	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	-.265	-.265	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	-.217	-.217	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	-.217	-.217	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	-.868	-.868	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	-.217	-.217	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	-.217	-.217	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	-.868	-.868	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	-.898	-.898	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	-.225	-.225	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	-.225	-.225	0	%100
99	M198A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	0	0	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	-.398	-.398	0	%100
103	M196B	X	0	0	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	-.398	-.398	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	-1.18	-1.18	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	-1.592	-1.592	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	-1.18	-1.18	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	-.398	-.398	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-1.18	-1.18	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-.398	-.398	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	-1.18	-1.18	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	-1.592	-1.592	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	-1.563	-1.563	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	-.413	-.413	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	-.413	-.413	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	-.391	-.391	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	-1.65	-1.65	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	-.413	-.413	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	-.391	-.391	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	-.413	-.413	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	-1.65	-1.65	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	.155	.155	0	%100
2	M142	Z	-.268	-.268	0	%100
3	M143A	X	.267	.267	0	%100
4	M143A	Z	-.462	-.462	0	%100
5	M144A	X	.00032	.00032	0	%100
6	M144A	Z	-.000554	-.000554	0	%100
7	M131	X	.377	.377	0	%100
8	M131	Z	-.653	-.653	0	%100
9	M132	X	.377	.377	0	%100
10	M132	Z	-.653	-.653	0	%100
11	M146A	X	.551	.551	0	%100
12	M146A	Z	-.955	-.955	0	%100
13	M147A	X	.551	.551	0	%100
14	M147A	Z	-.955	-.955	0	%100
15	M150	X	.377	.377	0	%100
16	M150	Z	-.653	-.653	0	%100
17	M151	X	.377	.377	0	%100
18	M151	Z	-.653	-.653	0	%100
19	M121A	X	.28	.28	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F.ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	-.484	-.484	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	.28	.28	0	%100
24	M143	Z	-.484	-.484	0	%100
25	M70A	X	.281	.281	0	%100
26	M70A	Z	-.487	-.487	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	.281	.281	0	%100
30	M138A	Z	-.487	-.487	0	%100
31	M72A	X	.121	.121	0	%100
32	M72A	Z	-.209	-.209	0	%100
33	M41	X	.121	.121	0	%100
34	M41	Z	-.209	-.209	0	%100
35	M107	X	.483	.483	0	%100
36	M107	Z	-.837	-.837	0	%100
37	M74	X	.299	.299	0	%100
38	M74	Z	-.518	-.518	0	%100
39	M192B	X	.299	.299	0	%100
40	M192B	Z	-.518	-.518	0	%100
41	M54	X	.299	.299	0	%100
42	M54	Z	-.518	-.518	0	%100
43	M55	X	.299	.299	0	%100
44	M55	Z	-.518	-.518	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	.309	.309	0	%100
50	MP4A	Z	-.536	-.536	0	%100
51	MP2A	X	.309	.309	0	%100
52	MP2A	Z	-.536	-.536	0	%100
53	MP1A	X	.309	.309	0	%100
54	MP1A	Z	-.536	-.536	0	%100
55	MP3A	X	.309	.309	0	%100
56	MP3A	Z	-.536	-.536	0	%100
57	MP4C	X	.309	.309	0	%100
58	MP4C	Z	-.536	-.536	0	%100
59	MP2C	X	.309	.309	0	%100
60	MP2C	Z	-.536	-.536	0	%100
61	MP1C	X	.309	.309	0	%100
62	MP1C	Z	-.536	-.536	0	%100
63	MP3C	X	.309	.309	0	%100
64	MP3C	Z	-.536	-.536	0	%100
65	MP4B	X	.309	.309	0	%100
66	MP4B	Z	-.536	-.536	0	%100
67	MP2B	X	.309	.309	0	%100
68	MP2B	Z	-.536	-.536	0	%100
69	MP1B	X	.309	.309	0	%100
70	MP1B	Z	-.536	-.536	0	%100
71	MP3B	X	.309	.309	0	%100
72	MP3B	Z	-.536	-.536	0	%100
73	OVP1	X	.267	.267	0	%100
74	OVP1	Z	-.463	-.463	0	%100
75	M116B	X	.398	.398	0	%100
76	M116B	Z	-.689	-.689	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	.398	.398	0	%100
80	M128A	Z	-.689	-.689	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	.326	.326	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	-.564	-.564	0	%100
85	M56	X	.326	.326	0	%100
86	M56	Z	-.564	-.564	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	.326	.326	0	%100
90	M120	Z	-.564	-.564	0	%100
91	M121	X	.326	.326	0	%100
92	M121	Z	-.564	-.564	0	%100
93	M20	X	.337	.337	0	%100
94	M20	Z	-.584	-.584	0	%100
95	M78	X	.337	.337	0	%100
96	M78	Z	-.584	-.584	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	.197	.197	0	%100
100	M198A	Z	-.341	-.341	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	.197	.197	0	%100
104	M196B	Z	-.341	-.341	0	%100
105	M197B	X	.597	.597	0	%100
106	M197B	Z	-1.034	-1.034	0	%100
107	M58	X	.197	.197	0	%100
108	M58	Z	-.341	-.341	0	%100
109	M59	X	.597	.597	0	%100
110	M59	Z	-1.034	-1.034	0	%100
111	M60	X	.197	.197	0	%100
112	M60	Z	-.341	-.341	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	.786	.786	0	%100
116	M122	Z	-1.362	-1.362	0	%100
117	M123	X	.597	.597	0	%100
118	M123	Z	-1.034	-1.034	0	%100
119	M124	X	.786	.786	0	%100
120	M124	Z	-1.362	-1.362	0	%100
121	M125	X	.597	.597	0	%100
122	M125	Z	-1.034	-1.034	0	%100
123	M75	X	.586	.586	0	%100
124	M75	Z	-1.015	-1.015	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	.619	.619	0	%100
128	M92	Z	-1.072	-1.072	0	%100
129	M62	X	.586	.586	0	%100
130	M62	Z	-1.015	-1.015	0	%100
131	M63	X	.619	.619	0	%100
132	M63	Z	-1.072	-1.072	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	.619	.619	0	%100
138	M127	Z	-1.072	-1.072	0	%100
139	M128	X	.619	.619	0	%100
140	M128	Z	-1.072	-1.072	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg))

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	.468	.468	0	%100
2	M142	Z	-.27	-.27	0	%100
3	M143A	X	.207	.207	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
4	M143A	Z	-.119	-.119	0	%100
5	M144A	X	.141	.141	0	%100
6	M144A	Z	-.082	-.082	0	%100
7	M131	X	.854	.854	0	%100
8	M131	Z	-.493	-.493	0	%100
9	M132	X	.854	.854	0	%100
10	M132	Z	-.493	-.493	0	%100
11	M146A	X	.854	.854	0	%100
12	M146A	Z	-.493	-.493	0	%100
13	M147A	X	.854	.854	0	%100
14	M147A	Z	-.493	-.493	0	%100
15	M150	X	.553	.553	0	%100
16	M150	Z	-.319	-.319	0	%100
17	M151	X	.553	.553	0	%100
18	M151	Z	-.319	-.319	0	%100
19	M121A	X	.161	.161	0	%100
20	M121A	Z	-.093	-.093	0	%100
21	M137	X	.161	.161	0	%100
22	M137	Z	-.093	-.093	0	%100
23	M143	X	.646	.646	0	%100
24	M143	Z	-.373	-.373	0	%100
25	M70A	X	.162	.162	0	%100
26	M70A	Z	-.094	-.094	0	%100
27	M136A	X	.162	.162	0	%100
28	M136A	Z	-.094	-.094	0	%100
29	M138A	X	.649	.649	0	%100
30	M138A	Z	-.375	-.375	0	%100
31	M72A	X	.628	.628	0	%100
32	M72A	Z	-.362	-.362	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	.628	.628	0	%100
36	M107	Z	-.362	-.362	0	%100
37	M74	X	.173	.173	0	%100
38	M74	Z	-.1	-.1	0	%100
39	M192B	X	.173	.173	0	%100
40	M192B	Z	-.1	-.1	0	%100
41	M54	X	.691	.691	0	%100
42	M54	Z	-.399	-.399	0	%100
43	M55	X	.691	.691	0	%100
44	M55	Z	-.399	-.399	0	%100
45	M118	X	.173	.173	0	%100
46	M118	Z	-.1	-.1	0	%100
47	M119	X	.173	.173	0	%100
48	M119	Z	-.1	-.1	0	%100
49	MP4A	X	.536	.536	0	%100
50	MP4A	Z	-.309	-.309	0	%100
51	MP2A	X	.536	.536	0	%100
52	MP2A	Z	-.309	-.309	0	%100
53	MP1A	X	.536	.536	0	%100
54	MP1A	Z	-.309	-.309	0	%100
55	MP3A	X	.536	.536	0	%100
56	MP3A	Z	-.309	-.309	0	%100
57	MP4C	X	.536	.536	0	%100
58	MP4C	Z	-.309	-.309	0	%100
59	MP2C	X	.536	.536	0	%100
60	MP2C	Z	-.309	-.309	0	%100
61	MP1C	X	.536	.536	0	%100
62	MP1C	Z	-.309	-.309	0	%100
63	MP3C	X	.536	.536	0	%100
64	MP3C	Z	-.309	-.309	0	%100
65	MP4B	X	.536	.536	0	%100
66	MP4B	Z	-.309	-.309	0	%100
67	MP2B	X	.536	.536	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	-.309	-.309	0	%100
69	MP1B	X	.536	.536	0	%100
70	MP1B	Z	-.309	-.309	0	%100
71	MP3B	X	.536	.536	0	%100
72	MP3B	Z	-.309	-.309	0	%100
73	OVP1	X	.463	.463	0	%100
74	OVP1	Z	-.267	-.267	0	%100
75	M116B	X	.23	.23	0	%100
76	M116B	Z	-.133	-.133	0	%100
77	M120A	X	.23	.23	0	%100
78	M120A	Z	-.133	-.133	0	%100
79	M128A	X	.919	.919	0	%100
80	M128A	Z	-.531	-.531	0	%100
81	M79	X	.188	.188	0	%100
82	M79	Z	-.109	-.109	0	%100
83	M193B	X	.752	.752	0	%100
84	M193B	Z	-.434	-.434	0	%100
85	M56	X	.188	.188	0	%100
86	M56	Z	-.109	-.109	0	%100
87	M57	X	.188	.188	0	%100
88	M57	Z	-.109	-.109	0	%100
89	M120	X	.752	.752	0	%100
90	M120	Z	-.434	-.434	0	%100
91	M121	X	.188	.188	0	%100
92	M121	Z	-.109	-.109	0	%100
93	M20	X	.195	.195	0	%100
94	M20	Z	-.112	-.112	0	%100
95	M78	X	.778	.778	0	%100
96	M78	Z	-.449	-.449	0	%100
97	M106	X	.195	.195	0	%100
98	M106	Z	-.112	-.112	0	%100
99	M198A	X	1.022	1.022	0	%100
100	M198A	Z	-.59	-.59	0	%100
101	M199A	X	.345	.345	0	%100
102	M199A	Z	-.199	-.199	0	%100
103	M196B	X	1.022	1.022	0	%100
104	M196B	Z	-.59	-.59	0	%100
105	M197B	X	1.379	1.379	0	%100
106	M197B	Z	-.796	-.796	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	.345	.345	0	%100
110	M59	Z	-.199	-.199	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	.345	.345	0	%100
114	M61	Z	-.199	-.199	0	%100
115	M122	X	1.022	1.022	0	%100
116	M122	Z	-.59	-.59	0	%100
117	M123	X	1.379	1.379	0	%100
118	M123	Z	-.796	-.796	0	%100
119	M124	X	1.022	1.022	0	%100
120	M124	Z	-.59	-.59	0	%100
121	M125	X	.345	.345	0	%100
122	M125	Z	-.199	-.199	0	%100
123	M75	X	.338	.338	0	%100
124	M75	Z	-.195	-.195	0	%100
125	M87A	X	.357	.357	0	%100
126	M87A	Z	-.206	-.206	0	%100
127	M92	X	1.429	1.429	0	%100
128	M92	Z	-.825	-.825	0	%100
129	M62	X	1.354	1.354	0	%100
130	M62	Z	-.782	-.782	0	%100
131	M63	X	.357	.357	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	-.206	-.206	0	%100
133	M64	X	.357	.357	0	%100
134	M64	Z	-.206	-.206	0	%100
135	M126A	X	.338	.338	0	%100
136	M126A	Z	-.195	-.195	0	%100
137	M127	X	1.429	1.429	0	%100
138	M127	Z	-.825	-.825	0	%100
139	M128	X	.357	.357	0	%100
140	M128	Z	-.206	-.206	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	.514	.514	0	%100
2	M142	Z	0	0	0	%100
3	M143A	X	.013	.013	0	%100
4	M143A	Z	0	0	0	%100
5	M144A	X	.455	.455	0	%100
6	M144A	Z	0	0	0	%100
7	M131	X	1.102	1.102	0	%100
8	M131	Z	0	0	0	%100
9	M132	X	1.102	1.102	0	%100
10	M132	Z	0	0	0	%100
11	M146A	X	.754	.754	0	%100
12	M146A	Z	0	0	0	%100
13	M147A	X	.754	.754	0	%100
14	M147A	Z	0	0	0	%100
15	M150	X	.754	.754	0	%100
16	M150	Z	0	0	0	%100
17	M151	X	.754	.754	0	%100
18	M151	Z	0	0	0	%100
19	M121A	X	0	0	0	%100
20	M121A	Z	0	0	0	%100
21	M137	X	.559	.559	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	.559	.559	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	0	0	0	%100
27	M136A	X	.562	.562	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	.562	.562	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	.966	.966	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	.242	.242	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	.242	.242	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	0	0	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	0	0	0	%100
41	M54	X	.598	.598	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	.598	.598	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	.598	.598	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	.598	.598	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	.619	.619	0	%100
50	MP4A	Z	0	0	0	%100
51	MP2A	X	.619	.619	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
52	MP2A	Z	0	0	0	%100
53	MP1A	X	.619	.619	0	%100
54	MP1A	Z	0	0	0	%100
55	MP3A	X	.619	.619	0	%100
56	MP3A	Z	0	0	0	%100
57	MP4C	X	.619	.619	0	%100
58	MP4C	Z	0	0	0	%100
59	MP2C	X	.619	.619	0	%100
60	MP2C	Z	0	0	0	%100
61	MP1C	X	.619	.619	0	%100
62	MP1C	Z	0	0	0	%100
63	MP3C	X	.619	.619	0	%100
64	MP3C	Z	0	0	0	%100
65	MP4B	X	.619	.619	0	%100
66	MP4B	Z	0	0	0	%100
67	MP2B	X	.619	.619	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	.619	.619	0	%100
70	MP1B	Z	0	0	0	%100
71	MP3B	X	.619	.619	0	%100
72	MP3B	Z	0	0	0	%100
73	OV1	X	.535	.535	0	%100
74	OV1	Z	0	0	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	0	0	0	%100
77	M120A	X	.796	.796	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	.796	.796	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	.651	.651	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	.651	.651	0	%100
84	M193B	Z	0	0	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	0	0	0	%100
87	M57	X	.651	.651	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	.651	.651	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	0	0	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	0	0	0	%100
95	M78	X	.674	.674	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	.674	.674	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	1.573	1.573	0	%100
100	M198A	Z	0	0	0	%100
101	M199A	X	1.194	1.194	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	1.573	1.573	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	1.194	1.194	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	.393	.393	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	0	0	0	%100
111	M60	X	.393	.393	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	1.194	1.194	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	.393	.393	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	0	0	0	%100
117	M123	X	1.194	1.194	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	.393	.393	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	0	0	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	0	0	0	%100
125	M87A	X	1.238	1.238	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	1.238	1.238	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	1.172	1.172	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	0	0	0	%100
133	M64	X	1.238	1.238	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	1.172	1.172	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	1.238	1.238	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	.223	.223	0	%100
2	M142	Z	.129	.129	0	%100
3	M143A	X	.072	.072	0	%100
4	M143A	Z	.042	.042	0	%100
5	M144A	X	.506	.506	0	%100
6	M144A	Z	.292	.292	0	%100
7	M131	X	.854	.854	0	%100
8	M131	Z	.493	.493	0	%100
9	M132	X	.854	.854	0	%100
10	M132	Z	.493	.493	0	%100
11	M146A	X	.553	.553	0	%100
12	M146A	Z	.319	.319	0	%100
13	M147A	X	.553	.553	0	%100
14	M147A	Z	.319	.319	0	%100
15	M150	X	.854	.854	0	%100
16	M150	Z	.493	.493	0	%100
17	M151	X	.854	.854	0	%100
18	M151	Z	.493	.493	0	%100
19	M121A	X	.161	.161	0	%100
20	M121A	Z	.093	.093	0	%100
21	M137	X	.646	.646	0	%100
22	M137	Z	.373	.373	0	%100
23	M143	X	.161	.161	0	%100
24	M143	Z	.093	.093	0	%100
25	M70A	X	.162	.162	0	%100
26	M70A	Z	.094	.094	0	%100
27	M136A	X	.649	.649	0	%100
28	M136A	Z	.375	.375	0	%100
29	M138A	X	.162	.162	0	%100
30	M138A	Z	.094	.094	0	%100
31	M72A	X	.628	.628	0	%100
32	M72A	Z	.362	.362	0	%100
33	M41	X	.628	.628	0	%100
34	M41	Z	.362	.362	0	%100
35	M107	X	0	0	0	%100

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

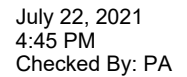
	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
36	M107	Z	0	0	0	%100
37	M74	X	.173	.173	0	%100
38	M74	Z	.1	.1	0	%100
39	M192B	X	.173	.173	0	%100
40	M192B	Z	.1	.1	0	%100
41	M54	X	.173	.173	0	%100
42	M54	Z	.1	.1	0	%100
43	M55	X	.173	.173	0	%100
44	M55	Z	.1	.1	0	%100
45	M118	X	.691	.691	0	%100
46	M118	Z	.399	.399	0	%100
47	M119	X	.691	.691	0	%100
48	M119	Z	.399	.399	0	%100
49	MP4A	X	.536	.536	0	%100
50	MP4A	Z	.309	.309	0	%100
51	MP2A	X	.536	.536	0	%100
52	MP2A	Z	.309	.309	0	%100
53	MP1A	X	.536	.536	0	%100
54	MP1A	Z	.309	.309	0	%100
55	MP3A	X	.536	.536	0	%100
56	MP3A	Z	.309	.309	0	%100
57	MP4C	X	.536	.536	0	%100
58	MP4C	Z	.309	.309	0	%100
59	MP2C	X	.536	.536	0	%100
60	MP2C	Z	.309	.309	0	%100
61	MP1C	X	.536	.536	0	%100
62	MP1C	Z	.309	.309	0	%100
63	MP3C	X	.536	.536	0	%100
64	MP3C	Z	.309	.309	0	%100
65	MP4B	X	.536	.536	0	%100
66	MP4B	Z	.309	.309	0	%100
67	MP2B	X	.536	.536	0	%100
68	MP2B	Z	.309	.309	0	%100
69	MP1B	X	.536	.536	0	%100
70	MP1B	Z	.309	.309	0	%100
71	MP3B	X	.536	.536	0	%100
72	MP3B	Z	.309	.309	0	%100
73	OVP1	X	.463	.463	0	%100
74	OVP1	Z	.267	.267	0	%100
75	M116B	X	.23	.23	0	%100
76	M116B	Z	.133	.133	0	%100
77	M120A	X	.919	.919	0	%100
78	M120A	Z	.531	.531	0	%100
79	M128A	X	.23	.23	0	%100
80	M128A	Z	.133	.133	0	%100
81	M79	X	.752	.752	0	%100
82	M79	Z	.434	.434	0	%100
83	M193B	X	.188	.188	0	%100
84	M193B	Z	.109	.109	0	%100
85	M56	X	.188	.188	0	%100
86	M56	Z	.109	.109	0	%100
87	M57	X	.752	.752	0	%100
88	M57	Z	.434	.434	0	%100
89	M120	X	.188	.188	0	%100
90	M120	Z	.109	.109	0	%100
91	M121	X	.188	.188	0	%100
92	M121	Z	.109	.109	0	%100
93	M20	X	.195	.195	0	%100
94	M20	Z	.112	.112	0	%100
95	M78	X	.195	.195	0	%100
96	M78	Z	.112	.112	0	%100
97	M106	X	.778	.778	0	%100
98	M106	Z	.449	.449	0	%100
99	M198A	X	1.022	1.022	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	.59	.59	0	%100
101	M199A	X	1.379	1.379	0	%100
102	M199A	Z	.796	.796	0	%100
103	M196B	X	1.022	1.022	0	%100
104	M196B	Z	.59	.59	0	%100
105	M197B	X	.345	.345	0	%100
106	M197B	Z	.199	.199	0	%100
107	M58	X	1.022	1.022	0	%100
108	M58	Z	.59	.59	0	%100
109	M59	X	.345	.345	0	%100
110	M59	Z	.199	.199	0	%100
111	M60	X	1.022	1.022	0	%100
112	M60	Z	.59	.59	0	%100
113	M61	X	1.379	1.379	0	%100
114	M61	Z	.796	.796	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	.345	.345	0	%100
118	M123	Z	.199	.199	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	.345	.345	0	%100
122	M125	Z	.199	.199	0	%100
123	M75	X	.338	.338	0	%100
124	M75	Z	.195	.195	0	%100
125	M87A	X	1.429	1.429	0	%100
126	M87A	Z	.825	.825	0	%100
127	M92	X	.357	.357	0	%100
128	M92	Z	.206	.206	0	%100
129	M62	X	.338	.338	0	%100
130	M62	Z	.195	.195	0	%100
131	M63	X	.357	.357	0	%100
132	M63	Z	.206	.206	0	%100
133	M64	X	1.429	1.429	0	%100
134	M64	Z	.825	.825	0	%100
135	M126A	X	1.354	1.354	0	%100
136	M126A	Z	.782	.782	0	%100
137	M127	X	.357	.357	0	%100
138	M127	Z	.206	.206	0	%100
139	M128	X	.357	.357	0	%100
140	M128	Z	.206	.206	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	.013	.013	0	%100
2	M142	Z	.023	.023	0	%100
3	M143A	X	.189	.189	0	%100
4	M143A	Z	.328	.328	0	%100
5	M144A	X	.211	.211	0	%100
6	M144A	Z	.365	.365	0	%100
7	M131	X	.377	.377	0	%100
8	M131	Z	.653	.653	0	%100
9	M132	X	.377	.377	0	%100
10	M132	Z	.653	.653	0	%100
11	M146A	X	.377	.377	0	%100
12	M146A	Z	.653	.653	0	%100
13	M147A	X	.377	.377	0	%100
14	M147A	Z	.653	.653	0	%100
15	M150	X	.551	.551	0	%100
16	M150	Z	.955	.955	0	%100
17	M151	X	.551	.551	0	%100
18	M151	Z	.955	.955	0	%100
19	M121A	X	.28	.28	0	%100



	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	.484	.484	0	%100
21	M137	X	.28	.28	0	%100
22	M137	Z	.484	.484	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	.281	.281	0	%100
26	M70A	Z	.487	.487	0	%100
27	M136A	X	.281	.281	0	%100
28	M136A	Z	.487	.487	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	.121	.121	0	%100
32	M72A	Z	.209	.209	0	%100
33	M41	X	.483	.483	0	%100
34	M41	Z	.837	.837	0	%100
35	M107	X	.121	.121	0	%100
36	M107	Z	.209	.209	0	%100
37	M74	X	.299	.299	0	%100
38	M74	Z	.518	.518	0	%100
39	M192B	X	.299	.299	0	%100
40	M192B	Z	.518	.518	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	.299	.299	0	%100
46	M118	Z	.518	.518	0	%100
47	M119	X	.299	.299	0	%100
48	M119	Z	.518	.518	0	%100
49	MP4A	X	.309	.309	0	%100
50	MP4A	Z	.536	.536	0	%100
51	MP2A	X	.309	.309	0	%100
52	MP2A	Z	.536	.536	0	%100
53	MP1A	X	.309	.309	0	%100
54	MP1A	Z	.536	.536	0	%100
55	MP3A	X	.309	.309	0	%100
56	MP3A	Z	.536	.536	0	%100
57	MP4C	X	.309	.309	0	%100
58	MP4C	Z	.536	.536	0	%100
59	MP2C	X	.309	.309	0	%100
60	MP2C	Z	.536	.536	0	%100
61	MP1C	X	.309	.309	0	%100
62	MP1C	Z	.536	.536	0	%100
63	MP3C	X	.309	.309	0	%100
64	MP3C	Z	.536	.536	0	%100
65	MP4B	X	.309	.309	0	%100
66	MP4B	Z	.536	.536	0	%100
67	MP2B	X	.309	.309	0	%100
68	MP2B	Z	.536	.536	0	%100
69	MP1B	X	.309	.309	0	%100
70	MP1B	Z	.536	.536	0	%100
71	MP3B	X	.309	.309	0	%100
72	MP3B	Z	.536	.536	0	%100
73	OVP1	X	.267	.267	0	%100
74	OVP1	Z	.463	.463	0	%100
75	M116B	X	.398	.398	0	%100
76	M116B	Z	.689	.689	0	%100
77	M120A	X	.398	.398	0	%100
78	M120A	Z	.689	.689	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	.326	.326	0	%100
82	M79	Z	.564	.564	0	%100
83	M193B	X	0	0	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	0	0	0	%100
85	M56	X	.326	.326	0	%100
86	M56	Z	.564	.564	0	%100
87	M57	X	.326	.326	0	%100
88	M57	Z	.564	.564	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	.326	.326	0	%100
92	M121	Z	.564	.564	0	%100
93	M20	X	.337	.337	0	%100
94	M20	Z	.584	.584	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	.337	.337	0	%100
98	M106	Z	.584	.584	0	%100
99	M198A	X	.197	.197	0	%100
100	M198A	Z	.341	.341	0	%100
101	M199A	X	.597	.597	0	%100
102	M199A	Z	1.034	1.034	0	%100
103	M196B	X	.197	.197	0	%100
104	M196B	Z	.341	.341	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	.786	.786	0	%100
108	M58	Z	1.362	1.362	0	%100
109	M59	X	.597	.597	0	%100
110	M59	Z	1.034	1.034	0	%100
111	M60	X	.786	.786	0	%100
112	M60	Z	1.362	1.362	0	%100
113	M61	X	.597	.597	0	%100
114	M61	Z	1.034	1.034	0	%100
115	M122	X	.197	.197	0	%100
116	M122	Z	.341	.341	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	.197	.197	0	%100
120	M124	Z	.341	.341	0	%100
121	M125	X	.597	.597	0	%100
122	M125	Z	1.034	1.034	0	%100
123	M75	X	.586	.586	0	%100
124	M75	Z	1.015	1.015	0	%100
125	M87A	X	.619	.619	0	%100
126	M87A	Z	1.072	1.072	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	.619	.619	0	%100
132	M63	Z	1.072	1.072	0	%100
133	M64	X	.619	.619	0	%100
134	M64	Z	1.072	1.072	0	%100
135	M126A	X	.586	.586	0	%100
136	M126A	Z	1.015	1.015	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	.619	.619	0	%100
140	M128	Z	1.072	1.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	0	0	0	%100
2	M142	Z	.052	.052	0	%100
3	M143A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
4	M143A	Z	.604	.604	0	%100
5	M144A	X	0	0	0	%100
6	M144A	Z	.13	.13	0	%100
7	M131	X	0	0	0	%100
8	M131	Z	.639	.639	0	%100
9	M132	X	0	0	0	%100
10	M132	Z	.639	.639	0	%100
11	M146A	X	0	0	0	%100
12	M146A	Z	.986	.986	0	%100
13	M147A	X	0	0	0	%100
14	M147A	Z	.986	.986	0	%100
15	M150	X	0	0	0	%100
16	M150	Z	.986	.986	0	%100
17	M151	X	0	0	0	%100
18	M151	Z	.986	.986	0	%100
19	M121A	X	0	0	0	%100
20	M121A	Z	.745	.745	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	.186	.186	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	.186	.186	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	.749	.749	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	.187	.187	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	.187	.187	0	%100
31	M72A	X	0	0	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	.725	.725	0	%100
35	M107	X	0	0	0	%100
36	M107	Z	.725	.725	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	.798	.798	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	.798	.798	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	.199	.199	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	.199	.199	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	.199	.199	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	.199	.199	0	%100
49	MP4A	X	0	0	0	%100
50	MP4A	Z	.619	.619	0	%100
51	MP2A	X	0	0	0	%100
52	MP2A	Z	.619	.619	0	%100
53	MP1A	X	0	0	0	%100
54	MP1A	Z	.619	.619	0	%100
55	MP3A	X	0	0	0	%100
56	MP3A	Z	.619	.619	0	%100
57	MP4C	X	0	0	0	%100
58	MP4C	Z	.619	.619	0	%100
59	MP2C	X	0	0	0	%100
60	MP2C	Z	.619	.619	0	%100
61	MP1C	X	0	0	0	%100
62	MP1C	Z	.619	.619	0	%100
63	MP3C	X	0	0	0	%100
64	MP3C	Z	.619	.619	0	%100
65	MP4B	X	0	0	0	%100
66	MP4B	Z	.619	.619	0	%100
67	MP2B	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	.619	.619	0	%100
69	MP1B	X	0	0	0	%100
70	MP1B	Z	.619	.619	0	%100
71	MP3B	X	0	0	0	%100
72	MP3B	Z	.619	.619	0	%100
73	OVP1	X	0	0	0	%100
74	OVP1	Z	.535	.535	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	1.061	1.061	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	.265	.265	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	.265	.265	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	.217	.217	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	.217	.217	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	.868	.868	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	.217	.217	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	.217	.217	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	.868	.868	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	.898	.898	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	.225	.225	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	.225	.225	0	%100
99	M198A	X	0	0	0	%100
100	M198A	Z	0	0	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	.398	.398	0	%100
103	M196B	X	0	0	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	.398	.398	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	1.18	1.18	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	1.592	1.592	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	1.18	1.18	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	.398	.398	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	1.18	1.18	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	.398	.398	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	1.18	1.18	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	1.592	1.592	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	1.563	1.563	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	.413	.413	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	.413	.413	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	.391	.391	0	%100
131	M63	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	1.65	1.65	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	.413	.413	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	.391	.391	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	.413	.413	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	1.65	1.65	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-.155	-.155	0	%100
2	M142	Z	.268	.268	0	%100
3	M143A	X	-.267	-.267	0	%100
4	M143A	Z	.462	.462	0	%100
5	M144A	X	-.00032	-.00032	0	%100
6	M144A	Z	.000554	.000554	0	%100
7	M131	X	-.377	-.377	0	%100
8	M131	Z	.653	.653	0	%100
9	M132	X	-.377	-.377	0	%100
10	M132	Z	.653	.653	0	%100
11	M146A	X	-.551	-.551	0	%100
12	M146A	Z	.955	.955	0	%100
13	M147A	X	-.551	-.551	0	%100
14	M147A	Z	.955	.955	0	%100
15	M150	X	-.377	-.377	0	%100
16	M150	Z	.653	.653	0	%100
17	M151	X	-.377	-.377	0	%100
18	M151	Z	.653	.653	0	%100
19	M121A	X	-.28	-.28	0	%100
20	M121A	Z	.484	.484	0	%100
21	M137	X	0	0	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	-.28	-.28	0	%100
24	M143	Z	.484	.484	0	%100
25	M70A	X	-.281	-.281	0	%100
26	M70A	Z	.487	.487	0	%100
27	M136A	X	0	0	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	-.281	-.281	0	%100
30	M138A	Z	.487	.487	0	%100
31	M72A	X	-.121	-.121	0	%100
32	M72A	Z	.209	.209	0	%100
33	M41	X	-.121	-.121	0	%100
34	M41	Z	.209	.209	0	%100
35	M107	X	-.483	-.483	0	%100
36	M107	Z	.837	.837	0	%100
37	M74	X	-.299	-.299	0	%100
38	M74	Z	.518	.518	0	%100
39	M192B	X	-.299	-.299	0	%100
40	M192B	Z	.518	.518	0	%100
41	M54	X	-.299	-.299	0	%100
42	M54	Z	.518	.518	0	%100
43	M55	X	-.299	-.299	0	%100
44	M55	Z	.518	.518	0	%100
45	M118	X	0	0	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	0	0	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	-.309	-.309	0	%100
50	MP4A	Z	.536	.536	0	%100
51	MP2A	X	-.309	-.309	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
52	MP2A	Z	.536	.536	0	%100
53	MP1A	X	-.309	-.309	0	%100
54	MP1A	Z	.536	.536	0	%100
55	MP3A	X	-.309	-.309	0	%100
56	MP3A	Z	.536	.536	0	%100
57	MP4C	X	-.309	-.309	0	%100
58	MP4C	Z	.536	.536	0	%100
59	MP2C	X	-.309	-.309	0	%100
60	MP2C	Z	.536	.536	0	%100
61	MP1C	X	-.309	-.309	0	%100
62	MP1C	Z	.536	.536	0	%100
63	MP3C	X	-.309	-.309	0	%100
64	MP3C	Z	.536	.536	0	%100
65	MP4B	X	-.309	-.309	0	%100
66	MP4B	Z	.536	.536	0	%100
67	MP2B	X	-.309	-.309	0	%100
68	MP2B	Z	.536	.536	0	%100
69	MP1B	X	-.309	-.309	0	%100
70	MP1B	Z	.536	.536	0	%100
71	MP3B	X	-.309	-.309	0	%100
72	MP3B	Z	.536	.536	0	%100
73	OVPI	X	-.267	-.267	0	%100
74	OVPI	Z	.463	.463	0	%100
75	M116B	X	-.398	-.398	0	%100
76	M116B	Z	.689	.689	0	%100
77	M120A	X	0	0	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	-.398	-.398	0	%100
80	M128A	Z	.689	.689	0	%100
81	M79	X	0	0	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	-.326	-.326	0	%100
84	M193B	Z	.564	.564	0	%100
85	M56	X	-.326	-.326	0	%100
86	M56	Z	.564	.564	0	%100
87	M57	X	0	0	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	-.326	-.326	0	%100
90	M120	Z	.564	.564	0	%100
91	M121	X	-.326	-.326	0	%100
92	M121	Z	.564	.564	0	%100
93	M20	X	-.337	-.337	0	%100
94	M20	Z	.584	.584	0	%100
95	M78	X	-.337	-.337	0	%100
96	M78	Z	.584	.584	0	%100
97	M106	X	0	0	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	-.197	-.197	0	%100
100	M198A	Z	.341	.341	0	%100
101	M199A	X	0	0	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	-.197	-.197	0	%100
104	M196B	Z	.341	.341	0	%100
105	M197B	X	-.597	-.597	0	%100
106	M197B	Z	1.034	1.034	0	%100
107	M58	X	-.197	-.197	0	%100
108	M58	Z	.341	.341	0	%100
109	M59	X	-.597	-.597	0	%100
110	M59	Z	1.034	1.034	0	%100
111	M60	X	-.197	-.197	0	%100
112	M60	Z	.341	.341	0	%100
113	M61	X	0	0	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	-.786	-.786	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	1.362	1.362	0	%100
117	M123	X	-.597	-.597	0	%100
118	M123	Z	1.034	1.034	0	%100
119	M124	X	-.786	-.786	0	%100
120	M124	Z	1.362	1.362	0	%100
121	M125	X	-.597	-.597	0	%100
122	M125	Z	1.034	1.034	0	%100
123	M75	X	-.586	-.586	0	%100
124	M75	Z	1.015	1.015	0	%100
125	M87A	X	0	0	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	-.619	-.619	0	%100
128	M92	Z	1.072	1.072	0	%100
129	M62	X	-.586	-.586	0	%100
130	M62	Z	1.015	1.015	0	%100
131	M63	X	-.619	-.619	0	%100
132	M63	Z	1.072	1.072	0	%100
133	M64	X	0	0	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	0	0	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	-.619	-.619	0	%100
138	M127	Z	1.072	1.072	0	%100
139	M128	X	-.619	-.619	0	%100
140	M128	Z	1.072	1.072	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg))

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-.468	-.468	0	%100
2	M142	Z	.27	.27	0	%100
3	M143A	X	-.207	-.207	0	%100
4	M143A	Z	.119	.119	0	%100
5	M144A	X	-.141	-.141	0	%100
6	M144A	Z	.082	.082	0	%100
7	M131	X	-.854	-.854	0	%100
8	M131	Z	.493	.493	0	%100
9	M132	X	-.854	-.854	0	%100
10	M132	Z	.493	.493	0	%100
11	M146A	X	-.854	-.854	0	%100
12	M146A	Z	.493	.493	0	%100
13	M147A	X	-.854	-.854	0	%100
14	M147A	Z	.493	.493	0	%100
15	M150	X	-.553	-.553	0	%100
16	M150	Z	.319	.319	0	%100
17	M151	X	-.553	-.553	0	%100
18	M151	Z	.319	.319	0	%100
19	M121A	X	-.161	-.161	0	%100
20	M121A	Z	.093	.093	0	%100
21	M137	X	-.161	-.161	0	%100
22	M137	Z	.093	.093	0	%100
23	M143	X	-.646	-.646	0	%100
24	M143	Z	.373	.373	0	%100
25	M70A	X	-.162	-.162	0	%100
26	M70A	Z	.094	.094	0	%100
27	M136A	X	-.162	-.162	0	%100
28	M136A	Z	.094	.094	0	%100
29	M138A	X	-.649	-.649	0	%100
30	M138A	Z	.375	.375	0	%100
31	M72A	X	-.628	-.628	0	%100
32	M72A	Z	.362	.362	0	%100
33	M41	X	0	0	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	-.628	-.628	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
36	M107	Z	.362	.362	0	%100
37	M74	X	-.173	-.173	0	%100
38	M74	Z	.1	.1	0	%100
39	M192B	X	-.173	-.173	0	%100
40	M192B	Z	.1	.1	0	%100
41	M54	X	-.691	-.691	0	%100
42	M54	Z	.399	.399	0	%100
43	M55	X	-.691	-.691	0	%100
44	M55	Z	.399	.399	0	%100
45	M118	X	-.173	-.173	0	%100
46	M118	Z	.1	.1	0	%100
47	M119	X	-.173	-.173	0	%100
48	M119	Z	.1	.1	0	%100
49	MP4A	X	-.536	-.536	0	%100
50	MP4A	Z	.309	.309	0	%100
51	MP2A	X	-.536	-.536	0	%100
52	MP2A	Z	.309	.309	0	%100
53	MP1A	X	-.536	-.536	0	%100
54	MP1A	Z	.309	.309	0	%100
55	MP3A	X	-.536	-.536	0	%100
56	MP3A	Z	.309	.309	0	%100
57	MP4C	X	-.536	-.536	0	%100
58	MP4C	Z	.309	.309	0	%100
59	MP2C	X	-.536	-.536	0	%100
60	MP2C	Z	.309	.309	0	%100
61	MP1C	X	-.536	-.536	0	%100
62	MP1C	Z	.309	.309	0	%100
63	MP3C	X	-.536	-.536	0	%100
64	MP3C	Z	.309	.309	0	%100
65	MP4B	X	-.536	-.536	0	%100
66	MP4B	Z	.309	.309	0	%100
67	MP2B	X	-.536	-.536	0	%100
68	MP2B	Z	.309	.309	0	%100
69	MP1B	X	-.536	-.536	0	%100
70	MP1B	Z	.309	.309	0	%100
71	MP3B	X	-.536	-.536	0	%100
72	MP3B	Z	.309	.309	0	%100
73	OVP1	X	-.463	-.463	0	%100
74	OVP1	Z	.267	.267	0	%100
75	M116B	X	-.23	-.23	0	%100
76	M116B	Z	.133	.133	0	%100
77	M120A	X	-.23	-.23	0	%100
78	M120A	Z	.133	.133	0	%100
79	M128A	X	-.919	-.919	0	%100
80	M128A	Z	.531	.531	0	%100
81	M79	X	-.188	-.188	0	%100
82	M79	Z	.109	.109	0	%100
83	M193B	X	-.752	-.752	0	%100
84	M193B	Z	.434	.434	0	%100
85	M56	X	-.188	-.188	0	%100
86	M56	Z	.109	.109	0	%100
87	M57	X	-.188	-.188	0	%100
88	M57	Z	.109	.109	0	%100
89	M120	X	-.752	-.752	0	%100
90	M120	Z	.434	.434	0	%100
91	M121	X	-.188	-.188	0	%100
92	M121	Z	.109	.109	0	%100
93	M20	X	-.195	-.195	0	%100
94	M20	Z	.112	.112	0	%100
95	M78	X	-.778	-.778	0	%100
96	M78	Z	.449	.449	0	%100
97	M106	X	-.195	-.195	0	%100
98	M106	Z	.112	.112	0	%100
99	M198A	X	-1.022	-1.022	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
100	M198A	Z	.59	.59	0	%100
101	M199A	X	-.345	-.345	0	%100
102	M199A	Z	.199	.199	0	%100
103	M196B	X	-1.022	-1.022	0	%100
104	M196B	Z	.59	.59	0	%100
105	M197B	X	-1.379	-1.379	0	%100
106	M197B	Z	.796	.796	0	%100
107	M58	X	0	0	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	-.345	-.345	0	%100
110	M59	Z	.199	.199	0	%100
111	M60	X	0	0	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	-.345	-.345	0	%100
114	M61	Z	.199	.199	0	%100
115	M122	X	-1.022	-1.022	0	%100
116	M122	Z	.59	.59	0	%100
117	M123	X	-1.379	-1.379	0	%100
118	M123	Z	.796	.796	0	%100
119	M124	X	-1.022	-1.022	0	%100
120	M124	Z	.59	.59	0	%100
121	M125	X	-.345	-.345	0	%100
122	M125	Z	.199	.199	0	%100
123	M75	X	-.338	-.338	0	%100
124	M75	Z	.195	.195	0	%100
125	M87A	X	-.357	-.357	0	%100
126	M87A	Z	.206	.206	0	%100
127	M92	X	-1.429	-1.429	0	%100
128	M92	Z	.825	.825	0	%100
129	M62	X	-1.354	-1.354	0	%100
130	M62	Z	.782	.782	0	%100
131	M63	X	-.357	-.357	0	%100
132	M63	Z	.206	.206	0	%100
133	M64	X	-.357	-.357	0	%100
134	M64	Z	.206	.206	0	%100
135	M126A	X	-.338	-.338	0	%100
136	M126A	Z	.195	.195	0	%100
137	M127	X	-1.429	-1.429	0	%100
138	M127	Z	.825	.825	0	%100
139	M128	X	-.357	-.357	0	%100
140	M128	Z	.206	.206	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-.514	-.514	0	%100
2	M142	Z	0	0	0	%100
3	M143A	X	-.013	-.013	0	%100
4	M143A	Z	0	0	0	%100
5	M144A	X	-.455	-.455	0	%100
6	M144A	Z	0	0	0	%100
7	M131	X	-1.102	-1.102	0	%100
8	M131	Z	0	0	0	%100
9	M132	X	-1.102	-1.102	0	%100
10	M132	Z	0	0	0	%100
11	M146A	X	-.754	-.754	0	%100
12	M146A	Z	0	0	0	%100
13	M147A	X	-.754	-.754	0	%100
14	M147A	Z	0	0	0	%100
15	M150	X	-.754	-.754	0	%100
16	M150	Z	0	0	0	%100
17	M151	X	-.754	-.754	0	%100
18	M151	Z	0	0	0	%100
19	M121A	X	0	0	0	%100

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

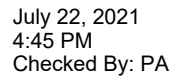
	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
20	M121A	Z	0	0	0	%100
21	M137	X	-.559	-.559	0	%100
22	M137	Z	0	0	0	%100
23	M143	X	-.559	-.559	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	0	0	0	%100
26	M70A	Z	0	0	0	%100
27	M136A	X	-.562	-.562	0	%100
28	M136A	Z	0	0	0	%100
29	M138A	X	-.562	-.562	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	-.966	-.966	0	%100
32	M72A	Z	0	0	0	%100
33	M41	X	-.242	-.242	0	%100
34	M41	Z	0	0	0	%100
35	M107	X	-.242	-.242	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	0	0	0	%100
38	M74	Z	0	0	0	%100
39	M192B	X	0	0	0	%100
40	M192B	Z	0	0	0	%100
41	M54	X	-.598	-.598	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	-.598	-.598	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	-.598	-.598	0	%100
46	M118	Z	0	0	0	%100
47	M119	X	-.598	-.598	0	%100
48	M119	Z	0	0	0	%100
49	MP4A	X	-.619	-.619	0	%100
50	MP4A	Z	0	0	0	%100
51	MP2A	X	-.619	-.619	0	%100
52	MP2A	Z	0	0	0	%100
53	MP1A	X	-.619	-.619	0	%100
54	MP1A	Z	0	0	0	%100
55	MP3A	X	-.619	-.619	0	%100
56	MP3A	Z	0	0	0	%100
57	MP4C	X	-.619	-.619	0	%100
58	MP4C	Z	0	0	0	%100
59	MP2C	X	-.619	-.619	0	%100
60	MP2C	Z	0	0	0	%100
61	MP1C	X	-.619	-.619	0	%100
62	MP1C	Z	0	0	0	%100
63	MP3C	X	-.619	-.619	0	%100
64	MP3C	Z	0	0	0	%100
65	MP4B	X	-.619	-.619	0	%100
66	MP4B	Z	0	0	0	%100
67	MP2B	X	-.619	-.619	0	%100
68	MP2B	Z	0	0	0	%100
69	MP1B	X	-.619	-.619	0	%100
70	MP1B	Z	0	0	0	%100
71	MP3B	X	-.619	-.619	0	%100
72	MP3B	Z	0	0	0	%100
73	OVP1	X	-.535	-.535	0	%100
74	OVP1	Z	0	0	0	%100
75	M116B	X	0	0	0	%100
76	M116B	Z	0	0	0	%100
77	M120A	X	-.796	-.796	0	%100
78	M120A	Z	0	0	0	%100
79	M128A	X	-.796	-.796	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	-.651	-.651	0	%100
82	M79	Z	0	0	0	%100
83	M193B	X	-.651	-.651	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
84	M193B	Z	0	0	0	%100
85	M56	X	0	0	0	%100
86	M56	Z	0	0	0	%100
87	M57	X	-.651	-.651	0	%100
88	M57	Z	0	0	0	%100
89	M120	X	-.651	-.651	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	0	0	0	%100
92	M121	Z	0	0	0	%100
93	M20	X	0	0	0	%100
94	M20	Z	0	0	0	%100
95	M78	X	-.674	-.674	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	-.674	-.674	0	%100
98	M106	Z	0	0	0	%100
99	M198A	X	-1.573	-1.573	0	%100
100	M198A	Z	0	0	0	%100
101	M199A	X	-1.194	-1.194	0	%100
102	M199A	Z	0	0	0	%100
103	M196B	X	-1.573	-1.573	0	%100
104	M196B	Z	0	0	0	%100
105	M197B	X	-1.194	-1.194	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	-.393	-.393	0	%100
108	M58	Z	0	0	0	%100
109	M59	X	0	0	0	%100
110	M59	Z	0	0	0	%100
111	M60	X	-.393	-.393	0	%100
112	M60	Z	0	0	0	%100
113	M61	X	-1.194	-1.194	0	%100
114	M61	Z	0	0	0	%100
115	M122	X	-.393	-.393	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-1.194	-1.194	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-.393	-.393	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	0	0	0	%100
123	M75	X	0	0	0	%100
124	M75	Z	0	0	0	%100
125	M87A	X	-1.238	-1.238	0	%100
126	M87A	Z	0	0	0	%100
127	M92	X	-1.238	-1.238	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	-1.172	-1.172	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	0	0	0	%100
132	M63	Z	0	0	0	%100
133	M64	X	-1.238	-1.238	0	%100
134	M64	Z	0	0	0	%100
135	M126A	X	-1.172	-1.172	0	%100
136	M126A	Z	0	0	0	%100
137	M127	X	-1.238	-1.238	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	0	0	0	%100
140	M128	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-.223	-.223	0	%100
2	M142	Z	-.129	-.129	0	%100
3	M143A	X	-.072	-.072	0	%100



	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F.ksf]	Start Location[in, %]	End Location[in, %]
4	M143A	Z	-.042	-.042	0	%100
5	M144A	X	-.506	-.506	0	%100
6	M144A	Z	-.292	-.292	0	%100
7	M131	X	-.854	-.854	0	%100
8	M131	Z	-.493	-.493	0	%100
9	M132	X	-.854	-.854	0	%100
10	M132	Z	-.493	-.493	0	%100
11	M146A	X	-.553	-.553	0	%100
12	M146A	Z	-.319	-.319	0	%100
13	M147A	X	-.553	-.553	0	%100
14	M147A	Z	-.319	-.319	0	%100
15	M150	X	-.854	-.854	0	%100
16	M150	Z	-.493	-.493	0	%100
17	M151	X	-.854	-.854	0	%100
18	M151	Z	-.493	-.493	0	%100
19	M121A	X	-.161	-.161	0	%100
20	M121A	Z	-.093	-.093	0	%100
21	M137	X	-.646	-.646	0	%100
22	M137	Z	-.373	-.373	0	%100
23	M143	X	-.161	-.161	0	%100
24	M143	Z	-.093	-.093	0	%100
25	M70A	X	-.162	-.162	0	%100
26	M70A	Z	-.094	-.094	0	%100
27	M136A	X	-.649	-.649	0	%100
28	M136A	Z	-.375	-.375	0	%100
29	M138A	X	-.162	-.162	0	%100
30	M138A	Z	-.094	-.094	0	%100
31	M72A	X	-.628	-.628	0	%100
32	M72A	Z	-.362	-.362	0	%100
33	M41	X	-.628	-.628	0	%100
34	M41	Z	-.362	-.362	0	%100
35	M107	X	0	0	0	%100
36	M107	Z	0	0	0	%100
37	M74	X	-.173	-.173	0	%100
38	M74	Z	-.1	-.1	0	%100
39	M192B	X	-.173	-.173	0	%100
40	M192B	Z	-.1	-.1	0	%100
41	M54	X	-.173	-.173	0	%100
42	M54	Z	-.1	-.1	0	%100
43	M55	X	-.173	-.173	0	%100
44	M55	Z	-.1	-.1	0	%100
45	M118	X	-.691	-.691	0	%100
46	M118	Z	-.399	-.399	0	%100
47	M119	X	-.691	-.691	0	%100
48	M119	Z	-.399	-.399	0	%100
49	MP4A	X	-.536	-.536	0	%100
50	MP4A	Z	-.309	-.309	0	%100
51	MP2A	X	-.536	-.536	0	%100
52	MP2A	Z	-.309	-.309	0	%100
53	MP1A	X	-.536	-.536	0	%100
54	MP1A	Z	-.309	-.309	0	%100
55	MP3A	X	-.536	-.536	0	%100
56	MP3A	Z	-.309	-.309	0	%100
57	MP4C	X	-.536	-.536	0	%100
58	MP4C	Z	-.309	-.309	0	%100
59	MP2C	X	-.536	-.536	0	%100
60	MP2C	Z	-.309	-.309	0	%100
61	MP1C	X	-.536	-.536	0	%100
62	MP1C	Z	-.309	-.309	0	%100
63	MP3C	X	-.536	-.536	0	%100
64	MP3C	Z	-.309	-.309	0	%100
65	MP4B	X	-.536	-.536	0	%100
66	MP4B	Z	-.309	-.309	0	%100
67	MP2B	X	-.536	-.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
68	MP2B	Z	-.309	-.309	0	%100
69	MP1B	X	-.536	-.536	0	%100
70	MP1B	Z	-.309	-.309	0	%100
71	MP3B	X	-.536	-.536	0	%100
72	MP3B	Z	-.309	-.309	0	%100
73	OVP1	X	-.463	-.463	0	%100
74	OVP1	Z	-.267	-.267	0	%100
75	M116B	X	-.23	-.23	0	%100
76	M116B	Z	-.133	-.133	0	%100
77	M120A	X	-.919	-.919	0	%100
78	M120A	Z	-.531	-.531	0	%100
79	M128A	X	-.23	-.23	0	%100
80	M128A	Z	-.133	-.133	0	%100
81	M79	X	-.752	-.752	0	%100
82	M79	Z	-.434	-.434	0	%100
83	M193B	X	-.188	-.188	0	%100
84	M193B	Z	-.109	-.109	0	%100
85	M56	X	-.188	-.188	0	%100
86	M56	Z	-.109	-.109	0	%100
87	M57	X	-.752	-.752	0	%100
88	M57	Z	-.434	-.434	0	%100
89	M120	X	-.188	-.188	0	%100
90	M120	Z	-.109	-.109	0	%100
91	M121	X	-.188	-.188	0	%100
92	M121	Z	-.109	-.109	0	%100
93	M20	X	-.195	-.195	0	%100
94	M20	Z	-.112	-.112	0	%100
95	M78	X	-.195	-.195	0	%100
96	M78	Z	-.112	-.112	0	%100
97	M106	X	-.778	-.778	0	%100
98	M106	Z	-.449	-.449	0	%100
99	M198A	X	-1.022	-1.022	0	%100
100	M198A	Z	-.59	-.59	0	%100
101	M199A	X	-1.379	-1.379	0	%100
102	M199A	Z	-.796	-.796	0	%100
103	M196B	X	-1.022	-1.022	0	%100
104	M196B	Z	-.59	-.59	0	%100
105	M197B	X	-.345	-.345	0	%100
106	M197B	Z	-.199	-.199	0	%100
107	M58	X	-1.022	-1.022	0	%100
108	M58	Z	-.59	-.59	0	%100
109	M59	X	-.345	-.345	0	%100
110	M59	Z	-.199	-.199	0	%100
111	M60	X	-1.022	-1.022	0	%100
112	M60	Z	-.59	-.59	0	%100
113	M61	X	-1.379	-1.379	0	%100
114	M61	Z	-.796	-.796	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-.345	-.345	0	%100
118	M123	Z	-.199	-.199	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-.345	-.345	0	%100
122	M125	Z	-.199	-.199	0	%100
123	M75	X	-.338	-.338	0	%100
124	M75	Z	-.195	-.195	0	%100
125	M87A	X	-1.429	-1.429	0	%100
126	M87A	Z	-.825	-.825	0	%100
127	M92	X	-.357	-.357	0	%100
128	M92	Z	-.206	-.206	0	%100
129	M62	X	-.338	-.338	0	%100
130	M62	Z	-.195	-.195	0	%100
131	M63	X	-.357	-.357	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
132	M63	Z	-206	-206	0	%100
133	M64	X	-1.429	-1.429	0	%100
134	M64	Z	-825	-825	0	%100
135	M126A	X	-1.354	-1.354	0	%100
136	M126A	Z	-782	-782	0	%100
137	M127	X	-357	-357	0	%100
138	M127	Z	-206	-206	0	%100
139	M128	X	-357	-357	0	%100
140	M128	Z	-206	-206	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M142	X	-013	-013	0	%100
2	M142	Z	-023	-023	0	%100
3	M143A	X	-189	-189	0	%100
4	M143A	Z	-328	-328	0	%100
5	M144A	X	-211	-211	0	%100
6	M144A	Z	-365	-365	0	%100
7	M131	X	-377	-377	0	%100
8	M131	Z	-653	-653	0	%100
9	M132	X	-377	-377	0	%100
10	M132	Z	-653	-653	0	%100
11	M146A	X	-377	-377	0	%100
12	M146A	Z	-653	-653	0	%100
13	M147A	X	-377	-377	0	%100
14	M147A	Z	-653	-653	0	%100
15	M150	X	-551	-551	0	%100
16	M150	Z	-955	-955	0	%100
17	M151	X	-551	-551	0	%100
18	M151	Z	-955	-955	0	%100
19	M121A	X	-28	-28	0	%100
20	M121A	Z	-484	-484	0	%100
21	M137	X	-28	-28	0	%100
22	M137	Z	-484	-484	0	%100
23	M143	X	0	0	0	%100
24	M143	Z	0	0	0	%100
25	M70A	X	-281	-281	0	%100
26	M70A	Z	-487	-487	0	%100
27	M136A	X	-281	-281	0	%100
28	M136A	Z	-487	-487	0	%100
29	M138A	X	0	0	0	%100
30	M138A	Z	0	0	0	%100
31	M72A	X	-121	-121	0	%100
32	M72A	Z	-209	-209	0	%100
33	M41	X	-483	-483	0	%100
34	M41	Z	-837	-837	0	%100
35	M107	X	-121	-121	0	%100
36	M107	Z	-209	-209	0	%100
37	M74	X	-299	-299	0	%100
38	M74	Z	-518	-518	0	%100
39	M192B	X	-299	-299	0	%100
40	M192B	Z	-518	-518	0	%100
41	M54	X	0	0	0	%100
42	M54	Z	0	0	0	%100
43	M55	X	0	0	0	%100
44	M55	Z	0	0	0	%100
45	M118	X	-299	-299	0	%100
46	M118	Z	-518	-518	0	%100
47	M119	X	-299	-299	0	%100
48	M119	Z	-518	-518	0	%100
49	MP4A	X	-309	-309	0	%100
50	MP4A	Z	-536	-536	0	%100
51	MP2A	X	-309	-309	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
52	MP2A	Z	-.536	-.536	0	%100
53	MP1A	X	-.309	-.309	0	%100
54	MP1A	Z	-.536	-.536	0	%100
55	MP3A	X	-.309	-.309	0	%100
56	MP3A	Z	-.536	-.536	0	%100
57	MP4C	X	-.309	-.309	0	%100
58	MP4C	Z	-.536	-.536	0	%100
59	MP2C	X	-.309	-.309	0	%100
60	MP2C	Z	-.536	-.536	0	%100
61	MP1C	X	-.309	-.309	0	%100
62	MP1C	Z	-.536	-.536	0	%100
63	MP3C	X	-.309	-.309	0	%100
64	MP3C	Z	-.536	-.536	0	%100
65	MP4B	X	-.309	-.309	0	%100
66	MP4B	Z	-.536	-.536	0	%100
67	MP2B	X	-.309	-.309	0	%100
68	MP2B	Z	-.536	-.536	0	%100
69	MP1B	X	-.309	-.309	0	%100
70	MP1B	Z	-.536	-.536	0	%100
71	MP3B	X	-.309	-.309	0	%100
72	MP3B	Z	-.536	-.536	0	%100
73	OVPI	X	-.267	-.267	0	%100
74	OVPI	Z	-.463	-.463	0	%100
75	M116B	X	-.398	-.398	0	%100
76	M116B	Z	-.689	-.689	0	%100
77	M120A	X	-.398	-.398	0	%100
78	M120A	Z	-.689	-.689	0	%100
79	M128A	X	0	0	0	%100
80	M128A	Z	0	0	0	%100
81	M79	X	-.326	-.326	0	%100
82	M79	Z	-.564	-.564	0	%100
83	M193B	X	0	0	0	%100
84	M193B	Z	0	0	0	%100
85	M56	X	-.326	-.326	0	%100
86	M56	Z	-.564	-.564	0	%100
87	M57	X	-.326	-.326	0	%100
88	M57	Z	-.564	-.564	0	%100
89	M120	X	0	0	0	%100
90	M120	Z	0	0	0	%100
91	M121	X	-.326	-.326	0	%100
92	M121	Z	-.564	-.564	0	%100
93	M20	X	-.337	-.337	0	%100
94	M20	Z	-.584	-.584	0	%100
95	M78	X	0	0	0	%100
96	M78	Z	0	0	0	%100
97	M106	X	-.337	-.337	0	%100
98	M106	Z	-.584	-.584	0	%100
99	M198A	X	-.197	-.197	0	%100
100	M198A	Z	-.341	-.341	0	%100
101	M199A	X	-.597	-.597	0	%100
102	M199A	Z	-1.034	-1.034	0	%100
103	M196B	X	-.197	-.197	0	%100
104	M196B	Z	-.341	-.341	0	%100
105	M197B	X	0	0	0	%100
106	M197B	Z	0	0	0	%100
107	M58	X	-.786	-.786	0	%100
108	M58	Z	-1.362	-1.362	0	%100
109	M59	X	-.597	-.597	0	%100
110	M59	Z	-1.034	-1.034	0	%100
111	M60	X	-.786	-.786	0	%100
112	M60	Z	-1.362	-1.362	0	%100
113	M61	X	-.597	-.597	0	%100
114	M61	Z	-1.034	-1.034	0	%100
115	M122	X	-.197	-.197	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
116	M122	Z	-.341	-.341	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-.197	-.197	0	%100
120	M124	Z	-.341	-.341	0	%100
121	M125	X	-.597	-.597	0	%100
122	M125	Z	-1.034	-1.034	0	%100
123	M75	X	-.586	-.586	0	%100
124	M75	Z	-1.015	-1.015	0	%100
125	M87A	X	-.619	-.619	0	%100
126	M87A	Z	-1.072	-1.072	0	%100
127	M92	X	0	0	0	%100
128	M92	Z	0	0	0	%100
129	M62	X	0	0	0	%100
130	M62	Z	0	0	0	%100
131	M63	X	-.619	-.619	0	%100
132	M63	Z	-1.072	-1.072	0	%100
133	M64	X	-.619	-.619	0	%100
134	M64	Z	-1.072	-1.072	0	%100
135	M126A	X	-.586	-.586	0	%100
136	M126A	Z	-1.015	-1.015	0	%100
137	M127	X	0	0	0	%100
138	M127	Z	0	0	0	%100
139	M128	X	-.619	-.619	0	%100
140	M128	Z	-1.072	-1.072	0	%100

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
1	M107	Y	-.25	-4.501	14.345	25.821
2	M107	Y	-4.501	-7.626	25.821	37.297
3	M107	Y	-7.626	-6.447	37.297	48.773
4	M107	Y	-6.447	-3.896	48.773	60.249
5	M107	Y	-3.896	-.428	60.249	71.725
6	M108	Y	-.425	-.425	0	1.939
7	M109	Y	-.406	-.406	.058	2
8	M113	Y	-.633	-.633	0	4.792
9	M116	Y	-.627	-.627	0	4.792
10	M118	Y	-.551	-2.922	0	5.719
11	M118	Y	-2.922	-4.41	5.719	11.439
12	M118	Y	-4.41	-4.131	11.439	17.158
13	M118	Y	-4.131	-1.835	17.158	22.878
14	M118	Y	-1.835	-.119	22.878	28.597
15	M119	Y	-.505	-3.547	0	5.719
16	M119	Y	-3.547	-4.789	5.719	11.439
17	M119	Y	-4.789	-3.185	11.439	17.158
18	M119	Y	-3.185	-1.006	17.158	22.878
19	M119	Y	-1.006	-.152	22.878	28.597
20	M120	Y	-.276	-2.654	0	11.085
21	M120	Y	-2.654	-4.492	11.085	22.17
22	M120	Y	-4.492	-4.588	22.17	33.255
23	M120	Y	-4.588	-2.785	33.255	44.34
24	M120	Y	-2.785	-.284	44.34	55.426
25	M121	Y	-1.866	-2.941	0	11.085
26	M121	Y	-2.941	-4.042	11.085	22.17
27	M121	Y	-4.042	-3.992	22.17	33.255
28	M121	Y	-3.992	-2.398	33.255	44.34
29	M121	Y	-2.398	-.434	44.34	55.426
30	M41	Y	-.238	-4.535	14.345	25.821
31	M41	Y	-4.535	-7.822	25.821	37.297
32	M41	Y	-7.822	-6.669	37.297	48.773
33	M41	Y	-6.669	-4.144	48.773	60.249
34	M41	Y	-4.144	-.673	60.249	71.725
35	M42	Y	-.629	-.629	0	2

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
36	M43	Y	-411	-411	.058	2
37	M49	Y	-.058	-.672	0	1.597
38	M49	Y	-.672	-.934	1.597	3.195
39	M49	Y	-.934	-.232	3.195	4.792
40	M52	Y	-.742	-.742	0	3.998
41	M54	Y	-1.173	-3.21	0	6.355
42	M54	Y	-3.21	-3.982	6.355	12.71
43	M54	Y	-3.982	-2.873	12.71	19.065
44	M54	Y	-2.873	-1.395	19.065	25.42
45	M54	Y	-1.395	-.168	25.42	31.774
46	M55	Y	-1.626	-3.631	0	5.719
47	M55	Y	-3.631	-3.781	5.719	11.439
48	M55	Y	-3.781	-3.233	11.439	17.158
49	M55	Y	-3.233	-1.818	17.158	22.878
50	M55	Y	-1.818	-.1	22.878	28.597
51	M56	Y	-.504	-3.314	0	11.085
52	M56	Y	-3.314	-4.722	11.085	22.17
53	M56	Y	-4.722	-4.013	22.17	33.255
54	M56	Y	-4.013	-2.502	33.255	44.34
55	M56	Y	-2.502	-.904	44.34	55.426
56	M57	Y	-1.549	-3.254	0	11.085
57	M57	Y	-3.254	-3.493	11.085	22.17
58	M57	Y	-3.493	-3.221	22.17	33.255
59	M57	Y	-3.221	-2.803	33.255	44.34
60	M57	Y	-2.803	-1.283	44.34	55.426
61	M72A	Y	-.248	-4.502	14.345	25.821
62	M72A	Y	-4.502	-7.613	25.821	37.297
63	M72A	Y	-7.613	-6.407	37.297	48.773
64	M72A	Y	-6.407	-3.862	48.773	60.249
65	M72A	Y	-3.862	-.43	60.249	71.725
66	M82	Y	-.425	-.425	0	1.939
67	M83	Y	-.406	-.406	.058	2
68	M126	Y	-.627	-.627	0	4.792
69	M191B	Y	-.627	-.627	0	4.792
70	M74	Y	-.541	-2.942	0	5.719
71	M74	Y	-2.942	-4.459	5.719	11.439
72	M74	Y	-4.459	-4.187	11.439	17.158
73	M74	Y	-4.187	-1.86	17.158	22.878
74	M74	Y	-1.86	-.12	22.878	28.597
75	M192B	Y	-.505	-3.547	0	5.719
76	M192B	Y	-3.547	-4.789	5.719	11.439
77	M192B	Y	-4.789	-3.185	11.439	17.158
78	M192B	Y	-3.185	-1.006	17.158	22.878
79	M192B	Y	-1.006	-.152	22.878	28.597
80	M79	Y	-2.333	-2.637	0	11.085
81	M79	Y	-2.637	-3.888	11.085	22.17
82	M79	Y	-3.888	-4.412	22.17	33.255
83	M79	Y	-4.412	-2.618	33.255	44.34
84	M79	Y	-2.618	-.183	44.34	55.426
85	M193B	Y	-1.866	-2.941	0	11.085
86	M193B	Y	-2.941	-4.042	11.085	22.17
87	M193B	Y	-4.042	-3.992	22.17	33.255
88	M193B	Y	-3.992	-2.398	33.255	44.34
89	M193B	Y	-2.398	-.434	44.34	55.426

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft.F,ksf]	Start Location[in, %]	End Location[in, %]
1	M107	Y	-.55	-9.903	14.345	25.821
2	M107	Y	-9.903	-16.777	25.821	37.297
3	M107	Y	-16.777	-14.183	37.297	48.773
4	M107	Y	-14.183	-8.57	48.773	60.249
5	M107	Y	-8.57	-.941	60.249	71.725
6	M108	Y	-.934	-.934	0	1.939

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
7	M109	Y	-894	-894	.058	2
8	M113	Y	-1.392	-1.392	0	4.792
9	M116	Y	-1.38	-1.38	0	4.792
10	M118	Y	-1.212	-6.427	0	5.719
11	M118	Y	-6.427	-9.701	5.719	11.439
12	M118	Y	-9.701	-9.089	11.439	17.158
13	M118	Y	-9.089	-4.036	17.158	22.878
14	M118	Y	-4.036	-.261	22.878	28.597
15	M119	Y	-1.11	-7.803	0	5.719
16	M119	Y	-7.803	-10.535	5.719	11.439
17	M119	Y	-10.535	-7.007	11.439	17.158
18	M119	Y	-7.007	-2.213	17.158	22.878
19	M119	Y	-2.213	-.335	22.878	28.597
20	M120	Y	-.608	-5.838	0	11.085
21	M120	Y	-5.838	-9.881	11.085	22.17
22	M120	Y	-9.881	-10.094	22.17	33.255
23	M120	Y	-10.094	-6.128	33.255	44.34
24	M120	Y	-6.128	-.625	44.34	55.426
25	M121	Y	-4.105	-6.47	0	11.085
26	M121	Y	-6.47	-8.891	11.085	22.17
27	M121	Y	-8.891	-8.783	22.17	33.255
28	M121	Y	-8.783	-5.275	33.255	44.34
29	M121	Y	-5.275	-.955	44.34	55.426
30	M41	Y	-.524	-9.977	14.345	25.821
31	M41	Y	-9.977	-17.209	25.821	37.297
32	M41	Y	-17.209	-14.672	37.297	48.773
33	M41	Y	-14.672	-9.117	48.773	60.249
34	M41	Y	-9.117	-1.481	60.249	71.725
35	M42	Y	-1.383	-1.383	0	2
36	M43	Y	-.904	-.904	.058	2
37	M49	Y	-.129	-1.478	0	1.597
38	M49	Y	-1.478	-2.055	1.597	3.195
39	M49	Y	-2.055	-.51	3.195	4.792
40	M52	Y	-1.631	-1.631	0	3.998
41	M54	Y	-2.581	-7.062	0	6.355
42	M54	Y	-7.062	-8.761	6.355	12.71
43	M54	Y	-8.761	-6.32	12.71	19.065
44	M54	Y	-6.32	-3.07	19.065	25.42
45	M54	Y	-3.07	-.371	25.42	31.774
46	M55	Y	-3.577	-7.988	0	5.719
47	M55	Y	-7.988	-8.319	5.719	11.439
48	M55	Y	-8.319	-7.112	11.439	17.158
49	M55	Y	-7.112	-4	17.158	22.878
50	M55	Y	-4	-.221	22.878	28.597
51	M56	Y	-1.108	-7.291	0	11.085
52	M56	Y	-7.291	-10.388	11.085	22.17
53	M56	Y	-10.388	-8.828	22.17	33.255
54	M56	Y	-8.828	-5.505	33.255	44.34
55	M56	Y	-5.505	-1.989	44.34	55.426
56	M57	Y	-3.408	-7.158	0	11.085
57	M57	Y	-7.158	-7.684	11.085	22.17
58	M57	Y	-7.684	-7.086	22.17	33.255
59	M57	Y	-7.086	-6.167	33.255	44.34
60	M57	Y	-6.167	-2.822	44.34	55.426
61	M72A	Y	-.546	-9.905	14.345	25.821
62	M72A	Y	-9.905	-16.749	25.821	37.297
63	M72A	Y	-16.749	-14.095	37.297	48.773
64	M72A	Y	-14.095	-8.497	48.773	60.249
65	M72A	Y	-8.497	-.947	60.249	71.725
66	M82	Y	-.934	-.934	0	1.939
67	M83	Y	-.894	-.894	.058	2
68	M126	Y	-1.38	-1.38	0	4.792
69	M191B	Y	-1.38	-1.38	0	4.792
70	M74	Y	-1.189	-6.473	0	5.719

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

	Member Label	Direction	Start Magnitude[lb...	End Magnitude[lb/ft,F,ksf]	Start Location[in, %]	End Location[in, %]
71	M74	Y	-6.473	-9.81	5.719	11.439
72	M74	Y	-9.81	-9.212	11.439	17.158
73	M74	Y	-9.212	-4.092	17.158	22.878
74	M74	Y	-4.092	-.264	22.878	28.597
75	M192B	Y	-1.11	-7.803	0	5.719
76	M192B	Y	-7.803	-10.535	5.719	11.439
77	M192B	Y	-10.535	-7.007	11.439	17.158
78	M192B	Y	-7.007	-2.213	17.158	22.878
79	M192B	Y	-2.213	-.335	22.878	28.597
80	M79	Y	-5.133	-5.801	0	11.085
81	M79	Y	-5.801	-8.555	11.085	22.17
82	M79	Y	-8.555	-9.707	22.17	33.255
83	M79	Y	-9.707	-5.76	33.255	44.34
84	M79	Y	-5.76	-.403	44.34	55.426
85	M193B	Y	-4.105	-6.47	0	11.085
86	M193B	Y	-6.47	-8.891	11.085	22.17
87	M193B	Y	-8.891	-8.783	22.17	33.255
88	M193B	Y	-8.783	-5.275	33.255	44.34
89	M193B	Y	-5.275	-.955	44.34	55.426

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N159A	N157A	N163A	N168A	Y	Two Way	-.005
2	N78	N80	N91	N85	Y	Two Way	-.005
3	N292B	N115	N297A	N198C	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N159A	N157A	N163A	N168A	Y	Two Way	-.011
2	N78	N80	N91	N85	Y	Two Way	-.011
3	N292B	N115	N297A	N198C	Y	Two Way	-.011

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [lb-ft]	LC	MY [lb-ft]	LC	MZ [lb-ft]	LC
1	N112A	max	1582.719	10	2798.863	13	1978.382	1	6798.136	1	2032.516	4	2207.621	4
2		min	-1571.488	4	-187.177	7	-2563.158	7	-3520.744	7	-2054.474	10	-2279.65	10
3	N62	max	1621.092	10	2544.606	21	1513.938	1	2033.814	2	1997.437	12	2696.631	3
4		min	-2104.039	4	-312.455	3	-1178.878	7	-3658.229	8	-1983.135	6	-5531.061	9
5	N145A	max	1963.718	11	2595.891	17	1640.957	1	2086.981	12	1970.006	8	5525.476	5
6		min	-1494.095	5	-264.853	11	-1391.24	7	-3744.568	6	-1998.301	2	-2695.943	11
7	Totals:	max	5104.979	10	6956.385	15	5133.277	1						
8		min	-5104.982	4	3327.988	9	-5133.277	7						

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

Member	Shape	Code Check	Loc[in]	LC	She...	Lo...	phi*P...	phi*P...	phi*...	phi*...	Eqn
1	M142 PIPE 2.0	.024	24.248	15	.009	0	6	2641...	32130	1871...	H1-1b
2	M143A PIPE 2.0	.028	26.685	19	.021	0	...	2534...	32130	1871...	H1-1b
3	M144A PIPE 2.0	.027	26.199	23	.025	52...	9	2556...	32130	1871...	H1-1b
4	M131 L3X3X4	.049	24.142	11	.007	47...	z	3307...	46656	1688...	H2-1
5	M132 L3X3X4	.049	24.142	3	.006	47...	y	3307...	46656	1688...	H2-1
6	M146A L3X3X4	.051	24.142	3	.005	47...	z	3307...	46656	1688...	H2-1
7	M147A L3X3X4	.049	24.142	7	.005	47...	y	2	3307...	46656	H2-1
8	M150 L3X3X4	.050	24.142	7	.005	0	z	7	3307...	46656	H2-1
9	M151 L3X3X4	.050	24.142	11	.005	0	y	6	3307...	46656	H2-1
10	M121A L2.5x2...	.097	0	8	.031	0	z	4	3638...	38556	H2-1
11	M137 L2.5x2...	.098	0	12	.030	0	z	8	3638...	38556	H2-1
12	M143 L2.5x2...	.130	0	2	.038	16	z	1	3638...	38556	H2-1
13	M70A PIPE 2.5	.283	45.5	11	.112	45.5	...	1346...	50715	3596...	H1-1b
14	M136A PIPE 2.5	.267	45.5	4	.119	10...	4	1346...	50715	3596...	H1-1b

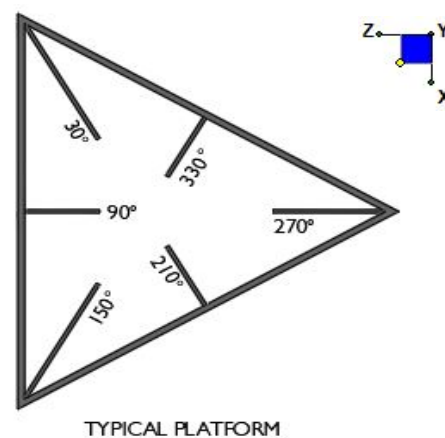
Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[in]	LC	Shear	Lo	phi*P	phi*P	phi*	phi*	Eqn		
15	M138A	PIPE_2.5	.278	45.5	7	.122	10...	8	1346...	50715	3596...	3596...	H1-1b	
16	M72A	HSS4X...	.437	0	1	.208	0 z	...	1201...	1395...	1618...	1618...	H1-1b	
17	M41	HSS4X...	.408	0	9	.182	0 z	...	1201...	1395...	1618...	1618...	H1-1b	
18	M107	HSS4X...	.409	0	5	.181	0 z	8	1201...	1395...	1618...	1618...	H1-1b	
19	M74	HSS4X...	.143	0	12	.044	0 y	...	1354...	1395...	1618...	1618...	H1-1b	
20	M192B	HSS4X...	.148	0	2	.045	0 y	3	1354...	1395...	1618...	1618...	H1-1b	
21	M54	HSS4X...	.143	0	8	.044	0 y	7	1354...	1395...	1618...	1618...	H1-1b	
22	M55	HSS4X...	.153	0	10	.048	0 y	...	1354...	1395...	1618...	1618...	H1-1b	
23	M118	HSS4X...	.145	0	4	.045	0 y	3	1354...	1395...	1618...	1618...	H1-1b	
24	M119	HSS4X...	.149	0	6	.046	0 y	7	1354...	1395...	1618...	1618...	H1-1b	
25	MP4A	PIPE_2.0	.265	64.5	4	.050	64.5	5	2086...	32130	1871...	1871...	H1-1b	
26	MP2A	PIPE_2.0	.403	64.5	10	.077	22.5	2	2086...	32130	1871...	1871...	H1-1b	
27	MP1A	PIPE_2.0	.255	64.5	10	.051	64.5	9	2086...	32130	1871...	1871...	H1-1b	
28	MP3A	PIPE_2.0	.383	64.5	5	.080	64.5	3	2086...	32130	1871...	1871...	H1-1b	
29	MP4C	PIPE_2.0	.255	64.5	12	.048	64.5	1	2086...	32130	1871...	1871...	H1-1b	
30	MP2C	PIPE_2.0	.408	64.5	6	.072	22.5	...	2086...	32130	1871...	1871...	H1-1b	
31	MP1C	PIPE_2.0	.259	64.5	6	.051	64.5	5	2086...	32130	1871...	1871...	H1-1b	
32	MP3C	PIPE_2.0	.384	64.5	1	.057	64.5	...	2086...	32130	1871...	1871...	H1-1b	
33	MP4B	PIPE_2.0	.248	64.5	8	.046	64.5	9	2086...	32130	1871...	1871...	H1-1b	
34	MP2B	PIPE_2.0	.420	64.5	2	.073	64.5	3	2086...	32130	1871...	1871...	H1-1b	
35	MP1B	PIPE_2.0	.260	64.5	2	.042	64.5	1	2086...	32130	1871...	1871...	H1-1b	
36	MP3B	PIPE_2.0	.375	64.5	9	.057	64.5	7	2086...	32130	1871...	1871...	H1-1b	
37	OVP1	PIPE_2.0	.239	35.875	1	.020	35...	1	2774...	32130	1871...	1871...	H1-1b	
38	M116B	L6X4X8	.065	9	10	.078	9 z	...	1504...	1539...	6636...	1985...	H2-1	
39	M120A	L6X4X8	.063	9	2	.076	9 z	2	1504...	1539...	6636...	1985...	H2-1	
40	M128A	L6X4X8	.062	9	6	.074	9 z	6	1504...	1539...	6636...	1985...	H2-1	
41	M79	L2x2x3	.150	55.426	12	.007	0 y	...	8034...	2339...	557.7...	1032...	H2-1	
42	M193B	L2x2x3	.186	34.064	2	.008	0 y	3	8034...	2339...	557.7...	1148...	H2-1	
43	M56	L2x2x3	.151	55.426	8	.008	0 y	...	8034...	2339...	557.7...	1035...	H2-1	
44	M57	L2x2x3	.182	34.064	10	.009	0 y	...	8034...	2339...	557.7...	1145...	H2-1	
45	M120	L2x2x3	.154	55.426	4	.007	55...	y	8034...	2339...	557.7...	1025...	H2-1	
46	M121	L2x2x3	.185	33.486	6	.008	0 y	7	8034...	2339...	557.7...	1142...	H2-1	
47	M20	PIPE_3.0	.177	35.937	3	.049	56...	4	3212...	65205	5748...	5748...	H1-1b	
48	M78	PIPE_3.0	.177	35.937	11	.050	34.5	9	3212...	65205	5748...	5748...	H1-1b	
49	M106	PIPE_3.0	.187	35.937	1	.048	34.5	5	3212...	65205	5748...	5748...	H1-1b	
50	M198A	PL3/8x6	.283	0	6	.235	0 y	2	7126...	72900	569.5...	9112.5...	H1-1b	
51	M199A	PL3/8x6	.229	2	6	.319	0 y	...	7160...	72900	569.5...	9112.5...	H1-1b	
52	M196B	PL3/8x6	.261	0	2	.233	0 y	...	7126...	72900	569.5...	9112.5...	H1-1b	
53	M197B	PL3/8x6	.245	2	8	.325	0 y	2	7160...	72900	569.5...	9112.5...	H1-1b	
54	M58	PL3/8x6	.294	0	2	.225	0 y	...	7126...	72900	569.5...	9112.5...	H1-1b	
55	M59	PL3/8x6	.239	2	2	.320	0 y	8	7160...	72900	569.5...	9112.5...	H1-1b	
56	M60	PL3/8x6	.250	0	4	.213	0 y	7	7126...	72900	569.5...	9112.5...	H1-1b	
57	M61	PL3/8x6	.247	2	4	.339	0 y	...	7160...	72900	569.5...	9112.5...	H1-1b	
58	M122	PL3/8x6	.284	0	4	.219	0 y	6	7126...	72900	569.5...	9112.5...	H1-1b	
59	M123	PL3/8x6	.228	2	10	.327	0 y	4	7160...	72900	569.5...	9112.5...	H1-1b	
60	M124	PL3/8x6	.251	0	6	.223	0 y	3	7126...	72900	569.5...	9112.5...	H1-1b	
61	M125	PL3/8x6	.241	2	12	.328	0 y	6	7160...	72900	569.5...	9112.5...	H1-1b	
62	M75	PL1/2x6	.163	6.562	6	.104	6.5...	y	5	6289...	97200	1012.5...	12150...	H1-1b
63	M87A	PL1/2x6	.043	0	6	.044	0 y	2	9664...	97200	1012.5...	12150...	H1-1b	
64	M92	PL1/2x6	.043	0	2	.075	1.5 y	6	9664...	97200	1012.5...	12150...	H1-1b	
65	M62	PL1/2x6	.169	6.562	2	.104	13...	y	...	6289...	97200	1012.5...	12150...	H1-1b
66	M63	PL1/2x6	.045	0	2	.047	1.5 y	4	9664...	97200	1012.5...	12150...	H1-1b	
67	M64	PL1/2x6	.041	0	4	.072	1.5 y	2	9664...	97200	1012.5...	12150...	H1-1b	
68	M126A	PL1/2x6	.161	6.562	10	.103	6.5...	y	9	6289...	97200	1012.5...	12150...	H1-1b
69	M127	PL1/2x6	.043	0	4	.046	1.5 y	...	9664...	97200	1012.5...	12150...	H1-1b	
70	M128	PL1/2x6	.042	0	6	.073	1.5 y	...	9664...	97200	1012.5...	12150...	H1-1b	

I. Mount-to-Tower Connection Check

RISA Model Data

Nodes (labeled per RISA)	Orientation (per graphic of typical platform)
N112A	270
N62	30
N145A	150



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):

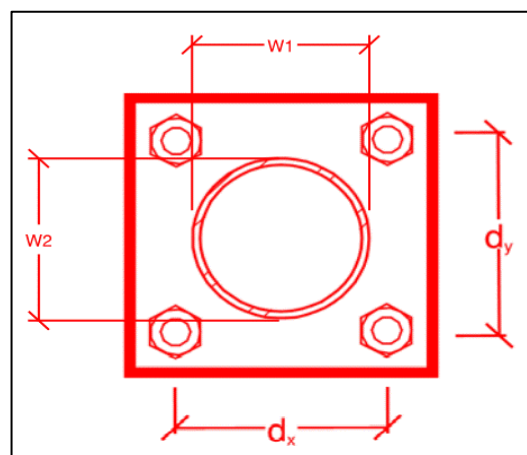
Tensile Strength / bolt (kips):

Shear Strength / bolt (kips):

Tensile Capacity Overall:

Shear Capacity Overall:

yes
4
6
6
A325N
0.625
29.2
11.1
20.7
12.4
35.2%*
22.3%



*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
0.625
5
6.96
3.95
58.8%
56.8%

Max Plate Bending Strengths

Mu_{xx} (kip-in) :	14.6
$\Phi \cdot Mn_{xx}$ (kip-in) :	25.3
Mu_{yy} (kip-in) :	0.3
$\Phi \cdot Mn_{yy}$ (kip-in) :	25.3

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

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

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 installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

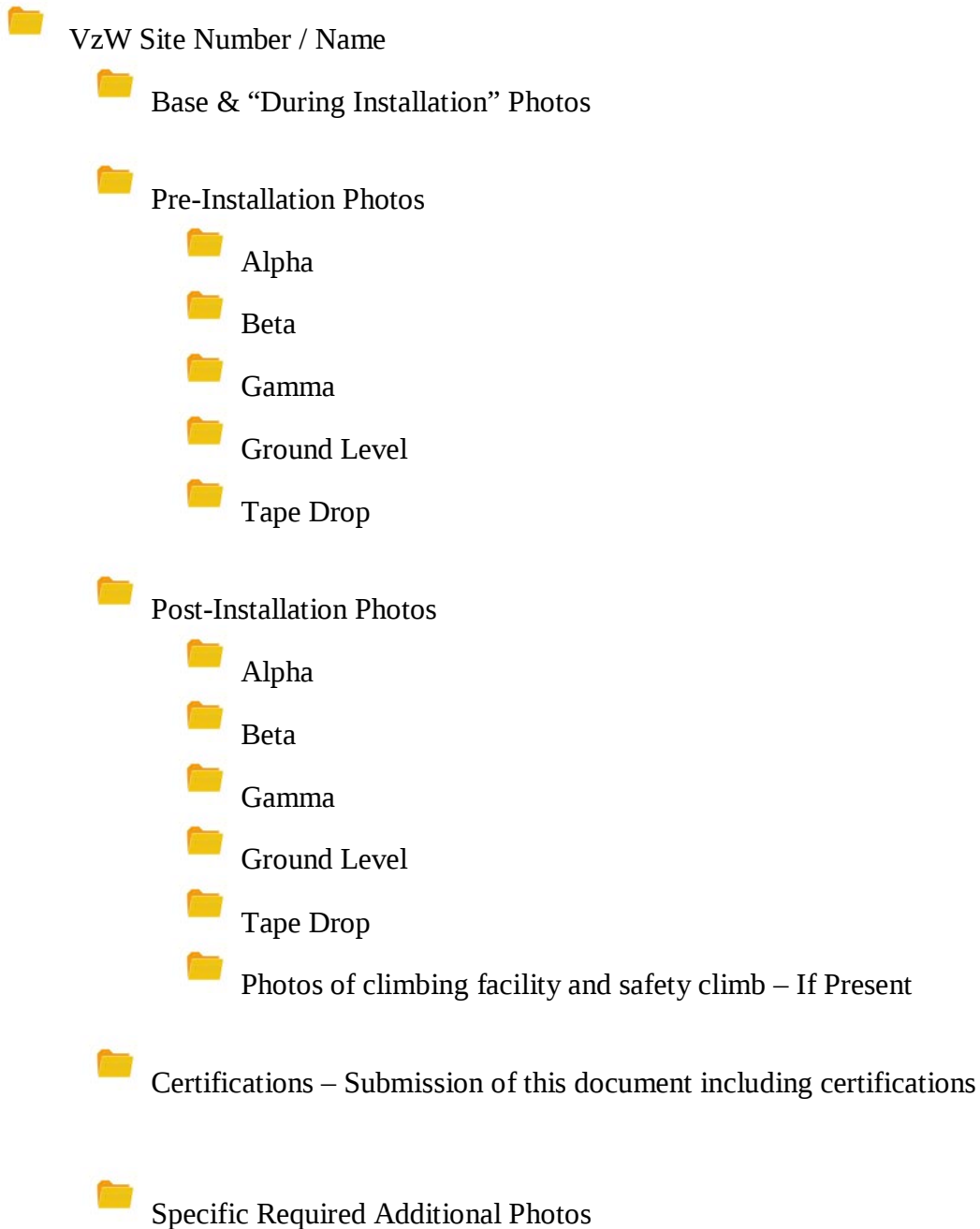
- Any special photos outside of the standard requirements will be indicated on the passing MA
- Verification that loading is as communicated in the Passing Mount Analysis. NOTE If loading is different than what is conveyed contact Maser Consulting Connecticut immediately.
- Each photo should be time 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 equipment 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 equipment.
 - 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

--

Schedule A – Photo & Document File Structure

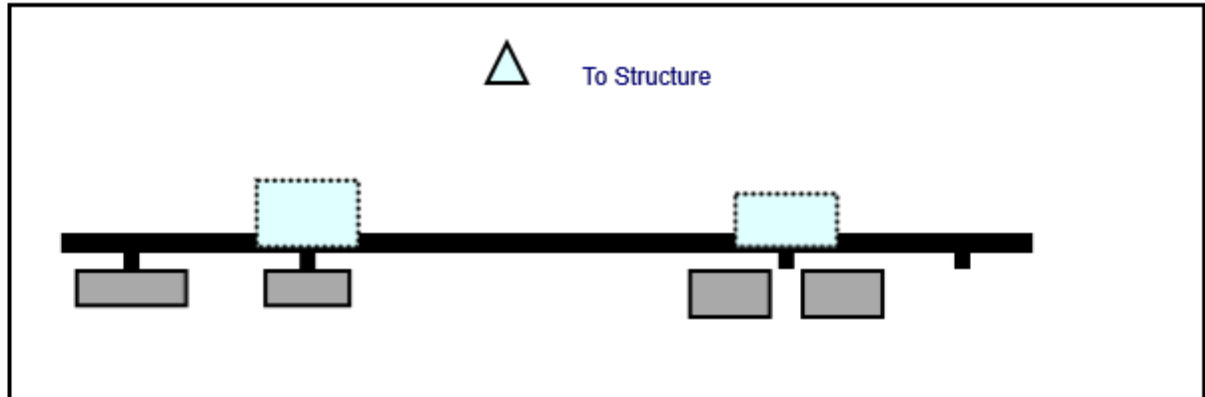
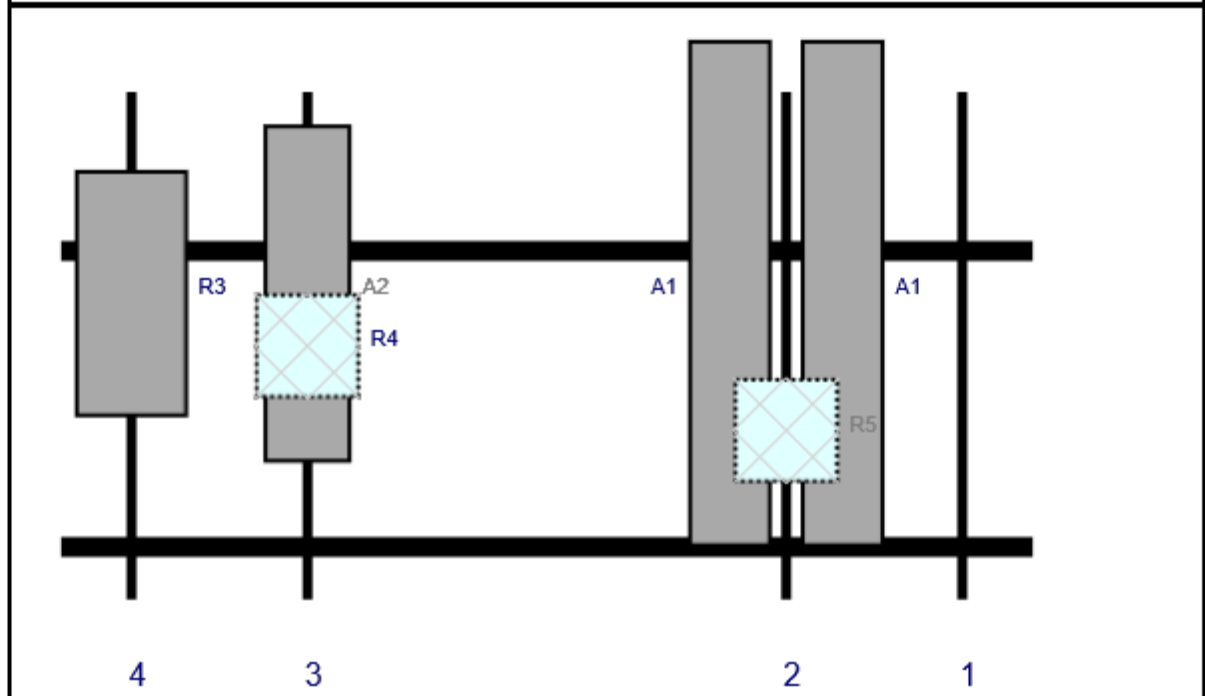


Sector: **A**
 Structure Type: Monopole
 Mount Elev: 137.00

7/21/2021

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
A1	NHH-65B-R2B	72	11.9	103	2	a	Front	28.56	8	Retained	06/12/2021
A1	NHH-65B-R2B	72	11.9	103	2	b	Front	28.56	-8	Retained	06/12/2021
R5	B5/B13 RRH-BR04C	15	15	103	2	a	Behind	48	0	Retained	06/12/2021
A2	DB854DG65ESX	48	12.5	35	3	a	Front	28.56	0	Retained	06/12/2021
R4	B2/B66A RRH-BR049	15	15	35	3	a	Behind	36	0	Retained	06/12/2021
R3	MT6407-77A	35.1	16.1	10	4	a	Front	28.56	0	Added	

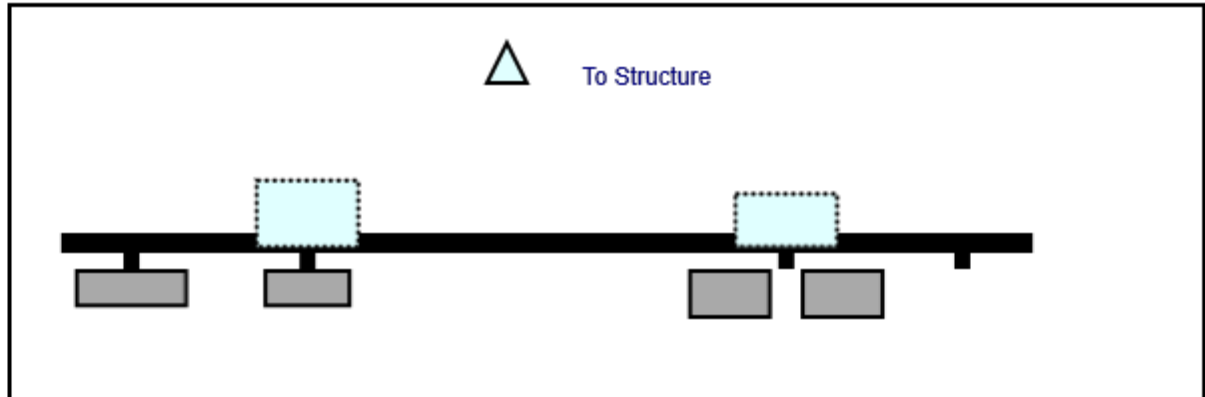
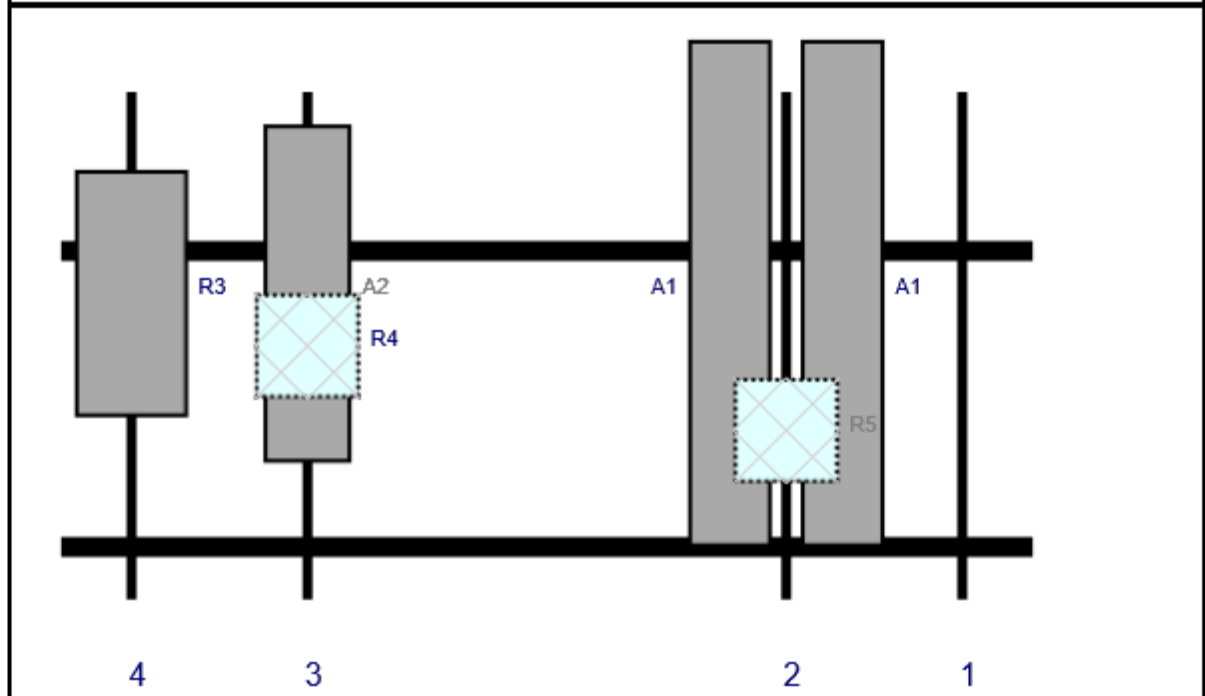
Sector: **B**
 Structure Type: Monopole
 Mount Elev: 137.00

10071803

7/21/2021

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
A1	NHH-65B-R2B	72	11.9	103	2	a	Front	28.56	8	Retained	06/12/2021
A1	NHH-65B-R2B	72	11.9	103	2	b	Front	28.56	-8	Retained	06/12/2021
R5	B5/B13 RRH-BR04C	15	15	103	2	a	Behind	48	0	Retained	06/12/2021
A2	DB854DG65ESX	48	12.5	35	3	a	Front	28.56	0	Retained	06/12/2021
R4	B2/B66A RRH-BR049	15	15	35	3	a	Behind	36	0	Retained	06/12/2021
R3	MT6407-77A	35.1	16.1	10	4	a	Front	28.56	0	Added	

Sector: C

7/21/2021

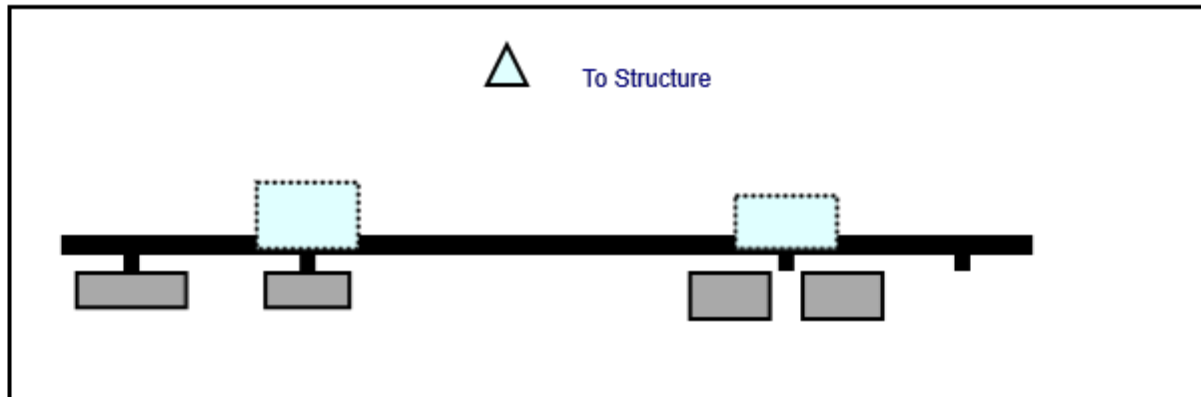
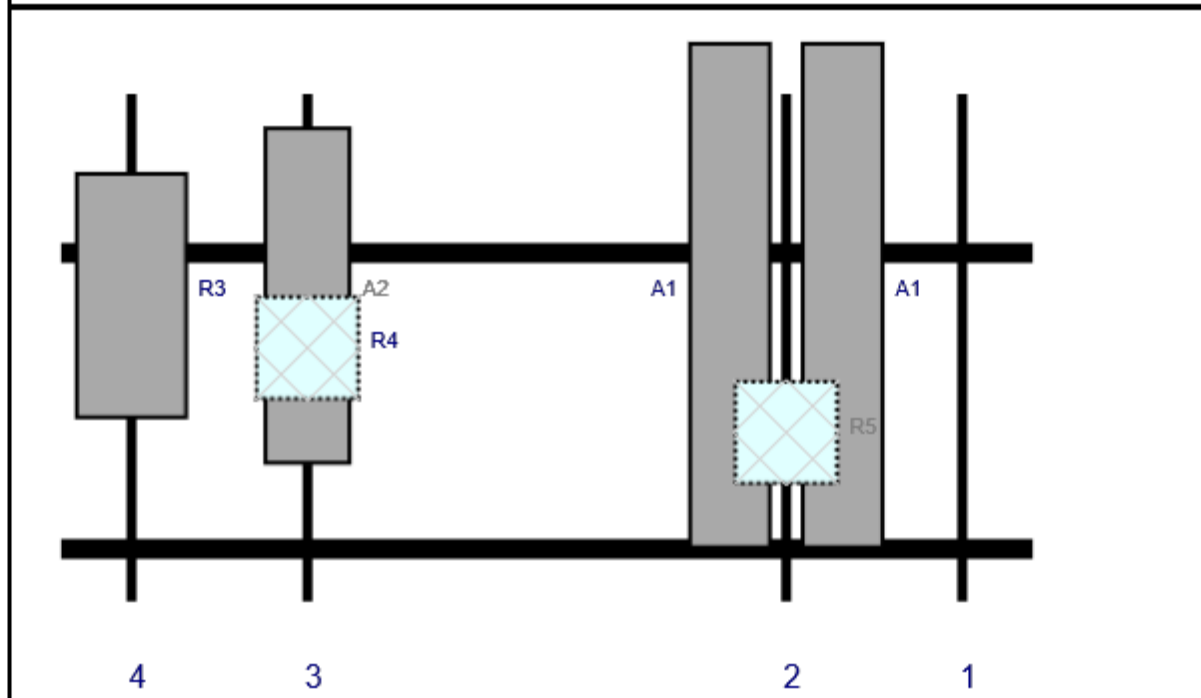
Structure Type: Monopole

10071803

Mount Elev: 137.00

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
A1	NHH-65B-R2B	72	11.9	103	2	a	Front	28.56	8	Retained	06/12/2021
A1	NHH-65B-R2B	72	11.9	103	2	b	Front	28.56	-8	Retained	06/12/2021
R5	B5/B13 RRH-BR04C	15	15	103	2	a	Behind	48	0	Retained	06/12/2021
A2	DB854DG65ESX	48	12.5	35	3	a	Front	28.56	0	Retained	06/12/2021
R4	B2/B66A RRH-BR049	15	15	35	3	a	Behind	36	0	Retained	06/12/2021
R3	MT6407-77A	35.1	16.1	10	4	a	Front	28.56	0	Added	

Subject

TIA-222-H Usage

Site Information

Site ID: 468546-VZW / BETHANY NORTH CT
Site Name: BETHANY NORTH CT
Carrier Name: Verizon Wireless
Address: 719 Amity Road
Bethany, Connecticut 06524,
New Haven County
Latitude: 41.442757°
Longitude: -72.992458°

Structure Information

Tower Type: 145-Ft Monopole
Mount Type: 11.50-Ft Platform

To Whom It May Concern,

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

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

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

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

Sincerely,

Justin Linette, PE
Sr. Technical Manager

Exhibit F

Power Density/RF Emissions Report

Site Name: **BETHANY NORTH 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	499	1996	140	0.0037	0.5007	0.73%
VZW CDMA	877.26	2	390	780	140	0.0014	0.5848	0.24%
VZW Cellular	874	4	527	2109	140	0.0039	0.5827	0.66%
VZW PCS	1975	4	1104	4416	140	0.0081	1.0000	0.81%
VZW AWS	2120	4	1225	4898	140	0.0090	1.0000	0.90%
VZW CBAND	3730.08	2	21627	43254	140	0.0794	1.0000	7.94%
Total Percentage of Maximum Permissible Exposure								11.29%

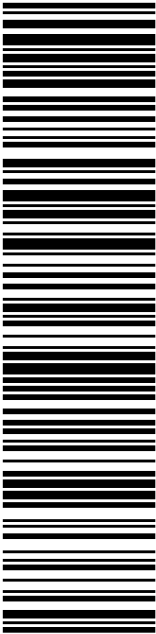
*Guidelines adopted by the FCC on August 1, 1996, 47 CFR Part 1 based on NCRP Report 86, 1986 and generally on ANSI/IEEE C95.1-1992
**Calculation includes a -10 dB Off Beam Antenna Pattern Adjustment pursuant to Attachments B and C of the Siting Council's November 10, 2015 Memorandum for Exempt Modification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

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

Absolute worst case maximum values used.

Exhibit G

Recipient Mailings

 Click-N-Ship®	
P	usps.com US POSTAGE Flat Rate Env 01/14/2022 Mailed from 01566
US POSTAGE PAID Click-N-Ship®	
PRIORITY MAIL 2-DAY™	
Expected Delivery Date: 01/18/22 Re#: CR-841295 0006	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
SHIP TO: PAULA COFRANCESCO FIRST SELECTWOMAN 40 PECK RD BETHANY CT 06524-3322	
USPS TRACKING #  9405 5036 9930 0136 5378 75	
Electronic Rate Approved #038555749	



Cut on dotted line.

Instructions

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

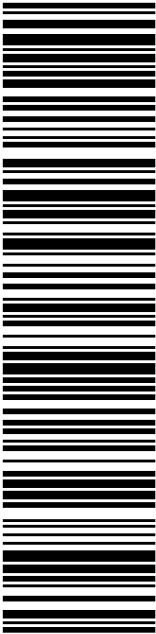
Click-N-Ship® Label Record

USPS TRACKING # : 9405 5036 9930 0136 5378 75	
Trans. #: 554077318 Print Date: 01/14/2022 Ship Date: 01/14/2022 Expected Delivery Date: 01/18/2022	Priority Mail® Postage: \$8.95 Total: \$8.95
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: PAULA COFRANCESCO FIRST SELECTWOMAN 40 PECK RD BETHANY CT 06524-3322	
Re#: CR-841295	
* 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.	



**UNITED STATES
POSTAL SERVICE®**

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

 Click-N-Ship®	
P	usps.com US POSTAGE Flat Rate Env 01/14/2022 Mailed from 01566
PRIORITY MAIL 2-DAY™	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 01/18/22 Ref#: CR-841295 0006
SHIP TO: LINA FRAZER ZONING ENFORCEMENT OFFICER 40 PECK RD BETHANY CT 06524-3322	
USPS TRACKING #  9405 5036 9930 0136 5378 82	
Electronic Rate Approved #038555749	

✂ ————— Cut on dotted line.

Instructions

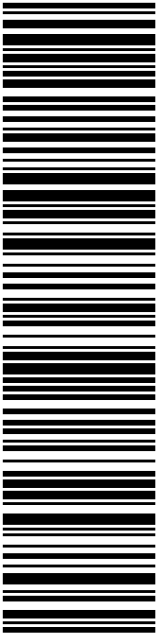
- Each Click-N-Ship® label is unique. Labels are to be used as printed and used only once. DO NOT PHOTO COPY OR ALTER LABEL.
- Place your label so it does not wrap around the edge of the package.
- Adhere your label to the package. A self-adhesive label is recommended. If tape or glue is used, DO NOT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

USPS TRACKING # : 9405 5036 9930 0136 5378 82	
Trans. #: 554077318 Print Date: 01/14/2022 Ship Date: 01/14/2022 Expected Delivery Date: 01/18/2022	Priority Mail® Postage: \$8.95 Total: \$8.95
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: LINA FRAZER ZONING ENFORCEMENT OFFICER 40 PECK RD BETHANY CT 06524-3322	
Ref#: CR-841295	
* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.	



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

 Click-N-Ship®	
P	usps.com US POSTAGE Flat Rate Env 01/14/2022 Mailed from 01566
PRIORITY MAIL 1-DAY™	
DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	Expected Delivery Date: 01/15/22 Ref#: CR-841295 0006
SHIP TO: SARAH SNELL 1800 W PARK DR WESTBOROUGH MA 01581-3926	
USPS TRACKING #  9405 5036 9930 0136 5379 05	
Electronic Rate Approved #038555749	



Cut on dotted line.

Instructions

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

Click-N-Ship® Label Record

USPS TRACKING # : 9405 5036 9930 0136 5379 05	
Trans. #: 554077318 Print Date: 01/14/2022 Ship Date: 01/14/2022 Expected Delivery Date: 01/15/2022	Priority Mail® Postage: \$8.95 Total: \$8.95
From: DEBORAH CHASE NORTHEAST SITE SOLUTIONS 420 MAIN ST STE 1 STURBRIDGE MA 01566-1359	
To: SARAH SNELL 1800 W PARK DR WESTBOROUGH MA 01581-3926	
Ref#: CR-841295	
* Retail Pricing Priority Mail rates apply. There is no fee for USPS Tracking® service on Priority Mail service with use of this electronic rate shipping label. Refunds for unused postage paid labels can be requested online 30 days from the print date.	



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

841295



UNITED STATES POSTAL SERVICE

GREENDALE
290 W BOYLSTON ST
WORCESTER, MA 01606-2378
(800)275-8777

01/14/2022

03:28 PM

Product	Qty	Unit Price	Price
Prepaid Mail	1		\$0.00

Bethany, CT 06524
Weight: 0 lb 11.20 oz

Acceptance Date:
Fri 01/14/2022

Tracking #:
9405 5036 9930 0136 5378 82

Prepaid Mail	1		\$0.00
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Bethany, CT 06524
Weight: 0 lb 11.20 oz

Acceptance Date:
Fri 01/14/2022

Tracking #:
9405 5036 9930 0136 5378 75

Prepaid Mail	1		\$0.00
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Westborough, MA 01581
Weight: 0 lb 1.90 oz

Acceptance Date:
Fri 01/14/2022

Tracking #:
9405 5036 9930 0136 5379 05

Grand Total:

\$0.00